PLANNING AND ZONING CASE CHECKLIST

PLANNING AND ZONING DEPARTMENT
385 S. GOLIAD STREET
ROCKWALL, TX 75087

P&Z CASE # SP2022-047 P&Z DATE 09.13.2022 CC DATE _____ Approved/Denied

ARCHITECTURAL REVIEW BOARD DATE_____ HPAB DATE_____PARK BOARD DATE_____

Zoning Application
- ☐ Specific Use Permit
- ☐ Zoning Change
- ☐ PD Concept Plan
- ☐ PD Development Plan

Site Plan Application
- ☑ Site Plan
- ☑ Landscape Plan
- ☑ Treescape Plan
- ☑ Photometric Plan
- ☑ Building Elevations
- ☐ Material Samples
- ☐ Color Rendering

Platting Application
- ☐ Master Plat
- ☐ Preliminary Plat
- ☐ Final Plat
- ☐ Replat
- ☐ Administrative/Minor Plat
- ☐ Vacation Plat
- ☐ Landscape Plan
- ☐ Treescape Plan

HPAB Application
- ☐ Exhibit

Miscellaneous Application
- ☐ Variance/Exception Request
- ☐ Copy of Ordinance (ORD#_____)
- ☐ Applications
- ☐ Receipt
- ☑ Location Map
- ☐ HOA Map
- ☐ PON Map
- ☐ FLU Map
- ☐ Newspaper Public Notice
- ☐ 500-foot Buffer Public Notice
- ☐ Project Review
- ☐ Staff Report
- ☐ Correspondence
- ☐ Copy-all Plans Required
- ☐ Copy-Mark-Ups
- ☐ City Council Minutes – Laserfiche
- ☐ Minutes-Laserfiche
- ☐ Plat Filled Date_____
  - ☐ Cabinet #_____
  - ☐ Slide #_____

Notes:_____
_____
_____
_____
_____
_____
_____

Zoning Map Updated_____

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	1480 Justin Road				
SUBDIVISION	Indalloy Addition	LOT	2	BLOCK	1
GENERAL LOCATION	Approx. 700 feet south of E. Washington St. and 450 feet west of Airport Rd.				

ZONING, SITE PLAN AND PLATTING INFORMATION [PLEASE PRINT]

CURRENT ZONING	Light Industrial (LI)	CURRENT USE	Unoccupied Industrial Building		
PROPOSED ZONING	No Change	PROPOSED USE	Industrial Distribution Center		
ACREAGE	43.0	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 U.S., Inc.	☐ APPLICANT	Westwood Professional Services
CONTACT PERSON	Carolina Molina	CONTACT PERSON	Arlyn Samuelson
ADDRESS	1480 Justin Road	ADDRESS	2901 Dallas Parkway, Suite 400
CITY, STATE & ZIP	Rockwall, Texas 75087	CITY, STATE & ZIP	Plano, Texas 75093
PHONE	469-402-1232	PHONE	972-265-4860
E-MAIL	cmolina@sprpackaging.com	E-MAIL	asamuelson@westwoodps.com

NOTARY VERIFICATION [REQUIRED]

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

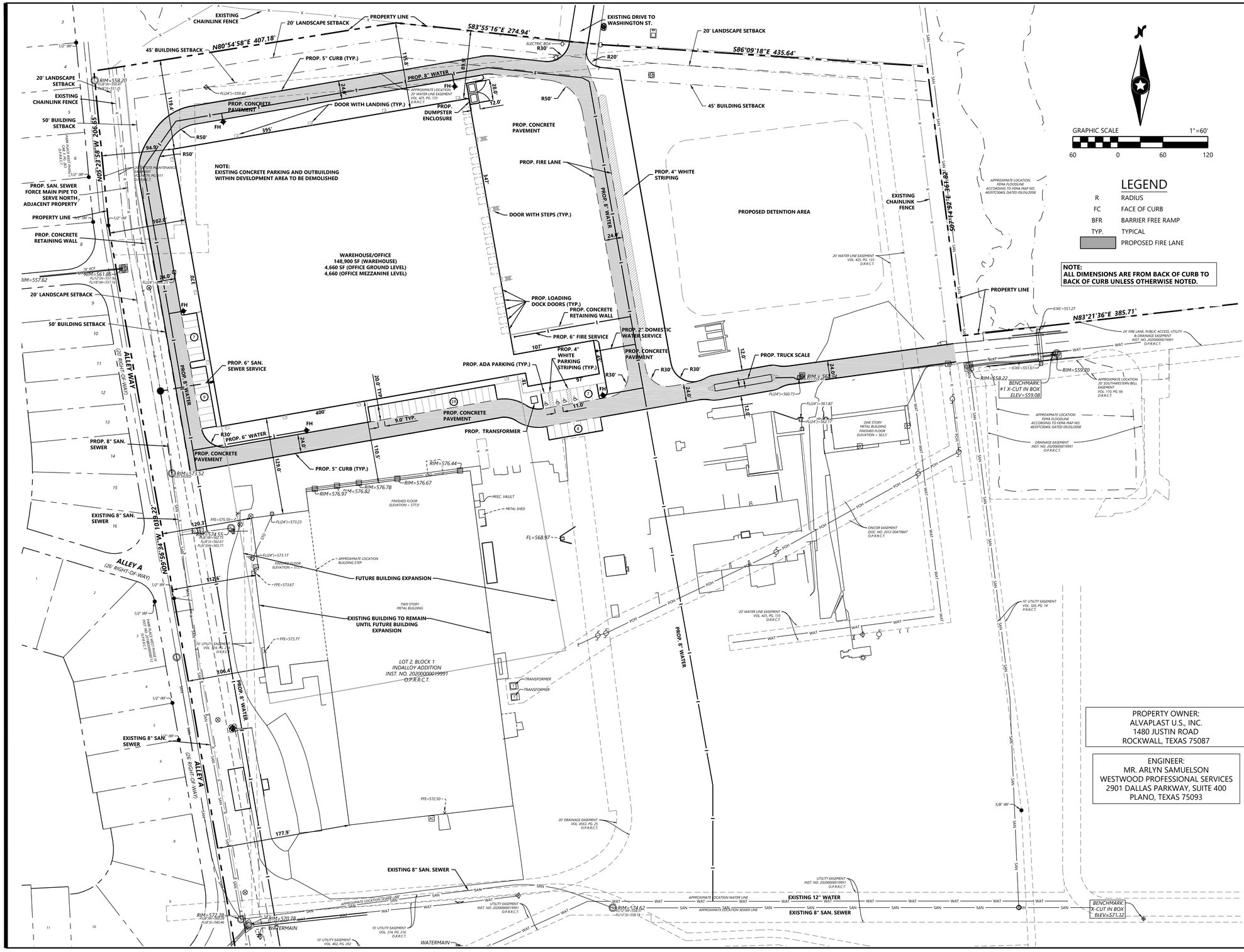
"I HEREBY CERTIFY THAT I AM THE OWNER FOR THE PURPOSE OF THIS APPLICATION; ALL INFORMATION SUBMITTED HEREIN IS TRUE AND CORRECT; AND THE APPLICATION FEE OF $_____, TO COVER THE COST OF THIS APPLICATION, HAS BEEN PAID TO THE CITY OF ROCKWALL ON THIS THE _____ DAY OF _____, 20___. BY SIGNING THIS APPLICATION, 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 _____ DAY OF _____, 20____.

OWNER'S SIGNATURE

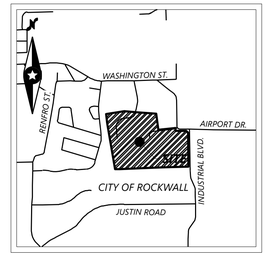
NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

MY COMMISSION EXPIRES



VICINITY MAP

(NOT TO SCALE)



LEGEND

R	RADIUS
FC	FACE OF CURB
BFR	BARRIER FREE RAMP
TYP.	TYPICAL
	PROPOSED FIRE LANE

NOTE:
ALL DIMENSIONS ARE FROM BACK OF CURB TO BACK OF CURB UNLESS OTHERWISE NOTED.

PARKING

THE MINIMUM PARKING REQUIRED FOR A WAREHOUSE DISTRIBUTION CENTER IS TO BE "AS DETERMINED BY THE DIRECTOR" (PER CITY OF ROCKWALL UNIFIED DEVELOPMENT CODE, ARTICLE 06 "PARKING AND LOADING," TABLE 5 "PARKING REQUIREMENT SCHEDULE," UNDER THE CATEGORY "INDUSTRIAL AND MANUFACTURING LAND USES").

PARKING COUNTS

NUMBER OF EMPLOYEES IN 1ST SHIFT: 25

NUMBER OF EMPLOYEES IN 2ND SHIFT: 20

NUMBER OF DAILY VISITORS: 03

TOTAL PARKING SPACES NEEDED = 48

TOTAL PARKING SPACES PROVIDED = 50

ACCESSIBLE PARKING

PER CITY OF ROCKWALL UNIFIED DEVELOPMENT CODE, ARTICLE 06 "PARKING AND LOADING," SECTION 05.04 "HANDICAPPED PARKING":

TOTAL REQUIRED PARKING IN LOT:	REQUIRED NUMBER OF HANDICAPPED SPACES:
51-75	3
76-100	4

THIS PROJECT PROVIDES 4 ACCESSIBLE PARKING SPACES, WITHIN A TOTAL OF 50 PARKING SPACES PROVIDED.

SITE DATA SUMMARY TABLE

ITEM	LOT 1, BLOCK A
GENERAL SITE DATA	
ZONING (FROM ZONING MAP)	LIGHT INDUSTRIAL (LI)
LAND USE	WAREHOUSE W/OFFICE
LOT AREA (SQUARE FEET)	1,873,685
LOT AREA (ACRES)	43.0139
BUILDING FOOTPRINT AREA (SF) - PROPOSED	153,560
BUILDING HEIGHT (#STORIES)	1
BUILDING HEIGHT (FT-DIST TO TALLEST ELEMENT)	50'-4"
LOT COVERAGE (%)	8.20%
FLOOR AREA RATIO (XX:1)	0.08

PROPERTY OWNER:
ALVAPLAST U.S., INC.
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

ENGINEER:
MR. ARLYN SAMUELSON
WESTWOOD PROFESSIONAL SERVICES
2901 DALLAS PARKWAY, SUITE 400
PLANO, TEXAS 75093

SITE PLAN SIGNATURE BLOCK

APPROVED:
I HEREBY CERTIFY THAT THE ABOVE AND FOREGOING SITE PLAN FOR A DEVELOPMENT IN THE CITY OF ROCKWELL, TEXAS, WAS APPROVED BY THE PLANNING & ZONING COMMISSION OF THE CITY OF ROCKWALL ON _____

WITNESS OUR HANDS, _____

PLANNING & ZONING COMMISSION, CHAIRMAN **DIRECTOR OF PLANNING AND ZONING**

SITE PLAN
SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # XXXXX
SUBMITTED AUGUST 19, 2022

SPR DISTRIBUTION CENTER

DESIGNED:
CHECKED:
DRAWN:
HORIZONTAL SCALE:
VERTICAL SCALE:

INITIAL ISSUE: XX/XX/XX
REVISIONS:

PREPARED FOR:

SPR PACKAGING
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

PRELIMINARY
FOR INTERIM REVIEW ONLY
NOT TO BE USED FOR:
CONSTRUCTION OR
BIDDING PURPOSES.
Engineer: ARLYN W SAMUELSON PE
P.E. No.: 95877
Date: 08/19/2022
Westwood

SPR DISTRIBUTION CENTER
ROCKWALL, TEXAS

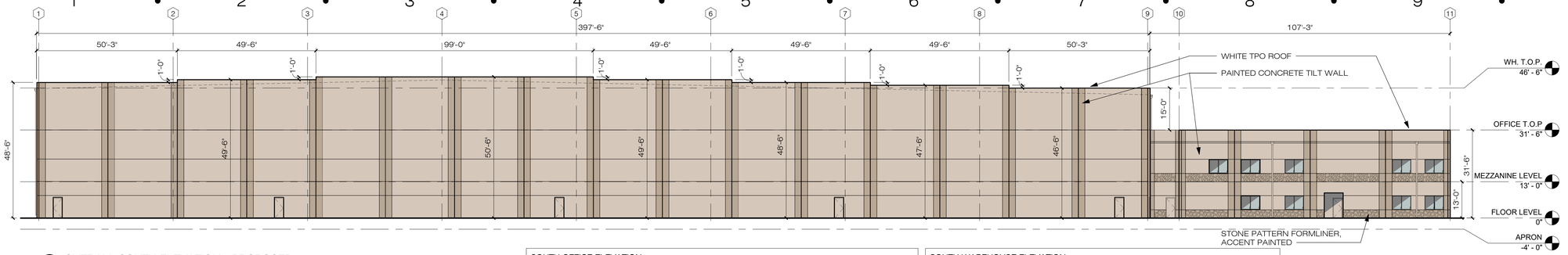
Westwood
Phone (214) 473-4640 2901 Dallas Parkway, Suite 400
Toll Free (888) 937-5150 Plano, TX 75093
westwoodps.com
Westwood Professional Services, Inc.
TBPE FIRM REGISTRATION NO. F-11756
TBPLS FIRM REGISTRATION NO. 10074301

SITE PLAN

PROJECT NUMBER: 0036677.00

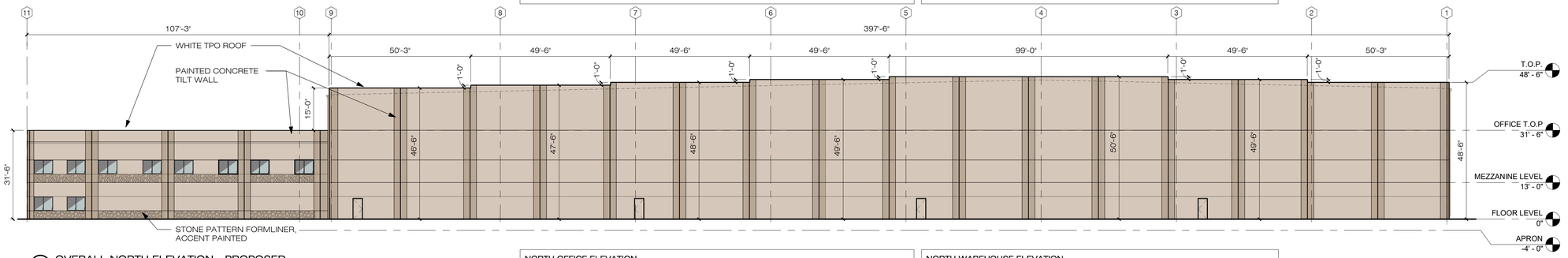
SHEET NUMBER: 1.00

DATE: 08/19/22



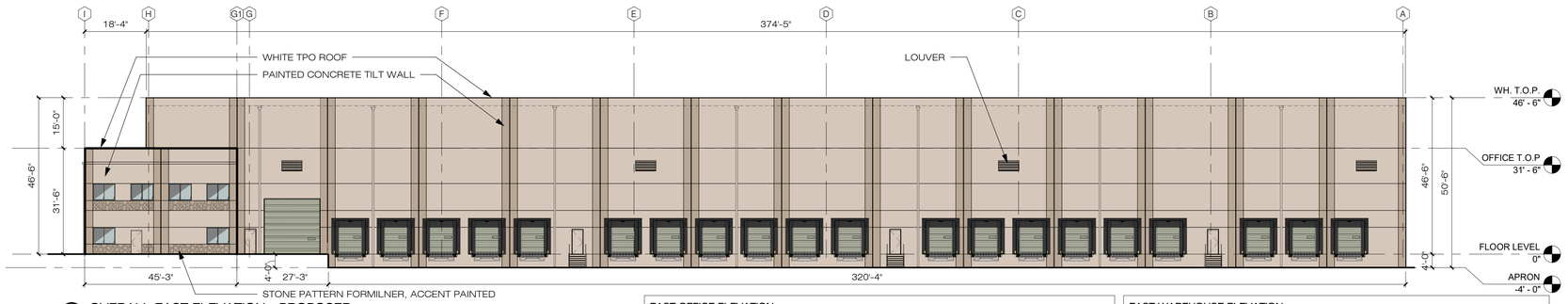
1B OVERALL SOUTH ELEVATION - PROPOSED
1" = 20'-0"

SOUTH OFFICE ELEVATION	SOUTH WAREHOUSE ELEVATION
74 % PAINTED CONCRETE TILT WALL WITH REVEALS 15 % STONE PATTERN FORMLINER, ACCENT PAINTED 11 % CLEAR ANODIZED ALUMINUM FRAMED WINDOWS AND PAINTED HOLLOW METAL DOORS	98 % PAINTED CONCRETE TILT WALL WITH REVEALS 2 % PAINTED HOLLOW METAL DOORS



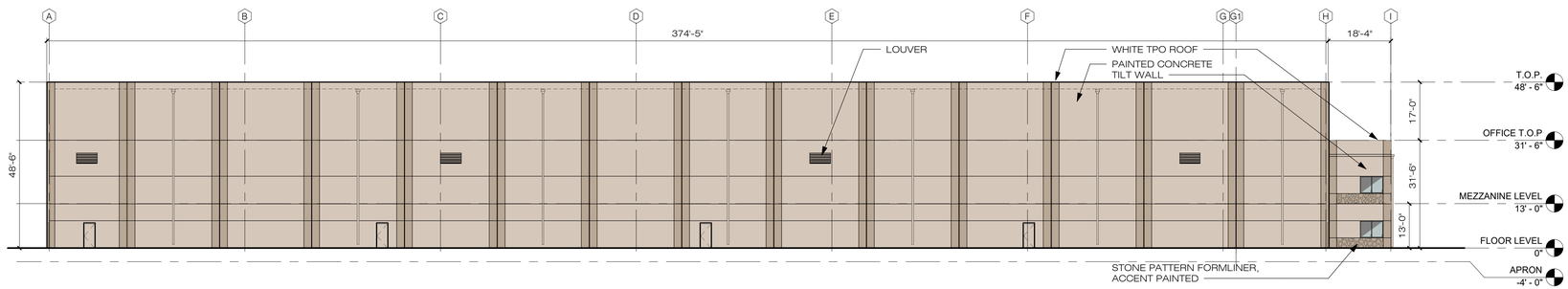
1D OVERALL NORTH ELEVATION - PROPOSED
1" = 20'-0"

NORTH OFFICE ELEVATION	NORTH WAREHOUSE ELEVATION
75 % PAINTED CONCRETE TILT WALL WITH REVEALS 15 % STONE PATTERN FORMLINER, ACCENT PAINTED 10 % CLEAR ANODIZED ALUMINUM FRAMED WINDOWS	98 % PAINTED CONCRETE TILT WALL WITH REVEALS 2 % PAINTED HOLLOW METAL DOORS



1F OVERALL EAST ELEVATION - PROPOSED
1" = 20'-0"

EAST OFFICE ELEVATION	EAST WAREHOUSE ELEVATION
68 % PAINTED CONCRETE TILT WALL WITH REVEALS 15 % STONE PATTERN FORMLINER, ACCENT PAINTED 17 % CLEAR ANODIZED ALUMINUM FRAMED WINDOWS AND PAINTED HOLLOW METAL DOORS	80 % PAINTED CONCRETE TILT WALL WITH REVEALS 20 % LOUVERS AND PAINTED HOLLOW METAL DOORS AND FACTORY FINISHED SECTIONAL DOORS



1J OVERALL WEST ELEVATION - PROPOSED
1" = 20'-0"

WEST OFFICE ELEVATION	WEST WAREHOUSE ELEVATION
73 % PAINTED CONCRETE TILT WALL WITH REVEALS 15 % STONE PATTERN FORMLINER, ACCENT PAINTED 12 % CLEAR ANODIZED ALUMINUM FRAMED WINDOWS	96 % PAINTED CONCRETE TILT WALL WITH REVEALS 4 % LOUVERS AND PAINTED HOLLOW METAL DOORS

EXTERIOR PAINT LEGEND	
	EXTERIOR PAINT 1 - SW 9085 TOUCH OF SAND
	EXTERIOR PAINT 2 - SW 9087 SMOKY BEIGE

SIGNATURE BLOCK

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 _____, 2022.

WITNESS OUR HANDS, THIS _____ DAY OF _____, 2022.

_____
PLANNING & ZONING COMMISSION, CHAIRMAN

_____
DIRECTOR OF PLANNING AND ZONING

DESIGN BUILDER:
HILL & WILKINSON
2703 TELECOM PARKWAY, SUITE 120
RICHARDSON, TEXAS 75082
214-299-4300

ARCHITECT:
MJDII ARCHITECTS, INC.
16775 ADDISON ROAD, SUITE 310
ADDISON, TEXAS 75001
972-866-8600

OWNER:
SPR PACKAGING, LLC.
1480 JUSTIN RD.
ROCKWALL, TEXAS 75087
469-314-1600

SPR DISTRIBUTION CENTER:
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS

CASE NO. _____

SUBMITED 19 AUGUST 2022

MJDII Architects, Inc.
Architecture · Planning · Consulting
16775 Addison Road, Suite 310 Tel: (972) 866-8600
Addison, Texas 75001 Fax: (972) 866-8601

HILL & WILKINSON GENERAL CONTRACTORS
DESIGN BUILDER
2703 TELECOM PARKWAY, SUITE 120
RICHARDSON, TEXAS 75082
214-299-4300

shaping the built environment
STRUCTURAL ENGINEERING
100 GLASS STREET
DALLAS, TEXAS 75207
214-752-9098

Westwood
PARKWAY CENTRE 1
2901 DALLAS PARKWAY, SUITE 400
PLANO, TEXAS 75093
214-473-4640

COOPER DESIGN WORKS
LANDSCAPE ARCHITECTURE · PLANNING · URBAN DESIGN
PO BOX 492 ROCKWALL TEXAS 75087 P 972.412.9519
cooperdesignworks.com

PILLAR ELECTRIC GROUP
2703 TELECOM PARKWAY, SUITE 100
RICHARDSON, TEXAS 75082
469-277-4960

#	DESCRIPTION	DATE

Seal:

ARCHITECT: JACK A. ROMIGH, AIA
TEXAS REGISTRATION: #11685
DATE: 19 AUGUST 2022

THESE DOCUMENTS ARE PRELIMINARY AND NOT TO BE USED FOR REGULATORY APPROVAL, PERMITTING,OR CONSTRUCTION.

THE TEXAS BOARD OF ARCHITECTURAL EXAMINERS HAS JURISDICTION OVER COMPLAINTS REGARDING THE PROFESSIONAL PRACTICES OF PERSONS REGISTERED AS ARCHITECTS IN TEXAS. THE BOARD'S CURRENT ADDRESS, PHONE NUMBER AND WEBSITE ARE: www.tbae.state.tx.us PO BOX 12337 AUSTIN, TX 78711-2337 (512) 305-9000

SPR
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087
SPR DISTRIBUTION CENTER

Drawn By:	
Project Number:	22-0013-00
Date:	19 AUGUST 2022
Issue:	CITY SITE PLAN SUBMITTAL
Approved By:	

Sheet Number:

A3.00

OVERALL EXTERIOR ELEVATIONS-PROPOSED

existing mature cedar trees to remain

existing chain link fence

existing native trees

existing cedar trees

existing Live Oaks 50020 - 50052

existing Live Oaks 50001 - 50019

bermuda hydromulch and irrigation

APPROXIMATE LOCATION 20' WATER LINE EASEMENT VOL. 425, PG. 133 D.R.R.C.T.

existing trees to be removed

PROP FF=579.50

ELECTRIC BOX

S83°55'16"E 274.94'

N05°23'58"W 96.59'

PARK PLACE WEST PHASE II CAB. F PG. 263 O.P.R.R.C.T.

OFFSITE MASONRY SCREEN WALL VOL. 477 PG. 171 O.P.R.R.C.T.

RETAINING WALL

ALLEY (20' RIGHT-O-WAY)

18" RCP

A 1"= 30'-0" NORTH

Landscape Plan plan

DE 6

DE 4

CO 5

EC 7

BO 5

SITE PLAN SIGNATURE BLOCK
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 _____

WITNESS OUR HANDS, _____

PLANNING & ZONING COMMISSION, CHAIRMAN DIRECTOR OF PLANNING AND ZONING

PROPERTY OWNER:
ALVAPLAST U.S., INC.
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

LANDSCAPE ARCHITECT:
JIM COOPER
COOPER DESIGN WORKS
PO BOX 492
ROCKWALL, TEXAS 75087

SITE PLAN
SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # XXXXX
SUBMITTED AUGUST 19, 2022

MJDII Architects, Inc.
Architecture • Planning • Consulting
16775 Addison Road, Suite 310 Tel: (972) 866-8600
Addison, Texas 75001 Fax: (972) 866-8601

HILL & WILKINSON GENERAL CONTRACTORS
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RICHARDSON, TEXAS 75082
214-299-4300

JQ shaping the built environment
STRUCTURAL ENGINEERING
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214-752-9098

Westwood
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cooperdesignworks.com

PILLAR ELECTRIC GROUP
2703 TELECOM PARKWAY, SUITE 100
RICHARDSON, TEXAS 75082
469-277-4860

#	DESCRIPTION	DATE

Seal:
These documents are for municipal review and not for construction.
James A Cooper RLA 1287
19 August 2022

SPR
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087
SPR DISTRIBUTION CENTER

Drawn By:	CDW
Project Number:	22-0013-00
Date:	19 AUGUST 2022
Issue:	CITY SITE PLAN SUBMITTAL
Approved By:	CDW

Sheet Number:

L1.01

Landscape Plan

PLANT SCHEDULE

Large Shade And Evergreen Trees

	SYM	QTY	COMMON NAME	SCIENTIFIC NAME	SIZE & CONDITION AT PLANTING
	LO	6	Live Oak	Quercus virginiana	3" Caliper12'-14' Ht./ 4'-5' spread, container grown straight trunk.
	DE	6	Drake Elm	Ulmus parvifolia 'Drake"	4" Caliper 12'-14' Ht./ 5'-6' spread, container grown straight trunk.
	CO	5	Chinquapin Oak	Ulmus crassifolia	4" Caliper 12'-14' Ht./ 5'-6' spread, container grown straight trunk.
	EC	7	Easter Red Cedar	Juniperis virginiana	4" Caliper 10'-12' Ht./ 5'-6' spread, full to ground.

Shrubs and Groundcovers

	SYM	QTY	COMMON NAME	SCIENTIFIC NAME	SIZE & CONDITION AT PLANTING
			Bermuda Hydromulch	Cynadon dactylon	Fine grade prior to installation

Landscape Calculations:

Parking Lot Landscaping

Parking Area (Double Row): 4958 SF

Interior Landscape Area Required 5%: 249 SF

Interior Landscape Area Provided: 250 SF

No parking space is more than 80' from a tree.

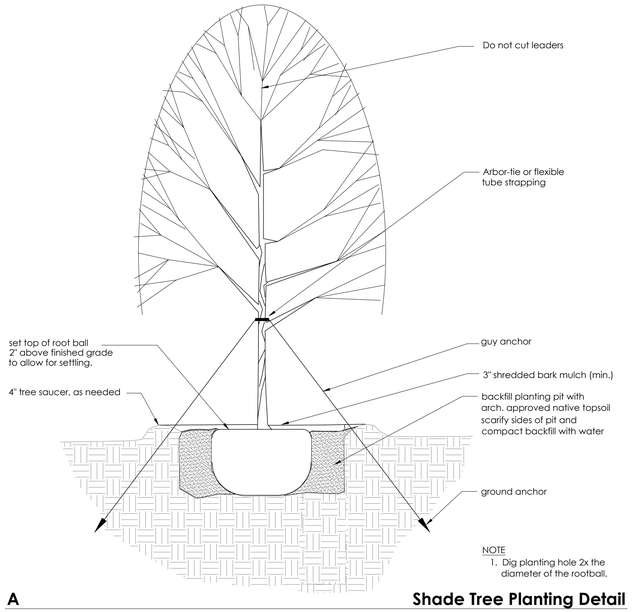
Abutting Residential Buffer:

Landscape buffer abutting residential development is existing.

Landscape Notes:

An automatic irrigation system will be provided comply with the irrigation code of Chapter 10, Buildings and Building Regulations, Article XVI, Irrigation Code, of the City of Rockwall Code of Ordinances, and all applicable state laws, as may be amended.

SITE DATA SUMMARY TABLE	
ITEM	LOT 1, BLOCK A
GENERAL SITE DATA	
ZONING (FROM ZONING MAP)	LIGHT INDUSTRIAL (LI)
LAND USE	WAREHOUSE W/OFFICE
LOT AREA (SQUARE FEET)	1,873,695
LOT AREA (ACRES)	43.0139
BUILDING FOOTPRINT AREA (SF) - PROPOSED	153,560
BUILDING HEIGHT (#/STORIES)	1
BUILDING HEIGHT (FT-DIST TO TALLEST ELEMENT)	50'-4"
LOT COVERAGE (%)	8.20%
FLOOR AREA RATIO (X.XX:1)	0.08



A **Shade Tree Planting Detail**

NTS

PROPERTY OWNER:
ALVAPLAST U.S., INC.
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

LANDSCAPE ARCHITECT:
JIM COOPER
COOPER DESIGN WORKS
PO BOX 492
ROCKWALL, TEXAS 75087

SITE PLAN SIGNATURE BLOCK
APPROVED:
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WITNESS OUR HANDS, _____

PLANNING & ZONING COMMISSION, CHAIRMAN **DIRECTOR OF PLANNING AND ZONING**

SITE PLAN
SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # XXXXX
SUBMITTED AUGUST 19, 2022

MJDII Architects, Inc.
Architecture • Planning • Consulting
16775 Addison Road, Suite 310 Tel: (972) 866-8600
Addison, Texas 75001 Fax: (972) 866-8601

HILL & WILKINSON GENERAL CONTRACTORS
DESIGN BUILDER
2703 TELECOM PARKWAY, SUITE 120
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JQ shaping the built environment
STRUCTURAL ENGINEERING
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PILLAR ELECTRIC GROUP
2703 TELECOM PARKWAY, SUITE 100
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469-277-4860

#	DESCRIPTION	DATE

Seal:
These documents are for municipal review and not for construction.
James A Cooper RLA 1287
19 August 2022

SPR
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087
SPR DISTRIBUTION CENTER

Drawn By:	CDW
Project Number:	22-0013-00
Date:	19 AUGUST 2022
Issue:	CITY SITE PLAN SUBMITTAL
Approved By:	CDW

Sheet Number:

L1.02

Landscape Plan

existing mature cedar trees to remain

existing chain link fence

existing cedar trees

existing native trees

existing mature cedar trees to remain

existing cedar trees

existing chain link fence

existing trees to be removed

APPROXIMATE LOCATION 20' WATER LINE EASEMENT VOL. 425, PG. 133 D.R.R.C.T.

PROP FF=579.50

existing tree to be preserved
tree number ref. tree preservation plan sheet L 1.04

existing tree to be removed

existing cedar trees

existing mature cedar trees to remain

A Treescape Plan
1"= 30'-0"
NORTH
plan

SITE PLAN SIGNATURE BLOCK
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 ____

WITNESS OUR HANDS, ____

PLANNING & ZONING COMMISSION, CHAIRMAN DIRECTOR OF PLANNING AND ZONING

PROPERTY OWNER:
ALVAPLAST U.S., INC.
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

LANDSCAPE ARCHITECT:
JIM COOPER
COOPER DESIGN WORKS
PO BOX 492
ROCKWALL, TEXAS 75087

SITE PLAN
SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # XXXXX
SUBMITTED AUGUST 19, 2022

MJDII Architects, Inc.
Architecture • Planning • Consulting
16775 Addison Road, Suite 310 Tel: (972) 866-8600
Addison, Texas 75001 Fax: (972) 866-8601

HILL & WILKINSON GENERAL CONTRACTORS
DESIGN BUILDER
2703 TELECOM PARKWAY, SUITE 120
RICHARDSON, TEXAS 75082
214-299-4300

JQ shaping the built environment
STRUCTURAL ENGINEERING
100 GLASS STREET
DALLAS, TEXAS 75207
214-752-9098

Westwood
PARKWAY CENTRE 1
2901 DALLAS PARKWAY, SUITE 400
PLANO, TEXAS 75093
214-473-4640

COOPER DESIGN WORKS
LANDSCAPE ARCHITECTURE · PLANNING · URBAN DESIGN
PO BOX 492 ROCKWALL TEXAS 75087 P 972.412.9519
cooperdesignworks.com

PILLAR ELECTRIC GROUP
2703 TELECOM PARKWAY, SUITE 100
RICHARDSON, TEXAS 75082
469-277-4860

#	DESCRIPTION	DATE

Seal:
These documents are for municipal review and not for construction.
James A Cooper RLA 1287
19 August 2022

SPR
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087
SPR DISTRIBUTION CENTER

Drawn By:	CDW
Project Number:	22-0013-00
Date:	19 AUGUST 2022
Issue:	CITY SITE PLAN SUBMITTAL
Approved By:	CDW

Sheet Number:

L1.03

Treescape Plan

Tree Preservation Table

Tree Number	Common Name	DBH Inches	Status	Feature Tree	Mitigation Required	Mitigation Inches
42220	Live Oak	26	Remove	Yes	Yes	52
42201	Crape Myrtle	12	Remove	No	Yes	12
42202	Crape Myrtle	16	Remove	No	Yes	16
42203	Live Oak	30	Remove	Yes	Yes	60
42204	Crape Myrtle	12	Remove	No	Yes	12
42205	Crape Myrtle	12	Remove	No	Yes	12
42206	Live Oak	26	Remove	Yes	Yes	52
42207	Live Oak	30	Remove	Yes	Yes	60
42269	Willow	18	Preserve	No	No	
42270	Cedar	6	Preserve	No	No	
42271	Elm	20	Preserve	No	No	
42272	Elm	20	Preserve	No	No	
42273	Unknown	10	Preserve	No	No	
42274	Hackberry	12	Preserve	No	No	
42275	Elm	11	Preserve	No	No	
42276	Elm	30	Preserve	No	No	
42277	Elm	13	Preserve	No	No	
42278	Elm	15	Preserve	No	No	
42279	Elm	20	Preserve	No	No	
42280	Elm	20	Preserve	No	No	
42281	Elm	6	Preserve	No	No	
42282	Cedar	4	Preserve	No	No	
42283	Cedar	14	Preserve	No	No	
42284	Cedar	6	Preserve	No	No	
42285	Cedar	12	Preserve	No	No	
42286	Elm	10	Preserve	No	No	
42287	Elm	9	Preserve	No	No	
42288	Elm	18	Preserve	No	No	
42289	Hackberry	8	Preserve	No	No	
42290	Cedar	12	Preserve	No	No	
42291	Elm	11	Preserve	No	No	
42292	Elm	4	Preserve	No	No	
42293	Elm	9	Preserve	No	No	
42294	Elm	9	Preserve	No	No	
42295	Hackberry	15	Preserve	No	No	
42296	Elm	6	Preserve	No	No	
42297	Cedar	6	Preserve	No	No	
42298	Cedar	6	Preserve	No	No	
42299	Elm	10	Preserve	No	No	
42300	Elm	8	Preserve	No	No	
42301	Elm	8	Preserve	No	No	
42302	Elm	4	Preserve	No	No	
42303	Elm	9	Preserve	No	No	
42304	Elm	4	Preserve	No	No	
42305	Elm	9	Preserve	No	No	
42306	Elm	16	Preserve	No	No	
42307	Elm	4	Preserve	No	No	
42308	Elm	15	Preserve	No	No	
42309	Elm	12	Preserve	No	No	
42310	Elm	4	Preserve	No	No	
42311	Elm	6	Preserve	No	No	
42312	Elm	6	Preserve	No	No	
42313	Elm	4	Preserve	No	No	
42314	Elm	9	Preserve	No	No	
42315	Elm	9	Preserve	No	No	
42316	Elm	16	Preserve	No	No	
42317	Elm	16	Preserve	No	No	
42318	Cedar	6	Preserve	No	No	
42319	Cedar	4	Preserve	No	No	
42320	Cedar	6	Preserve	No	No	
42321	Cedar	10	Preserve	No	No	
42437	Bois d'arc	24	Preserve	No	No	

Tree Number	Common Name	DBH Inches	Status	Feature Tree	Mitigation Required	Mitigation Inches
50001	Live Oak	4-5"	Preserve	No	No	
50002	Live Oak	4-5"	Preserve	No	No	
50003	Live Oak	4-5"	Preserve	No	No	
50004	Live Oak	4-5"	Preserve	No	No	
50005	Live Oak	4-5"	Preserve	No	No	
50006	Live Oak	4-5"	Preserve	No	No	
50007	Live Oak	4-5"	Preserve	No	No	
50008	Live Oak	4-5"	Preserve	No	No	
50009	Live Oak	4-5"	Preserve	No	No	
50010	Live Oak	4-5"	Preserve	No	No	
50012	Live Oak	4-5"	Preserve	No	No	
50013	Live Oak	4-5"	Preserve	No	No	
50014	Live Oak	4-5"	Preserve	No	No	
50015	Live Oak	4-5"	Preserve	No	No	
50016	Live Oak	4-5"	Preserve	No	No	
50017	Live Oak	4-5"	Preserve	No	No	
50018	Live Oak	4-5"	Preserve	No	No	
50019	Live Oak	4-5"	Preserve	No	No	
50020	Live Oak	4-5"	Preserve	No	No	
50022	Live Oak	4-5"	Preserve	No	No	
50023	Live Oak	4-5"	Preserve	No	No	
50024	Live Oak	4-5"	Preserve	No	No	
50025	Live Oak	4-5"	Preserve	No	No	
50026	Live Oak	4-5"	Preserve	No	No	
50027	Live Oak	4-5"	Preserve	No	No	
50028	Live Oak	4-5"	Preserve	No	No	
50029	Live Oak	4-5"	Preserve	No	No	
50030	Live Oak	4-5"	Preserve	No	No	
50031	Live Oak	4-5"	Preserve	No	No	
50032	Live Oak	4-5"	Preserve	No	No	
50033	Live Oak	4-5"	Preserve	No	No	
50034	Live Oak	4-5"	Preserve	No	No	
50035	Live Oak	4-5"	Preserve	No	No	
50036	Live Oak	4-5"	Preserve	No	No	
50037	Live Oak	4-5"	Preserve	No	No	
50038	Live Oak	4-5"	Preserve	No	No	
50039	Live Oak	4-5"	Preserve	No	No	
50040	Live Oak	4-5"	Preserve	No	No	
50042	Live Oak	4-5"	Preserve	No	No	
50043	Live Oak	4-5"	Preserve	No	No	
50044	Live Oak	4-5"	Preserve	No	No	
50045	Live Oak	4-5"	Preserve	No	No	
50046	Live Oak	4-5"	Preserve	No	No	
50047	Live Oak	4-5"	Preserve	No	No	
50048	Live Oak	4-5"	Preserve	No	No	
50049	Live Oak	4-5"	Preserve	No	No	
50050	Live Oak	4-5"	Preserve	No	No	
50051	Live Oak	4-5"	Preserve	No	No	
50052	Live Oak	4-5"	Preserve	No	No	
50053	Live Oak	4-5"	Preserve	No	No	
50054	Live Oak	4-5"	Preserve	No	No	
50055	Live Oak	4-5"	Preserve	No	No	
50056	Live Oak	4-5"	Preserve	No	No	
50057	Live Oak	4-5"	Preserve	No	No	
50058	Live Oak	4-5"	Preserve	No	No	
50059	Live Oak	4-5"	Preserve	No	No	
50060	Live Oak	4-5"	Preserve	No	No	
50061	Live Oak	4-5"	Preserve	No	No	
50062	Live Oak	4-5"	Preserve	No	No	
50063	Live Oak	4-5"	Preserve	No	No	
50064	Live Oak	4-5"	Preserve	No	No	
50065	Live Oak	4-5"	Preserve	No	No	
50066	Live Oak	4-5"	Preserve	No	No	
50067	Live Oak	4-5"	Preserve	No	No	
50068	Live Oak	4-5"	Preserve	No	No	

Total Mitigation Inches = 276

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LOT 2, BLOCK 1
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ROCKWALL COUNTY, TEXAS
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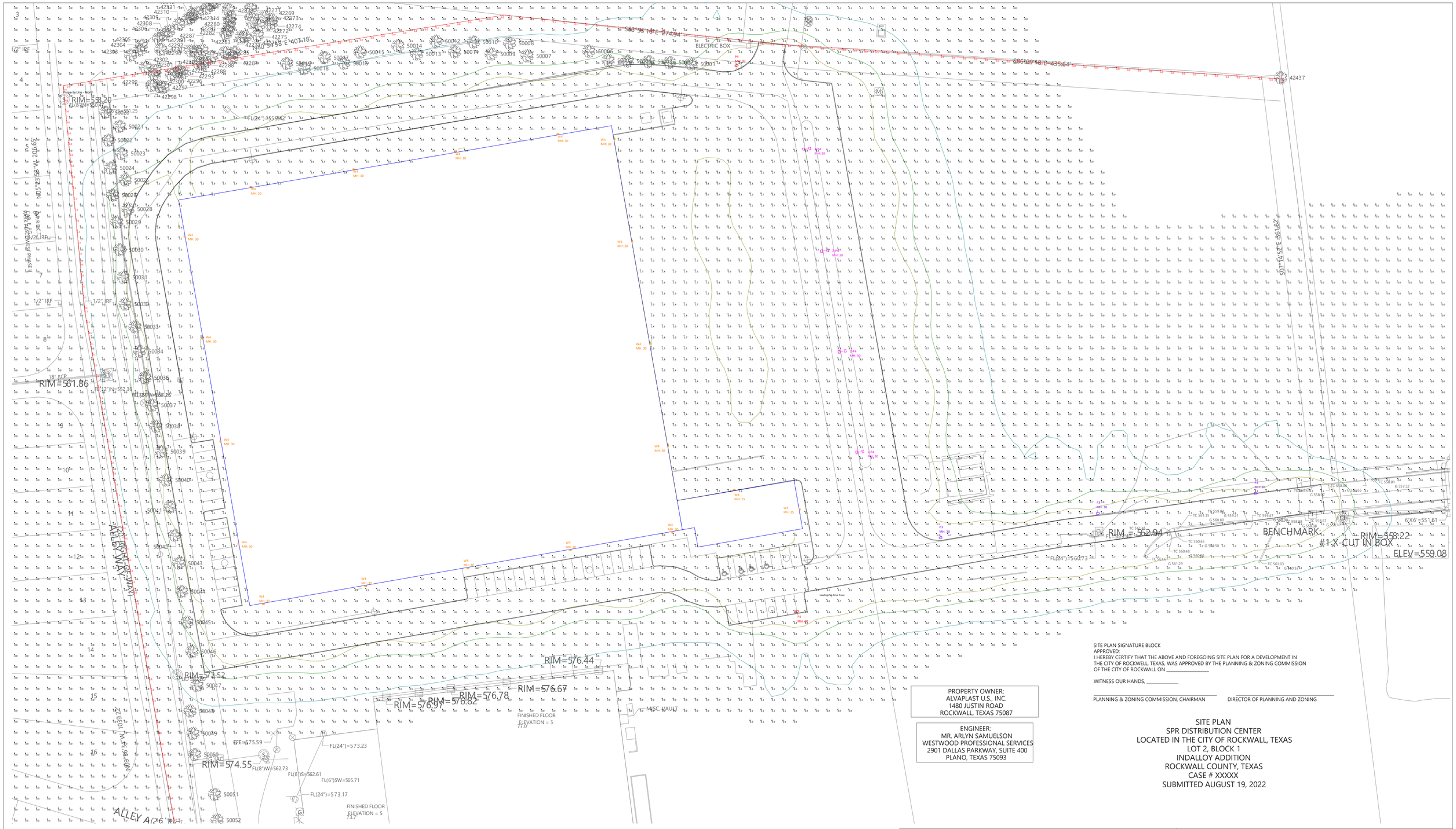
SPR
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087
SPR DISTRIBUTION CENTER

Drawn By:	CDW
Project Number:	22-0013-00
Date:	19 AUGUST 2022
Issue:	CITY SITE PLAN SUBMITTAL
Approved By:	CDW

Sheet Number:

L1.04

Treescape Details



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_____ DIRECTOR OF PLANNING AND ZONING

PROPERTY OWNER:
ALVAPLAST U.S., INC.
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

ENGINEER:
MR. ARLYN SAMUELSON
WESTWOOD PROFESSIONAL SERVICES
2901 DALLAS PARKWAY, SUITE 400
PLANO, TEXAS 75093

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SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # XXXXX
SUBMITTED AUGUST 19, 2022

Project Name: SPR Warehouse Site	Project # :
Client:	Date:8/19/2022
Drawn By: JOw, LC	Version: REV 2

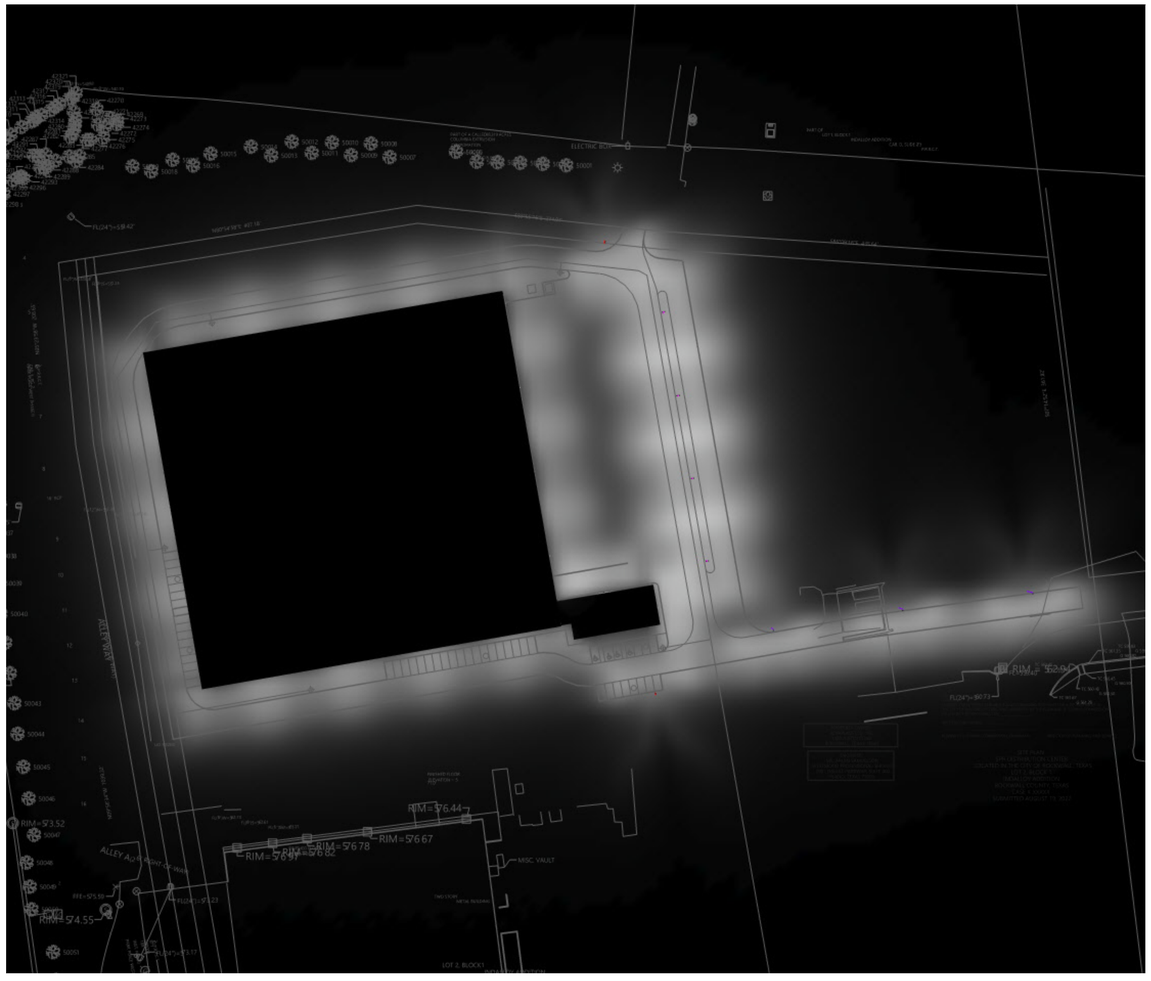
HLPS HOSSLEY
LIGHTING AND POWER SOLUTIONS

THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO EXISTING / FUTURE FIELD CONDITIONS. THIS LIGHTING LAYOUT REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER VARIABLE FIELD CONDITIONS. THESE LIGHTING CALCULATIONS ARE NOT A SUBSTITUTE FOR INDEPENDENT ENGINEERING ANALYSIS OF LIGHTING SYSTEM SUITABILITY AND SAFETY. THE ENGINEER AND/OR ARCHITECT IS RESPONSIBLE TO REVIEW FOR COMPLIANCE OF ALL APPLICABLE ENERGY CODES AND LIGHTING QUALITY STANDARDS.

Luminaire Schedule						
Symbol	Label	Qty	Arrangement	Manufacturer & Part Number	LLF	Lum. Lumens
	2-P4	4	Back-Back	HUBBELL RAR2-480L-185-3K7-4W-U (x2 @ 180 degrees)	0.900	24226
	P3	3	Single	HUBBELL RAR2-480L-185-3K7-3-U	0.900	24684
	P4	2	Single	HUBBELL RAR2-480L-185-3K7-4W-U	0.900	24226
	W4	19	Single	HUBBELL RWL2-160L-115-3K7-4-U	0.900	14403

Calculation Summary										
Label	CalcType	Units	PtSpcLr	PtSpcTb	Avg	Max	Min	Avg/Min	Max/Min	Description
Overall Area	Illuminance	Fc	10	10	0.56	5.4	0.0	N.A.	N.A.	Readings taken at 0'-0" AFG
Property Line - North	Illuminance	Fc	10	N.A.	0.13	1.6	0.0	N.A.	N.A.	
Property Line - West	Illuminance	Fc	10	N.A.	0.03	0.1	0.0	N.A.	N.A.	Readings taken at 0'-0" AFG
Loading-Pkg-Drive Areas	Illuminance	Fc			2.32	5	1	2.32	5.00	Readings taken at 0'-0" AFG

Isoline Legend	
Illuminance (Fc)	
Color	Value
	0.1
	0.5
	1



Top View - Greyscale (Luminance)

NOTES:
1) Fixture Mounting Heights (MH) are indicated next to each fixture.
2) All fixtures labeled with "_alt" indicates an alternative fixture different from what was listed in the fixture schedule received was used in this calculation
3) Interior reflectances 80/50/20; exterior reflectances 20% UON.
4) Quantity (QTY) indicated on HLPS Luminaire Schedule is for what is included in this calculation study only - Not final counts.
5) Contractor to verify exact fixture quantities and fixture run lengths before ordering.

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_____ DIRECTOR OF PLANNING AND ZONING

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Project Name: SPR Warehouse Site
Client:
Drawn By: JOw, LC
Project # :
Date:8/19/2022
Version: REV 2

HLPS HOSSLEY LIGHTING AND POWER SOLUTIONS

THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO EXISTING / FUTURE FIELD CONDITIONS. THIS LIGHTING LAYOUT REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER VARIABLE FIELD CONDITIONS. THESE LIGHTING CALCULATIONS ARE NOT A SUBSTITUTE FOR INDEPENDENT ENGINEERING ANALYSIS OF LIGHTING SYSTEM SUITABILITY AND SAFETY. THE ENGINEER AND/OR ARCHITECT IS RESPONSIBLE TO REVIEW FOR COMPLIANCE OF ALL APPLICABLE ENERGY CODES AND LIGHTING QUALITY STANDARDS.

HUBBELL Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO Series

AREA/SITE LIGHTER

FEATURES

- Low profile LED area/site luminaire with a variety of IES distributions for lighting applications such as retail, commercial and campus parking lots
- Featuring Micro Strike Optics which maximizes target zone illumination with minimal losses at the house-side, reducing light trespass issues
- Visual comfort standard
- Compact and lightweight design with low EPA
- 3G rated for high vibration applications including bridges and overpasses
- Control options including photo control, occupancy sensing, NX Distributed Intelligence™ and 7-Pin with networked controls
- Best in class surge protection available

c UL us IP66 DLC LISTED DLC PREMIUM BUY AMERICAN SOLUTIONS

See Certification Specifications



RELATED PRODUCTS

Airo | Cimarron LED | Ratio Family

CONTROL TECHNOLOGY

SiteSync LIGHTING CONTROL | NX DISTRIBUTED INTELLIGENCE™ | wiSCAPE™

SPECIFICATIONS

CONSTRUCTION

- Rectilinear form mimics the traditional shoebox form factor keeping a similar but updated style and appearance, ideal for retrofit applications
- Die-cast housing with hidden vertical heat fins that are optimal for heat dissipation while keeping a clean smooth outer surface
- Corrosion resistant, die-cast aluminum housing with powder coat paint finish

OPTICS

- Entire optical aperture illuminates to create a larger luminous surface area resulting in a low glare appearance without sacrificing optical performance
- 80, 160, 320 or 480 midpower LEDs
- 3000K, 4000K or 5000K (70 CRI) CCT
- Zero uplight at 0 degrees of tilt
- Field rotatable optics

INSTALLATION

- Standard square arm mount, compatible with B3 drill pattern
- Optional universal mounting block for ease of installation during retrofit applications. Available as an option or accessory for square and round poles.
- Knuckle arm fitter option available for 2-3/8" OD tenon. Max tilt of 60 degrees with 4 degree adjustable increments. (Restrictions apply for 7-pin options)

ELECTRICAL

- Universal 120-277 VAC or 347-480 VAC input voltage, 50/60 Hz

ELECTRICAL (CONTINUED)

- Ambient operating temperature -40˚C to 40˚C
- Drivers have greater than 90% power factor and less than 20% THD
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Field replaceable surge protection device provides 20kA protection meeting ANSI/IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device is compromised

CONTROLS

- Photo control, occupancy sensor and wireless available for complete on/off and dimming control
- 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules (control accessories sold separately)
- 0- 10 V Dimming Drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than the 6" standard
- SiteSync™ wireless control system is available via 7-pin See ordering information and details at: www.hubbelllighting.com/sitesync
- NX Distributed Intelligence™ available with in fixture wireless control module, features dimming and occupancy sensor
- wiSCAPE® available with in fixture wireless control module, features dimming and occupancy sensor via 7-pin

CERTIFICATIONS

- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Please refer to the DLC website for specific product qualifications at www.designlights.org
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40˚C ambient temperatures
- 3G rated for ANSI C136.31 high vibration applications
- Fixture is IP66 rated
- Meets IDA recommendations using 3K CCT configuration at 0 degrees of tilt
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 04/23/2020. See Buy American Solutions

WARRANTY

- 5 year limited warranty
- See HLI Standard Warranty for additional information

KEY DATA	
Lumen Range	3,000–48,000
Wattage Range	25–340
Efficacy Range (LPW)	118–155
Fixture Projected Life (Hours)	L70>60K
Weights lbs. (kg)	13.5–24 (6.1–10.9)

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701 Millennium Blvd • Greenville, SC 29607 / Tel 864.678.1000 / Website www.hubbelloutdoor.com

HUBBELL Lighting

HUBBELL Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO SERIES

AREA/SITE LIGHTER

ORDERING GUIDE

Example: RAR1-80L-25-3K7-2-UNV-ASQ-BL-NXWE-BC

CATALOG #

ORDERING INFORMATION

Series		# LEDs - Wattage		CCT/CRI		Distribution		Optics Rotation		Voltage	
RAR1	Ratio Area Size 1	80L-25	25W - 3,000 Lumens	3K7	3000K, 70 CRI	2	IES TYPE II	Blank for no rotation		UNV	Universal 120-277V
		80L-39	39W -5,200 Lumens	4K7	4000K, 70 CRI	3	IES TYPE III	L	Optic rotation left	120	120V
		80L-50	50W - 6,000 Lumens	5K7	5000K, 70 CRI	4W	IES TYPE IV	R	Optic rotation right	208	208V
		160L-70	70W - 9,000 Lumens			5QW	IES TYPE V			240	240V
		160L-100	100W - 12,000 Lumens							277	277V
		160L-115	115W - 15,000 Lumens							347	347V
		160L-135	135W - 18,000 Lumens							480	480V
RAR2	Ratio Area Size 2	320L-110	110W - 15,000 Lumens								
		320L-140	140W - 18,000 Lumens								
		320L-165	165W - 21,000 Lumens								
		480L-185	185W - 24,000 Lumens								
		480L-210	210W - 27,000 Lumens								
		480L-240	240W - 30,000 Lumens								
		480L-255	255W - 36,000 Lumens								
		480L-295	295W - 42,000 Lumens								
		480L-340	340W - 48,000 Lumens								

Mounting		Color		Control Options Network		Options	
ASQ	Arm mount for square pole/flat surface	BLT	Black Matte Textured	NXWE	NX Wireless Enabled (module + radio)	BC	Backlight control
ASQU	Universal arm mount for square pole/flat surface	BLS	Black Gloss Smooth	NXSPW_F	NX Wireless, PIR Occ. Sensor, Daylight Harvesting [4]	F	Fusing (must specify voltage)
Mounting Round Poles		DBT	Dark Bronze Matte Textured	NXSP_F	NX, PIR Occ. Sensor, Daylight Harvesting [4]	TB	Terminal block
A_	Arm mount for round pole[1]	DBS	Dark Brone Gloss Smooth	**Control Options Other**		2PF	2 power feed with 2 drivers[2]
A_U	Universal arm mount for round pole[1]	GTT	Graphite Matte Textured	SCP-40F	Programmable occupancy sensor [3]		
Mounting Other		LGS	Light Grey Gloss Smooth	7PR	7-Pin twist lock receptacle		
WB	Wall bracket	PSS	Platinum Silver Smooth	7PR-SC	7-Pin receptacle with shorting cap		
MAF	Mast arm fitter for 2-3/8" OD horizontal arm	WHT	White Matte Textured	7PR-MD40F	Low voltage sensor for 7PR		
K	Knuckle	WHS	White Gloss Smooth	7PR-TL	7-Pin PCR with photocontrol		
		VGT	Verde Green Textured	**Sensors**			
		Color Option		BTS_F	Bluetooth Programmable, PIR Occupancy/Daylight Sensor, 360° lens [4]		
		CC	Custom Color	BTSO_F	Bluetooth Programmable, PIR Occupancy/Daylight Sensor, 360° lens, up to 12' mounting height [5]		

Notes:

1. Replace "_" with "3" for 3.5"-4.13" OD pole, "4" for 4.18"-5.25" OD pole, "5" for 5.5"-6.5" OD pole
2. Not available with 25, 50, 255, 295 & 340W configurations
3. At least one SCPREMOTE required to program SCP motion sensor
4. Replace "_" with "14" for up to 14' mounting height, "40F" for 15-40' mounting height
5. Replace "_" with "12" for up to 12' mounting height

STOCK ORDERING INFORMATION

Catalog Number	Lumens	Wattage	LED Count	CCT/CRI	Voltage	Distribution	Mounting	Finish
RAR1-100-4K-3	12,000	100W	160L	4000K/70CRI	120-277V	Type 3	Square Arm	Bronze
RAR1-100-4K-4W	12,000	100W	160L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze
RAR1-135-4K-3	18,000	135W	160L	4000K/70CRI	120-277V	Type 3	Square Arm	Bronze
RAR1-135-4K-4W	18,000	135W	160L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze
RAR2-165-4K-3	21,000	165W	320L	4000K/70CRI	120-277V	Type 3	Square Arm	Bronze
RAR2-165-4K-4W	21,000	165W	320L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze

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TYPE: PROJECT:

CATALOG #:

RATIO SERIES

AREA/SITE LIGHTER

OPTIONS AND ACCESSORIES - STOCK (ORDERED SEPARATELY)

	Catalog Number	Description
☐	**RARRPA3DB**	Round pole adapter 3.5" to 4.13" for ASQ arm, 3.5" to 4.13" OD pole, dark bronze finish
☐	**RARA3UDB**	Universal mount for square pole or round pole 3.5" to 4.13", dark bronze finish
☐	**RARBC80L**	Ratio blacklight control 80L
☐	**RARBC160L**	Ratio blacklight control 160L
☐	**RARBC320L**	Ratio blacklight control 320L
☐	**RARBC480L**	Ratio blacklight control 480L

ACCESSORIES AND REPLACEMENT PARTS - MADE TO ORDER

	Catalog Number	Description
☐	**RAR–ASQU–XX**	Universal arm mount for square pole/flat surface[2]
☐	**RAR–A_U-XX**	Universal arm mount for round poles[1,2]
☐	**RAR–RPA_–XX**	Round pole adapter[1, 2]
☐	**SETAVP-XX**	4" square pole top tenon adapter, 2 3/8" OD slipfitter[2]
☐	**RETAVP-XX**	4" round pole top tenon adapter; 2 3/8" OD slipfitter for max. Four fixtures (90o); order 4" round pole adapters separately[2]
☐	**BIRD–SPIKE–3**	Ratio size 1 bird deterrent/spikes
☐	**BIRD–SPIKE–4**	Ratio size 2 bird deterrent/spikes
☐	**RARWB–XX**	Wall bracket - use with Mast Arm Fitter or Knuckle[2]

1 Replace "_" with "3" for 3.5"-4.13" OD pole, "4" for 4.18"-5.25" OD pole, "5" for 5.5"-6.5" OD pole

2 Replace "XX" with desired color/paint finish

CONTROLS

Control Options	
Standalone	
SW7PR	SiteSync™ on fixture module via 7PR
SWUSB	SiteSync™ Software on USB
SWTAB	SiteSync™ Windows Tablet
SWBRG	SiteSync™ Wireless Bridge Node
SWFC	SiteSync™ Field Commission Serve
SCPREMOTE	Order at least one per project location to program and control
Networked – Wireless	
WIR-RME-L	wiSCAPE External Fixture Module[1,2]
NX Networked – Wireless	
NXOFM-1R1D-UNV	NX Wireless, Daylight Harvesting, BLE, 7 pin twisted lock

Notes:

1 Works with external networked photosensor

2 wiSCAPE Gateway required for system programming

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CATALOG #:

RATIO SERIES

AREA/SITE LIGHTER

PERFORMANCE DATA

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
RAR1	25	25.4	2	3438	135	1	0	1	3445	136	1	0	1	3240	128	1	0	1
			3	3460	136	1	0	1	3467	136	1	0	1	3260	128	1	0	1
			4W	3406	134	1	0	1	3412	134	1	0	1	3209	126	1	0	1
			5QW	3483	137	2	0	1	3490	137	2	0	1	3282	129	2	0	1
	39	39	2	5263	139	1	0	2	5273	139	1	0	2	4960	131	1	0	2
			3	5297	139	1	0	2	5308	140	1	0	2	4991	131	1	0	2
			4W	5200	137	1	0	2	5210	137	1	0	2	4900	129	1	0	2
			5QW	5333	140	3	0	1	5344	141	3	0	1	5025	132	3	0	1
	50	49.8	2	6310	127	1	0	2	6323	127	1	0	2	5946	120	1	0	2
			3	6349	128	1	0	2	6362	128	1	0	2	5983	120	1	0	2
			4W	6233	125	1	0	2	6245	126	1	0	2	5873	118	1	0	2
			5QW	6392	129	3	0	1	6405	129	3	0	1	6023	121	3	0	1
	70	68.4	2	9486	139	1	0	2	9505	139	1	0	2	8938	131	1	0	2
			3	9544	140	1	0	2	9563	140	1	0	2	8993	131	1	0	2
			4W	9395	137	1	0	2	9414	138	1	0	2	8853	129	1	0	2
			5QW	9608	140	4	0	2	9628	141	4	0	2	9054	132	4	0	2
	100	90.0	2	11976	133	2	0	2	12000	133	2	0	2	11285	125	2	0	2
			3	12050	134	2	0	2	12074	134	2	0	2	11354	126	2	0	2
			4W	11861	132	2	0	2	11885	132	2	0	2	11177	124	2	0	2
			5QW	12131	135	4	0	2	12155	135	4	0	2	11431	127	4	0	2
	115	109.7	2	15572	142	2	0	2	15494	141	2	0	2	14871	136	2	0	2
			3	15833	144	2	0	2	15754	144	2	0	2	15121	138	2	0	2
			4W	15281	139	2	0	3	15205	139	2	0	3	14623	133	2	0	3
			5QW	15732	143	4	0	2	15653	143	4	0	2	15024	137	4	0	2
	135	133.3	2	17971	135	3	0	3	17881	134	3	0	3	17163	129	3	0	3
			3	18272	137	2	0	2	18181	136	2	0	2	17450	131	2	0	2
			4W	17635	132	2	0	3	17547	132	2	0	3	16876	127	2	0	3
			5QW	18156	136	4	0	2	18065	136	4	0	2	17339	130	4	0	2

RAR2 Performance Data on next page

* Lumen values are from photometric test performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

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HUBBELL Lighting

HUBBELL Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO SERIES

AREA/SITE LIGHTER

PERFORMANCE DATA

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
RAR2	110	100.3	2	15326	153	2	0	3	15357	153	2	0	3	14442	144	2	0	3
			3	15421	154	2	0	3	15452	154	2	0	3	14531	145	2	0	3
			4W	15180	151	2	0	2	15210	152	2	0	2	14304	143	2	0	2
			5QW	15525	155	4	0	2	15556	155	4	0	2	14629	146	4	0	2
	140	133.2	2	19395	146	2	0	3	19434	146	2	0	3	18276	137	2	0	3
			3	19515	147	2	0	3	19554	147	2	0	3	18389	138	2	0	3
			4W	19210	144	2	0	3	19248	145	2	0	3	18101	136	2	0	3
			5QW	19647	148	5	0	3	19686	148	5	0	3	18513	139	5	0	3
	165	153.6	2	21651	141	3	0	3	21695	141	3	0	3	20402	133	3	0	3
			3	21785	142	3	0	3	21828	142	3	0	3	20527	134	3	0	3
			4W	21444	140	3	0	3	21487	140	3	0	3	20206	132	3	0	3
			5QW	21932	143	5	0	3	21976	143	5	0	3	20666	135	5	0	3
	185	174.5	2	26046	149	3	0	3	26098	150	3	0	3	24543	141	3	0	3
			3	26207	150	3	0	3	26259	150	3	0	3	24694	142	3	0	3
			4W	25797	148	3	0	4	25849	148	3	0	4	24308	139	3	0	4
			5QW	26384	151	5	0	3	26437	152	5	0	3	24861	143	5	0	3
	210	198.2	2	28848	145	3	0	4	28906	146	3	0	4	27184	137	3	0	4
			3	29027	146	3	0	4	29085	147	3	0	4	27351	138	3	0	4
			4W	28572	144	3	0	4	28630	144	3	0	4	26924	136	3	0	4
			5QW	29222	147	5	0	4	29281	148	5	0	4	27536	139	5	0	4
	240	226.9	2	32087	141	3	0	4	32151	142	3	0	4	30235	133	3	0	4
			3	32285	142	3	0	4	32350	143	3	0	4	30422	134	3	0	4
			4W	31780	140	3	0	4	31844	140	3	0	4	29946	132	3	0	4
			5QW	32503	143	5	0	4	32568	144	5	0	4	30627	135	5	0	4
	255	257.0	2	37040	144	3	0	4	36854	143	3	0	4	35373	138	3	0	4
			3	37660	147	3	0	4	37472	146	3	0	4	35966	140	3	0	4
			4W	36347	141	3	0	5	36166	140	3	0	5	34782	135	3	0	5
			5QW	37420	146	5	0	4	37233	145	5	0	4	35736	139	5	0	4
	295	294.0	2	41733	142	3	0	4	41524	141	3	0	4	39855	136	3	0	4
			3	42432	144	3	0	4	42220	144	3	0	4	40523	138	3	0	4
			4W	40953	139	3	0	5	40748	139	3	0	5	39190	133	3	0	5
			5QW	42162	143	5	0	4	41951	143	5	0	4	40264	137	5	0	4
	340	347.1	2	48392	139	4	0	5	48150	139	4	0	5	46215	133	4	0	5
			3	49203	142	3	0	4	48957	141	3	0	4	46989	135	3	0	4
			4W	47488	137	4	0	5	47261	136	4	0	5	45443	131	4	0	5
			5QW	48889	141	5	0	5	48645	140	5	0	5	46689	135	5	0	5

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DATE: LOCATION:

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CATALOG #:

RATIO SERIES

AREA/SITE LIGHTER

ELECTRICAL DATA

# OF LEDS	Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
RAR1	25	120	0.21	25.4
		208	0.12	
		240	0.11	
		277	0.09	
	39	120	0.32	38.0
		208	0.18	
		240	0.16	
		277	0.14	
		347	0.11	
		480	0.08	
	50	120	0.42	49.8
		208	0.24	
		240	0.21	
		277	0.18	
	70	120	0.57	68.4
		208	0.33	
		240	0.29	
		277	0.25	
	100	120	0.75	90.0
		208	0.43	
		240	0.38	
		277	0.32	
	115	120	0.91	109.7
		208	0.53	
		240	0.46	
		277	0.40	
		347	0.32	
		480	0.23	
	135	120	1.11	133.3
		208	0.64	
		240	0.56	
		277	0.48	
		347	0.38	
		480	0.28	

# OF LEDS	Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
RAR2	110	120	0.84	100.3
		208	0.48	
		240	0.42	
		277	0.36	
	140	120	1.11	133.2
		208	0.64	
		240	0.56	
		277	0.48	
	165	120	1.28	153.6
		208	0.74	
		240	0.64	
		277	0.55	
	185	120	1.45	174.5
		208	0.84	
		240	0.73	
		277	0.63	
	210	120	1.65	198.3
		208	0.95	
		240	0.83	
		277	0.72	
	240	120	1.89	226.9
		208	1.09	
		240	0.95	
		277	0.82	
	255	120	2.14	257.0
		208	1.24	
		240	1.07	
		277	0.93	
		347	0.74	
		480	0.54	
	295	120	2.45	294.0
		208	1.41	
		240	1.23	
		277	1.06	
		347	0.85	
		480	0.61	
	340	120	2.89	347.1
		208	1.67	
		240	1.45	
		277	1.25	
		347	1.00	
		480	0.72	

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

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

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

PROJECTED LUMEN MAINTENANCE

Ambient Temperature	OPERATING HOURS					
	0	25,000	TM-21-11 L90 36,000	50,000	100,000	L70 (Hours)
25°C / 77°F	1.00	0.97	0.95	0.93	0.86	238,000
40°C / 104°F	0.99	0.96	0.95	0.93	0.85	225,000

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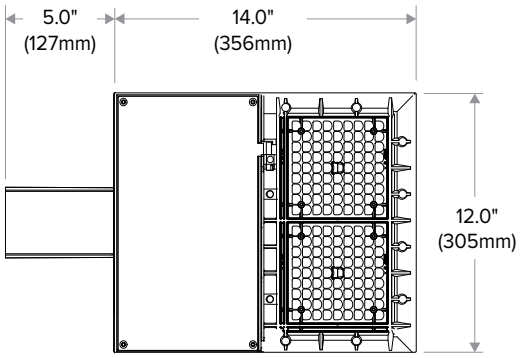
CATALOG #:

RATIO SERIES

AREA/SITE LIGHTER

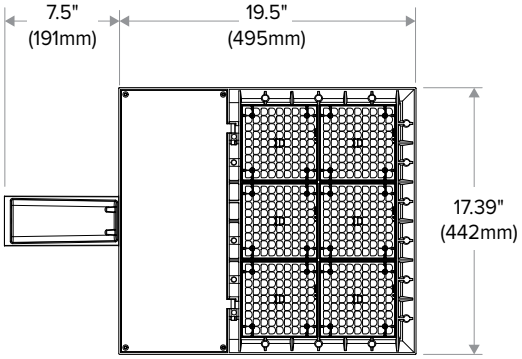
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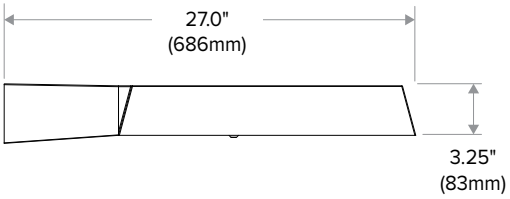
RAR1





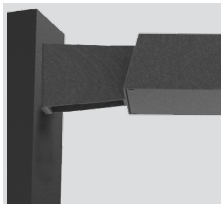
RAR2



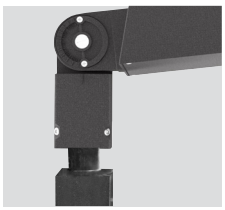


ADDITIONAL INFORMATION

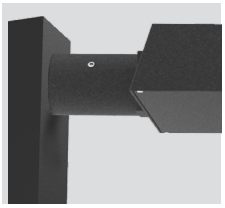
MOUNTING



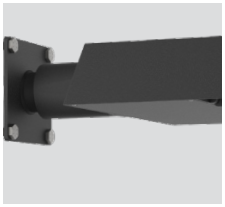
Arm Mount – Fixture ships with integral arm for ease of installation. Compatible with Hubbell Outdoor B3 drill pattern.



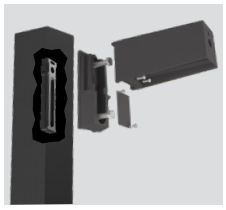
Knuckle – Knuckle mount 15° aiming angle increments for precise aiming and control, fits 2-3/8" tenons or pipes.



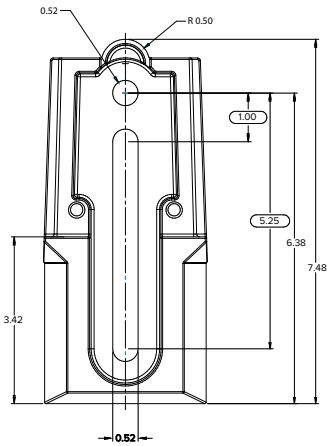
MAF – Fits 2-3/8" OD arms Roadway applications.



Wall Mount – Wall mount bracket designed for building mount applications.



Universal Mounting – Universal mounting block for ease of installation. Compatible with drill patterns from 2.5" to 4.5"



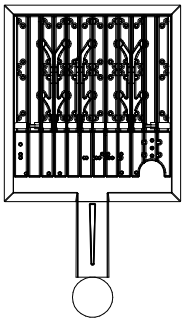
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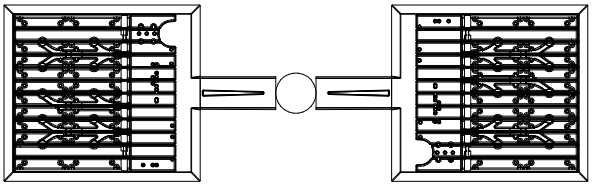
RATIO SERIES

AREA/SITE LIGHTER

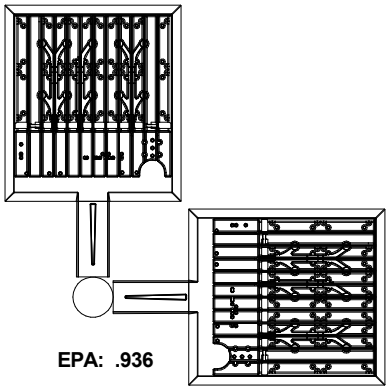
EPA



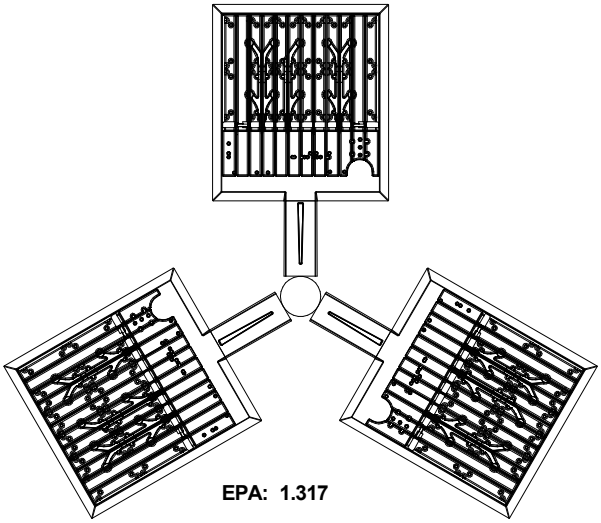
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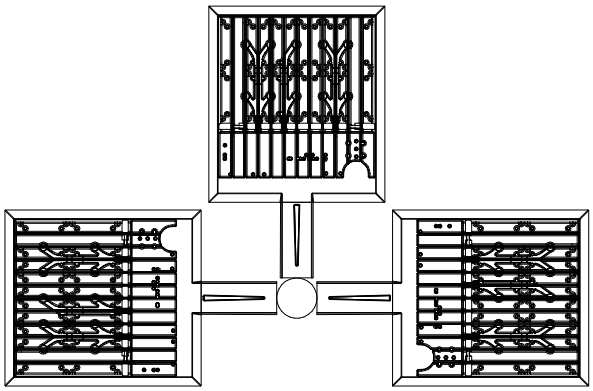
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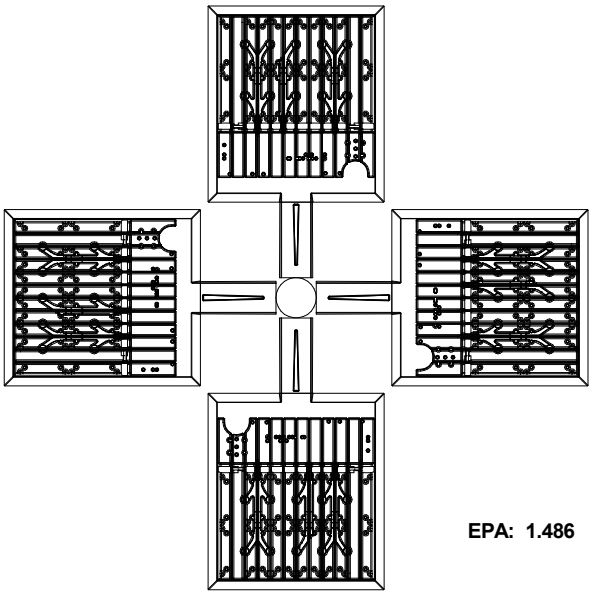
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EPA: 1.486



EPA: 1.486

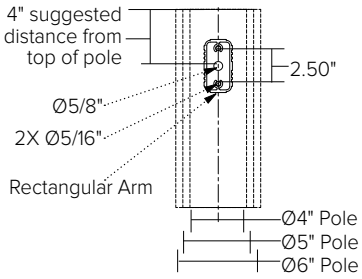
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RATIO SERIES

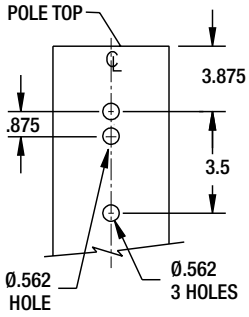
AREA/SITE LIGHTER

ADDITIONAL INFORMATION (CONT'D)

ARM MOUNT (ASQ)
Compatible with Pole drill pattern B3



UNIVERSAL MOUNTING (ASQU)
Compatible with pole drill pattern S2



SITESYNC 7-PIN MODULE



SW7PR

SiteSync LIGHTING CONTROL

- SiteSync features in a new form
- Available as an accessory for new construction or retrofit applications (with existing 7-Pin receptacle)

PROGRAMMED CONTROLS

ADD-AutoDim Timer Based Options

- Light delay options from 1-9 hours after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1-9 hours after the light has been dimmed previously.

EX: ADD-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	1-9 Hours	6
Auto-Dim Brightness	0-9% Brightness	5
Auto-Dim Return	Delay 0-9 Hours	R6

ADT-AutoDim Time of Day Based Option

- Light delay options from 1AM-9PM after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1AM-9PM after the light has been dimmed previously.

EX: ADT-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	12-3 AM and 6-11 PM	6
Auto-Dim Brightness	0-9% Brightness	5
Auto-Dim Return	12-6 AM and 9-11P	R6

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HUBBELL Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

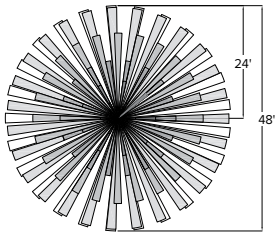
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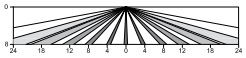
RATIO SERIES

AREA/SITE LIGHTER

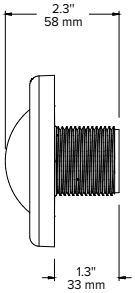
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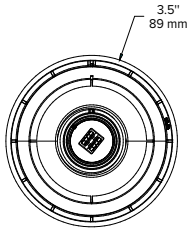
NXSP-14F



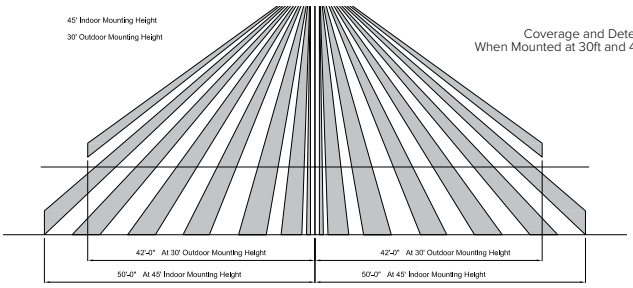


Sensor Lens Coverage and Detection Patterns
When Mounted at 8ft with Low Mount Lens

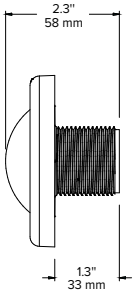


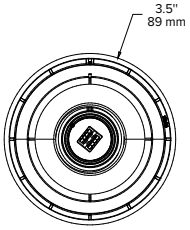


NXSP-30F

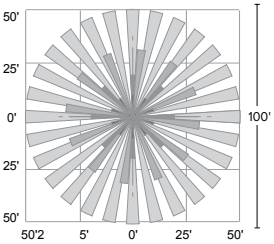


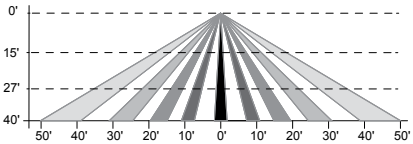
Coverage and Detection Patterns
When Mounted at 30ft and 45ft with Standard Lens

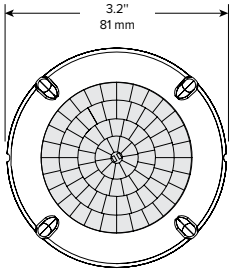


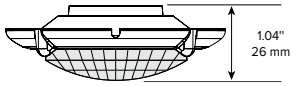


SCP-40F









RAR1 EPA

RAR-1	
EPA at 0˚	EPA at 30˚
.45ft.^{2} .13m^2	.56ft.^{2} .17m^2

RAR2 EPA

RAR-2	
EPA at 0˚	EPA at 30˚
.55ft.^{2} .17m^2	1.48ft.^{2} .45m^2

SHIPPING

Catalog Number	G.W(kg)/ CTN	Carton Dimensions		
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)
RAR1	15 (6.8)	20.75 (52.7)	15.125 (38.4)	6.9375 (17.6)
RAR2	19 (8.6)	25 (63.5)	15.125 (38.4)	6.9375 (17.6)

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HUBBELL Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

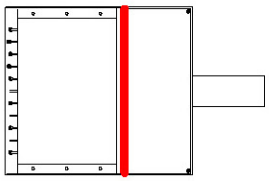
RATIO SERIES

AREA/SITE LIGHTER

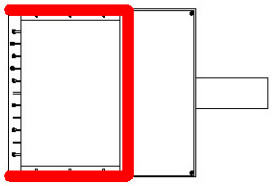
ADDITIONAL INFORMATION (CONT'D)

RATIO HOUSE SIDE SHIELD

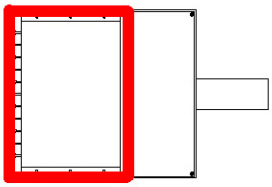
RARx HSS-90-B-xx



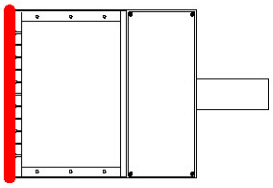
RARx HSS-270-BSS-xx



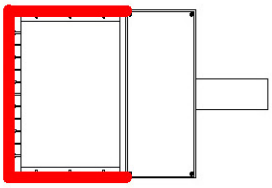
RARx HSS-360-xx



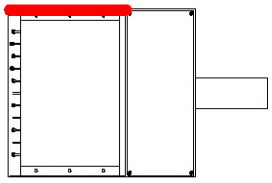
RARx HSS-90-F-xx



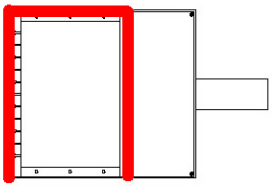
RARx HSS-270-FSS-xx



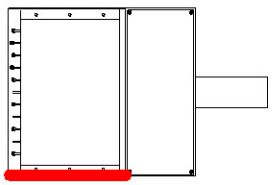
RARx HSS-90-S-xx



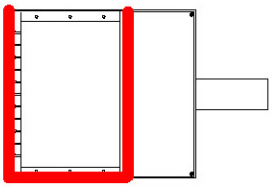
RARx HSS-270-FSB-xx



RARx HSS-90-S-xx



RARx HSS-270-FSB-xx



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HUBBELL®
Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO Wall

RWL1/RWL2 LED WALLPACK

FEATURES

- Low profile LED wall luminaire with a variety of IES distributions for lighting applications such as retail, commercial and industrial building mount
- Featuring Micro Strike Optics which maximizes target zone illumination with minimal losses at the house-side, reducing light trespass issues
- Visual comfort standard
- Control options including photo control, occupancy sensing, NX Distributed Intelligence™, Wiscape and 7-Pin with networked controls
- Battery Backup options available for emergency code compliance
- Quick-mount adapter allows easy installation/maintenance
- 347V and 480V versions for industrial applications and Canada
- Stock versions available in 3500lm and 5500lm configurations at 4000K

C US

BUY AMERICAN SOLUTIONS
See Certification Specifications

DLC QPL LISTED

DLC QPL LISTED PREMIUM



RELATED PRODUCTS

Ratio Family | Ratio Area | Ratio Flood

CONTROL TECHNOLOGY

SiteSync Lighting Control | NX DISTRIBUTED™ INTELLIGENCE | wiSCAPE™

SPECIFICATIONS

CONSTRUCTION

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

OPTICS

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

INSTALLATION

- Quick-mount adapter provides easy installation to wall or to recessed junction boxes (4" square junction box)
- Designed for direct j-box mount.
- Integral back box contains 1/2" conduit hubs
- Integral back box standard with Dual Driver, Dual Power Feed, NX, Wiscape and battery versions (battery versions for RWL1 only)

ELECTRICAL

- 120V-277V universal voltage 50/60Hz 0-10V dimming drivers
- 347V and 480V dimmable driver option for all wattages above 35W.

ELECTRICAL (CONTINUED)

- Ambient operating temperature -40˚C to 40˚C
- Drivers have greater than .90 power factor and less than 20% Total Harmonic Distortion
- Driver RoHS and IP66
- Field replaceable surge protection device provides 20kA protection meeting ANSI/IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device is compromised
- Dimming drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than 6" standard.

CONTROLS

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

CONTROLS (CONTINUED)

- Dual Driver and Dual Power Feed options creates product configuration with 2 internal drivers for code compliance
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application.

CERTIFICATIONS

- Listed to UL1598 and CSAC22.2#250.0-24 for wet locations
- IP65 rated housing
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 04/23/2020. See Buy American Solutions
- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Please refer to the DLC website for specific product qualifications at www.designlights.org

WARRANTY

- 5 year limited warranty
- See HLI Standard Warranty for additional information

KEY DATA	
Lumen Range	1,300–18,800
Wattage Range	10–155
Efficacy Range (LPW)	119–148
Fixture Projected Life (Hours)	L70>60K
Weights lbs. (kg)	6.5/16.5 (2.9/7.5)

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Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO WALL

RWL1/RWL2 LED WALLPACK

ORDERING GUIDE

Example: RWL1–48L-10–3K7–2–UNV–BLS–E

CATALOG # _____

ORDERING INFORMATION

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

Control Options Network	
NXWE	NX Wireless Enabled (module + radio)[4,7]
NXSPW_F	NX Wireless, PIR Occ. Sensor, Daylight Harvesting[4,5,7]
NXSP_F	NX, PIR Occ. Sensor, Daylight Harvesting[4,5,7]
WIR	Wireless Controls, wiSCAPE™ [2,6]
Stand Alone Sensors	
SCP-8F	Remote control programmable line voltage sensor[3,4]
SCP-20F	Remote control programmable line voltage sensor[3,4]
BTS-14F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor [10]
BTS-40F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor [10]
BTSO-12F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor, up to 12'mounting height [10]
Control Options	
7PR_	7-Pin Receptacle[6]

Options*	
F	Fusing[3]
E	Emergency Battery Backup[7,8,9]
EH	Emergency Battery w/ Heater Option[7,8]
2DR	Dual Driver[4,6,11]
2PF	Dual Power Feed[4,6,11]
PC	Button Photocontrol[8]

Notes:
1 Only available with RWL2
2 wiSCAPE Gateway required for system programming
3 Specific voltage selection is required
4 Not available with 347/480V
5 Replace "_" with "14" for up to 14' mounting height, "40" for up to 40' mounting height
6 This item is located in the integral backbox which will be automatically added onto the fixture if chosen.
7 This item is located in the integral backbox for RWL1 configurations only.
8 Option only available at 120 or 277V
9 2DR and 2PF can't be combined with E and EH due to space limitaions
10 Not available in RWL1 or 2 PF
11 Available only in UNV in 25, 35 and 45 Watt in RWL1; Not available in RWL1 10, 15 and 25 Watt.
* Based on space limitations, some options may not be able to be combined

STOCK ORDERING INFORMATION

Catalog Number	Lumens	Wattage	LED Count	CCT/CRI	Voltage	Distribution	Finish
RWL1-48L-25-4K-3	3500lm	25	48L	4000K/70CRI	120-277V	Type III	Dark Bronze Textured
RWL1-48L-25-4K-4W	3500lm	25	48L	4000K/70CRI	120-277V	Type IV Wide	Dark Bronze Textured
RWL1-48L-45-4K-3	5500lm	45	48L	4000K/70CRI	120-277V	Type III	Dark Bronze Textured
RWL1-48L-45-4K-4W	5500lm	45	48L	4000K/70CRI	120-277V	Type IV Wide	Dark Bronze Textured

CONTROLS

Control Options	
Standalone	
SCPREMOTE	Order at least one per project location to program and control

ACCESSORIES AND REPLACEMENT PARTS - MADE TO ORDER

Catalog Number	Description
WP-BB-XXX	Accessory for conduit entry[1]

Notes:
1 replace "xxx" with color option

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Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO WALL

RWL1/RWL2 LED WALLPACK

PERFORMANCE DATA

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

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HUBBELL®
Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO WALL

RWL1/RWL2 LED WALLPACK

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

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

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

PROJECTED LUMEN MAINTENANCE

Ambient Temperature	OPERATING HOURS					
	0	25,000	TM-21-11 L90 36,000	50,000	100,000	L70 (Hours)
25°C / 77°F	1.00	0.97	0.96	0.95	0.91	408,000
40°C / 104°F	0.99	0.96	0.95	0.94	0.89	356,000

ELECTRICAL DATA

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

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

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DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

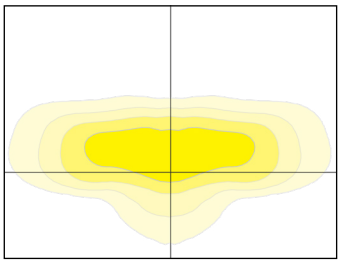
RATIO WALL

RWL1/RWL2 LED WALLPACK

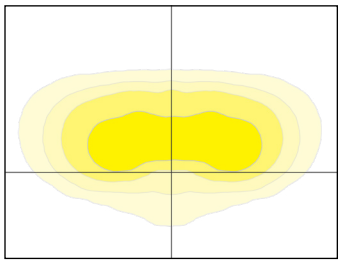
PHOTOMETRY

Mounting Height: 30ft

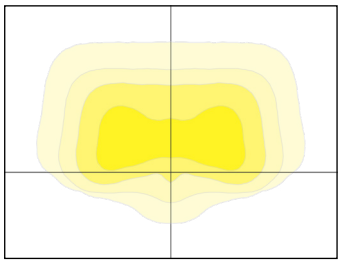
Type II



Type III

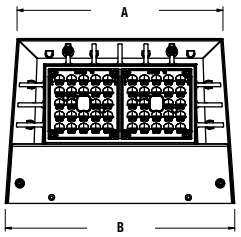


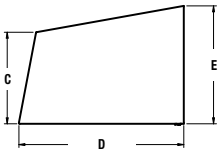
Type VI



DIMENSIONS

RWL1

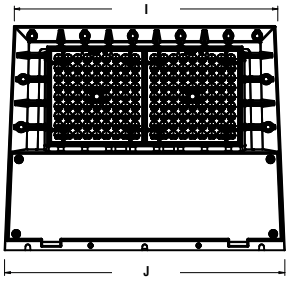


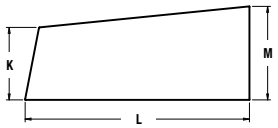


A	B	C	D	E
8.7"	9.7"	3.9"	7.0"	5.0"
221mm	246mm	99mm	178mm	127mm

Weight
6.5 lbs (2.95 kgs)

RWL2

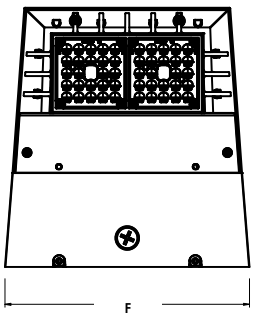


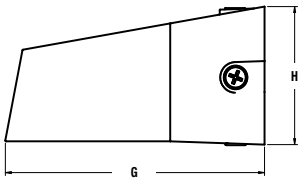


I	J	K	L	M
14.0"	15.0"	3.9"	12.0"	5.0"
356mm	381mm	99mm	305mm	127mm

Weight
16.5 lbs (7.48 kgs)

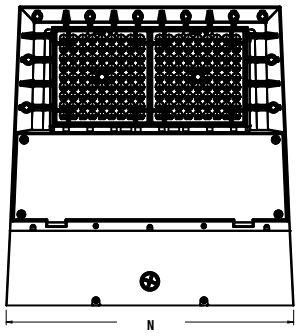
RWL1 with Integral Back Box

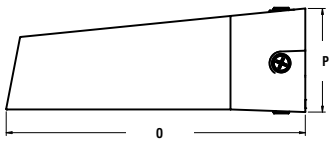




F	G	H
10.4"	11.0"	5.9"
264mm	279mm	150mm

RWL2 with Integral Back Box





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

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HUBBELL®
Lighting

DATE: LOCATION:

TYPE: PROJECT:

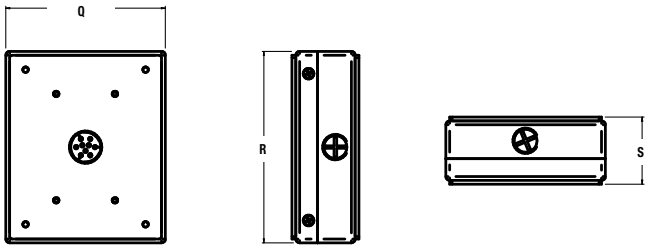
CATALOG #:

RATIO WALL

RWL1/RWL2 LED WALLPACK

DIMENSIONS (CONTINUED)

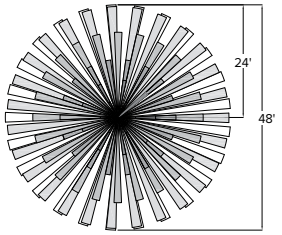
Back Box Accessory

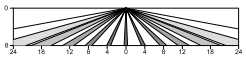


Q	R	S
4.9" 124mm	5.9" 150mm	2.1" 53mm

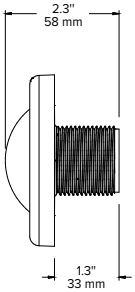
ADDITIONAL INFORMATION

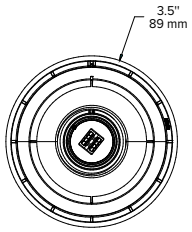
NXSP-14F



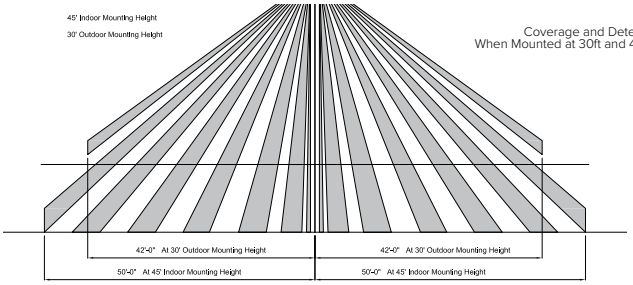


Sensor Lens Coverage and Detection Patterns
When Mounted at 8ft with Low Mount Lens

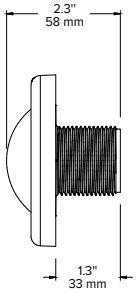


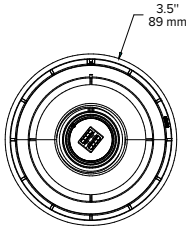


NXSP-40F

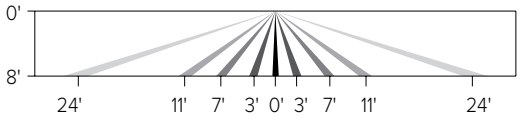


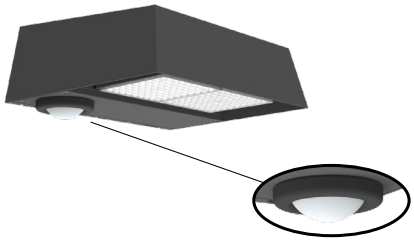
Coverage and Detection Patterns
When Mounted at 30ft and 45ft with Standard Lens

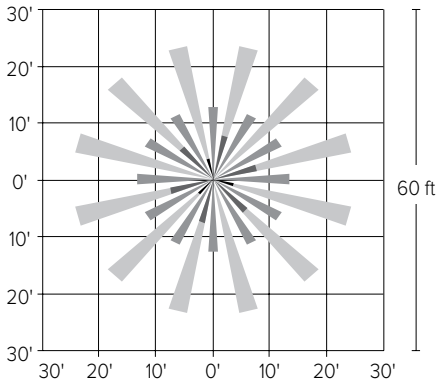


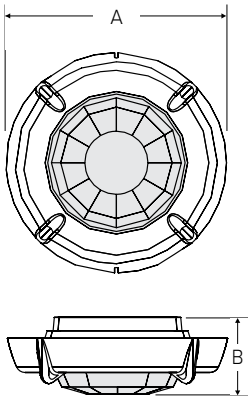


SCP-8F









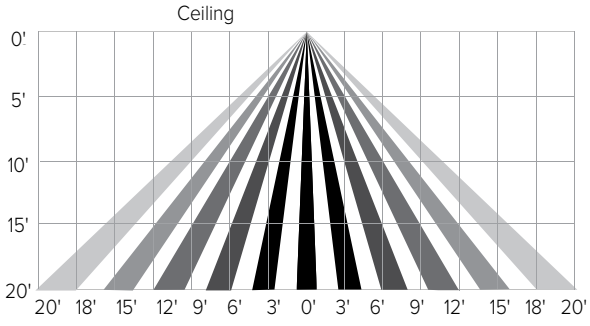
A	B
2.3" (59mm)	.8" (20mm)

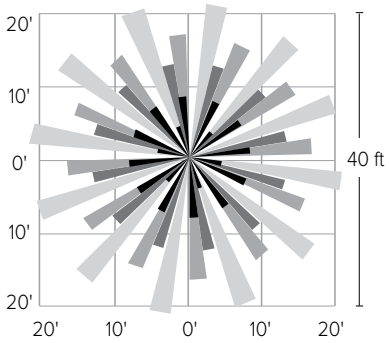
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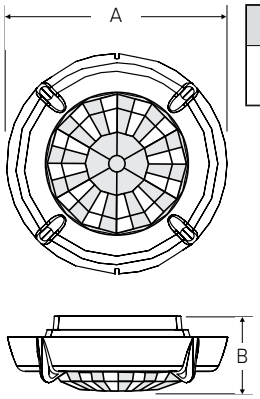
RATIO WALL

RWL1/RWL2 LED WALLPACK

SCP-20F

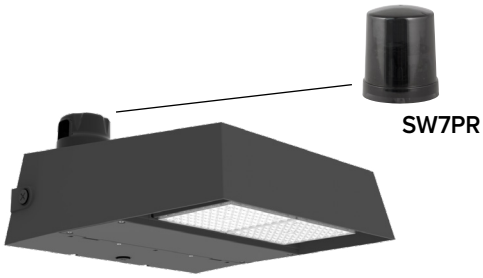






A	B
2.3" (59mm)	.8" (20mm)

SITESYNC 7-PIN MODULE



SW7PR

SiteSync™ LIGHTING CONTROL

- SiteSync features in a new form
- Available as an accessory for new construction or retrofit applications (with existing 7-Pin receptacle)

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MJDII Architects, Inc.

16775 Addison Road, Suite 310
Addison, Texas 75001
Tel: (972) 866-8600
Fax: (972) 866-8601
E-Mail: MJDII@MJDII.com

Memorandum

To City of Rockwall, Texas, Planning and Zoning Department

From Brent T. Northington – MJDII Architects, Inc.

Re SPR Distribution Center – Variance Request Letter

Date 19 August 2022

Project SPR Distribution Center

Copies

City of Rockwall Planning and Zoning Staff:

Per our in-person meeting held at your office on 7/28/2022, and a phone conversation with Mr. Ryan Miller (Director of Planning) on 8/11/2022, it is our understanding that there are no known variances being requested at this time.

Pending review comments by City of Rockwall Planning and Zoning staff of our Site Plan Submittal Package submitted on 8/19/2022, variances may be requested at a later date, once we are made aware of which variances need to be requested, if any.

Sincerely,



Brent T. Northington
Project Architect
MJDII Architects, Inc.

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	1480 Justin Road				
SUBDIVISION	Indalloy Addition	LOT	2	BLOCK	1
GENERAL LOCATION	Approx. 700 feet south of E. Washington St. and 450 feet west of Airport Rd.				

ZONING, SITE PLAN AND PLATTING INFORMATION [PLEASE PRINT]

CURRENT ZONING	Light Industrial (LI)	CURRENT USE	Unoccupied Industrial Building		
PROPOSED ZONING	No Change	PROPOSED USE	Industrial Distribution Center		
ACREAGE	43.0	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 U.S., Inc.	☐ APPLICANT	Westwood Professional Services
CONTACT PERSON	Carolina Molina	CONTACT PERSON	Arlyn Samuelson
ADDRESS	1480 Justin Road	ADDRESS	2901 Dallas Parkway, Suite 400
CITY, STATE & ZIP	Rockwall, Texas 75087	CITY, STATE & ZIP	Plano, Texas 75093
PHONE	469-402-1232	PHONE	972-265-4860
E-MAIL	cmolina@sprpackaging.com	E-MAIL	asamuelson@westwoodps.com

NOTARY VERIFICATION [REQUIRED]

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

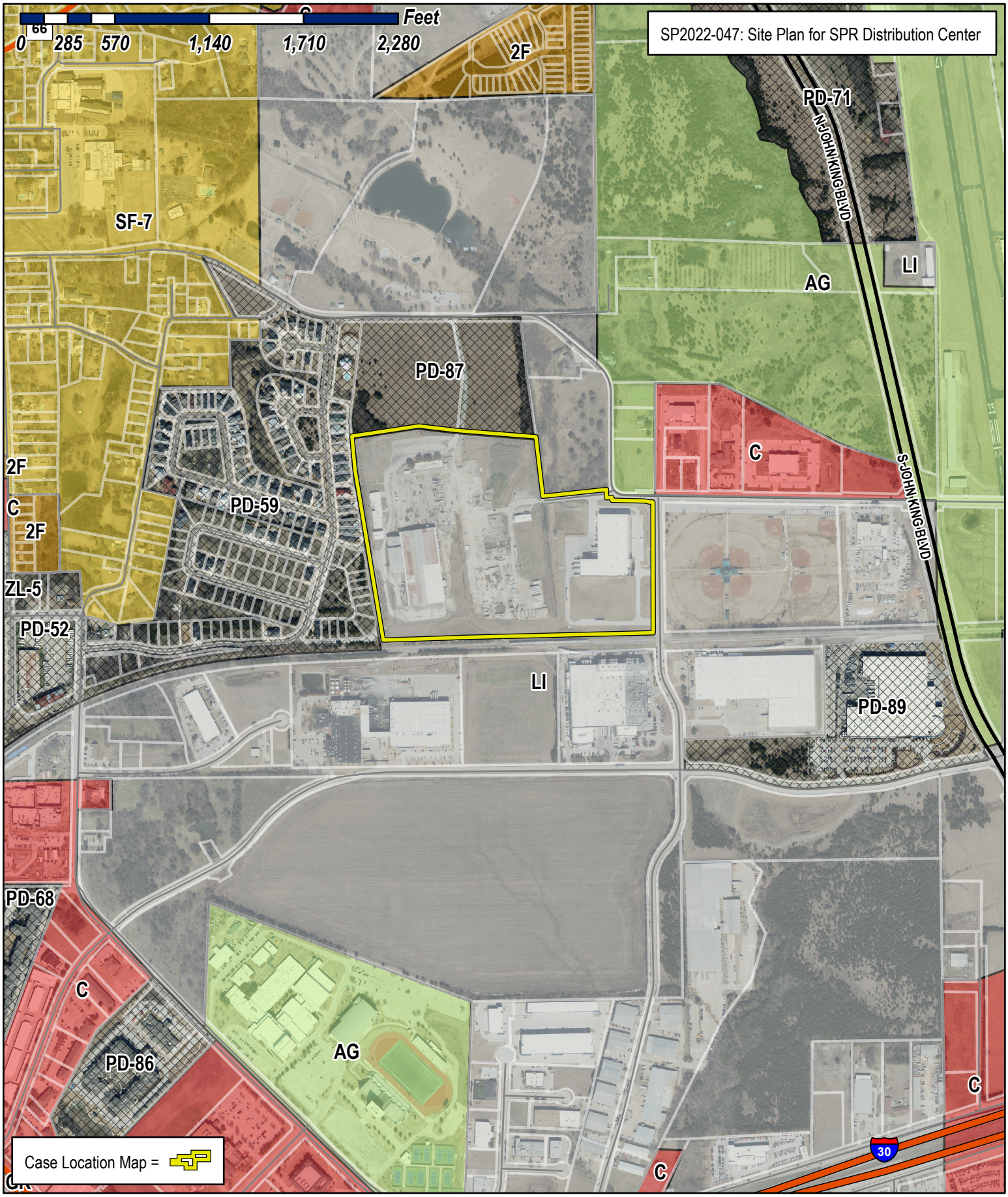
"I HEREBY CERTIFY THAT I AM THE OWNER FOR THE PURPOSE OF THIS APPLICATION; ALL INFORMATION SUBMITTED HEREIN IS TRUE AND CORRECT; AND THE APPLICATION FEE OF $_____, TO COVER THE COST OF THIS APPLICATION, HAS BEEN PAID TO THE CITY OF ROCKWALL ON THIS THE _____ DAY OF _____, 20___. BY SIGNING THIS APPLICATION, 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 _____ DAY OF _____, 20____.

OWNER'S SIGNATURE

NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

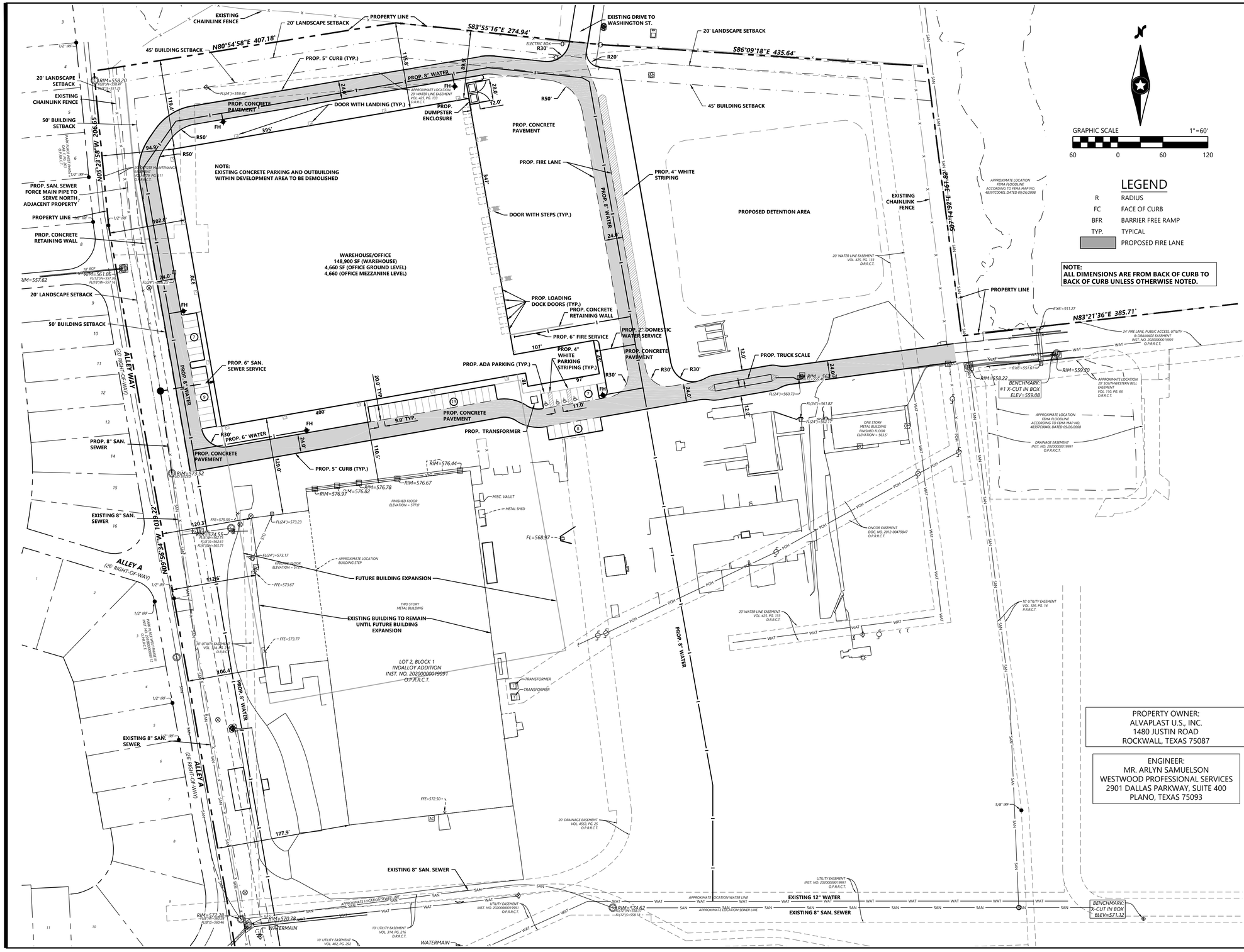
MY COMMISSION EXPIRES



City of Rockwall

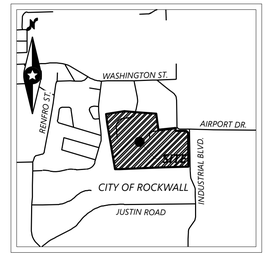
Planning & Zoning Department
385 S. Goliad Street
Rockwall, Texas 75032
(P): (972) 771-7745
(W): www.rockwall.com

The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.



VICINITY MAP

(NOT TO SCALE)



LEGEND

R	RADIUS
FC	FACE OF CURB
BFR	BARRIER FREE RAMP
TYP.	TYPICAL
	PROPOSED FIRE LANE

NOTE:
ALL DIMENSIONS ARE FROM BACK OF CURB TO BACK OF CURB UNLESS OTHERWISE NOTED.

PARKING

THE MINIMUM PARKING REQUIRED FOR A WAREHOUSE DISTRIBUTION CENTER IS TO BE "AS DETERMINED BY THE DIRECTOR" (PER CITY OF ROCKWALL UNIFIED DEVELOPMENT CODE, ARTICLE 06 "PARKING AND LOADING," TABLE 5 "PARKING REQUIREMENT SCHEDULE," UNDER THE CATEGORY "INDUSTRIAL AND MANUFACTURING LAND USES").

PARKING COUNTS

NUMBER OF EMPLOYEES IN 1ST SHIFT: 25

NUMBER OF EMPLOYEES IN 2ND SHIFT: 20

NUMBER OF DAILY VISITORS: 03

TOTAL PARKING SPACES NEEDED = 48

TOTAL PARKING SPACES PROVIDED = 50

ACCESSIBLE PARKING

PER CITY OF ROCKWALL UNIFIED DEVELOPMENT CODE, ARTICLE 06 "PARKING AND LOADING," SECTION 05.04 "HANDICAPPED PARKING":

TOTAL REQUIRED PARKING IN LOT:	REQUIRED NUMBER OF HANDICAPPED SPACES:
51-75	3
76-100	4

THIS PROJECT PROVIDES 4 ACCESSIBLE PARKING SPACES, WITHIN A TOTAL OF 50 PARKING SPACES PROVIDED.

SITE DATA SUMMARY TABLE

ITEM	LOT 1, BLOCK A
GENERAL SITE DATA	
ZONING (FROM ZONING MAP)	LIGHT INDUSTRIAL (LI)
LAND USE	WAREHOUSE W/OFFICE
LOT AREA (SQUARE FEET)	1,873,685
LOT AREA (ACRES)	43.0139
BUILDING FOOTPRINT AREA (SF) - PROPOSED	153,560
BUILDING HEIGHT (#STORIES)	1
BUILDING HEIGHT (FT-DIST TO TALLEST ELEMENT)	50'-4"
LOT COVERAGE (%)	8.20%
FLOOR AREA RATIO (XX:1)	0.08

PROPERTY OWNER:
ALVAPLAST U.S., INC.
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

ENGINEER:
MR. ARLYN SAMUELSON
WESTWOOD PROFESSIONAL SERVICES
2901 DALLAS PARKWAY, SUITE 400
PLANO, TEXAS 75093

SITE PLAN SIGNATURE BLOCK

APPROVED:
I HEREBY CERTIFY THAT THE ABOVE AND FOREGOING SITE PLAN FOR A DEVELOPMENT IN THE CITY OF ROCKWELL, TEXAS, WAS APPROVED BY THE PLANNING & ZONING COMMISSION OF THE CITY OF ROCKWALL ON _____

WITNESS OUR HANDS, _____

PLANNING & ZONING COMMISSION, CHAIRMAN **DIRECTOR OF PLANNING AND ZONING**

SITE PLAN
SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # XXXXX
SUBMITTED AUGUST 19, 2022

SPR DISTRIBUTION CENTER

DESIGNED:
CHECKED:
DRAWN:
HORIZONTAL SCALE:
VERTICAL SCALE:

INITIAL ISSUE: XX/XX/XX
REVISIONS:

PREPARED FOR:

SPR PACKAGING
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

PRELIMINARY
FOR INTERIM REVIEW ONLY
NOT TO BE USED FOR:
CONSTRUCTION OR
BIDDING PURPOSES.
Engineer: ARLYN W SAMUELSON PE
P.E. No.: 95877
Date: 08/19/2022
Westwood

SPR DISTRIBUTION CENTER
ROCKWALL, TEXAS

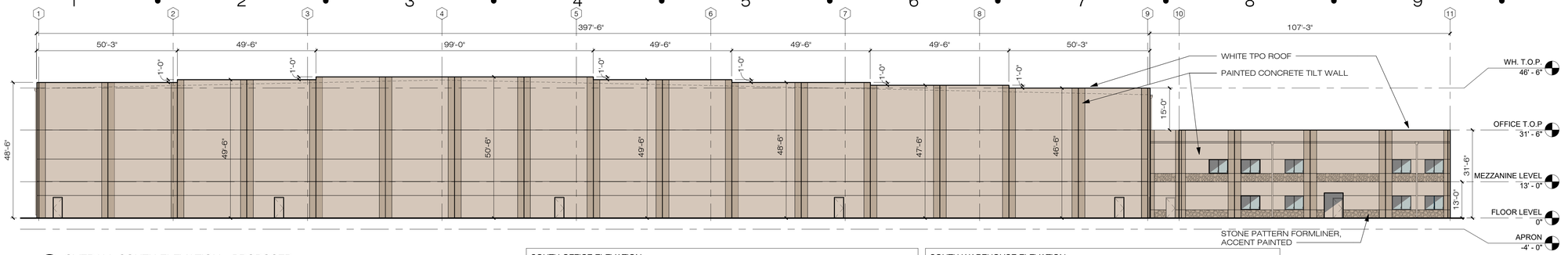
Westwood
Phone (214) 473-4640 2901 Dallas Parkway, Suite 400
Toll Free (888) 937-5150 Plano, TX 75093
westwoodps.com
Westwood Professional Services, Inc.
TBPE FIRM REGISTRATION NO. F-11756
TBPLS FIRM REGISTRATION NO. 10074301

SITE PLAN

PROJECT NUMBER: 0036677.00

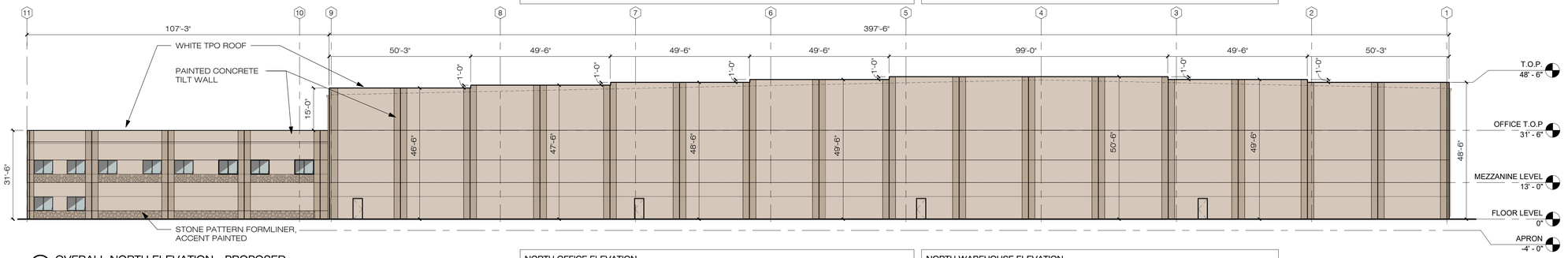
SHEET NUMBER: 1.00

DATE: 08/19/22



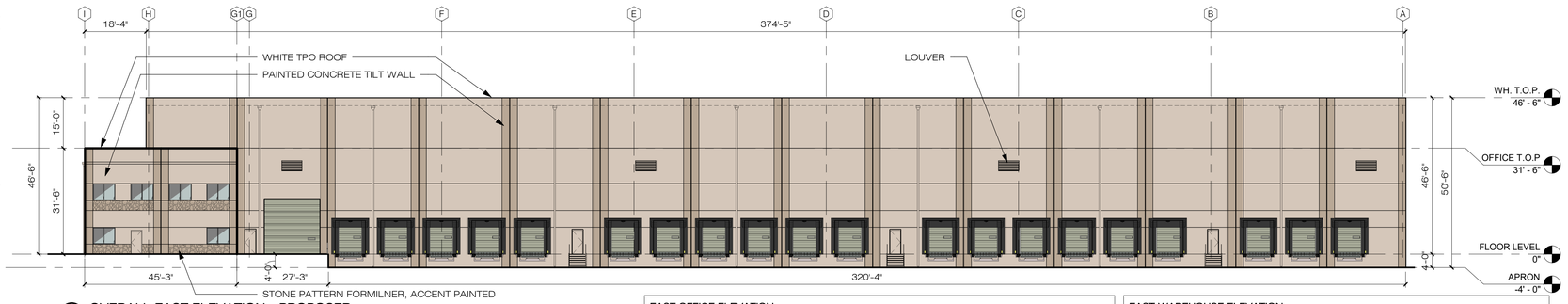
1B OVERALL SOUTH ELEVATION - PROPOSED
1" = 20'-0"

SOUTH OFFICE ELEVATION	SOUTH WAREHOUSE ELEVATION
74 % PAINTED CONCRETE TILT WALL WITH REVEALS 15 % STONE PATTERN FORMLINER, ACCENT PAINTED 11 % CLEAR ANODIZED ALUMINUM FRAMED WINDOWS AND PAINTED HOLLOW METAL DOORS	98 % PAINTED CONCRETE TILT WALL WITH REVEALS 2 % PAINTED HOLLOW METAL DOORS



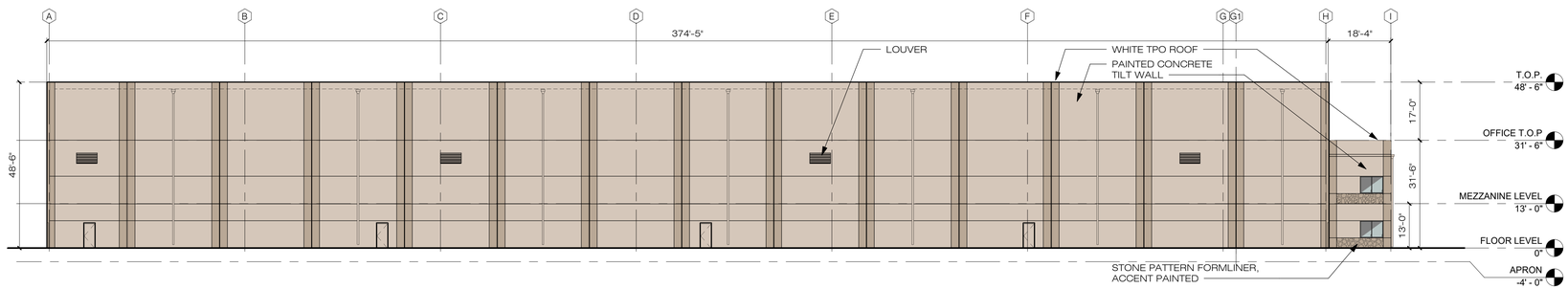
1D OVERALL NORTH ELEVATION - PROPOSED
1" = 20'-0"

NORTH OFFICE ELEVATION	NORTH WAREHOUSE ELEVATION
75 % PAINTED CONCRETE TILT WALL WITH REVEALS 15 % STONE PATTERN FORMLINER, ACCENT PAINTED 10 % CLEAR ANODIZED ALUMINUM FRAMED WINDOWS	98 % PAINTED CONCRETE TILT WALL WITH REVEALS 2 % PAINTED HOLLOW METAL DOORS



1F OVERALL EAST ELEVATION - PROPOSED
1" = 20'-0"

EAST OFFICE ELEVATION	EAST WAREHOUSE ELEVATION
68 % PAINTED CONCRETE TILT WALL WITH REVEALS 15 % STONE PATTERN FORMLINER, ACCENT PAINTED 17 % CLEAR ANODIZED ALUMINUM FRAMED WINDOWS AND PAINTED HOLLOW METAL DOORS	80 % PAINTED CONCRETE TILT WALL WITH REVEALS 20 % LOUVERS AND PAINTED HOLLOW METAL DOORS AND FACTORY FINISHED SECTIONAL DOORS



1J OVERALL WEST ELEVATION - PROPOSED
1" = 20'-0"

WEST OFFICE ELEVATION	WEST WAREHOUSE ELEVATION
73 % PAINTED CONCRETE TILT WALL WITH REVEALS 15 % STONE PATTERN FORMLINER, ACCENT PAINTED 12 % CLEAR ANODIZED ALUMINUM FRAMED WINDOWS	96 % PAINTED CONCRETE TILT WALL WITH REVEALS 4 % LOUVERS AND PAINTED HOLLOW METAL DOORS

EXTERIOR PAINT LEGEND	
	EXTERIOR PAINT 1 - SW 9085 TOUCH OF SAND
	EXTERIOR PAINT 2 - SW 9087 SMOKY BEIGE

SIGNATURE BLOCK

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 _____, 2022.

WITNESS OUR HANDS, THIS _____ DAY OF _____, 2022.

_____
PLANNING & ZONING COMMISSION, CHAIRMAN

_____
DIRECTOR OF PLANNING AND ZONING

DESIGN BUILDER:
HILL & WILKINSON
2703 TELECOM PARKWAY, SUITE 120
RICHARDSON, TEXAS 75082
214-299-4300

ARCHITECT:
MJDII ARCHITECTS, INC.
16775 ADDISON ROAD, SUITE 310
ADDISON, TEXAS 75001
972-866-8600

OWNER:
SPR PACKAGING, LLC.
1480 JUSTIN RD.
ROCKWALL, TEXAS 75087
469-314-1600

SPR DISTRIBUTION CENTER:
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS

CASE NO. _____

SUBMITED 19 AUGUST 2022

MJDII Architects, Inc.
Architecture · Planning · Consulting
16775 Addison Road, Suite 310 Tel: (972) 866-8600
Addison, Texas 75001 Fax: (972) 866-8601

HILL & WILKINSON GENERAL CONTRACTORS
DESIGN BUILDER
2703 TELECOM PARKWAY, SUITE 120
RICHARDSON, TEXAS 75082
214-299-4300

shaping the built environment
STRUCTURAL ENGINEERING
100 GLASS STREET
DALLAS, TEXAS 75207
214-752-9098

Westwood
PARKWAY CENTRE 1
2901 DALLAS PARKWAY, SUITE 400
PLANO, TEXAS 75093
214-473-4640

COOPER DESIGN WORKS
LANDSCAPE ARCHITECTURE · PLANNING · URBAN DESIGN
PO BOX 492 ROCKWALL TEXAS 75087 P 972.412.9519
cooperdesignworks.com

PILLAR ELECTRIC GROUP
2703 TELECOM PARKWAY, SUITE 100
RICHARDSON, TEXAS 75082
469-277-4960

#	DESCRIPTION	DATE

Seal:

ARCHITECT: JACK A. ROMIGH, AIA
TEXAS REGISTRATION: #11685
DATE: 19 AUGUST 2022

THESE DOCUMENTS ARE PRELIMINARY AND NOT TO BE USED FOR REGULATORY APPROVAL, PERMITTING,OR CONSTRUCTION.

THE TEXAS BOARD OF ARCHITECTURAL EXAMINERS HAS JURISDICTION OVER COMPLAINTS REGARDING THE PROFESSIONAL PRACTICES OF PERSONS REGISTERED AS ARCHITECTS IN TEXAS. THE BOARD'S CURRENT ADDRESS, PHONE NUMBER AND WEBSITE ARE: www.tbae.state.tx.us PO BOX 12337 AUSTIN, TX 78711-2337 (512) 305-9000

SPR
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087
SPR DISTRIBUTION CENTER

Drawn By:	
Project Number:	22-0013-00
Date:	19 AUGUST 2022
Issue:	CITY SITE PLAN SUBMITTAL
Approved By:	

Sheet Number:

A3.00

OVERALL EXTERIOR ELEVATIONS-PROPOSED

existing mature cedar trees to remain

existing chain link fence

existing native trees

existing cedar trees

existing Live Oaks 50020 - 50052

existing Live Oaks 50001 - 50019

bermuda hydromulch and irrigation

APPROXIMATE LOCATION 20' WATER LINE EASEMENT VOL. 425, PG. 133 D.R.R.C.T.

existing trees to be removed

PROP FF=579.50

ELECTRIC BOX

S83°55'16"E 274.94'

N05°23'58"W 96.59'

PARK PLACE WEST PHASE II CAB. F PG. 263 O.P.R.R.C.T.

OFFSITE MASONRY SCREEN WALL VOL. 477 PG. 171 O.P.R.R.C.T.

RETAINING WALL

ALLEY (20' RIGHT-O-WAY)

18" RCP

A 1"= 30'-0" NORTH

Landscape Plan plan

DE 6

DE 4

CO 5

EC 7

BO 5

SITE PLAN SIGNATURE BLOCK
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 _____

WITNESS OUR HANDS, _____

PLANNING & ZONING COMMISSION, CHAIRMAN DIRECTOR OF PLANNING AND ZONING

PROPERTY OWNER:
ALVAPLAST U.S., INC.
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

LANDSCAPE ARCHITECT:
JIM COOPER
COOPER DESIGN WORKS
PO BOX 492
ROCKWALL, TEXAS 75087

SITE PLAN
SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # XXXXX
SUBMITTED AUGUST 19, 2022

MJDII Architects, Inc.
Architecture • Planning • Consulting
16775 Addison Road, Suite 310 Tel: (972) 866-8600
Addison, Texas 75001 Fax: (972) 866-8601

HILL & WILKINSON GENERAL CONTRACTORS
DESIGN BUILDER
2703 TELECOM PARKWAY, SUITE 120
RICHARDSON, TEXAS 75082
214-299-4300

JQ shaping the built environment
STRUCTURAL ENGINEERING
100 GLASS STREET
DALLAS, TEXAS 75207
214-752-9098

Westwood
PARKWAY CENTRE 1
2901 DALLAS PARKWAY, SUITE 400
PLANO, TEXAS 75093
214-473-4640

COOPER DESIGN WORKS
LANDSCAPE ARCHITECTURE · PLANNING · URBAN DESIGN
PO BOX 492 ROCKWALL TEXAS 75087 P 972.412.9519
cooperdesignworks.com

PILLAR ELECTRIC GROUP
2703 TELECOM PARKWAY, SUITE 100
RICHARDSON, TEXAS 75082
469-277-4860

#	DESCRIPTION	DATE

Seal:
These documents are for municipal review and not for construction.
James A Cooper RLA 1287
19 August 2022

SPR
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087
SPR DISTRIBUTION CENTER

Drawn By:	CDW
Project Number:	22-0013-00
Date:	19 AUGUST 2022
Issue:	CITY SITE PLAN SUBMITTAL
Approved By:	CDW

Sheet Number:

L1.01

Landscape Plan

PLANT SCHEDULE

Large Shade And Evergreen Trees

	SYM	QTY	COMMON NAME	SCIENTIFIC NAME	SIZE & CONDITION AT PLANTING
	LO	6	Live Oak	Quercus virginiana	3" Caliper12'-14' Ht./ 4'-5' spread, container grown straight trunk.
	DE	6	Drake Elm	Ulmus parvifolia 'Drake"	4" Caliper 12'-14' Ht./ 5'-6' spread, container grown straight trunk.
	CO	5	Chinquapin Oak	Ulmus crassifolia	4" Caliper 12'-14' Ht./ 5'-6' spread, container grown straight trunk.
	EC	7	Easter Red Cedar	Juniperis virginiana	4" Caliper 10'-12' Ht./ 5'-6' spread, full to ground.

Shrubs and Groundcovers

	SYM	QTY	COMMON NAME	SCIENTIFIC NAME	SIZE & CONDITION AT PLANTING
			Bermuda Hydromulch	Cynadon dactylon	Fine grade prior to installation

Landscape Calculations:

Parking Lot Landscaping

Parking Area (Double Row): 4958 SF

Interior Landscape Area Required 5%: 249 SF

Interior Landscape Area Provided: 250 SF

No parking space is more than 80' from a tree.

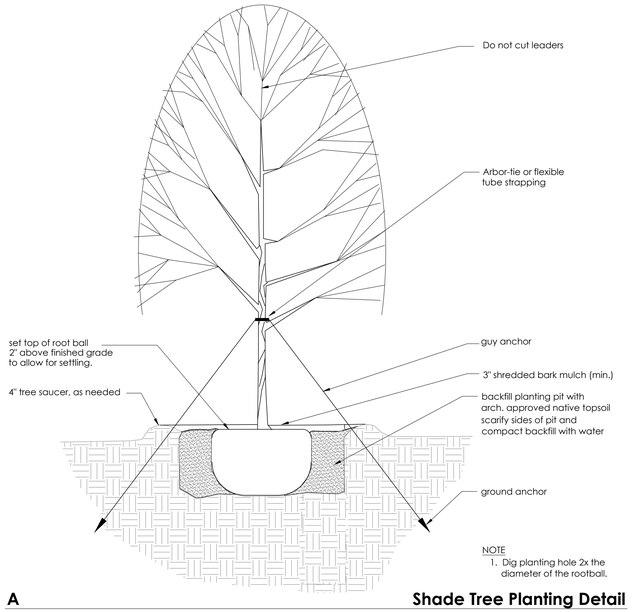
Abutting Residential Buffer:

Landscape buffer abutting residential development is existing.

Landscape Notes:

An automatic irrigation system will be provided comply with the irrigation code of Chapter 10, Buildings and Building Regulations, Article XVI, Irrigation Code, of the City of Rockwall Code of Ordinances, and all applicable state laws, as may be amended.

SITE DATA SUMMARY TABLE	
ITEM	LOT 1, BLOCK A
GENERAL SITE DATA	
ZONING (FROM ZONING MAP)	LIGHT INDUSTRIAL (LI)
LAND USE	WAREHOUSE W/OFFICE
LOT AREA (SQUARE FEET)	1,873,695
LOT AREA (ACRES)	43.0139
BUILDING FOOTPRINT AREA (SF) - PROPOSED	153,560
BUILDING HEIGHT (#/STORIES)	1
BUILDING HEIGHT (FT-DIST TO TALLEST ELEMENT)	50'-4"
LOT COVERAGE (%)	8.20%
FLOOR AREA RATIO (X.XX:1)	0.08



A **Shade Tree Planting Detail**

NTS

PROPERTY OWNER:
ALVAPLAST U.S., INC.
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

LANDSCAPE ARCHITECT:
JIM COOPER
COOPER DESIGN WORKS
PO BOX 492
ROCKWALL, TEXAS 75087

SITE PLAN SIGNATURE BLOCK
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 _____

WITNESS OUR HANDS, _____

PLANNING & ZONING COMMISSION, CHAIRMAN **DIRECTOR OF PLANNING AND ZONING**

SITE PLAN
SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # XXXXX
SUBMITTED AUGUST 19, 2022

MJDII Architects, Inc.
Architecture • Planning • Consulting
16775 Addison Road, Suite 310 Tel: (972) 866-8600
Addison, Texas 75001 Fax: (972) 866-8601

HILL & WILKINSON GENERAL CONTRACTORS
DESIGN BUILDER
2703 TELECOM PARKWAY, SUITE 120
RICHARDSON, TEXAS 75082
214-299-4300

JQ shaping the built environment
STRUCTURAL ENGINEERING
100 GLASS STREET
DALLAS, TEXAS 75207
214-752-9098

Westwood
PARKWAY CENTRE 1
2901 DALLAS PARKWAY, SUITE 400
PLANO, TEXAS 75093
214-473-4640

COOPER DESIGN WORKS
LANDSCAPE ARCHITECTURE · PLANNING · URBAN DESIGN
PO BOX 492 ROCKWALL TEXAS 75087 P 972.412.9519
cooperdesignworks.com

PILLAR ELECTRIC GROUP
2703 TELECOM PARKWAY, SUITE 100
RICHARDSON, TEXAS 75082
469-277-4860

#	DESCRIPTION	DATE

Seal:
These documents are for municipal review and not for construction.
James A Cooper RLA 1287
19 August 2022

SPR
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087
SPR DISTRIBUTION CENTER

Drawn By:	CDW
Project Number:	22-0013-00
Date:	19 AUGUST 2022
Issue:	CITY SITE PLAN SUBMITTAL
Approved By:	CDW

Sheet Number:

L1.02

Landscape Plan

existing mature cedar trees to remain

existing chain link fence

existing cedar trees

existing native trees

existing mature cedar trees to remain

existing cedar trees

existing chain link fence

existing trees to be removed

APPROXIMATE LOCATION 20' WATER LINE EASEMENT VOL. 425, PG. 133 D.R.R.C.T.

PROP FF=579.50

existing tree to be preserved
tree number ref. tree preservation plan sheet L 1.04

existing tree to be removed

existing cedar trees

existing mature cedar trees to remain

A Treescape Plan
1"= 30'-0"
NORTH
plan

SITE PLAN SIGNATURE BLOCK
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 ____

WITNESS OUR HANDS, ____

PLANNING & ZONING COMMISSION, CHAIRMAN DIRECTOR OF PLANNING AND ZONING

PROPERTY OWNER:
ALVAPLAST U.S., INC.
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

LANDSCAPE ARCHITECT:
JIM COOPER
COOPER DESIGN WORKS
PO BOX 492
ROCKWALL, TEXAS 75087

SITE PLAN
SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # XXXXX
SUBMITTED AUGUST 19, 2022

MJDII Architects, Inc.
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16775 Addison Road, Suite 310 Tel: (972) 866-8600
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HILL & WILKINSON GENERAL CONTRACTORS
DESIGN BUILDER
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Westwood
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PLANO, TEXAS 75093
214-473-4640

COOPER DESIGN WORKS
LANDSCAPE ARCHITECTURE · PLANNING · URBAN DESIGN
PO BOX 492 ROCKWALL TEXAS 75087 P 972.412.9519
cooperdesignworks.com

PILLAR ELECTRIC GROUP
2703 TELECOM PARKWAY, SUITE 100
RICHARDSON, TEXAS 75082
469-277-4860

#	DESCRIPTION	DATE

Seal:
These documents are for municipal review and not for construction.
James A Cooper RLA 1287
19 August 2022

SPR
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087
SPR DISTRIBUTION CENTER

Drawn By:	CDW
Project Number:	22-0013-00
Date:	19 AUGUST 2022
Issue:	CITY SITE PLAN SUBMITTAL
Approved By:	CDW

Sheet Number:

L1.03

Treescape Plan

Tree Preservation Table

Tree Number	Common Name	DBH Inches	Status	Feature Tree	Mitigation Required	Mitigation Inches
42220	Live Oak	26	Remove	Yes	Yes	52
42201	Crape Myrtle	12	Remove	No	Yes	12
42202	Crape Myrtle	16	Remove	No	Yes	16
42203	Live Oak	30	Remove	Yes	Yes	60
42204	Crape Myrtle	12	Remove	No	Yes	12
42205	Crape Myrtle	12	Remove	No	Yes	12
42206	Live Oak	26	Remove	Yes	Yes	52
42207	Live Oak	30	Remove	Yes	Yes	60
42269	Willow	18	Preserve	No	No	
42270	Cedar	6	Preserve	No	No	
42271	Elm	20	Preserve	No	No	
42272	Elm	20	Preserve	No	No	
42273	Unknown	10	Preserve	No	No	
42274	Hackberry	12	Preserve	No	No	
42275	Elm	11	Preserve	No	No	
42276	Elm	30	Preserve	No	No	
42277	Elm	13	Preserve	No	No	
42278	Elm	15	Preserve	No	No	
42279	Elm	20	Preserve	No	No	
42280	Elm	20	Preserve	No	No	
42281	Elm	6	Preserve	No	No	
42282	Cedar	4	Preserve	No	No	
42283	Cedar	14	Preserve	No	No	
42284	Cedar	6	Preserve	No	No	
42285	Cedar	12	Preserve	No	No	
42286	Elm	10	Preserve	No	No	
42287	Elm	9	Preserve	No	No	
42288	Elm	18	Preserve	No	No	
42289	Hackberry	8	Preserve	No	No	
42290	Cedar	12	Preserve	No	No	
42291	Elm	11	Preserve	No	No	
42292	Elm	4	Preserve	No	No	
42293	Elm	9	Preserve	No	No	
42294	Elm	9	Preserve	No	No	
42295	Hackberry	15	Preserve	No	No	
42296	Elm	6	Preserve	No	No	
42297	Cedar	6	Preserve	No	No	
42298	Cedar	6	Preserve	No	No	
42299	Elm	10	Preserve	No	No	
42300	Elm	8	Preserve	No	No	
42301	Elm	8	Preserve	No	No	
42302	Elm	4	Preserve	No	No	
42303	Elm	9	Preserve	No	No	
42304	Elm	4	Preserve	No	No	
42305	Elm	9	Preserve	No	No	
42306	Elm	16	Preserve	No	No	
42307	Elm	4	Preserve	No	No	
42308	Elm	15	Preserve	No	No	
42309	Elm	12	Preserve	No	No	
42310	Elm	4	Preserve	No	No	
42311	Elm	6	Preserve	No	No	
42312	Elm	6	Preserve	No	No	
42313	Elm	4	Preserve	No	No	
42314	Elm	9	Preserve	No	No	
42315	Elm	9	Preserve	No	No	
42316	Elm	16	Preserve	No	No	
42317	Elm	16	Preserve	No	No	
42318	Cedar	6	Preserve	No	No	
42319	Cedar	4	Preserve	No	No	
42320	Cedar	6	Preserve	No	No	
42321	Cedar	10	Preserve	No	No	
42437	Bois d'arc	24	Preserve	No	No	

Tree Number	Common Name	DBH Inches	Status	Feature Tree	Mitigation Required	Mitigation Inches
50001	Live Oak	4-5"	Preserve	No	No	
50002	Live Oak	4-5"	Preserve	No	No	
50003	Live Oak	4-5"	Preserve	No	No	
50004	Live Oak	4-5"	Preserve	No	No	
50005	Live Oak	4-5"	Preserve	No	No	
50006	Live Oak	4-5"	Preserve	No	No	
50007	Live Oak	4-5"	Preserve	No	No	
50008	Live Oak	4-5"	Preserve	No	No	
50009	Live Oak	4-5"	Preserve	No	No	
50010	Live Oak	4-5"	Preserve	No	No	
50012	Live Oak	4-5"	Preserve	No	No	
50013	Live Oak	4-5"	Preserve	No	No	
50014	Live Oak	4-5"	Preserve	No	No	
50015	Live Oak	4-5"	Preserve	No	No	
50016	Live Oak	4-5"	Preserve	No	No	
50017	Live Oak	4-5"	Preserve	No	No	
50018	Live Oak	4-5"	Preserve	No	No	
50019	Live Oak	4-5"	Preserve	No	No	
50020	Live Oak	4-5"	Preserve	No	No	
50022	Live Oak	4-5"	Preserve	No	No	
50023	Live Oak	4-5"	Preserve	No	No	
50024	Live Oak	4-5"	Preserve	No	No	
50025	Live Oak	4-5"	Preserve	No	No	
50026	Live Oak	4-5"	Preserve	No	No	
50027	Live Oak	4-5"	Preserve	No	No	
50028	Live Oak	4-5"	Preserve	No	No	
50029	Live Oak	4-5"	Preserve	No	No	
50030	Live Oak	4-5"	Preserve	No	No	
50031	Live Oak	4-5"	Preserve	No	No	
50032	Live Oak	4-5"	Preserve	No	No	
50033	Live Oak	4-5"	Preserve	No	No	
50034	Live Oak	4-5"	Preserve	No	No	
50035	Live Oak	4-5"	Preserve	No	No	
50036	Live Oak	4-5"	Preserve	No	No	
50037	Live Oak	4-5"	Preserve	No	No	
50038	Live Oak	4-5"	Preserve	No	No	
50039	Live Oak	4-5"	Preserve	No	No	
50040	Live Oak	4-5"	Preserve	No	No	
50042	Live Oak	4-5"	Preserve	No	No	
50043	Live Oak	4-5"	Preserve	No	No	
50044	Live Oak	4-5"	Preserve	No	No	
50045	Live Oak	4-5"	Preserve	No	No	
50046	Live Oak	4-5"	Preserve	No	No	
50047	Live Oak	4-5"	Preserve	No	No	
50048	Live Oak	4-5"	Preserve	No	No	
50049	Live Oak	4-5"	Preserve	No	No	
50050	Live Oak	4-5"	Preserve	No	No	
50051	Live Oak	4-5"	Preserve	No	No	
50052	Live Oak	4-5"	Preserve	No	No	
50053	Live Oak	4-5"	Preserve	No	No	
50054	Live Oak	4-5"	Preserve	No	No	
50055	Live Oak	4-5"	Preserve	No	No	
50056	Live Oak	4-5"	Preserve	No	No	
50057	Live Oak	4-5"	Preserve	No	No	
50058	Live Oak	4-5"	Preserve	No	No	
50059	Live Oak	4-5"	Preserve	No	No	
50060	Live Oak	4-5"	Preserve	No	No	
50061	Live Oak	4-5"	Preserve	No	No	
50062	Live Oak	4-5"	Preserve	No	No	
50063	Live Oak	4-5"	Preserve	No	No	
50064	Live Oak	4-5"	Preserve	No	No	
50065	Live Oak	4-5"	Preserve	No	No	
50066	Live Oak	4-5"	Preserve	No	No	
50067	Live Oak	4-5"	Preserve	No	No	
50068	Live Oak	4-5"	Preserve	No	No	

Total Mitigation Inches = 276

PROPERTY OWNER:
ALVAPLAST U.S., INC.
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

LANDSCAPE ARCHITECT:
JIM COOPER
COOPER DESIGN WORKS
PO BOX 492
ROCKWALL, TEXAS 75087

SITE PLAN SIGNATURE BLOCK
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 _____

WITNESS OUR HANDS, _____

PLANNING & ZONING COMMISSION, CHAIRMAN **DIRECTOR OF PLANNING AND ZONING**

SITE PLAN
SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # XXXXX
SUBMITTED AUGUST 19, 2022

MJDII Architects, Inc.
Architecture • Planning • Consulting
16775 Addison Road, Suite 310
Addison, Texas 75001
Tel: (972) 866-8600
Fax: (972) 866-8601

HILL & WILKINSON GENERAL CONTRACTORS
DESIGN BUILDER
2703 TELECOM PARKWAY, SUITE 120
RICHARDSON, TEXAS 75082
214-299-4300

JQ shaping the built environment
STRUCTURAL ENGINEERING
100 GLASS STREET
DALLAS, TEXAS 75207
214-752-9098

Westwood
PARKWAY CENTRE 1
2901 DALLAS PARKWAY, SUITE 400
PLANO, TEXAS 75093
214-473-4640

COOPER DESIGN WORKS
LANDSCAPE ARCHITECTURE · PLANNING · URBAN DESIGN
PO BOX 492 ROCKWALL TEXAS 75087 P 972.412.9519
cooperdesignworks.com

PILLAR ELECTRIC GROUP
2703 TELECOM PARKWAY, SUITE 100
RICHARDSON, TEXAS 75082
469-277-4860

#	DESCRIPTION	DATE

Seal:
These documents are for municipal review and not for construction.
James A Cooper RLA 1287
19 August 2022

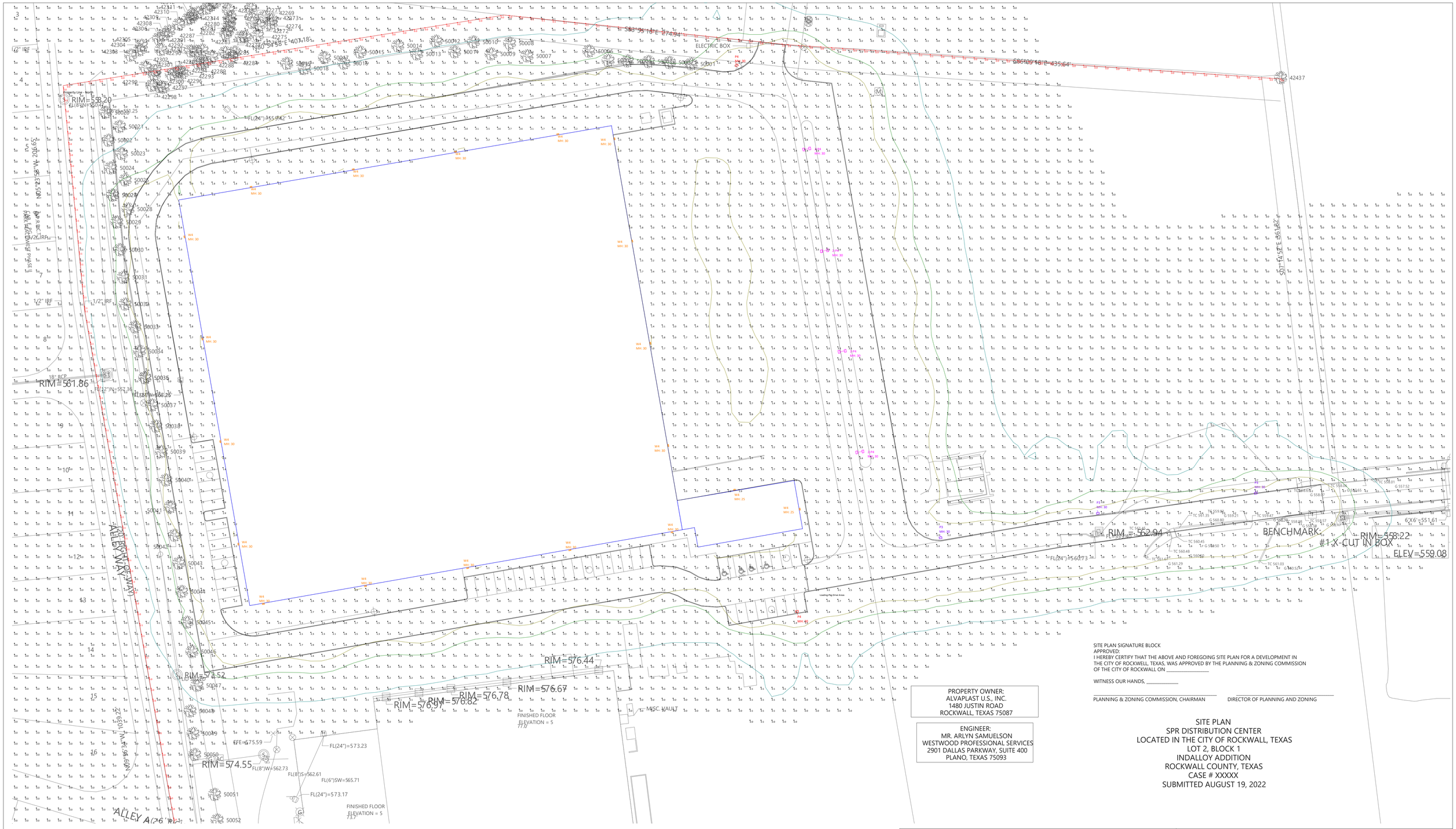
SPR
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087
SPR DISTRIBUTION CENTER

Drawn By:	CDW
Project Number:	22-0013-00
Date:	19 AUGUST 2022
Issue:	CITY SITE PLAN SUBMITTAL
Approved By:	CDW

Sheet Number:

L1.04

Treescape Details



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WITNESS OUR HANDS, _____

_____ PLANNING & ZONING COMMISSION, CHAIRMAN

_____ DIRECTOR OF PLANNING AND ZONING

PROPERTY OWNER:
ALVAPLAST U.S., INC.
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

ENGINEER:
MR. ARLYN SAMUELSON
WESTWOOD PROFESSIONAL SERVICES
2901 DALLAS PARKWAY, SUITE 400
PLANO, TEXAS 75093

SITE PLAN
SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # XXXXX
SUBMITTED AUGUST 19, 2022

Project Name: SPR Warehouse Site	Project # :
Client:	Date:8/19/2022
Drawn By: JOw, LC	Version: REV 2

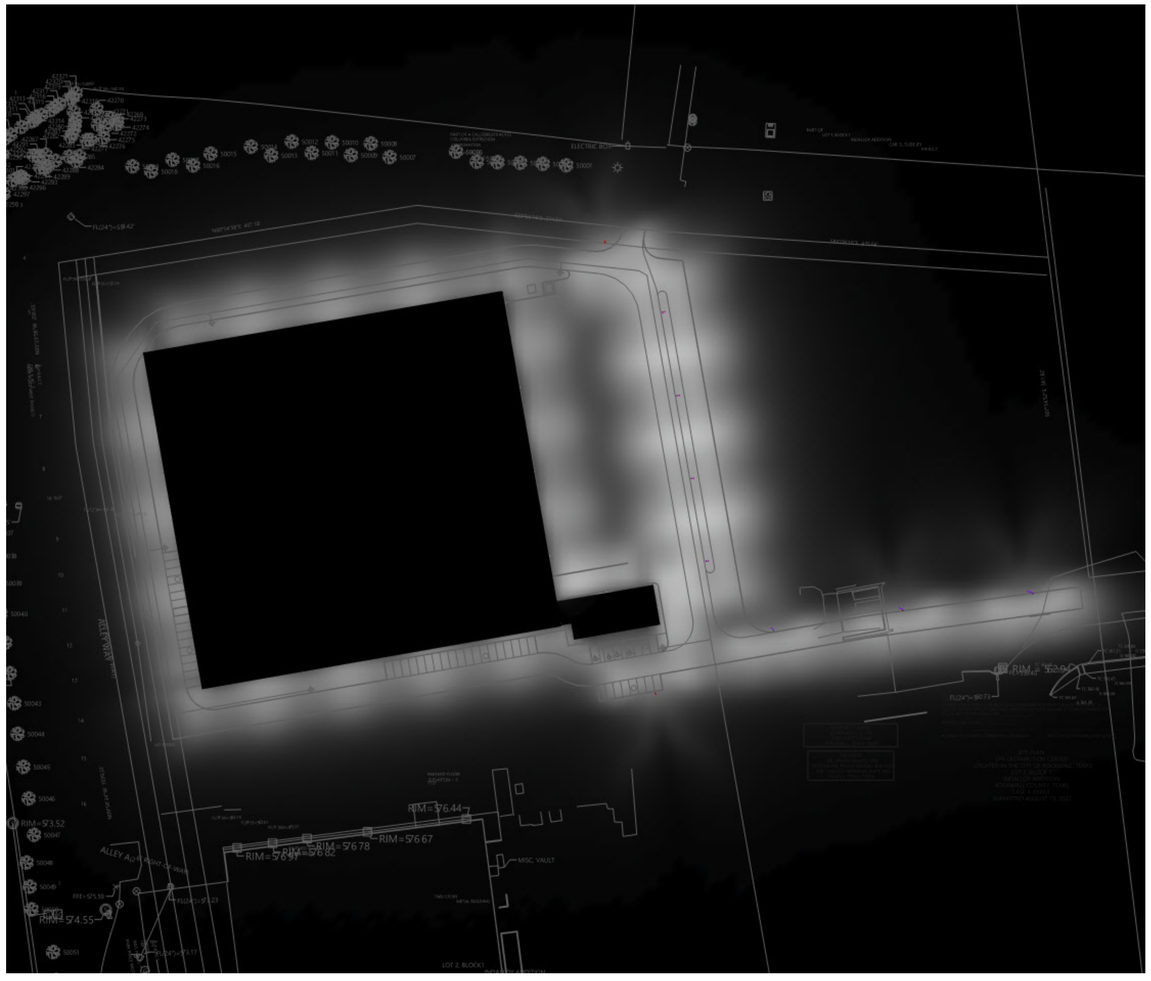
HLPS HOSSLEY
LIGHTING AND POWER SOLUTIONS

THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO EXISTING / FUTURE FIELD CONDITIONS. THIS LIGHTING LAYOUT REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER VARIABLE FIELD CONDITIONS. THESE LIGHTING CALCULATIONS ARE NOT A SUBSTITUTE FOR INDEPENDENT ENGINEERING ANALYSIS OF LIGHTING SYSTEM SUITABILITY AND SAFETY. THE ENGINEER AND/OR ARCHITECT IS RESPONSIBLE TO REVIEW FOR COMPLIANCE OF ALL APPLICABLE ENERGY CODES AND LIGHTING QUALITY STANDARDS.

Luminaire Schedule						
Symbol	Label	Qty	Arrangement	Manufacturer & Part Number	LLF	Lum. Lumens
	2-P4	4	Back-Back	HUBBELL RAR2-480L-185-3K7-4W-U (x2 @ 180 degrees)	0.900	24226
	P3	3	Single	HUBBELL RAR2-480L-185-3K7-3-U	0.900	24684
	P4	2	Single	HUBBELL RAR2-480L-185-3K7-4W-U	0.900	24226
	W4	19	Single	HUBBELL RWL2-160L-115-3K7-4-U	0.900	14403

Calculation Summary										
Label	CalcType	Units	PtSpcLr	PtSpcTb	Avg	Max	Min	Avg/Min	Max/Min	Description
Overall Area	Illuminance	Fc	10	10	0.56	5.4	0.0	N.A.	N.A.	Readings taken at 0'-0" AFG
Property Line - North	Illuminance	Fc	10	N.A.	0.13	1.6	0.0	N.A.	N.A.	
Property Line - West	Illuminance	Fc	10	N.A.	0.03	0.1	0.0	N.A.	N.A.	Readings taken at 0'-0" AFG
Loading-Pkg-Drive Areas	Illuminance	Fc			2.32	5	1	2.32	5.00	Readings taken at 0'-0" AFG

Isoline Legend	
Illuminance (Fc)	
Color	Value
	0.1
	0.5
	1



Top View - Greyscale (Luminance)

NOTES:
1) Fixture Mounting Heights (MH) are indicated next to each fixture.
2) All fixtures labeled with "_alt" indicates an alternative fixture different from what was listed in the fixture schedule received was used in this calculation
3) Interior reflectances 80/50/20; exterior reflectances 20% UON.
4) Quantity (QTY) indicated on HLPS Luminaire Schedule is for what is included in this calculation study only - Not final counts.
5) Contractor to verify exact fixture quantities and fixture run lengths before ordering.

PROPERTY OWNER:
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1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

ENGINEER:
MR. ARLYN SAMUELSON
WESTWOOD PROFESSIONAL SERVICES
2901 DALLAS PARKWAY, SUITE 400
PLANO, TEXAS 75093

SITE PLAN SIGNATURE BLOCK
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WITNESS OUR HANDS, _____

_____ PLANNING & ZONING COMMISSION, CHAIRMAN

_____ DIRECTOR OF PLANNING AND ZONING

SITE PLAN
SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # XXXXX
SUBMITTED AUGUST 19, 2022

Project Name: SPR Warehouse Site
Client:
Drawn By: JOw, LC
Project # :
Date:8/19/2022
Version: REV 2

HLPS HOSSLEY LIGHTING AND POWER SOLUTIONS

THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO EXISTING / FUTURE FIELD CONDITIONS. THIS LIGHTING LAYOUT REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER VARIABLE FIELD CONDITIONS. THESE LIGHTING CALCULATIONS ARE NOT A SUBSTITUTE FOR INDEPENDENT ENGINEERING ANALYSIS OF LIGHTING SYSTEM SUITABILITY AND SAFETY. THE ENGINEER AND/OR ARCHITECT IS RESPONSIBLE TO REVIEW FOR COMPLIANCE OF ALL APPLICABLE ENERGY CODES AND LIGHTING QUALITY STANDARDS.

HUBBELL Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO Series

AREA/SITE LIGHTER

FEATURES

- Low profile LED area/site luminaire with a variety of IES distributions for lighting applications such as retail, commercial and campus parking lots
- Featuring Micro Strike Optics which maximizes target zone illumination with minimal losses at the house-side, reducing light trespass issues
- Visual comfort standard
- Compact and lightweight design with low EPA
- 3G rated for high vibration applications including bridges and overpasses
- Control options including photo control, occupancy sensing, NX Distributed Intelligence™ and 7-Pin with networked controls
- Best in class surge protection available

c UL us IP66 DLC LISTED DLC PREMIUM BUY AMERICAN SOLUTIONS

See Certification Specifications



RELATED PRODUCTS

Airo | Cimarron LED | Ratio Family

CONTROL TECHNOLOGY

SiteSync LIGHTING CONTROL | NX DISTRIBUTED INTELLIGENCE™ | wiSCAPE™

SPECIFICATIONS

CONSTRUCTION

- Rectilinear form mimics the traditional shoebox form factor keeping a similar but updated style and appearance, ideal for retrofit applications
- Die-cast housing with hidden vertical heat fins that are optimal for heat dissipation while keeping a clean smooth outer surface
- Corrosion resistant, die-cast aluminum housing with powder coat paint finish

OPTICS

- Entire optical aperture illuminates to create a larger luminous surface area resulting in a low glare appearance without sacrificing optical performance
- 80, 160, 320 or 480 midpower LEDs
- 3000K, 4000K or 5000K (70 CRI) CCT
- Zero uplight at 0 degrees of tilt
- Field rotatable optics

INSTALLATION

- Standard square arm mount, compatible with B3 drill pattern
- Optional universal mounting block for ease of installation during retrofit applications. Available as an option or accessory for square and round poles.
- Knuckle arm fitter option available for 2-3/8" OD tenon. Max tilt of 60 degrees with 4 degree adjustable increments. (Restrictions apply for 7-pin options)

ELECTRICAL

- Universal 120-277 VAC or 347-480 VAC input voltage, 50/60 Hz

ELECTRICAL (CONTINUED)

- Ambient operating temperature -40˚C to 40˚C
- Drivers have greater than 90% power factor and less than 20% THD
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Field replaceable surge protection device provides 20kA protection meeting ANSI/IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device is compromised

CONTROLS

- Photo control, occupancy sensor and wireless available for complete on/off and dimming control
- 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules (control accessories sold separately)
- 0- 10 V Dimming Drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than the 6" standard
- SiteSync™ wireless control system is available via 7-pin See ordering information and details at: www.hubbelllighting.com/sitesync
- NX Distributed Intelligence™ available with in fixture wireless control module, features dimming and occupancy sensor
- wiSCAPE® available with in fixture wireless control module, features dimming and occupancy sensor via 7-pin

CERTIFICATIONS

- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Please refer to the DLC website for specific product qualifications at www.designlights.org
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40˚C ambient temperatures
- 3G rated for ANSI C136.31 high vibration applications
- Fixture is IP66 rated
- Meets IDA recommendations using 3K CCT configuration at 0 degrees of tilt
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 04/23/2020. See Buy American Solutions

WARRANTY

- 5 year limited warranty
- See HLI Standard Warranty for additional information

KEY DATA	
Lumen Range	3,000–48,000
Wattage Range	25–340
Efficacy Range (LPW)	118–155
Fixture Projected Life (Hours)	L70>60K
Weights lbs. (kg)	13.5–24 (6.1–10.9)

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HUBBELL Lighting

HUBBELL Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO SERIES

AREA/SITE LIGHTER

ORDERING GUIDE

Example: RAR1-80L-25-3K7-2-UNV-ASQ-BL-NXWE-BC

CATALOG #

ORDERING INFORMATION

Series		# LEDs - Wattage		CCT/CRI		Distribution		Optics Rotation		Voltage	
RAR1	Ratio Area Size 1	80L-25	25W - 3,000 Lumens	3K7	3000K, 70 CRI	2	IES TYPE II	Blank for no rotation		UNV	Universal 120-277V
		80L-39	39W -5,200 Lumens	4K7	4000K, 70 CRI	3	IES TYPE III	L	Optic rotation left	120	120V
		80L-50	50W - 6,000 Lumens	5K7	5000K, 70 CRI	4W	IES TYPE IV	R	Optic rotation right	208	208V
		160L-70	70W - 9,000 Lumens			5QW	IES TYPE V			240	240V
		160L-100	100W - 12,000 Lumens							277	277V
		160L-115	115W - 15,000 Lumens							347	347V
		160L-135	135W - 18,000 Lumens							480	480V
RAR2	Ratio Area Size 2	320L-110	110W - 15,000 Lumens								
		320L-140	140W - 18,000 Lumens								
		320L-165	165W - 21,000 Lumens								
		480L-185	185W - 24,000 Lumens								
		480L-210	210W - 27,000 Lumens								
		480L-240	240W - 30,000 Lumens								
		480L-255	255W - 36,000 Lumens								
		480L-295	295W - 42,000 Lumens								
		480L-340	340W - 48,000 Lumens								

Mounting		Color		Control Options Network		Options	
ASQ	Arm mount for square pole/flat surface	BLT	Black Matte Textured	NXWE	NX Wireless Enabled (module + radio)	BC	Backlight control
ASQU	Universal arm mount for square pole/flat surface	BLS	Black Gloss Smooth	NXSPW_F	NX Wireless, PIR Occ. Sensor, Daylight Harvesting [4]	F	Fusing (must specify voltage)
Mounting Round Poles		DBT	Dark Bronze Matte Textured	NXSP_F	NX, PIR Occ. Sensor, Daylight Harvesting [4]	TB	Terminal block
A_	Arm mount for round pole[1]	DBS	Dark Brone Gloss Smooth	**Control Options Other**		2PF	2 power feed with 2 drivers[2]
A_U	Universal arm mount for round pole[1]	GTT	Graphite Matte Textured	SCP-40F	Programmable occupancy sensor [3]		
Mounting Other		LGS	Light Grey Gloss Smooth	7PR	7-Pin twist lock receptacle		
WB	Wall bracket	PSS	Platinum Silver Smooth	7PR-SC	7-Pin receptacle with shorting cap		
MAF	Mast arm fitter for 2-3/8" OD horizontal arm	WHT	White Matte Textured	7PR-MD40F	Low voltage sensor for 7PR		
K	Knuckle	WHS	White Gloss Smooth	7PR-TL	7-Pin PCR with photocontrol		
		VGT	Verde Green Textured	**Sensors**			
		Color Option		BTS_F	Bluetooth Programmable, PIR Occupancy/Daylight Sensor, 360° lens [4]		
		CC	Custom Color	BTSO_F	Bluetooth Programmable, PIR Occupancy/Daylight Sensor, 360° lens, up to 12' mounting height [5]		

Notes:

1. Replace "_" with "3" for 3.5"-4.13" OD pole, "4" for 4.18"-5.25" OD pole, "5" for 5.5"-6.5" OD pole
2. Not available with 25, 50, 255, 295 & 340W configurations
3. At least one SCPREMOTE required to program SCP motion sensor
4. Replace "_" with "14" for up to 14' mounting height, "40F" for 15-40' mounting height
5. Replace "_" with "12" for up to 12' mounting height

STOCK ORDERING INFORMATION

Catalog Number	Lumens	Wattage	LED Count	CCT/CRI	Voltage	Distribution	Mounting	Finish
RAR1-100-4K-3	12,000	100W	160L	4000K/70CRI	120-277V	Type 3	Square Arm	Bronze
RAR1-100-4K-4W	12,000	100W	160L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze
RAR1-135-4K-3	18,000	135W	160L	4000K/70CRI	120-277V	Type 3	Square Arm	Bronze
RAR1-135-4K-4W	18,000	135W	160L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze
RAR2-165-4K-3	21,000	165W	320L	4000K/70CRI	120-277V	Type 3	Square Arm	Bronze
RAR2-165-4K-4W	21,000	165W	320L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze

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HUBBELL Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO SERIES

AREA/SITE LIGHTER

OPTIONS AND ACCESSORIES - STOCK (ORDERED SEPARATELY)

	Catalog Number	Description
☐	**RARRPA3DB**	Round pole adapter 3.5" to 4.13" for ASQ arm, 3.5" to 4.13" OD pole, dark bronze finish
☐	**RARA3UDB**	Universal mount for square pole or round pole 3.5" to 4.13", dark bronze finish
☐	**RARBC80L**	Ratio blacklight control 80L
☐	**RARBC160L**	Ratio blacklight control 160L
☐	**RARBC320L**	Ratio blacklight control 320L
☐	**RARBC480L**	Ratio blacklight control 480L

ACCESSORIES AND REPLACEMENT PARTS - MADE TO ORDER

	Catalog Number	Description
☐	**RAR–ASQU–XX**	Universal arm mount for square pole/flat surface[2]
☐	**RAR–A_U-XX**	Universal arm mount for round poles[1,2]
☐	**RAR–RPA_–XX**	Round pole adapter[1, 2]
☐	**SETAVP-XX**	4" square pole top tenon adapter, 2 3/8" OD slipfitter[2]
☐	**RETAVP-XX**	4" round pole top tenon adapter; 2 3/8" OD slipfitter for max. Four fixtures (90o); order 4" round pole adapters separately[2]
☐	**BIRD–SPIKE–3**	Ratio size 1 bird deterrent/spikes
☐	**BIRD–SPIKE–4**	Ratio size 2 bird deterrent/spikes
☐	**RARWB–XX**	Wall bracket - use with Mast Arm Fitter or Knuckle[2]

1 Replace "_" with "3" for 3.5"-4.13" OD pole, "4" for 4.18"-5.25" OD pole, "5" for 5.5"-6.5" OD pole

2 Replace "XX" with desired color/paint finish

CONTROLS

Control Options	
Standalone	
SW7PR	SiteSync™ on fixture module via 7PR
SWUSB	SiteSync™ Software on USB
SWTAB	SiteSync™ Windows Tablet
SWBRG	SiteSync™ Wireless Bridge Node
SWFC	SiteSync™ Field Commission Serve
SCPREMOTE	Order at least one per project location to program and control
Networked – Wireless	
WIR-RME-L	wiSCAPE External Fixture Module[1,2]
NX Networked – Wireless	
NXOFM-1R1D-UNV	NX Wireless, Daylight Harvesting, BLE, 7 pin twisted lock

Notes:

1 Works with external networked photosensor

2 wiSCAPE Gateway required for system programming

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HUBBELL Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

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RATIO SERIES

AREA/SITE LIGHTER

PERFORMANCE DATA

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
RAR1	25	25.4	2	3438	135	1	0	1	3445	136	1	0	1	3240	128	1	0	1
			3	3460	136	1	0	1	3467	136	1	0	1	3260	128	1	0	1
			4W	3406	134	1	0	1	3412	134	1	0	1	3209	126	1	0	1
			5QW	3483	137	2	0	1	3490	137	2	0	1	3282	129	2	0	1
	39	39	2	5263	139	1	0	2	5273	139	1	0	2	4960	131	1	0	2
			3	5297	139	1	0	2	5308	140	1	0	2	4991	131	1	0	2
			4W	5200	137	1	0	2	5210	137	1	0	2	4900	129	1	0	2
			5QW	5333	140	3	0	1	5344	141	3	0	1	5025	132	3	0	1
	50	49.8	2	6310	127	1	0	2	6323	127	1	0	2	5946	120	1	0	2
			3	6349	128	1	0	2	6362	128	1	0	2	5983	120	1	0	2
			4W	6233	125	1	0	2	6245	126	1	0	2	5873	118	1	0	2
			5QW	6392	129	3	0	1	6405	129	3	0	1	6023	121	3	0	1
	70	68.4	2	9486	139	1	0	2	9505	139	1	0	2	8938	131	1	0	2
			3	9544	140	1	0	2	9563	140	1	0	2	8993	131	1	0	2
			4W	9395	137	1	0	2	9414	138	1	0	2	8853	129	1	0	2
			5QW	9608	140	4	0	2	9628	141	4	0	2	9054	132	4	0	2
	100	90.0	2	11976	133	2	0	2	12000	133	2	0	2	11285	125	2	0	2
			3	12050	134	2	0	2	12074	134	2	0	2	11354	126	2	0	2
			4W	11861	132	2	0	2	11885	132	2	0	2	11177	124	2	0	2
			5QW	12131	135	4	0	2	12155	135	4	0	2	11431	127	4	0	2
	115	109.7	2	15572	142	2	0	2	15494	141	2	0	2	14871	136	2	0	2
			3	15833	144	2	0	2	15754	144	2	0	2	15121	138	2	0	2
			4W	15281	139	2	0	3	15205	139	2	0	3	14623	133	2	0	3
			5QW	15732	143	4	0	2	15653	143	4	0	2	15024	137	4	0	2
	135	133.3	2	17971	135	3	0	3	17881	134	3	0	3	17163	129	3	0	3
			3	18272	137	2	0	2	18181	136	2	0	2	17450	131	2	0	2
			4W	17635	132	2	0	3	17547	132	2	0	3	16876	127	2	0	3
			5QW	18156	136	4	0	2	18065	136	4	0	2	17339	130	4	0	2

RAR2 Performance Data on next page

* Lumen values are from photometric test performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

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HUBBELL Lighting

HUBBELL Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO SERIES

AREA/SITE LIGHTER

PERFORMANCE DATA

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
RAR2	110	100.3	2	15326	153	2	0	3	15357	153	2	0	3	14442	144	2	0	3
			3	15421	154	2	0	3	15452	154	2	0	3	14531	145	2	0	3
			4W	15180	151	2	0	2	15210	152	2	0	2	14304	143	2	0	2
			5QW	15525	155	4	0	2	15556	155	4	0	2	14629	146	4	0	2
	140	133.2	2	19395	146	2	0	3	19434	146	2	0	3	18276	137	2	0	3
			3	19515	147	2	0	3	19554	147	2	0	3	18389	138	2	0	3
			4W	19210	144	2	0	3	19248	145	2	0	3	18101	136	2	0	3
			5QW	19647	148	5	0	3	19686	148	5	0	3	18513	139	5	0	3
	165	153.6	2	21651	141	3	0	3	21695	141	3	0	3	20402	133	3	0	3
			3	21785	142	3	0	3	21828	142	3	0	3	20527	134	3	0	3
			4W	21444	140	3	0	3	21487	140	3	0	3	20206	132	3	0	3
			5QW	21932	143	5	0	3	21976	143	5	0	3	20666	135	5	0	3
	185	174.5	2	26046	149	3	0	3	26098	150	3	0	3	24543	141	3	0	3
			3	26207	150	3	0	3	26259	150	3	0	3	24694	142	3	0	3
			4W	25797	148	3	0	4	25849	148	3	0	4	24308	139	3	0	4
			5QW	26384	151	5	0	3	26437	152	5	0	3	24861	143	5	0	3
	210	198.2	2	28848	145	3	0	4	28906	146	3	0	4	27184	137	3	0	4
			3	29027	146	3	0	4	29085	147	3	0	4	27351	138	3	0	4
			4W	28572	144	3	0	4	28630	144	3	0	4	26924	136	3	0	4
			5QW	29222	147	5	0	4	29281	148	5	0	4	27536	139	5	0	4
	240	226.9	2	32087	141	3	0	4	32151	142	3	0	4	30235	133	3	0	4
			3	32285	142	3	0	4	32350	143	3	0	4	30422	134	3	0	4
			4W	31780	140	3	0	4	31844	140	3	0	4	29946	132	3	0	4
			5QW	32503	143	5	0	4	32568	144	5	0	4	30627	135	5	0	4
	255	257.0	2	37040	144	3	0	4	36854	143	3	0	4	35373	138	3	0	4
			3	37660	147	3	0	4	37472	146	3	0	4	35966	140	3	0	4
			4W	36347	141	3	0	5	36166	140	3	0	5	34782	135	3	0	5
			5QW	37420	146	5	0	4	37233	145	5	0	4	35736	139	5	0	4
	295	294.0	2	41733	142	3	0	4	41524	141	3	0	4	39855	136	3	0	4
			3	42432	144	3	0	4	42220	144	3	0	4	40523	138	3	0	4
			4W	40953	139	3	0	5	40748	139	3	0	5	39190	133	3	0	5
			5QW	42162	143	5	0	4	41951	143	5	0	4	40264	137	5	0	4
	340	347.1	2	48392	139	4	0	5	48150	139	4	0	5	46215	133	4	0	5
			3	49203	142	3	0	4	48957	141	3	0	4	46989	135	3	0	4
			4W	47488	137	4	0	5	47261	136	4	0	5	45443	131	4	0	5
			5QW	48889	141	5	0	5	48645	140	5	0	5	46689	135	5	0	5

* Lumen values are from photometric test performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

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HUBBELL Lighting

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CATALOG #:

RATIO SERIES

AREA/SITE LIGHTER

ELECTRICAL DATA

# OF LEDS	Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
RAR1	25	120	0.21	25.4
		208	0.12	
		240	0.11	
		277	0.09	
	39	120	0.32	38.0
		208	0.18	
		240	0.16	
		277	0.14	
		347	0.11	
		480	0.08	
	50	120	0.42	49.8
		208	0.24	
		240	0.21	
		277	0.18	
	70	120	0.57	68.4
		208	0.33	
		240	0.29	
		277	0.25	
	100	120	0.75	90.0
		208	0.43	
		240	0.38	
		277	0.32	
	115	120	0.91	109.7
		208	0.53	
		240	0.46	
		277	0.40	
		347	0.32	
		480	0.23	
	135	120	1.11	133.3
		208	0.64	
		240	0.56	
		277	0.48	
		347	0.38	
		480	0.28	

# OF LEDS	Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
RAR2	110	120	0.84	100.3
		208	0.48	
		240	0.42	
		277	0.36	
	140	120	1.11	133.2
		208	0.64	
		240	0.56	
		277	0.48	
	165	120	1.28	153.6
		208	0.74	
		240	0.64	
		277	0.55	
	185	120	1.45	174.5
		208	0.84	
		240	0.73	
		277	0.63	
	210	120	1.65	198.3
		208	0.95	
		240	0.83	
		277	0.72	
	240	120	1.89	226.9
		208	1.09	
		240	0.95	
		277	0.82	
	255	120	2.14	257.0
		208	1.24	
		240	1.07	
		277	0.93	
		347	0.74	
		480	0.54	
	295	120	2.45	294.0
		208	1.41	
		240	1.23	
		277	1.06	
		347	0.85	
		480	0.61	
	340	120	2.89	347.1
		208	1.67	
		240	1.45	
		277	1.25	
		347	1.00	
		480	0.72	

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

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

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

PROJECTED LUMEN MAINTENANCE

Ambient Temperature	OPERATING HOURS					
	0	25,000	TM-21-11 L90 36,000	50,000	100,000	L70 (Hours)
25°C / 77°F	1.00	0.97	0.95	0.93	0.86	238,000
40°C / 104°F	0.99	0.96	0.95	0.93	0.85	225,000

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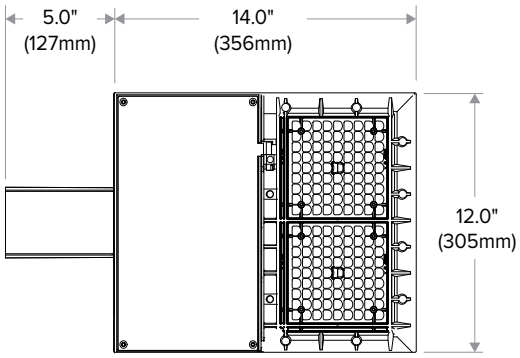
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RATIO SERIES

AREA/SITE LIGHTER

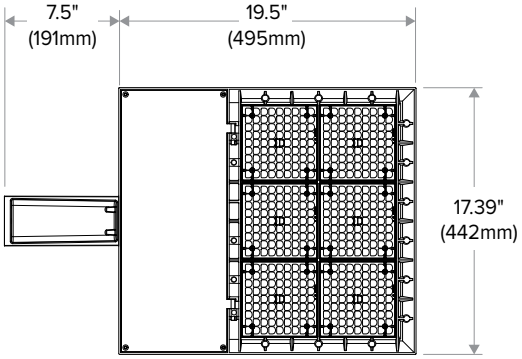
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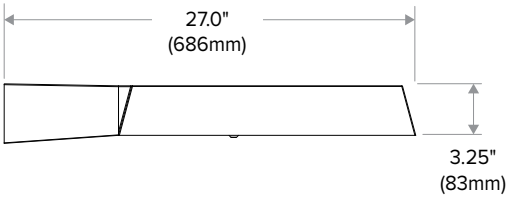
RAR1





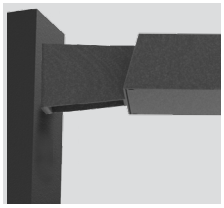
RAR2



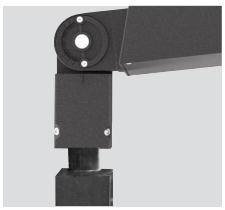


ADDITIONAL INFORMATION

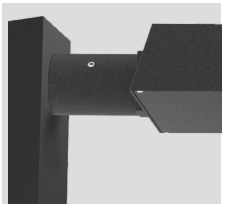
MOUNTING



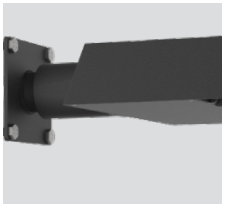
Arm Mount – Fixture ships with integral arm for ease of installation. Compatible with Hubbell Outdoor B3 drill pattern.



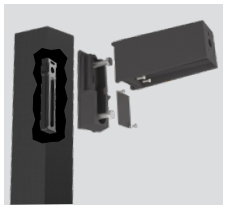
Knuckle – Knuckle mount 15° aiming angle increments for precise aiming and control, fits 2-3/8" tenons or pipes.



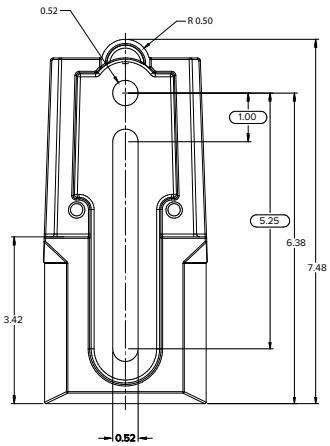
MAF – Fits 2-3/8" OD arms Roadway applications.



Wall Mount – Wall mount bracket designed for building mount applications.



Universal Mounting – Universal mounting block for ease of installation. Compatible with drill patterns from 2.5" to 4.5"



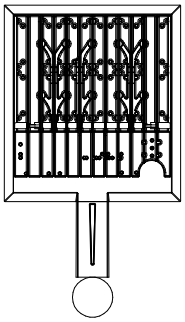
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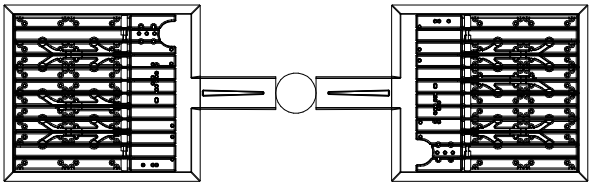
RATIO SERIES

AREA/SITE LIGHTER

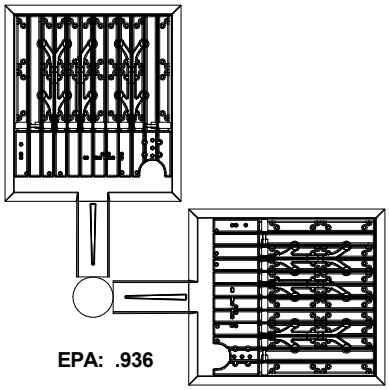
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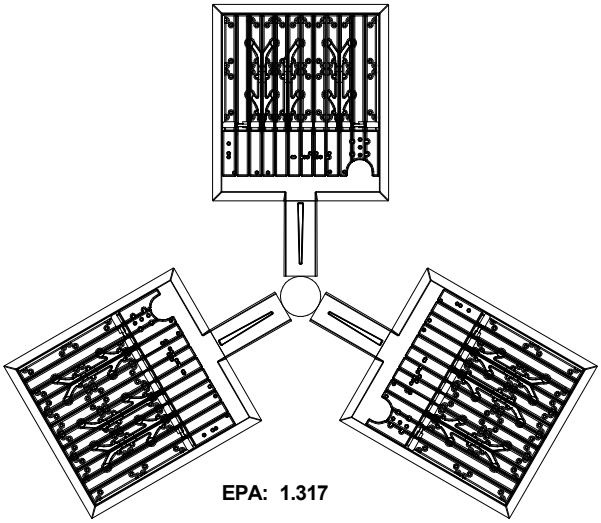
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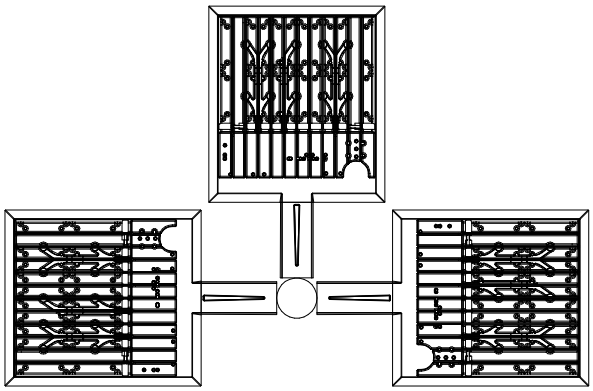
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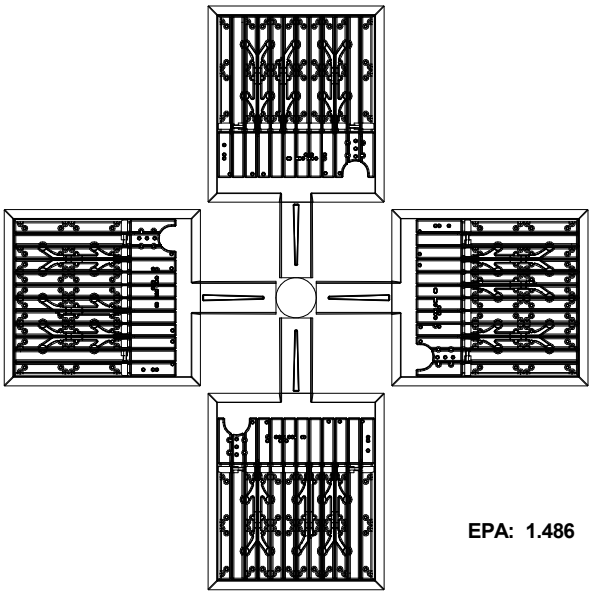
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EPA: 1.317



EPA: 1.486



EPA: 1.486

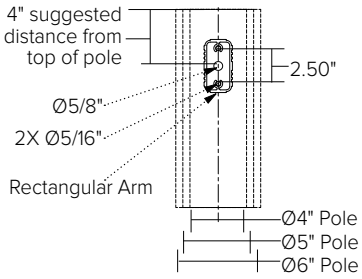
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RATIO SERIES

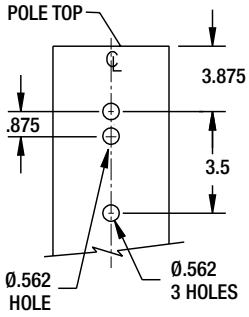
AREA/SITE LIGHTER

ADDITIONAL INFORMATION (CONT'D)

ARM MOUNT (ASQ)
Compatible with Pole drill pattern B3



UNIVERSAL MOUNTING (ASQU)
Compatible with pole drill pattern S2



SITESYNC 7-PIN MODULE



SW7PR

SiteSync LIGHTING CONTROL

- SiteSync features in a new form
- Available as an accessory for new construction or retrofit applications (with existing 7-Pin receptacle)

PROGRAMMED CONTROLS

ADD-AutoDim Timer Based Options

- Light delay options from 1-9 hours after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1-9 hours after the light has been dimmed previously.

EX: ADD-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	1-9 Hours	6
Auto-Dim Brightness	0-9% Brightness	5
Auto-Dim Return	Delay 0-9 Hours	R6

ADT-AutoDim Time of Day Based Option

- Light delay options from 1AM-9PM after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1AM-9PM after the light has been dimmed previously.

EX: ADT-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	12-3 AM and 6-11 PM	6
Auto-Dim Brightness	0-9% Brightness	5
Auto-Dim Return	12-6 AM and 9-11P	R6

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DATE: LOCATION:

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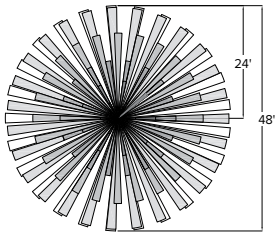
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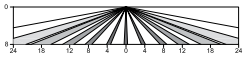
RATIO SERIES

AREA/SITE LIGHTER

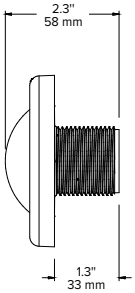
ADDITIONAL INFORMATION (CONT'D)

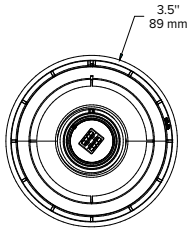
NXSP-14F



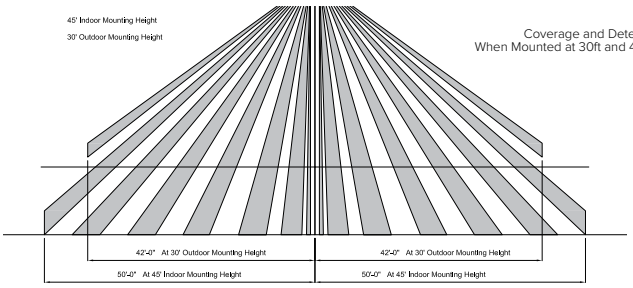


Sensor Lens Coverage and Detection Patterns
When Mounted at 8ft with Low Mount Lens

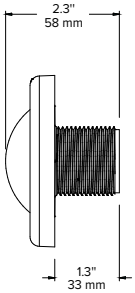


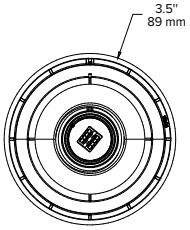


NXSP-30F

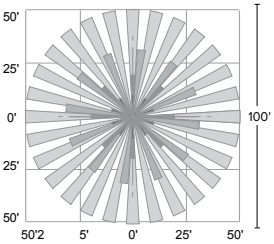


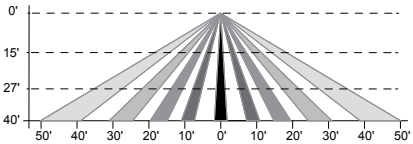
Coverage and Detection Patterns
When Mounted at 30ft and 45ft with Standard Lens

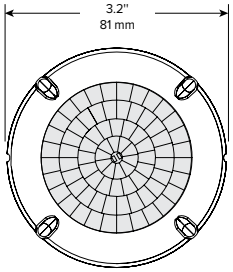


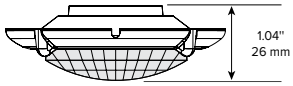


SCP-40F









RAR1 EPA

RAR-1	
EPA at 0˚	EPA at 30˚
.45ft.^{2} .13m^2	.56ft.^{2} .17m^2

RAR2 EPA

RAR-2	
EPA at 0˚	EPA at 30˚
.55ft.^{2} .17m^2	1.48ft.^{2} .45m^2

SHIPPING

Catalog Number	G.W(kg)/ CTN	Carton Dimensions		
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)
RAR1	15 (6.8)	20.75 (52.7)	15.125 (38.4)	6.9375 (17.6)
RAR2	19 (8.6)	25 (63.5)	15.125 (38.4)	6.9375 (17.6)

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HUBBELL Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

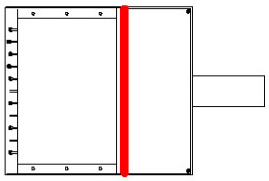
RATIO SERIES

AREA/SITE LIGHTER

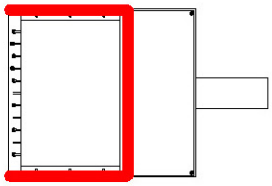
ADDITIONAL INFORMATION (CONT'D)

RATIO HOUSE SIDE SHIELD

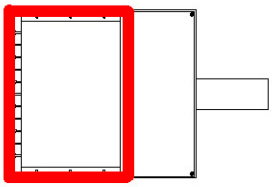
RARx HSS-90-B-xx



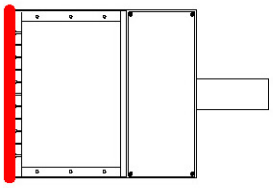
RARx HSS-270-BSS-xx



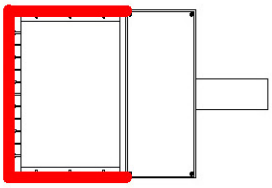
RARx HSS-360-xx



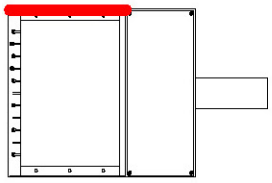
RARx HSS-90-F-xx



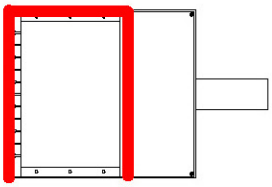
RARx HSS-270-FSS-xx



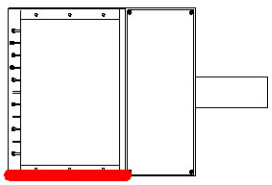
RARx HSS-90-S-xx



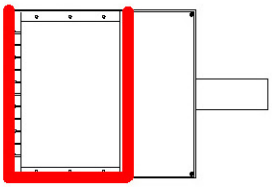
RARx HSS-270-FSB-xx



RARx HSS-90-S-xx



RARx HSS-270-FSB-xx



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Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO Wall

RWL1/RWL2 LED WALLPACK

FEATURES

- Low profile LED wall luminaire with a variety of IES distributions for lighting applications such as retail, commercial and industrial building mount
- Featuring Micro Strike Optics which maximizes target zone illumination with minimal losses at the house-side, reducing light trespass issues
- Visual comfort standard
- Control options including photo control, occupancy sensing, NX Distributed Intelligence™, Wiscape and 7-Pin with networked controls
- Battery Backup options available for emergency code compliance
- Quick-mount adapter allows easy installation/maintenance
- 347V and 480V versions for industrial applications and Canada
- Stock versions available in 3500lm and 5500lm configurations at 4000K

C US

BUY AMERICAN SOLUTIONS
See Certification Specifications

DLC QPL LISTED

DLC QPL LISTED PREMIUM



RELATED PRODUCTS

Ratio Family | Ratio Area | Ratio Flood

CONTROL TECHNOLOGY

SiteSync Lighting Control | NX DISTRIBUTED INTELLIGENCE™ | wiSCAPE™

SPECIFICATIONS

CONSTRUCTION

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

OPTICS

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

INSTALLATION

- Quick-mount adapter provides easy installation to wall or to recessed junction boxes (4" square junction box)
- Designed for direct j-box mount.
- Integral back box contains 1/2" conduit hubs
- Integral back box standard with Dual Driver, Dual Power Feed, NX, Wiscape and battery versions (battery versions for RWL1 only)

ELECTRICAL

- 120V-277V universal voltage 50/60Hz 0-10V dimming drivers
- 347V and 480V dimmable driver option for all wattages above 35W.

ELECTRICAL (CONTINUED)

- Ambient operating temperature -40˚C to 40˚C
- Drivers have greater than .90 power factor and less than 20% Total Harmonic Distortion
- Driver RoHS and IP66
- Field replaceable surge protection device provides 20kA protection meeting ANSI/IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device is compromised
- Dimming drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than 6" standard.

CONTROLS

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

CONTROLS (CONTINUED)

- Dual Driver and Dual Power Feed options creates product configuration with 2 internal drivers for code compliance
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application.

CERTIFICATIONS

- Listed to UL1598 and CSAC22.2#250.0-24 for wet locations
- IP65 rated housing
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 04/23/2020. See Buy American Solutions
- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Please refer to the DLC website for specific product qualifications at www.designlights.org

WARRANTY

- 5 year limited warranty
- See HLI Standard Warranty for additional information

KEY DATA	
Lumen Range	1,300–18,800
Wattage Range	10–155
Efficacy Range (LPW)	119–148
Fixture Projected Life (Hours)	L70>60K
Weights lbs. (kg)	6.5/16.5 (2.9/7.5)

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DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO WALL

RWL1/RWL2 LED WALLPACK

ORDERING GUIDE

Example: RWL1–48L-10–3K7–2–UNV–BLS–E

CATALOG #

ORDERING INFORMATION

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

Control Options Network	
NXWE	NX Wireless Enabled (module + radio)[4,7]
NXSPW_F	NX Wireless, PIR Occ. Sensor, Daylight Harvesting[4,5,7]
NXSP_F	NX, PIR Occ. Sensor, Daylight Harvesting[4,5,7]
WIR	Wireless Controls, wiSCAPE™ [2,6]
Stand Alone Sensors	
SCP-8F	Remote control programmable line voltage sensor[3,4]
SCP-20F	Remote control programmable line voltage sensor[3,4]
BTS-14F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor [10]
BTS-40F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor [10]
BTSO-12F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor, up to 12'mounting height [10]
Control Options	
7PR_	7-Pin Receptacle[6]

Options*	
F	Fusing[3]
E	Emergency Battery Backup[7,8,9]
EH	Emergency Battery w/ Heater Option[7,8]
2DR	Dual Driver[4,6,11]
2PF	Dual Power Feed[4,6,11]
PC	Button Photocontrol[8]

Notes:
1 Only available with RWL2
2 wiSCAPE Gateway required for system programming
3 Specific voltage selection is required
4 Not available with 347/480V
5 Replace "_" with "14" for up to 14' mounting height, "40" for up to 40' mounting height
6 This item is located in the integral backbox which will be automatically added onto the fixture if chosen.
7 This item is located in the integral backbox for RWL1 configurations only.
8 Option only available at 120 or 277V
9 2DR and 2PF can't be combined with E and EH due to space limitaions
10 Not available in RWL1 or 2 PF
11 Available only in UNV in 25, 35 and 45 Watt in RWL1; Not available in RWL1 10, 15 and 25 Watt.
* Based on space limitations, some options may not be able to be combined

STOCK ORDERING INFORMATION

Catalog Number	Lumens	Wattage	LED Count	CCT/CRI	Voltage	Distribution	Finish
RWL1-48L-25-4K-3	3500lm	25	48L	4000K/70CRI	120-277V	Type III	Dark Bronze Textured
RWL1-48L-25-4K-4W	3500lm	25	48L	4000K/70CRI	120-277V	Type IV Wide	Dark Bronze Textured
RWL1-48L-45-4K-3	5500lm	45	48L	4000K/70CRI	120-277V	Type III	Dark Bronze Textured
RWL1-48L-45-4K-4W	5500lm	45	48L	4000K/70CRI	120-277V	Type IV Wide	Dark Bronze Textured

CONTROLS

Control Options	
Standalone	
SCPREMOTE	Order at least one per project location to program and control

ACCESSORIES AND REPLACEMENT PARTS - MADE TO ORDER

Catalog Number	Description
WP-BB-XXX	Accessory for conduit entry[1]

Notes:
1 replace "xxx" with color option

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DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO WALL

RWL1/RWL2 LED WALLPACK

PERFORMANCE DATA

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

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DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO WALL

RWL1/RWL2 LED WALLPACK

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

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

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

PROJECTED LUMEN MAINTENANCE

Ambient Temperature	OPERATING HOURS					
	0	25,000	TM-21-11 L90 36,000	50,000	100,000	L70 (Hours)
25°C / 77°F	1.00	0.97	0.96	0.95	0.91	408,000
40°C / 104°F	0.99	0.96	0.95	0.94	0.89	356,000

ELECTRICAL DATA

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

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

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DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

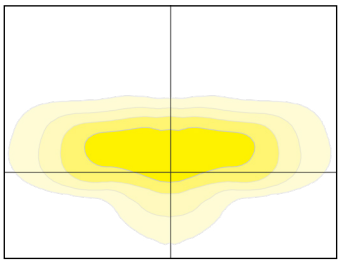
RATIO WALL

RWL1/RWL2 LED WALLPACK

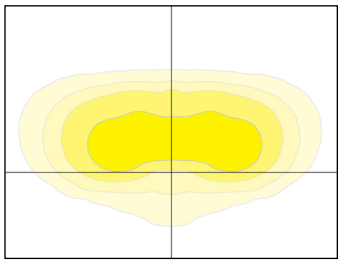
PHOTOMETRY

Mounting Height: 30ft

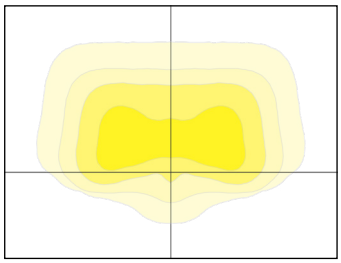
Type II



Type III

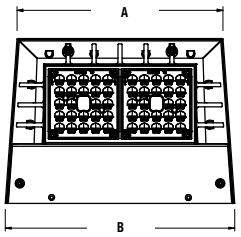


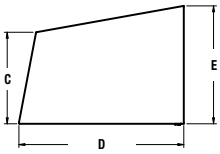
Type VI



DIMENSIONS

RWL1

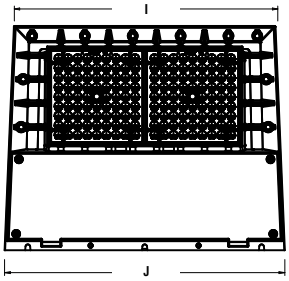


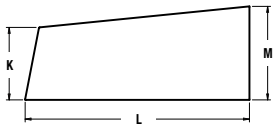


A	B	C	D	E
8.7"	9.7"	3.9"	7.0"	5.0"
221mm	246mm	99mm	178mm	127mm

Weight
6.5 lbs (2.95 kgs)

RWL2

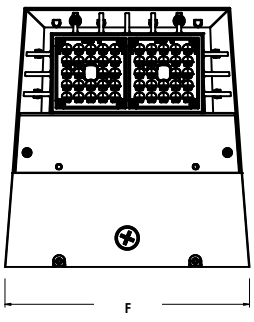


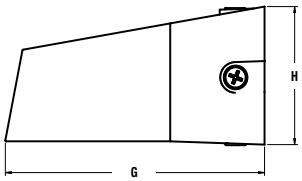


I	J	K	L	M
14.0"	15.0"	3.9"	12.0"	5.0"
356mm	381mm	99mm	305mm	127mm

Weight
16.5 lbs (7.48 kgs)

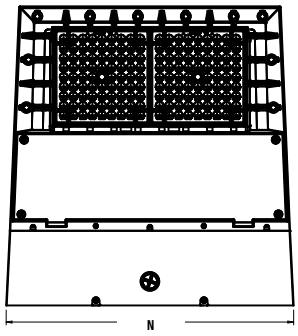
RWL1 with Integral Back Box

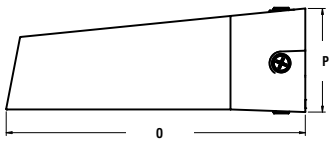




F	G	H
10.4"	11.0"	5.9"
264mm	279mm	150mm

RWL2 with Integral Back Box





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

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DATE: LOCATION:

TYPE: PROJECT:

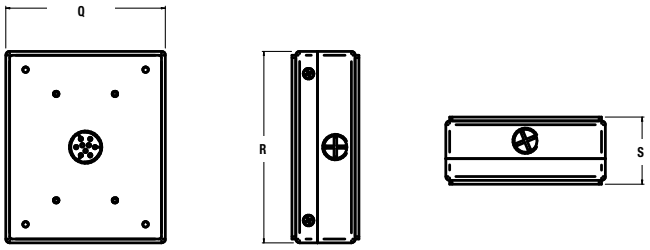
CATALOG #:

RATIO WALL

RWL1/RWL2 LED WALLPACK

DIMENSIONS (CONTINUED)

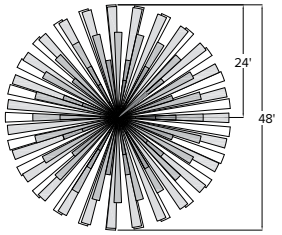
Back Box Accessory

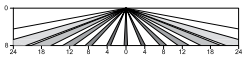


Q	R	S
4.9" 124mm	5.9" 150mm	2.1" 53mm

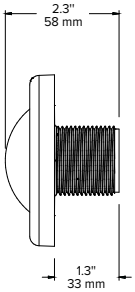
ADDITIONAL INFORMATION

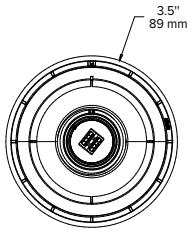
NXSP-14F



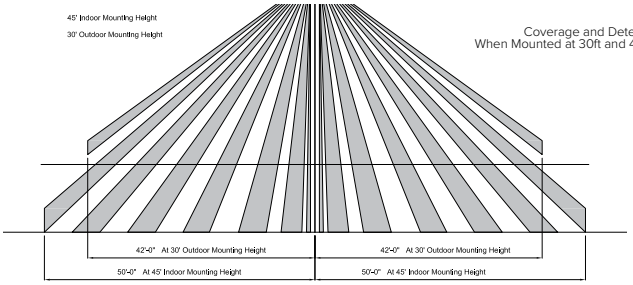


Sensor Lens Coverage and Detection Patterns
When Mounted at 8ft with Low Mount Lens

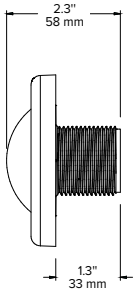


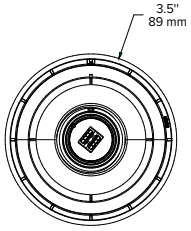


NXSP-40F

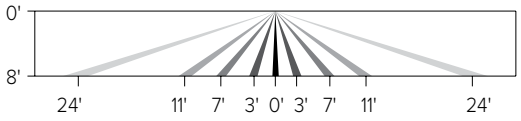


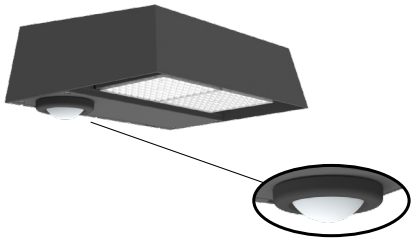
Coverage and Detection Patterns
When Mounted at 30ft and 45ft with Standard Lens

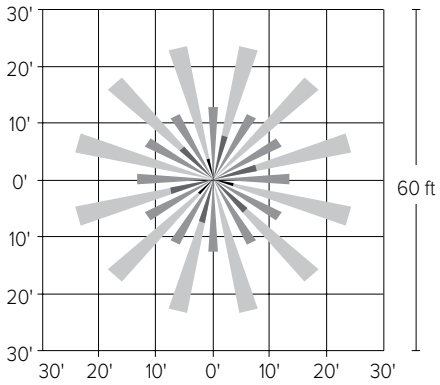


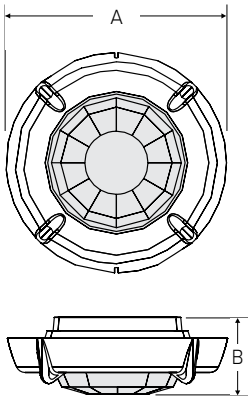


SCP-8F









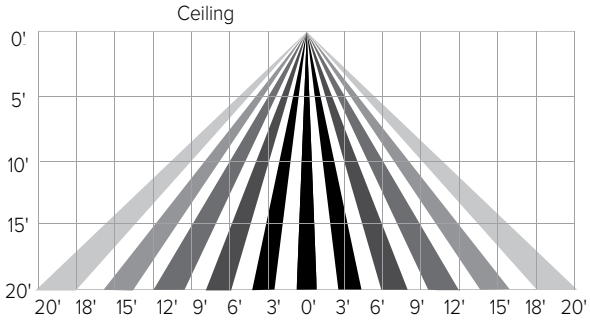
A	B
2.3" (59mm)	.8" (20mm)

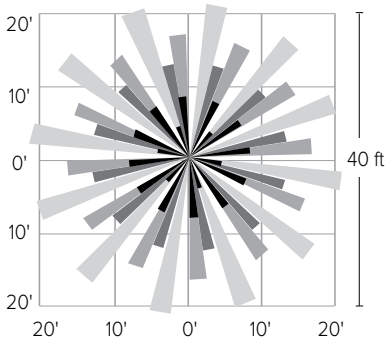
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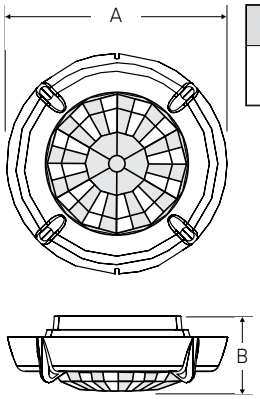
RATIO WALL

RWL1/RWL2 LED WALLPACK

SCP-20F

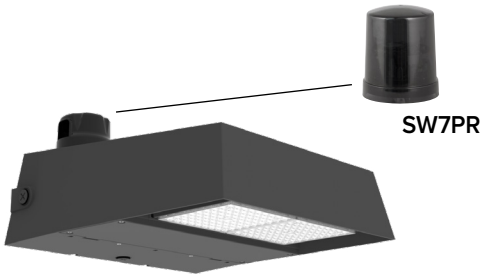






A	B
2.3" (59mm)	.8" (20mm)

SITESYNC 7-PIN MODULE



SW7PR

SiteSync™ LIGHTING CONTROL

- SiteSync features in a new form
- Available as an accessory for new construction or retrofit applications (with existing 7-Pin receptacle)

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MJDII Architects, Inc.

16775 Addison Road, Suite 310
Addison, Texas 75001
Tel: (972) 866-8600
Fax: (972) 866-8601
E-Mail: MJDII@MJDII.com

Memorandum

To City of Rockwall, Texas, Planning and Zoning Department

From Brent T. Northington – MJDII Architects, Inc.

Re SPR Distribution Center – Variance Request Letter

Date 19 August 2022

Project SPR Distribution Center

Copies

City of Rockwall Planning and Zoning Staff:

Per our in-person meeting held at your office on 7/28/2022, and a phone conversation with Mr. Ryan Miller (Director of Planning) on 8/11/2022, it is our understanding that there are no known variances being requested at this time.

Pending review comments by City of Rockwall Planning and Zoning staff of our Site Plan Submittal Package submitted on 8/19/2022, variances may be requested at a later date, once we are made aware of which variances need to be requested, if any.

Sincerely,



Brent T. Northington
Project Architect
MJDII Architects, Inc.

PROJECT COMMENTS

CITY OF ROCKWALL
385 S. GOLIAD STREET
ROCKWALL, TEXAS 75087
PHONE: (972) 771-7700

DATE: 8/26/2022

PROJECT NUMBER:	SP2022-047	CASE MANAGER:	Henry Lee
PROJECT NAME:	Site Plan for SPR Packaging	CASE MANAGER PHONE:	972.772.6434
SITE ADDRESS/LOCATIONS:	1200 E WASHINGTON ST	CASE MANAGER EMAIL:	hlee@rockwall.com

CASE CAPTION: Discuss and consider a request by Arlyn Samuelson of Westwood Professional Services on behalf of Carolina Molina of Alvaplast US, Inc. for the approval of a Site Plan for an Industrial Building on a 43.00-acre parcel of land identified as Lot 2, Block 1, Indalloy Addition, City of Rockwall, Rockwall County, Texas, zoned Light Industrial (LI) District, addressed as 1200 E. Washington Street and 501 Industrial Boulevard, and take any action necessary.

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
PLANNING	Henry Lee	08/26/2022	Needs Review

08/26/2022: Please address the following comments (M= Mandatory Comments; I = Informational Comments)

I.1 This is a request for the approval of a Site Plan for an Industrial Building on a 43.00-acre parcel of land identified as Lot 2, Block 1, Indalloy Addition, City of Rockwall, Rockwall County, Texas, zoned Light Industrial (LI) District, addressed as 1200 E. Washington Street and 501 Industrial Boulevard.

I.2 For questions or comments concerning this case please contact Henry Lee in the Planning Department at (972) 772-6434 or email hlee@rockwall.com.

M.3 For reference, include the case number (SP2022-047) in the lower right-hand corner of all pages of all revised plan submittals. (Subsection 01.02(D), Article 11, UDC)

I.4 This project is subject to all requirements stipulated by the Unified Development Code (UDC), the General Industrial District Standards, and the Development Standards of Article 05, that are applicable to the subject property.

M.5 Site Plan:

1. Please label the fire lanes as Fire Lane, Access, and Utility Easement. (Subsection 03.04. B, of Article 11)
2. The parking requirement is 1 per 1,000 SF for warehousing and 1 per 300 SF for office. In this case you need 180 parking spaces. This exeption must be included in a variance letter. Consider showing the future parking to be added with any expansions. (Table 5, Article 06)
3. The existing chain link fencing may remain, but it shall not be replaced. Is there any new fencing? (Subsection 08.02. F, of Article 08)
4. Is there any ground mounted utility equipment? (Subsection 01.05. C, of Article 05)
5. Indicate the RTU's and crosshatch them on the building elevations; they must be completely screened. (Subsection 01.05. C, of Article 05)
6. Are there any above ground storage tanks? If so, indicate the subsequent screening. (Subsection 01.05. D, of Article 05)
7. Is there any outside storage? If so, it must be indicated on the site plan along with the subsequent screening. (Subsection 05.02, of Article 08)
8. Dumpster Screening. Trash/Recycling enclosures shall be four (4) sided. These receptacles shall be screened by a minimum six (6) foot, solid masonry dumpster enclosure that utilizes the same masonry materials as the primary building and incorporates an opaque, self-latching gate. The minimum enclosure area shall be 12'x10'. A minimum of 6" bollards will be required at potential impact zones and the pad site shall be paved to city standards. 5-gallon evergreen shrubs must be planted around the enclosure. (Subsection 01.05. B, of Article 05)
9. The landscape buffer adjacent to the residential must be 50-feet. (Subsection 01.06, of Article 05)

M.6 Landscape Plan:
1. Provide the impervious vs. landscaped area within the site data table. (Subsection 01.01. B, of Article 05)
2. Within the landscape table provide the quantities of each plant and the size. Canopy trees must be 4 caliper inches, accent trees must be 4-feet tall, and shrubs must be 5 gallons. (Subsection 05.03. B, of Article 05)
3. Provide the required detention landscaping. There must be 1 canopy tree per 750 SF and 1 accent tree per 1,500 SF. In this case there should be 83 canopy trees and 42 accent trees. (Subsection 05.03. B, of Article 05)

M.7 Treescape Plan:
1. Provide the same site data information required in Section 2.1 Site Plan: Miscellaneous and Density and Dimensional Requirements of this checklist. (See Section 2.1 of this checklist)
2. The tree mitigation balance is 276 caliper inches. After the tree preservation credit and the new trees planted on site the remaining mitigation balance is 150 caliper inches. Per the mitigation requirements a minimum of 196 caliper inches must be replanted and the remaining 49 caliper inches may be purchased at $100.00 per inch. That being said, once the detention landscaping is added the mitigation balance will be zero (Subsection 03.01. G, of Article 09)

M.8 Photometric Plan:
1. Provide the same site data information required in Section 2.1 Site Plan: Miscellaneous and Density and Dimensional Requirements of this checklist. (Section 2.1 of this checklist)
2. The maximum foot-candles cannot exceed 20 FC and the maximum foot-candles at all property lines must not exceed 0.2 FC. In this case, the 0.2 FC requirement is exceeded along the north property line near the secondary entry. (Subsection 03.03. G, of Article 07)

M.9 Building Elevations:
1. Exterior walls should consist of 90% masonry materials and 20% stone excluding doors and windows. In this case this would be two (2) exceptions to be included in the variance letter. (Subsection 05.01.C .1 of Article 05)
2. Please provide a note indicating that the parapet will be finished on both sides with the same material as the exterior facing wall. (Subsection 04.01, of Article 05)
3. An exception for tilt wall construction will need to be included in the variance letter. (Subsection 05.01.C .1 of Article 05)
4. The building does not meet the wall length requirements for both primary and secondary facades. This will be a requested exception to the horizontal articulation requirements. (Subsection 05.01.C .1 of Article 05)
5. Please crosshatch the roof mounted utility equipment. (Subsection 01.05. C, of Article 05)

I.10 Staff has identified the following exceptions associated with the proposed request: [1] parking requirements, [2] tilt wall construction, [3] less than 90% masonry, [4] less than 20% stone, and [5] primary and secondary façade articulation. Should you decide to request these items as exceptions, please provide a letter that lists the exceptions, why they are being requested, and the subsequent compensatory measures. For each exception requested you must provide two (2) compensatory measures (Subsection 09.01, of Article 11). Examples of compensatory measures include the increased use of masonry material or stone, increased articulation, increased architectural elements, more pedestrian amenity, enhanced landscaping, etc.

I.11 Please note that failure to address all comments provided by staff by 3:00 PM on September 7, 2022 will result in the automatic denial of the case on the grounds of an incomplete submittal. No refund will be given for cases that are denied due to an incomplete submittal, and a new application and fee will be required to resubmit the case.

I.12 Staff has identified the aforementioned items necessary to continue the submittal process. Please make these revisions and corrections, and provide any additional information that is requested. Revisions for this case will be due on September 7, 2022; however, it is encouraged for applicants to submit revisions as soon as possible to give staff ample time to review the case prior to the September 13, 2022 Planning & Zoning Meeting.

I.13 Please note the scheduled meetings for this case:
1) Planning & Zoning Work Session meeting will be held on August 30, 2022.
2) Planning & Zoning meeting/public hearing meeting will be held on September 13, 2022.

I.14 All meetings will be held in person and in the City’s Council Chambers. All meetings listed above are scheduled to begin at 6:00 p.m. (P&Z). The City prefers that a

representative(s) be present for these meetings. During the upcoming work session meeting with the Planning and Zoning Commission, representative(s) are expected to present their case and answer any questions the Planning Commission may have regarding this request.

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
ENGINEERING	Sarah Johnston	08/25/2022	Needs Review

08/25/2022: - Zoning case currently in process shows connection to Airport through lot to north. Communicate with them regarding the drive isle to Airport Rd.
- Will possibly need an off-site drainage easement from adjacent property owner to discharge detention drainage. Depends on location of outfall.
- Are you removing ex. water line? Can build on top of an easement.
- Min 8" line for fire hydrant lead over 50'.
- Parking adjacent to building is 20'x9' min.
- Is the existing hydrant proposed to be removed? May not be on a manhole.
- No trees within 5' of existing sewer.
- 328' exceeds maximum hydrant lead length.
- Need all fire hydrant to have 5' clearance around including parking space.

The following items are informational for the engineering design process.
General Items:
- Must meet City Standards of Design and Construction
- 4% Engineering Inspection Fees
- Impact Fees
- Minimum easement width is 20' for new easements. No structures allowed in easements.
- Retaining walls 3' and over must be engineered.
- All retaining walls must be rock or stone face. No smooth concrete walls.
- Must plat the property.

Roadway Paving Items:
- Parking to be 20'x9' facing the building or nose-to-nose.
- No dead-end parking allowed, must have a City approved turnaround.
- Drive isles to be 24' wide.
- Fire lane to have 20' min radius if buildings are less than 30' tall. If any of the buildings are 30' or more, the fire lane will be 30' radius minimum. - Fire lane to be in a platted easement.
- Traffic Impact Analysis required if access to Washington is not gated. Review fees apply.

Water and Wastewater Items:
- All public water and sewer must be centered in a minimum of 20' easement including all appurtenances.
- Any water lines must be a minimum of 8", looped, and must be centered in a 20' wide easement. (Meet City of Rockwall Standards of Design and Construction)

Drainage Items:
- Detention is required.
- Areas of 20 acres or more draining to a single detention pond must use the unit hydrograph method. Review fees apply.
- Detention outfall must be at sheet flow conditions when storm water crosses the property line.
- Manning's C-value is per zoning type.
-Existing storm sewer and drainage system will have to be reviewed to ensure system can handle proposed drainage.
- Dumpster areas to drain to oil/water separator and then to the storm lines.

Landscaping:
- No trees to be with 10' of any public water, sewer or storm line that is 10" in diameter or larger.
- No trees to be with 5' of any public water, sewer, or storm line that is less than 10".

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
BUILDING	Rusty McDowell	08/24/2022	Approved

No Comments

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
FIRE	Ariana Kistner	08/24/2022	Approved w/ Comments

08/24/2022: FDC shall be facing and visible from the fire lane.
FDC must be within 100 feet of a fire hydrant.
The FDC shall be clear and unobstructed with a minimum of a 5-feet clear all-weather path from fire lane access

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
GIS	Lance Singleton	08/22/2022	Approved

No Comments

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
POLICE	Chris Cleveland	08/23/2022	Approved

No Comments

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
PARKS	Travis Sales	08/22/2022	Approved w/ Comments

08/22/2022: Tree mitigation approved
Landscape Plan
Live Oak must be 4" caliper minimum

Zoning case currently in process shows connection to Airport through lot to north.

Need coordination with property to the north for sewer connection. Need to show sewer easement through the site

Will possibly need an off-site drainage easement from adjacent property owner to discharge detention drainage. Depends on location of outfall

Remove "force main"

Are you removing ex. water line? Can build on top of an easement

Min 8" for fire hydrant lead over 50'

Need all fire hydrant to have 5' clearance around including parking space

Is the existing hydrant proposed to be removed? May not be on a manhole.

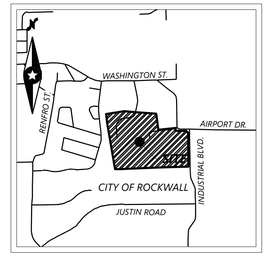
What is this?

No trees within 5' of existing sewer

Exceeds maximum hydrant lead length.

VICINITY MAP

(NOT TO SCALE)



General Items:
- Must meet City Standards of Design and Construction
- 4% Engineering Inspection Fees
- Impact Fees
- Minimum easement width is 20' for new easements. No structures allowed in easements.
- Retaining walls 3' and over must be engineered.
- All retaining walls must be rock or stone face. No smooth concrete walls.
- Must plat the property.

Roadway Paving Items:
- Parking to be 20'x9' facing the building or nose-to-nose.
- No dead-end parking allowed, must have a City approved turnaround.
- Drive isles to be 24' wide.
- Fire lane to have 20' min radius if buildings are less than 30' tall. If any of the buildings are 30' or more, the fire lane will be 30' radius minimum. - Fire lane to be in a platted easement.
- Traffic Impact Analysis required if access to Washington is not gated. Review fees apply.

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PARKING
THE MINIMUM PARKING REQUIRED FOR A WAREHOUSE DISTRIBUTION CENTER IS TO BE "AS DETERMINED BY THE DIRECTOR" (PER CITY OF ROCKWALL UNIFIED DEVELOPMENT CODE, ARTICLE 06 "PARKING AND LOADING," TABLE 5 "PARKING REQUIREMENT SCHEDULE," UNDER THE CATEGORY "INDUSTRIAL AND MANUFACTURING LAND USES").
PARKING COUNTS
NUMBER OF EMPLOYEES IN 1ST SHIFT: 25
NUMBER OF EMPLOYEES IN 2ND SHIFT: 20
NUMBER OF DAILY VISITORS: 03
TOTAL PARKING SPACES NEEDED = 48
TOTAL PARKING SPACES PROVIDED = 50
ACCESSIBLE PARKING
PER CITY OF ROCKWALL UNIFIED DEVELOPMENT CODE, ARTICLE 06 "PARKING AND LOADING," SECTION 05.04 "HANDICAPPED PARKING":

TOTAL REQUIRED PARKING IN LOT:	REQUIRED NUMBER OF HANDICAPPED SPACES:
51-75	3
76-100	4

THIS PROJECT PROVIDES 4 ACCESSIBLE PARKING SPACES, WITHIN A TOTAL OF 50 PARKING SPACES PROVIDED.

SITE DATA SUMMARY TABLE	
ITEM	LOT 1, BLOCK A
SITE DATA	
ROM ZONING MAP)	LIGHT INDUSTRIAL (LI)
	WAREHOUSE W/OFFICE
(SQUARE FEET)	1,873,685
(ACRES)	43.0139
FOOTPRINT AREA (SF) - PROPOSED	153,560
HEIGHT (#/STORIES)	1
HEIGHT (FT-DIST TO TALLEST ELEMENT)	50'-4"
ERAGE (%)	8.20%
REA RATIO (XXX:1)	0.08

URE BLOCK

TIFY THAT THE ABOVE AND FOREGOING SITE PLAN FOR A DEVELOPMENT IN ROCKWALL, TEXAS, WAS APPROVED BY THE PLANNING & ZONING COMMISSION OF ROCKWALL ON _____

DS, _____

NG COMMISSION, CHAIRMAN | DIRECTOR OF PLANNING AND ZONING

SITE PLAN
SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # XXXXX
SUBMITTED AUGUST 19, 2022

SPR DISTRIBUTION CENTER

DESIGNED:
CHECKED:
DRAWN:
HORIZONTAL SCALE:
VERTICAL SCALE:

INITIAL ISSUE: XX/XX/XX
REVISIONS:

PREPARED FOR:

SPR PACKAGING
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

PRELIMINARY
FOR INTERIM REVIEW ONLY
NOT TO BE USED FOR:
CONSTRUCTION OR
BIDDING PURPOSES.
Engineer: RYAN W SAMELSON PE
P.E. No.: 95877
Date: 08/19/2022
Westwood

SPR DISTRIBUTION CENTER
ROCKWALL, TEXAS

Westwood
Phone (214) 473-4640 | 2901 Dallas Parkway, Suite 400
Toll Free (888) 937-5150 | Plano, TX 75093
westwoodps.com
Westwood Professional Services, Inc.
TBPE FIRM REGISTRATION NO. F-11756
TBPLS FIRM REGISTRATION NO. 10074301

SITE PLAN

PROJECT NUMBER: 0036677.00

SHEET NUMBER: 1.00

DATE: 08/19/22

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	1480 Justin Road				
SUBDIVISION	Indalloy Addition	LOT	2	BLOCK	1
GENERAL LOCATION	Approx. 700 feet south of E. Washington St. and 450 feet west of Airport Rd.				

ZONING, SITE PLAN AND PLATTING INFORMATION [PLEASE PRINT]

CURRENT ZONING	Light Industrial (LI)	CURRENT USE	Unoccupied Industrial Building		
PROPOSED ZONING	No Change	PROPOSED USE	Industrial Distribution Center		
ACREAGE	43.0	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 U.S., Inc.	☐ APPLICANT	Westwood Professional Services
CONTACT PERSON	Carolina Molina	CONTACT PERSON	Arlyn Samuelson
ADDRESS	1480 Justin Road	ADDRESS	2901 Dallas Parkway, Suite 400
CITY, STATE & ZIP	Rockwall, Texas 75087	CITY, STATE & ZIP	Plano, Texas 75093
PHONE	469-402-1232	PHONE	972-265-4860
E-MAIL	cmolina@sprpackaging.com	E-MAIL	asamuelson@westwoodps.com

NOTARY VERIFICATION [REQUIRED]

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

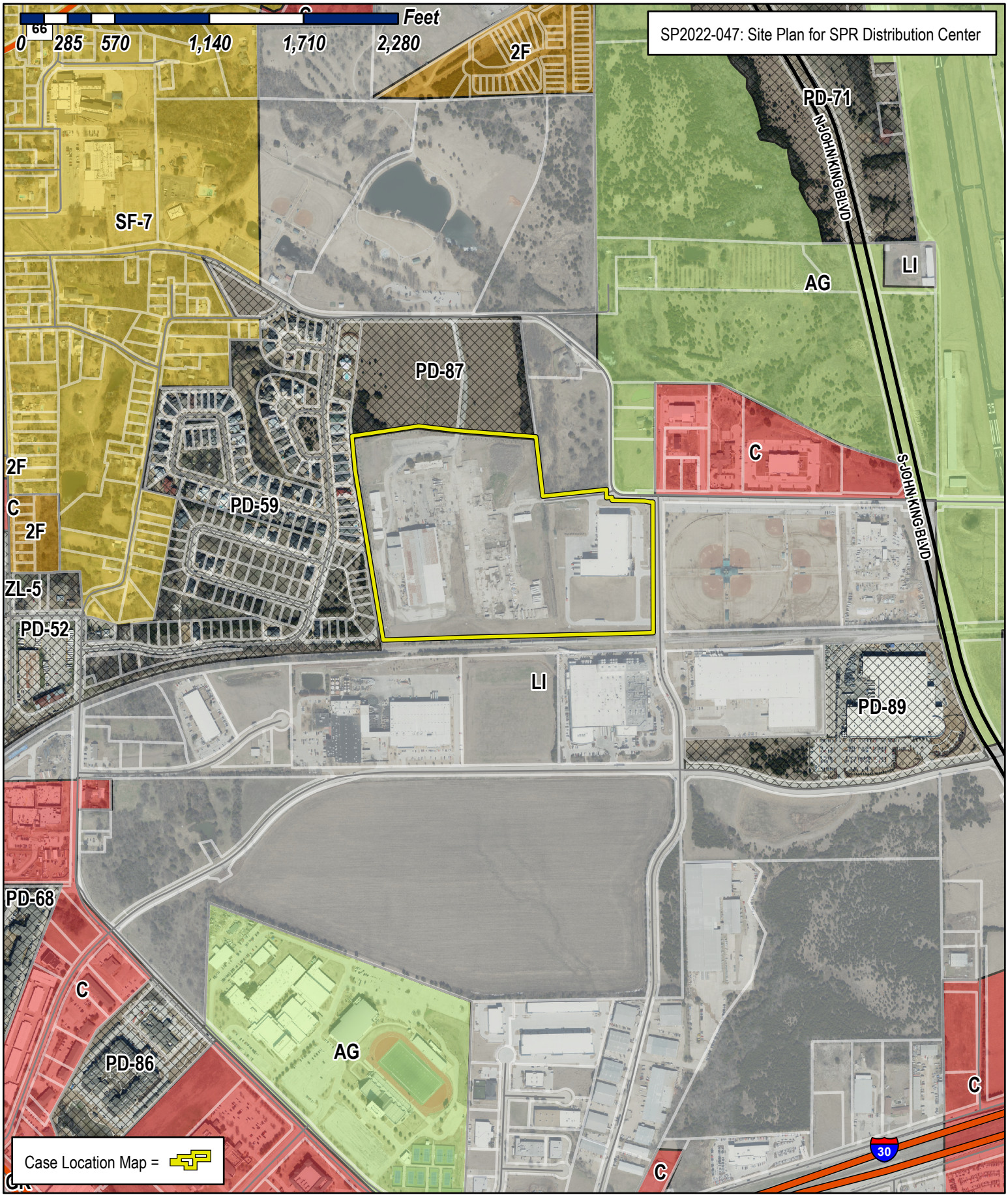
"I HEREBY CERTIFY THAT I AM THE OWNER FOR THE PURPOSE OF THIS APPLICATION; ALL INFORMATION SUBMITTED HEREIN IS TRUE AND CORRECT; AND THE APPLICATION FEE OF $_____, TO COVER THE COST OF THIS APPLICATION, HAS BEEN PAID TO THE CITY OF ROCKWALL ON THIS THE _____ DAY OF _____, 20___. BY SIGNING THIS APPLICATION, 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 _____ DAY OF _____, 20____.

OWNER'S SIGNATURE

NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

MY COMMISSION EXPIRES



City of Rockwall

Planning & Zoning Department
385 S. Goliad Street
Rockwall, Texas 75032
(P): (972) 771-7745
(W): www.rockwall.com

The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.

MJDII Architects, Inc.

16775 Addison Road, Suite 310
Addison, Texas 75001
Tel: (972) 866-8600
Fax: (972) 866-8601
E-Mail: MJDII@MJDII.com

Memorandum

To City of Rockwall, Texas, Planning and Zoning Department

From Brent T. Northington – MJDII Architects, Inc.

Re SPR Distribution Center – Variance Request Letter

Date 19 August 2022

Project SPR Distribution Center

Copies

City of Rockwall Planning and Zoning Staff:

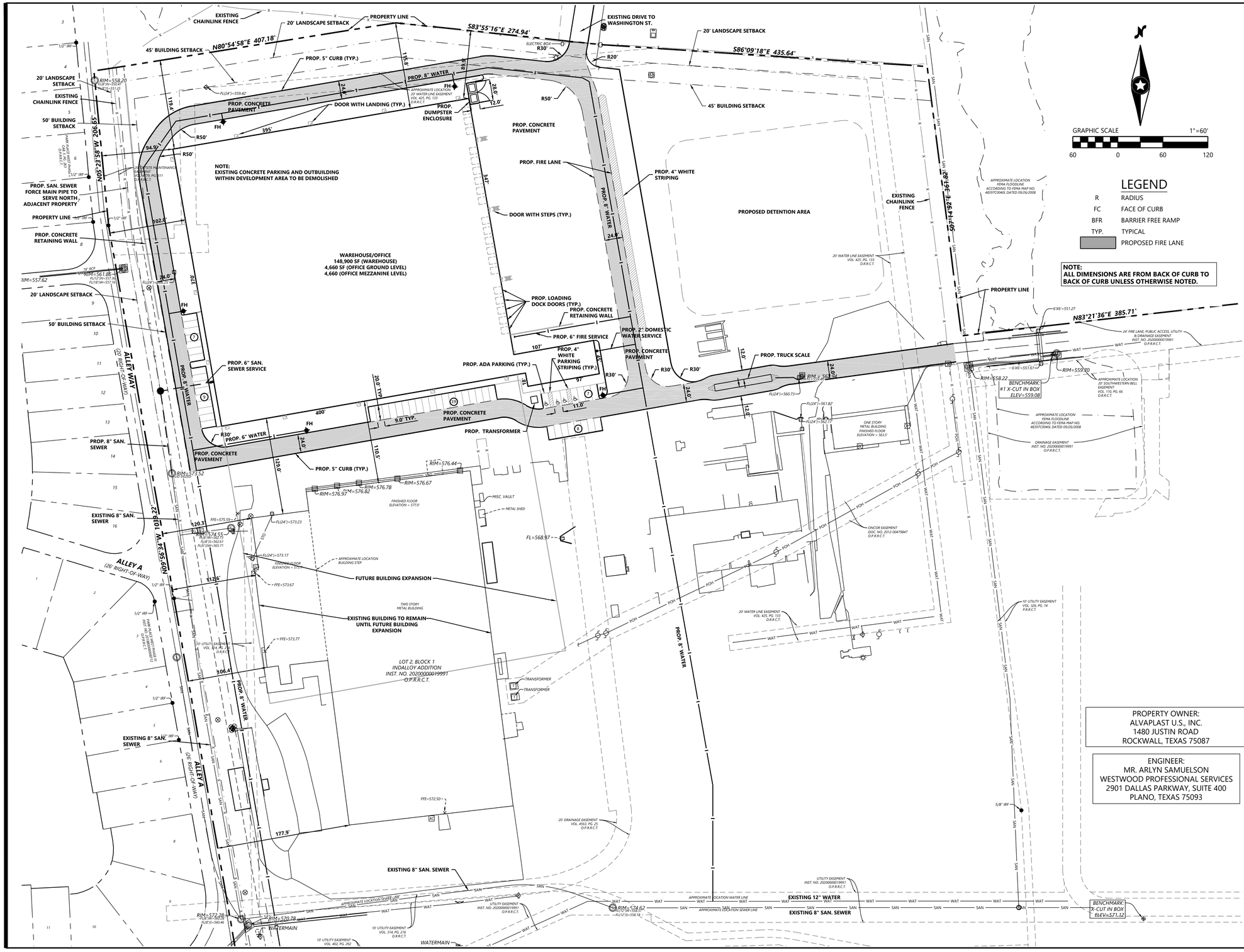
Per our in-person meeting held at your office on 7/28/2022, and a phone conversation with Mr. Ryan Miller (Director of Planning) on 8/11/2022, it is our understanding that there are no known variances being requested at this time.

Pending review comments by City of Rockwall Planning and Zoning staff of our Site Plan Submittal Package submitted on 8/19/2022, variances may be requested at a later date, once we are made aware of which variances need to be requested, if any.

Sincerely,



Brent T. Northington
Project Architect
MJDII Architects, Inc.



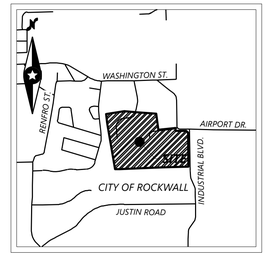
LEGEND

R	RADIUS
FC	FACE OF CURB
BFR	BARRIER FREE RAMP
TYP.	TYPICAL
	PROPOSED FIRE LANE

NOTE:
ALL DIMENSIONS ARE FROM BACK OF CURB TO BACK OF CURB UNLESS OTHERWISE NOTED.

VICINITY MAP

(NOT TO SCALE)



PARKING

THE MINIMUM PARKING REQUIRED FOR A WAREHOUSE DISTRIBUTION CENTER IS TO BE "AS DETERMINED BY THE DIRECTOR" (PER CITY OF ROCKWALL UNIFIED DEVELOPMENT CODE, ARTICLE 06 "PARKING AND LOADING," TABLE 5 "PARKING REQUIREMENT SCHEDULE," UNDER THE CATEGORY "INDUSTRIAL AND MANUFACTURING LAND USES").

PARKING COUNTS

NUMBER OF EMPLOYEES IN 1ST SHIFT: 25

NUMBER OF EMPLOYEES IN 2ND SHIFT: 20

NUMBER OF DAILY VISITORS: 03

TOTAL PARKING SPACES NEEDED = 48

TOTAL PARKING SPACES PROVIDED = 50

ACCESSIBLE PARKING

PER CITY OF ROCKWALL UNIFIED DEVELOPMENT CODE, ARTICLE 06 "PARKING AND LOADING," SECTION 05.04 "HANDICAPPED PARKING":

TOTAL REQUIRED PARKING IN LOT:	REQUIRED NUMBER OF HANDICAPPED SPACES:
51-75	3
76-100	4

THIS PROJECT PROVIDES 4 ACCESSIBLE PARKING SPACES, WITHIN A TOTAL OF 50 PARKING SPACES PROVIDED.

SITE DATA SUMMARY TABLE

ITEM	LOT 1, BLOCK A
GENERAL SITE DATA	
ZONING (FROM ZONING MAP)	LIGHT INDUSTRIAL (LI)
LAND USE	WAREHOUSE W/OFFICE
LOT AREA (SQUARE FEET)	1,873,685
LOT AREA (ACRES)	43.0139
BUILDING FOOTPRINT AREA (SF) - PROPOSED	153,560
BUILDING HEIGHT (#STORIES)	1
BUILDING HEIGHT (FT-DIST TO TALLEST ELEMENT)	50'-4"
LOT COVERAGE (%)	8.20%
FLOOR AREA RATIO (XX:1)	0.08

PROPERTY OWNER:
ALVAPLAST U.S., INC.
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

ENGINEER:
MR. ARLYN SAMUELSON
WESTWOOD PROFESSIONAL SERVICES
2901 DALLAS PARKWAY, SUITE 400
PLANO, TEXAS 75093

SITE PLAN SIGNATURE BLOCK

APPROVED:
I HEREBY CERTIFY THAT THE ABOVE AND FOREGOING SITE PLAN FOR A DEVELOPMENT IN THE CITY OF ROCKWELL, TEXAS, WAS APPROVED BY THE PLANNING & ZONING COMMISSION OF THE CITY OF ROCKWALL ON _____

WITNESS OUR HANDS, _____

PLANNING & ZONING COMMISSION, CHAIRMAN **DIRECTOR OF PLANNING AND ZONING**

SITE PLAN
SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # XXXXX
SUBMITTED AUGUST 19, 2022

SPR DISTRIBUTION CENTER

DESIGNED:
CHECKED:
DRAWN:
HORIZONTAL SCALE:
VERTICAL SCALE:

INITIAL ISSUE: XX/XX/XX
REVISIONS:

PREPARED FOR:

SPR PACKAGING
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

PRELIMINARY
FOR INTERIM REVIEW ONLY
NOT TO BE USED FOR:
CONSTRUCTION OR BIDDING PURPOSES.
Engineer: ARLYN W SAMUELSON PE
P.E. No.: 95877
Date: 08/19/2022
Westwood

SPR DISTRIBUTION CENTER
ROCKWALL, TEXAS

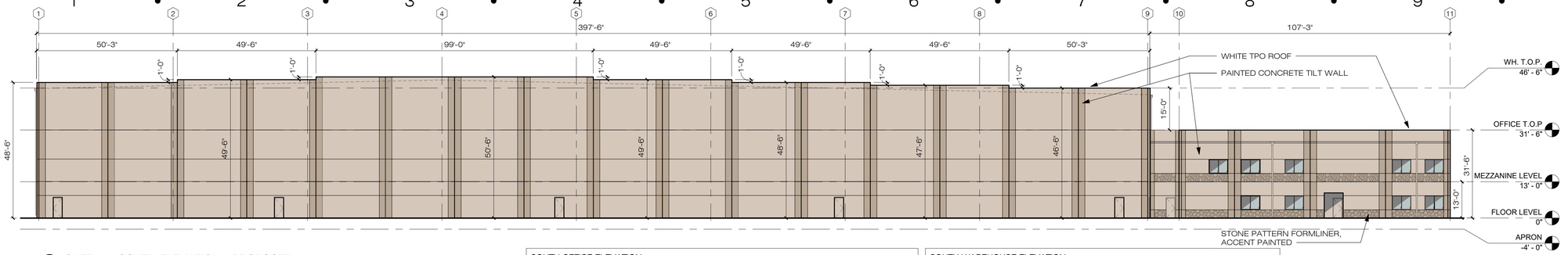
Westwood
Phone (214) 473-4640 2901 Dallas Parkway, Suite 400
Toll Free (888) 937-5150 Plano, TX 75093
westwoodps.com
Westwood Professional Services, Inc.
TBPE FIRM REGISTRATION NO. F-11756
TBPLS FIRM REGISTRATION NO. 10074301

SITE PLAN

PROJECT NUMBER: 0036677.00

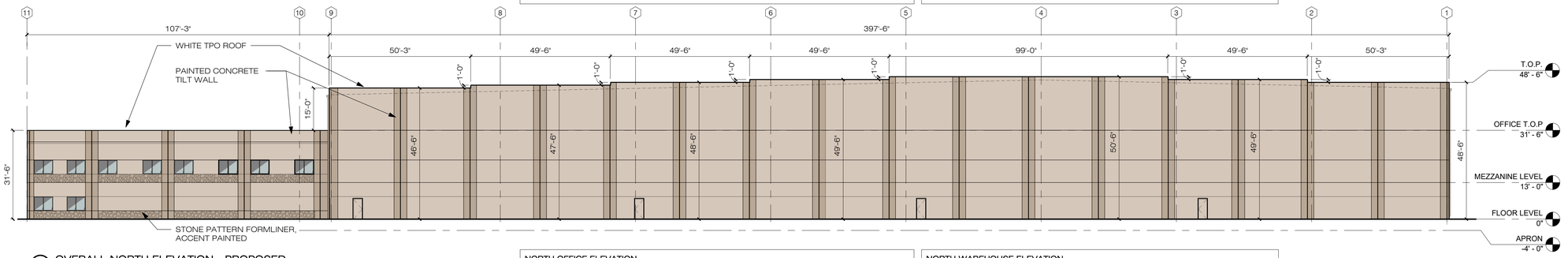
SHEET NUMBER: 1.00

DATE: 08/19/22



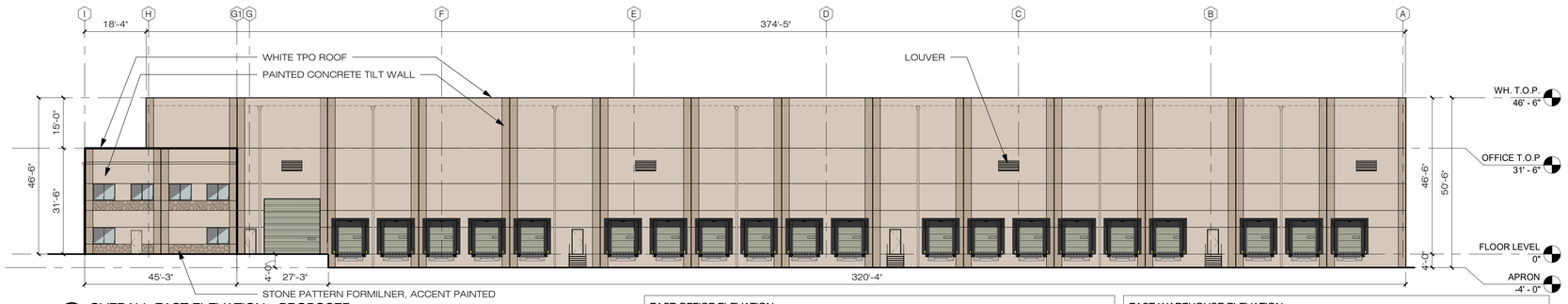
1B OVERALL SOUTH ELEVATION - PROPOSED
1" = 20'-0"

SOUTH OFFICE ELEVATION	SOUTH WAREHOUSE ELEVATION
74 % PAINTED CONCRETE TILT WALL WITH REVEALS 15 % STONE PATTERN FORMLINER, ACCENT PAINTED 11 % CLEAR ANODIZED ALUMINUM FRAMED WINDOWS AND PAINTED HOLLOW METAL DOORS	98 % PAINTED CONCRETE TILT WALL WITH REVEALS 2 % PAINTED HOLLOW METAL DOORS



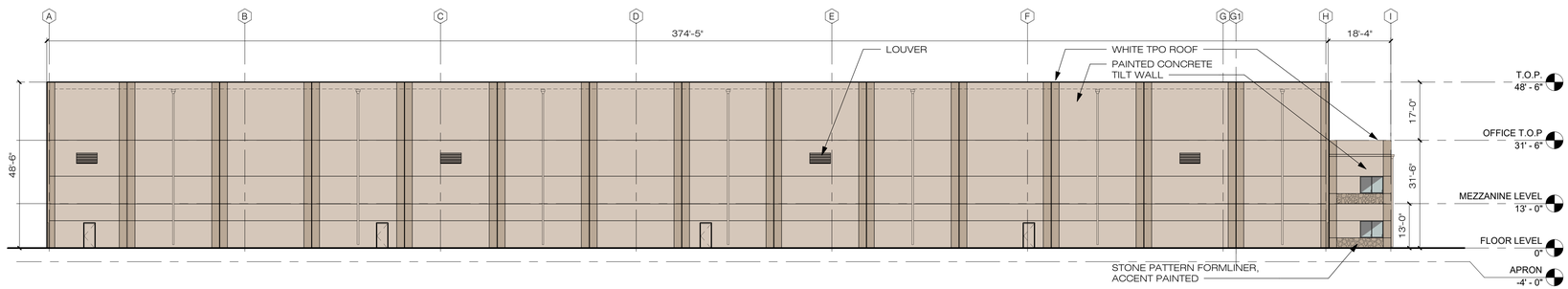
1D OVERALL NORTH ELEVATION - PROPOSED
1" = 20'-0"

NORTH OFFICE ELEVATION	NORTH WAREHOUSE ELEVATION
75 % PAINTED CONCRETE TILT WALL WITH REVEALS 15 % STONE PATTERN FORMLINER, ACCENT PAINTED 10 % CLEAR ANODIZED ALUMINUM FRAMED WINDOWS	98 % PAINTED CONCRETE TILT WALL WITH REVEALS 2 % PAINTED HOLLOW METAL DOORS



1F OVERALL EAST ELEVATION - PROPOSED
1" = 20'-0"

EAST OFFICE ELEVATION	EAST WAREHOUSE ELEVATION
68 % PAINTED CONCRETE TILT WALL WITH REVEALS 15 % STONE PATTERN FORMLINER, ACCENT PAINTED 17 % CLEAR ANODIZED ALUMINUM FRAMED WINDOWS AND PAINTED HOLLOW METAL DOORS	80 % PAINTED CONCRETE TILT WALL WITH REVEALS 20 % LOUVERS AND PAINTED HOLLOW METAL DOORS AND FACTORY FINISHED SECTIONAL DOORS



1J OVERALL WEST ELEVATION - PROPOSED
1" = 20'-0"

WEST OFFICE ELEVATION	WEST WAREHOUSE ELEVATION
73 % PAINTED CONCRETE TILT WALL WITH REVEALS 15 % STONE PATTERN FORMLINER, ACCENT PAINTED 12 % CLEAR ANODIZED ALUMINUM FRAMED WINDOWS	96 % PAINTED CONCRETE TILT WALL WITH REVEALS 4 % LOUVERS AND PAINTED HOLLOW METAL DOORS

EXTERIOR PAINT LEGEND	
	EXTERIOR PAINT 1 - SW 9085 TOUCH OF SAND
	EXTERIOR PAINT 2 - SW 9087 SMOKY BEIGE

SIGNATURE BLOCK

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 _____, 2022.

WITNESS OUR HANDS, THIS _____ DAY OF _____, 2022.

_____
PLANNING & ZONING COMMISSION, CHAIRMAN

_____
DIRECTOR OF PLANNING AND ZONING

DESIGN BUILDER:
HILL & WILKINSON
2703 TELECOM PARKWAY, SUITE 120
RICHARDSON, TEXAS 75082
214-299-4300

ARCHITECT:
MJDII ARCHITECTS, INC.
16775 ADDISON ROAD, SUITE 310
ADDISON, TEXAS 75001
972-866-8600

OWNER:
SPR PACKAGING, LLC.
1480 JUSTIN RD.
ROCKWALL, TEXAS 75087
469-314-1600

SPR DISTRIBUTION CENTER:
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS

CASE NO. _____

SUBMITED 19 AUGUST 2022

MJDII Architects, Inc.
Architecture · Planning · Consulting
16775 Addison Road, Suite 310 Tel: (972) 866-8600
Addison, Texas 75001 Fax: (972) 866-8601

HILL & WILKINSON GENERAL CONTRACTORS
DESIGN BUILDER
2703 TELECOM PARKWAY, SUITE 120
RICHARDSON, TEXAS 75082
214-299-4300

shaping the built environment
STRUCTURAL ENGINEERING
100 GLASS STREET
DALLAS, TEXAS 75207
214-752-9098

Westwood
PARKWAY CENTRE 1
2901 DALLAS PARKWAY, SUITE 400
PLANO, TEXAS 75093
214-473-4640

COOPER DESIGN WORKS
LANDSCAPE ARCHITECTURE · PLANNING · URBAN DESIGN
PO BOX 492 ROCKWALL TEXAS 75087 P 972.412.9519
cooperdesignworks.com

PILLAR ELECTRIC GROUP
2703 TELECOM PARKWAY, SUITE 100
RICHARDSON, TEXAS 75082
469-277-4960

#	DESCRIPTION	DATE

Seal:

ARCHITECT: JACK A. ROMIGH, AIA
TEXAS REGISTRATION: #11685
DATE: 19 AUGUST 2022

THESE DOCUMENTS ARE PRELIMINARY AND NOT TO BE USED FOR REGULATORY APPROVAL, PERMITTING,OR CONSTRUCTION.

THE TEXAS BOARD OF ARCHITECTURAL EXAMINERS HAS JURISDICTION OVER COMPLAINTS REGARDING THE PROFESSIONAL PRACTICES OF PERSONS REGISTERED AS ARCHITECTS IN TEXAS. THE BOARD'S CURRENT ADDRESS, PHONE NUMBER AND WEBSITE ARE: www.tbae.state.tx.us PO BOX 12337 AUSTIN, TX 78711-2337 (512) 305-9000

SPR
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087
SPR DISTRIBUTION CENTER

Drawn By:	
Project Number:	22-0013-00
Date:	19 AUGUST 2022
Issue:	CITY SITE PLAN SUBMITTAL
Approved By:	

Sheet Number:

A3.00

OVERALL EXTERIOR ELEVATIONS-PROPOSED

existing mature cedar trees to remain

existing chain link fence

existing native trees

existing cedar trees

existing Live Oaks 50020 - 50052

existing Live Oaks 50001 - 50019

bermuda hydromulch and irrigation

APPROXIMATE LOCATION 20' WATER LINE EASEMENT VOL. 425, PG. 133 D.R.R.C.T.

existing trees to be removed

PROP FF=579.50

ELECTRIC BOX

S83°55'16"E 274.94'

N05°23'58"W 96.59'

PARK PLACE WEST PHASE II CAB. F PG. 263 O.P.R.R.C.T.

OFFSITE MASONRY SCREEN WALL VOL. 477 PG. 171 O.P.R.R.C.T.

RETAINING WALL

ALLEY (20' RIGHT-O-WAY)

18" RCP

A 1"= 30'-0" NORTH

Landscape Plan plan

DE 6

DE 4

CO 5

EC 7

BO 5

SITE PLAN SIGNATURE BLOCK
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 _____

WITNESS OUR HANDS, _____

PLANNING & ZONING COMMISSION, CHAIRMAN DIRECTOR OF PLANNING AND ZONING

PROPERTY OWNER:
ALVAPLAST U.S., INC.
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

LANDSCAPE ARCHITECT:
JIM COOPER
COOPER DESIGN WORKS
PO BOX 492
ROCKWALL, TEXAS 75087

SITE PLAN
SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # XXXXX
SUBMITTED AUGUST 19, 2022

MJDII Architects, Inc.
Architecture • Planning • Consulting
16775 Addison Road, Suite 310 Tel: (972) 866-8600
Addison, Texas 75001 Fax: (972) 866-8601

HILL & WILKINSON GENERAL CONTRACTORS
DESIGN BUILDER
2703 TELECOM PARKWAY, SUITE 120
RICHARDSON, TEXAS 75082
214-299-4300

JQ shaping the built environment
STRUCTURAL ENGINEERING
100 GLASS STREET
DALLAS, TEXAS 75207
214-752-9098

Westwood
PARKWAY CENTRE 1
2901 DALLAS PARKWAY, SUITE 400
PLANO, TEXAS 75093
214-473-4640

COOPER DESIGN WORKS
LANDSCAPE ARCHITECTURE · PLANNING · URBAN DESIGN
PO BOX 492 ROCKWALL TEXAS 75087 P 972.412.9519
cooperdesignworks.com

PILLAR ELECTRIC GROUP
2703 TELECOM PARKWAY, SUITE 100
RICHARDSON, TEXAS 75082
469-277-4860

#	DESCRIPTION	DATE

Seal:
These documents are for municipal review and not for construction.
James A Cooper RLA 1287
19 August 2022

SPR
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087
SPR DISTRIBUTION CENTER

Drawn By:	CDW
Project Number:	22-0013-00
Date:	19 AUGUST 2022
Issue:	CITY SITE PLAN SUBMITTAL
Approved By:	CDW

Sheet Number:

L1.01

Landscape Plan

PLANT SCHEDULE

Large Shade And Evergreen Trees

	SYM	QTY	COMMON NAME	SCIENTIFIC NAME	SIZE & CONDITION AT PLANTING
	LO	6	Live Oak	Quercus virginiana	3" Caliper12'-14' Ht./ 4'-5' spread, container grown straight trunk.
	DE	6	Drake Elm	Ulmus parvifolia 'Drake"	4" Caliper 12'-14' Ht./ 5'-6' spread, container grown straight trunk.
	CO	5	Chinquapin Oak	Ulmus crassifolia	4" Caliper 12'-14' Ht./ 5'-6' spread, container grown straight trunk.
	EC	7	Easter Red Cedar	Juniperis virginiana	4" Caliper 10'-12' Ht./ 5'-6' spread, full to ground.

Shrubs and Groundcovers

	SYM	QTY	COMMON NAME	SCIENTIFIC NAME	SIZE & CONDITION AT PLANTING
			Bermuda Hydromulch	Cynadon dactylon	Fine grade prior to installation

Landscape Calculations:

Parking Lot Landscaping

Parking Area (Double Row): 4958 SF

Interior Landscape Area Required 5%: 249 SF

Interior Landscape Area Provided: 250 SF

No parking space is more than 80' from a tree.

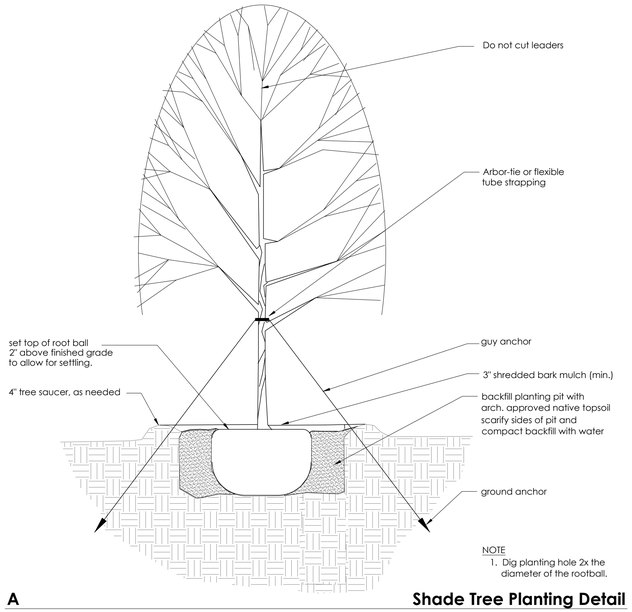
Abutting Residential Buffer:

Landscape buffer abutting residential development is existing.

Landscape Notes:

An automatic irrigation system will be provided comply with the irrigation code of Chapter 10, Buildings and Building Regulations, Article XVI, Irrigation Code, of the City of Rockwall Code of Ordinances, and all applicable state laws, as may be amended.

SITE DATA SUMMARY TABLE	
ITEM	LOT 1, BLOCK A
GENERAL SITE DATA	
ZONING (FROM ZONING MAP)	LIGHT INDUSTRIAL (LI)
LAND USE	WAREHOUSE W/OFFICE
LOT AREA (SQUARE FEET)	1,873,695
LOT AREA (ACRES)	43.0139
BUILDING FOOTPRINT AREA (SF) - PROPOSED	153,560
BUILDING HEIGHT (#/STORIES)	1
BUILDING HEIGHT (FT-DIST TO TALLEST ELEMENT)	50'-4"
LOT COVERAGE (%)	8.20%
FLOOR AREA RATIO (X.XX:1)	0.08



A **Shade Tree Planting Detail**

NTS

PROPERTY OWNER:
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ROCKWALL, TEXAS 75087

LANDSCAPE ARCHITECT:
JIM COOPER
COOPER DESIGN WORKS
PO BOX 492
ROCKWALL, TEXAS 75087

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SPR DISTRIBUTION CENTER

Drawn By:	CDW
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Approved By:	CDW

Sheet Number:

L1.02

Landscape Plan

existing mature cedar trees to remain

existing chain link fence

existing cedar trees

existing native trees

existing mature cedar trees to remain

existing cedar trees

existing chain link fence

existing trees to be removed

APPROXIMATE LOCATION 20' WATER LINE EASEMENT VOL. 425, PG. 133 D.R.R.C.T.

PROP FF=579.50

existing tree to be preserved
tree number ref. tree preservation plan sheet L 1.04

existing tree to be removed

existing cedar trees

existing mature cedar trees to remain

A Treescape Plan
1"= 30'-0"
NORTH
plan

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Sheet Number:

L1.03

Treescape Plan

Tree Preservation Table

Tree Number	Common Name	DBH Inches	Status	Feature Tree	Mitigation Required	Mitigation Inches
42220	Live Oak	26	Remove	Yes	Yes	52
42201	Crape Myrtle	12	Remove	No	Yes	12
42202	Crape Myrtle	16	Remove	No	Yes	16
42203	Live Oak	30	Remove	Yes	Yes	60
42204	Crape Myrtle	12	Remove	No	Yes	12
42205	Crape Myrtle	12	Remove	No	Yes	12
42206	Live Oak	26	Remove	Yes	Yes	52
42207	Live Oak	30	Remove	Yes	Yes	60
42269	Willow	18	Preserve	No	No	
42270	Cedar	6	Preserve	No	No	
42271	Elm	20	Preserve	No	No	
42272	Elm	20	Preserve	No	No	
42273	Unknown	10	Preserve	No	No	
42274	Hackberry	12	Preserve	No	No	
42275	Elm	11	Preserve	No	No	
42276	Elm	30	Preserve	No	No	
42277	Elm	13	Preserve	No	No	
42278	Elm	15	Preserve	No	No	
42279	Elm	20	Preserve	No	No	
42280	Elm	20	Preserve	No	No	
42281	Elm	6	Preserve	No	No	
42282	Cedar	4	Preserve	No	No	
42283	Cedar	14	Preserve	No	No	
42284	Cedar	6	Preserve	No	No	
42285	Cedar	12	Preserve	No	No	
42286	Elm	10	Preserve	No	No	
42287	Elm	9	Preserve	No	No	
42288	Elm	18	Preserve	No	No	
42289	Hackberry	8	Preserve	No	No	
42290	Cedar	12	Preserve	No	No	
42291	Elm	11	Preserve	No	No	
42292	Elm	4	Preserve	No	No	
42293	Elm	9	Preserve	No	No	
42294	Elm	9	Preserve	No	No	
42295	Hackberry	15	Preserve	No	No	
42296	Elm	6	Preserve	No	No	
42297	Cedar	6	Preserve	No	No	
42298	Cedar	6	Preserve	No	No	
42299	Elm	10	Preserve	No	No	
42300	Elm	8	Preserve	No	No	
42301	Elm	8	Preserve	No	No	
42302	Elm	4	Preserve	No	No	
42303	Elm	9	Preserve	No	No	
42304	Elm	4	Preserve	No	No	
42305	Elm	9	Preserve	No	No	
42306	Elm	16	Preserve	No	No	
42307	Elm	4	Preserve	No	No	
42308	Elm	15	Preserve	No	No	
42309	Elm	12	Preserve	No	No	
42310	Elm	4	Preserve	No	No	
42311	Elm	6	Preserve	No	No	
42312	Elm	6	Preserve	No	No	
42313	Elm	4	Preserve	No	No	
42314	Elm	9	Preserve	No	No	
42315	Elm	9	Preserve	No	No	
42316	Elm	16	Preserve	No	No	
42317	Elm	16	Preserve	No	No	
42318	Cedar	6	Preserve	No	No	
42319	Cedar	4	Preserve	No	No	
42320	Cedar	6	Preserve	No	No	
42321	Cedar	10	Preserve	No	No	
42437	Bois d'arc	24	Preserve	No	No	

Tree Number	Common Name	DBH Inches	Status	Feature Tree	Mitigation Required	Mitigation Inches
50001	Live Oak	4-5"	Preserve	No	No	
50002	Live Oak	4-5"	Preserve	No	No	
50003	Live Oak	4-5"	Preserve	No	No	
50004	Live Oak	4-5"	Preserve	No	No	
50005	Live Oak	4-5"	Preserve	No	No	
50006	Live Oak	4-5"	Preserve	No	No	
50007	Live Oak	4-5"	Preserve	No	No	
50008	Live Oak	4-5"	Preserve	No	No	
50009	Live Oak	4-5"	Preserve	No	No	
50010	Live Oak	4-5"	Preserve	No	No	
50012	Live Oak	4-5"	Preserve	No	No	
50013	Live Oak	4-5"	Preserve	No	No	
50014	Live Oak	4-5"	Preserve	No	No	
50015	Live Oak	4-5"	Preserve	No	No	
50016	Live Oak	4-5"	Preserve	No	No	
50017	Live Oak	4-5"	Preserve	No	No	
50018	Live Oak	4-5"	Preserve	No	No	
50019	Live Oak	4-5"	Preserve	No	No	
50020	Live Oak	4-5"	Preserve	No	No	
50022	Live Oak	4-5"	Preserve	No	No	
50023	Live Oak	4-5"	Preserve	No	No	
50024	Live Oak	4-5"	Preserve	No	No	
50025	Live Oak	4-5"	Preserve	No	No	
50026	Live Oak	4-5"	Preserve	No	No	
50027	Live Oak	4-5"	Preserve	No	No	
50028	Live Oak	4-5"	Preserve	No	No	
50029	Live Oak	4-5"	Preserve	No	No	
50030	Live Oak	4-5"	Preserve	No	No	
50031	Live Oak	4-5"	Preserve	No	No	
50032	Live Oak	4-5"	Preserve	No	No	
50033	Live Oak	4-5"	Preserve	No	No	
50034	Live Oak	4-5"	Preserve	No	No	
50035	Live Oak	4-5"	Preserve	No	No	
50036	Live Oak	4-5"	Preserve	No	No	
50037	Live Oak	4-5"	Preserve	No	No	
50038	Live Oak	4-5"	Preserve	No	No	
50039	Live Oak	4-5"	Preserve	No	No	
50040	Live Oak	4-5"	Preserve	No	No	
50042	Live Oak	4-5"	Preserve	No	No	
50043	Live Oak	4-5"	Preserve	No	No	
50044	Live Oak	4-5"	Preserve	No	No	
50045	Live Oak	4-5"	Preserve	No	No	
50046	Live Oak	4-5"	Preserve	No	No	
50047	Live Oak	4-5"	Preserve	No	No	
50048	Live Oak	4-5"	Preserve	No	No	
50049	Live Oak	4-5"	Preserve	No	No	
50050	Live Oak	4-5"	Preserve	No	No	
50051	Live Oak	4-5"	Preserve	No	No	
50052	Live Oak	4-5"	Preserve	No	No	
50053	Live Oak	4-5"	Preserve	No	No	
50054	Live Oak	4-5"	Preserve	No	No	
50055	Live Oak	4-5"	Preserve	No	No	
50056	Live Oak	4-5"	Preserve	No	No	
50057	Live Oak	4-5"	Preserve	No	No	
50058	Live Oak	4-5"	Preserve	No	No	
50059	Live Oak	4-5"	Preserve	No	No	
50060	Live Oak	4-5"	Preserve	No	No	
50061	Live Oak	4-5"	Preserve	No	No	
50062	Live Oak	4-5"	Preserve	No	No	
50063	Live Oak	4-5"	Preserve	No	No	
50064	Live Oak	4-5"	Preserve	No	No	
50065	Live Oak	4-5"	Preserve	No	No	
50066	Live Oak	4-5"	Preserve	No	No	
50067	Live Oak	4-5"	Preserve	No	No	
50068	Live Oak	4-5"	Preserve	No	No	

Total Mitigation Inches = 276

PROPERTY OWNER:
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ROCKWALL, TEXAS 75087

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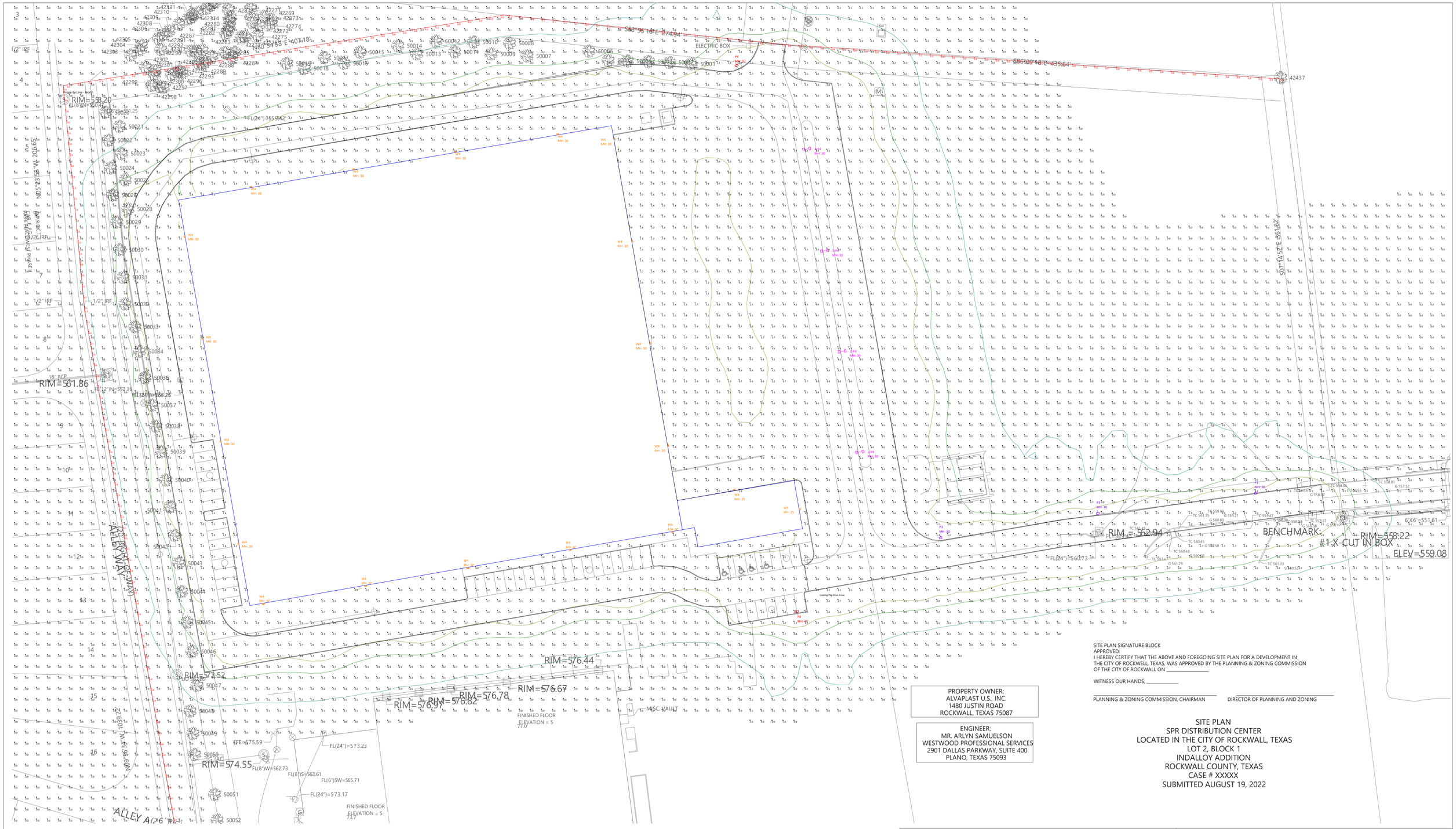
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Drawn By:	CDW
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Sheet Number:

L1.04

Treescape Details



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_____ DIRECTOR OF PLANNING AND ZONING

PROPERTY OWNER:
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ROCKWALL, TEXAS 75087

ENGINEER:
MR. ARLYN SAMUELSON
WESTWOOD PROFESSIONAL SERVICES
2901 DALLAS PARKWAY, SUITE 400
PLANO, TEXAS 75093

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ROCKWALL COUNTY, TEXAS
CASE # XXXXX
SUBMITTED AUGUST 19, 2022

Project Name: SPR Warehouse Site	Project # :
Client:	Date:8/19/2022
Drawn By: JOw, LC	Version: REV 2

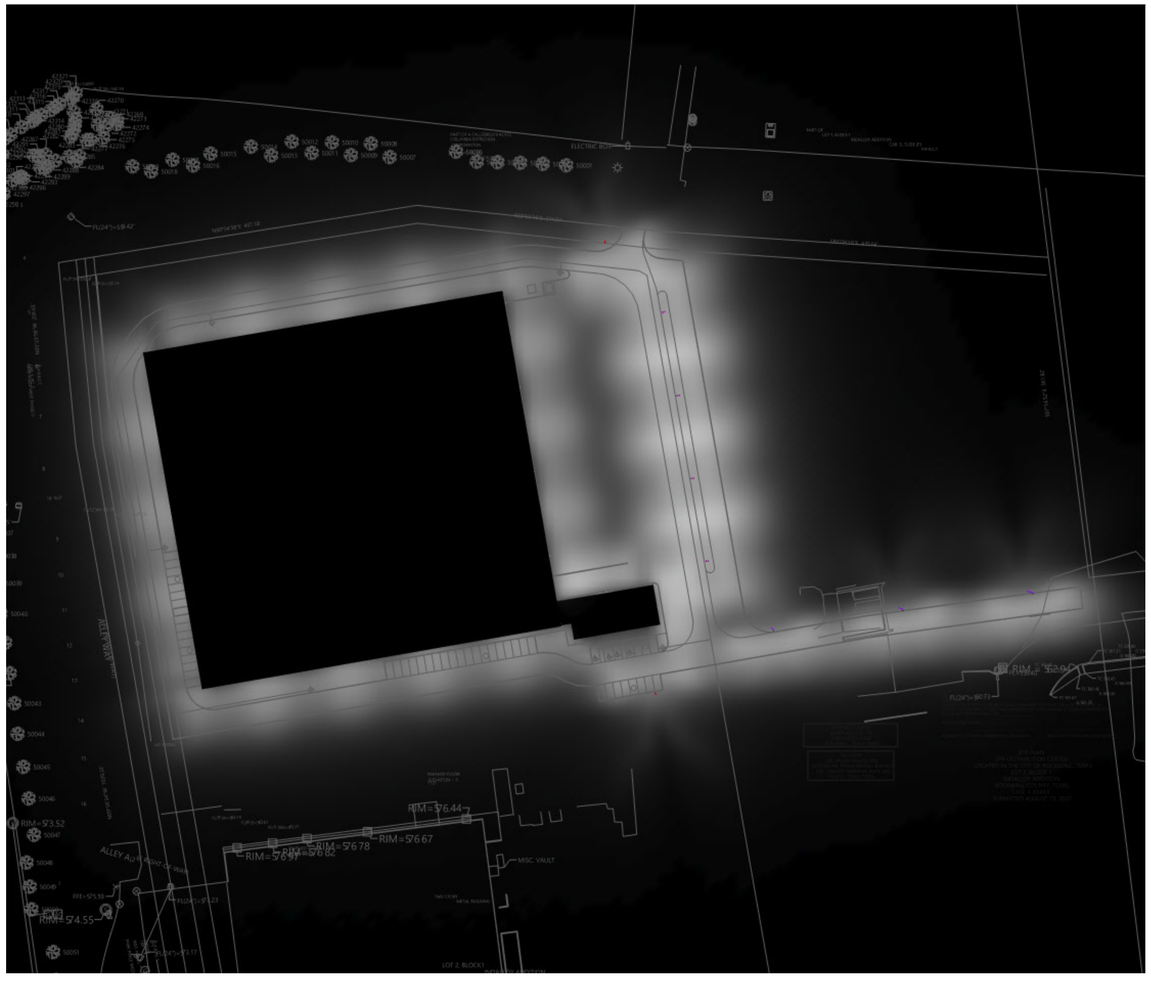
HLPS HOSSLEY
LIGHTING AND POWER SOLUTIONS

THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO EXISTING / FUTURE FIELD CONDITIONS. THIS LIGHTING LAYOUT REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER VARIABLE FIELD CONDITIONS. THESE LIGHTING CALCULATIONS ARE NOT A SUBSTITUTE FOR INDEPENDENT ENGINEERING ANALYSIS OF LIGHTING SYSTEM SUITABILITY AND SAFETY. THE ENGINEER AND/OR ARCHITECT IS RESPONSIBLE TO REVIEW FOR COMPLIANCE OF ALL APPLICABLE ENERGY CODES AND LIGHTING QUALITY STANDARDS.

Luminaire Schedule						
Symbol	Label	Qty	Arrangement	Manufacturer & Part Number	LLF	Lum. Lumens
	2-P4	4	Back-Back	HUBBELL RAR2-480L-185-3K7-4W-U (x2 @ 180 degrees)	0.900	24226
	P3	3	Single	HUBBELL RAR2-480L-185-3K7-3-U	0.900	24684
	P4	2	Single	HUBBELL RAR2-480L-185-3K7-4W-U	0.900	24226
	W4	19	Single	HUBBELL RWL2-160L-115-3K7-4-U	0.900	14403

Calculation Summary										
Label	CalcType	Units	PtSpcLr	PtSpcTb	Avg	Max	Min	Avg/Min	Max/Min	Description
Overall Area	Illuminance	Fc	10	10	0.56	5.4	0.0	N.A.	N.A.	Readings taken at 0'-0" AFG
Property Line - North	Illuminance	Fc	10	N.A.	0.13	1.6	0.0	N.A.	N.A.	
Property Line - West	Illuminance	Fc	10	N.A.	0.03	0.1	0.0	N.A.	N.A.	Readings taken at 0'-0" AFG
Loading-Pkg-Drive Areas	Illuminance	Fc			2.32	5	1	2.32	5.00	Readings taken at 0'-0" AFG

Isoline Legend	
Illuminance (Fc)	
Color	Value
	0.1
	0.5
	1



Top View - Greyscale (Luminance)

NOTES:
1) Fixture Mounting Heights (MH) are indicated next to each fixture.
2) All fixtures labeled with "_alt" indicates an alternative fixture different from what was listed in the fixture schedule received was used in this calculation
3) Interior reflectances 80/50/20; exterior reflectances 20% UON.
4) Quantity (QTY) indicated on HLPS Luminaire Schedule is for what is included in this calculation study only - Not final counts.
5) Contractor to verify exact fixture quantities and fixture run lengths before ordering.

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_____ DIRECTOR OF PLANNING AND ZONING

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Version: REV 2

HLPS HOSSLEY LIGHTING AND POWER SOLUTIONS

THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO EXISTING / FUTURE FIELD CONDITIONS. THIS LIGHTING LAYOUT REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER VARIABLE FIELD CONDITIONS. THESE LIGHTING CALCULATIONS ARE NOT A SUBSTITUTE FOR INDEPENDENT ENGINEERING ANALYSIS OF LIGHTING SYSTEM SUITABILITY AND SAFETY. THE ENGINEER AND/OR ARCHITECT IS RESPONSIBLE TO REVIEW FOR COMPLIANCE OF ALL APPLICABLE ENERGY CODES AND LIGHTING QUALITY STANDARDS.

HUBBELL Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO Series

AREA/SITE LIGHTER

FEATURES

- Low profile LED area/site luminaire with a variety of IES distributions for lighting applications such as retail, commercial and campus parking lots
- Featuring Micro Strike Optics which maximizes target zone illumination with minimal losses at the house-side, reducing light trespass issues
- Visual comfort standard
- Compact and lightweight design with low EPA
- 3G rated for high vibration applications including bridges and overpasses
- Control options including photo control, occupancy sensing, NX Distributed Intelligence™ and 7-Pin with networked controls
- Best in class surge protection available

c UL us IP66 DLC LISTED DLC PREMIUM BUY AMERICAN SOLUTIONS

See Certification Specifications



RELATED PRODUCTS

Airo | Cimarron LED | Ratio Family

CONTROL TECHNOLOGY

SiteSync LIGHTING CONTROL | NX DISTRIBUTED INTELLIGENCE™ | wiSCAPE™

SPECIFICATIONS

CONSTRUCTION

- Rectilinear form mimics the traditional shoebox form factor keeping a similar but updated style and appearance, ideal for retrofit applications
- Die-cast housing with hidden vertical heat fins that are optimal for heat dissipation while keeping a clean smooth outer surface
- Corrosion resistant, die-cast aluminum housing with powder coat paint finish

OPTICS

- Entire optical aperture illuminates to create a larger luminous surface area resulting in a low glare appearance without sacrificing optical performance
- 80, 160, 320 or 480 midpower LEDs
- 3000K, 4000K or 5000K (70 CRI) CCT
- Zero uplight at 0 degrees of tilt
- Field rotatable optics

INSTALLATION

- Standard square arm mount, compatible with B3 drill pattern
- Optional universal mounting block for ease of installation during retrofit applications. Available as an option or accessory for square and round poles.
- Knuckle arm fitter option available for 2-3/8" OD tenon. Max tilt of 60 degrees with 4 degree adjustable increments. (Restrictions apply for 7-pin options)

ELECTRICAL

- Universal 120-277 VAC or 347-480 VAC input voltage, 50/60 Hz

ELECTRICAL (CONTINUED)

- Ambient operating temperature -40˚C to 40˚C
- Drivers have greater than 90% power factor and less than 20% THD
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Field replaceable surge protection device provides 20kA protection meeting ANSI/IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device is compromised

CONTROLS

- Photo control, occupancy sensor and wireless available for complete on/off and dimming control
- 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules (control accessories sold separately)
- 0- 10 V Dimming Drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than the 6" standard
- SiteSync™ wireless control system is available via 7-pin See ordering information and details at: www.hubbelllighting.com/sitesync
- NX Distributed Intelligence™ available with in fixture wireless control module, features dimming and occupancy sensor
- wiSCAPE® available with in fixture wireless control module, features dimming and occupancy sensor via 7-pin

CERTIFICATIONS

- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Please refer to the DLC website for specific product qualifications at www.designlights.org
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40˚C ambient temperatures
- 3G rated for ANSI C136.31 high vibration applications
- Fixture is IP66 rated
- Meets IDA recommendations using 3K CCT configuration at 0 degrees of tilt
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 04/23/2020. See Buy American Solutions

WARRANTY

- 5 year limited warranty
- See HLI Standard Warranty for additional information

KEY DATA	
Lumen Range	3,000–48,000
Wattage Range	25–340
Efficacy Range (LPW)	118–155
Fixture Projected Life (Hours)	L70>60K
Weights lbs. (kg)	13.5–24 (6.1–10.9)

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HUBBELL Lighting

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CATALOG #:

RATIO SERIES

AREA/SITE LIGHTER

ORDERING GUIDE

Example: RAR1-80L-25-3K7-2-UNV-ASQ-BL-NXWE-BC

CATALOG #

ORDERING INFORMATION

Series		# LEDs - Wattage		CCT/CRI		Distribution		Optics Rotation		Voltage	
RAR1	Ratio Area Size 1	80L-25	25W - 3,000 Lumens	3K7	3000K, 70 CRI	2	IES TYPE II	Blank for no rotation		UNV	Universal 120-277V
		80L-39	39W -5,200 Lumens	4K7	4000K, 70 CRI	3	IES TYPE III	L	Optic rotation left	120	120V
		80L-50	50W - 6,000 Lumens	5K7	5000K, 70 CRI	4W	IES TYPE IV	R	Optic rotation right	208	208V
		160L-70	70W - 9,000 Lumens			5QW	IES TYPE V			240	240V
		160L-100	100W - 12,000 Lumens							277	277V
		160L-115	115W - 15,000 Lumens							347	347V
		160L-135	135W - 18,000 Lumens							480	480V
RAR2	Ratio Area Size 2	320L-110	110W - 15,000 Lumens								
		320L-140	140W - 18,000 Lumens								
		320L-165	165W - 21,000 Lumens								
		480L-185	185W - 24,000 Lumens								
		480L-210	210W - 27,000 Lumens								
		480L-240	240W - 30,000 Lumens								
		480L-255	255W - 36,000 Lumens								
		480L-295	295W - 42,000 Lumens								
		480L-340	340W - 48,000 Lumens								

Mounting		Color		Control Options Network		Options	
ASQ	Arm mount for square pole/flat surface	BLT	Black Matte Textured	NXWE	NX Wireless Enabled (module + radio)	BC	Backlight control
ASQU	Universal arm mount for square pole/flat surface	BLS	Black Gloss Smooth	NXSPW_F	NX Wireless, PIR Occ. Sensor, Daylight Harvesting [4]	F	Fusing (must specify voltage)
Mounting Round Poles		DBT	Dark Bronze Matte Textured	NXSP_F	NX, PIR Occ. Sensor, Daylight Harvesting [4]	TB	Terminal block
A_	Arm mount for round pole[1]	DBS	Dark Brone Gloss Smooth	**Control Options Other**		2PF	2 power feed with 2 drivers[2]
A_U	Universal arm mount for round pole[1]	GTT	Graphite Matte Textured	SCP-40F	Programmable occupancy sensor [3]		
Mounting Other		LGS	Light Grey Gloss Smooth	7PR	7-Pin twist lock receptacle		
WB	Wall bracket	PSS	Platinum Silver Smooth	7PR-SC	7-Pin receptacle with shorting cap		
MAF	Mast arm fitter for 2-3/8" OD horizontal arm	WHT	White Matte Textured	7PR-MD40F	Low voltage sensor for 7PR		
K	Knuckle	WHS	White Gloss Smooth	7PR-TL	7-Pin PCR with photocontrol		
		VGT	Verde Green Textured	**Sensors**			
		Color Option		BTS_F	Bluetooth Programmable, PIR Occupancy/Daylight Sensor, 360° lens [4]		
		CC	Custom Color	BTSO_F	Bluetooth Programmable, PIR Occupancy/Daylight Sensor, 360° lens, up to 12' mounting height [5]		

Notes:

1. Replace "_" with "3" for 3.5"-4.13" OD pole, "4" for 4.18"-5.25" OD pole, "5" for 5.5"-6.5" OD pole
2. Not available with 25, 50, 255, 295 & 340W configurations
3. At least one SCPREMOTE required to program SCP motion sensor
4. Replace "_" with "14" for up to 14' mounting height, "40F" for 15-40' mounting height
5. Replace "_" with "12" for up to 12' mounting height

STOCK ORDERING INFORMATION

Catalog Number	Lumens	Wattage	LED Count	CCT/CRI	Voltage	Distribution	Mounting	Finish
RAR1-100-4K-3	12,000	100W	160L	4000K/70CRI	120-277V	Type 3	Square Arm	Bronze
RAR1-100-4K-4W	12,000	100W	160L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze
RAR1-135-4K-3	18,000	135W	160L	4000K/70CRI	120-277V	Type 3	Square Arm	Bronze
RAR1-135-4K-4W	18,000	135W	160L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze
RAR2-165-4K-3	21,000	165W	320L	4000K/70CRI	120-277V	Type 3	Square Arm	Bronze
RAR2-165-4K-4W	21,000	165W	320L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze

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RATIO SERIES

AREA/SITE LIGHTER

OPTIONS AND ACCESSORIES - STOCK (ORDERED SEPARATELY)

	Catalog Number	Description
☐	**RARRPA3DB**	Round pole adapter 3.5" to 4.13" for ASQ arm, 3.5" to 4.13" OD pole, dark bronze finish
☐	**RARA3UDB**	Universal mount for square pole or round pole 3.5" to 4.13", dark bronze finish
☐	**RARBC80L**	Ratio blacklight control 80L
☐	**RARBC160L**	Ratio blacklight control 160L
☐	**RARBC320L**	Ratio blacklight control 320L
☐	**RARBC480L**	Ratio blacklight control 480L

ACCESSORIES AND REPLACEMENT PARTS - MADE TO ORDER

	Catalog Number	Description
☐	**RAR–ASQU–XX**	Universal arm mount for square pole/flat surface[2]
☐	**RAR–A_U-XX**	Universal arm mount for round poles[1,2]
☐	**RAR–RPA_–XX**	Round pole adapter[1, 2]
☐	**SETAVP-XX**	4" square pole top tenon adapter, 2 3/8" OD slipfitter[2]
☐	**RETAVP-XX**	4" round pole top tenon adapter; 2 3/8" OD slipfitter for max. Four fixtures (90o); order 4" round pole adapters separately[2]
☐	**BIRD–SPIKE–3**	Ratio size 1 bird deterrent/spikes
☐	**BIRD–SPIKE–4**	Ratio size 2 bird deterrent/spikes
☐	**RARWB–XX**	Wall bracket - use with Mast Arm Fitter or Knuckle[2]

1 Replace "_" with "3" for 3.5"-4.13" OD pole, "4" for 4.18"-5.25" OD pole, "5" for 5.5"-6.5" OD pole

2 Replace "XX" with desired color/paint finish

CONTROLS

Control Options	
Standalone	
SW7PR	SiteSync™ on fixture module via 7PR
SWUSB	SiteSync™ Software on USB
SWTAB	SiteSync™ Windows Tablet
SWBRG	SiteSync™ Wireless Bridge Node
SWFC	SiteSync™ Field Commission Serve
SCPREMOTE	Order at least one per project location to program and control
Networked – Wireless	
WIR-RME-L	wiSCAPE External Fixture Module[1,2]
NX Networked – Wireless	
NXOFM-1R1D-UNV	NX Wireless, Daylight Harvesting, BLE, 7 pin twisted lock

Notes:

1 Works with external networked photosensor

2 wiSCAPE Gateway required for system programming

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RATIO SERIES

AREA/SITE LIGHTER

PERFORMANCE DATA

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
RAR1	25	25.4	2	3438	135	1	0	1	3445	136	1	0	1	3240	128	1	0	1
			3	3460	136	1	0	1	3467	136	1	0	1	3260	128	1	0	1
			4W	3406	134	1	0	1	3412	134	1	0	1	3209	126	1	0	1
			5QW	3483	137	2	0	1	3490	137	2	0	1	3282	129	2	0	1
	39	39	2	5263	139	1	0	2	5273	139	1	0	2	4960	131	1	0	2
			3	5297	139	1	0	2	5308	140	1	0	2	4991	131	1	0	2
			4W	5200	137	1	0	2	5210	137	1	0	2	4900	129	1	0	2
			5QW	5333	140	3	0	1	5344	141	3	0	1	5025	132	3	0	1
	50	49.8	2	6310	127	1	0	2	6323	127	1	0	2	5946	120	1	0	2
			3	6349	128	1	0	2	6362	128	1	0	2	5983	120	1	0	2
			4W	6233	125	1	0	2	6245	126	1	0	2	5873	118	1	0	2
			5QW	6392	129	3	0	1	6405	129	3	0	1	6023	121	3	0	1
	70	68.4	2	9486	139	1	0	2	9505	139	1	0	2	8938	131	1	0	2
			3	9544	140	1	0	2	9563	140	1	0	2	8993	131	1	0	2
			4W	9395	137	1	0	2	9414	138	1	0	2	8853	129	1	0	2
			5QW	9608	140	4	0	2	9628	141	4	0	2	9054	132	4	0	2
	100	90.0	2	11976	133	2	0	2	12000	133	2	0	2	11285	125	2	0	2
			3	12050	134	2	0	2	12074	134	2	0	2	11354	126	2	0	2
			4W	11861	132	2	0	2	11885	132	2	0	2	11177	124	2	0	2
			5QW	12131	135	4	0	2	12155	135	4	0	2	11431	127	4	0	2
	115	109.7	2	15572	142	2	0	2	15494	141	2	0	2	14871	136	2	0	2
			3	15833	144	2	0	2	15754	144	2	0	2	15121	138	2	0	2
			4W	15281	139	2	0	3	15205	139	2	0	3	14623	133	2	0	3
			5QW	15732	143	4	0	2	15653	143	4	0	2	15024	137	4	0	2
	135	133.3	2	17971	135	3	0	3	17881	134	3	0	3	17163	129	3	0	3
			3	18272	137	2	0	2	18181	136	2	0	2	17450	131	2	0	2
			4W	17635	132	2	0	3	17547	132	2	0	3	16876	127	2	0	3
			5QW	18156	136	4	0	2	18065	136	4	0	2	17339	130	4	0	2

RAR2 Performance Data on next page

* Lumen values are from photometric test performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

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RATIO SERIES

AREA/SITE LIGHTER

PERFORMANCE DATA

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
RAR2	110	100.3	2	15326	153	2	0	3	15357	153	2	0	3	14442	144	2	0	3
			3	15421	154	2	0	3	15452	154	2	0	3	14531	145	2	0	3
			4W	15180	151	2	0	2	15210	152	2	0	2	14304	143	2	0	2
			5QW	15525	155	4	0	2	15556	155	4	0	2	14629	146	4	0	2
	140	133.2	2	19395	146	2	0	3	19434	146	2	0	3	18276	137	2	0	3
			3	19515	147	2	0	3	19554	147	2	0	3	18389	138	2	0	3
			4W	19210	144	2	0	3	19248	145	2	0	3	18101	136	2	0	3
			5QW	19647	148	5	0	3	19686	148	5	0	3	18513	139	5	0	3
	165	153.6	2	21651	141	3	0	3	21695	141	3	0	3	20402	133	3	0	3
			3	21785	142	3	0	3	21828	142	3	0	3	20527	134	3	0	3
			4W	21444	140	3	0	3	21487	140	3	0	3	20206	132	3	0	3
			5QW	21932	143	5	0	3	21976	143	5	0	3	20666	135	5	0	3
	185	174.5	2	26046	149	3	0	3	26098	150	3	0	3	24543	141	3	0	3
			3	26207	150	3	0	3	26259	150	3	0	3	24694	142	3	0	3
			4W	25797	148	3	0	4	25849	148	3	0	4	24308	139	3	0	4
			5QW	26384	151	5	0	3	26437	152	5	0	3	24861	143	5	0	3
	210	198.2	2	28848	145	3	0	4	28906	146	3	0	4	27184	137	3	0	4
			3	29027	146	3	0	4	29085	147	3	0	4	27351	138	3	0	4
			4W	28572	144	3	0	4	28630	144	3	0	4	26924	136	3	0	4
			5QW	29222	147	5	0	4	29281	148	5	0	4	27536	139	5	0	4
	240	226.9	2	32087	141	3	0	4	32151	142	3	0	4	30235	133	3	0	4
			3	32285	142	3	0	4	32350	143	3	0	4	30422	134	3	0	4
			4W	31780	140	3	0	4	31844	140	3	0	4	29946	132	3	0	4
			5QW	32503	143	5	0	4	32568	144	5	0	4	30627	135	5	0	4
	255	257.0	2	37040	144	3	0	4	36854	143	3	0	4	35373	138	3	0	4
			3	37660	147	3	0	4	37472	146	3	0	4	35966	140	3	0	4
			4W	36347	141	3	0	5	36166	140	3	0	5	34782	135	3	0	5
			5QW	37420	146	5	0	4	37233	145	5	0	4	35736	139	5	0	4
	295	294.0	2	41733	142	3	0	4	41524	141	3	0	4	39855	136	3	0	4
			3	42432	144	3	0	4	42220	144	3	0	4	40523	138	3	0	4
			4W	40953	139	3	0	5	40748	139	3	0	5	39190	133	3	0	5
			5QW	42162	143	5	0	4	41951	143	5	0	4	40264	137	5	0	4
	340	347.1	2	48392	139	4	0	5	48150	139	4	0	5	46215	133	4	0	5
			3	49203	142	3	0	4	48957	141	3	0	4	46989	135	3	0	4
			4W	47488	137	4	0	5	47261	136	4	0	5	45443	131	4	0	5
			5QW	48889	141	5	0	5	48645	140	5	0	5	46689	135	5	0	5

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RATIO SERIES

AREA/SITE LIGHTER

ELECTRICAL DATA

# OF LEDS	Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
RAR1	25	120	0.21	25.4
		208	0.12	
		240	0.11	
		277	0.09	
	39	120	0.32	38.0
		208	0.18	
		240	0.16	
		277	0.14	
		347	0.11	
		480	0.08	
	50	120	0.42	49.8
		208	0.24	
		240	0.21	
		277	0.18	
	70	120	0.57	68.4
		208	0.33	
		240	0.29	
		277	0.25	
	100	120	0.75	90.0
		208	0.43	
		240	0.38	
		277	0.32	
	115	120	0.91	109.7
		208	0.53	
		240	0.46	
		277	0.40	
		347	0.32	
		480	0.23	
	135	120	1.11	133.3
		208	0.64	
		240	0.56	
		277	0.48	
		347	0.38	
		480	0.28	

# OF LEDS	Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
RAR2	110	120	0.84	100.3
		208	0.48	
		240	0.42	
		277	0.36	
	140	120	1.11	133.2
		208	0.64	
		240	0.56	
		277	0.48	
	165	120	1.28	153.6
		208	0.74	
		240	0.64	
		277	0.55	
	185	120	1.45	174.5
		208	0.84	
		240	0.73	
		277	0.63	
	210	120	1.65	198.3
		208	0.95	
		240	0.83	
		277	0.72	
	240	120	1.89	226.9
		208	1.09	
		240	0.95	
		277	0.82	
	255	120	2.14	257.0
		208	1.24	
		240	1.07	
		277	0.93	
		347	0.74	
		480	0.54	
	295	120	2.45	294.0
		208	1.41	
		240	1.23	
		277	1.06	
		347	0.85	
		480	0.61	
	340	120	2.89	347.1
		208	1.67	
		240	1.45	
		277	1.25	
		347	1.00	
		480	0.72	

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

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

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

PROJECTED LUMEN MAINTENANCE

Ambient Temperature	OPERATING HOURS					
	0	25,000	TM-21-11 L90 36,000	50,000	100,000	L70 (Hours)
25°C / 77°F	1.00	0.97	0.95	0.93	0.86	238,000
40°C / 104°F	0.99	0.96	0.95	0.93	0.85	225,000

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HUBBELL Lighting

HUBBELL Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

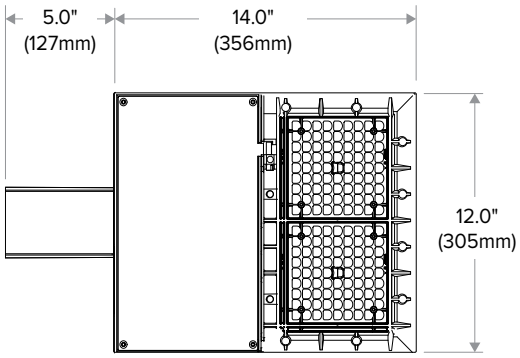
CATALOG #:

RATIO SERIES

AREA/SITE LIGHTER

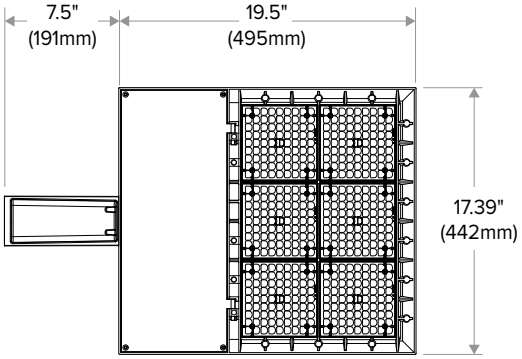
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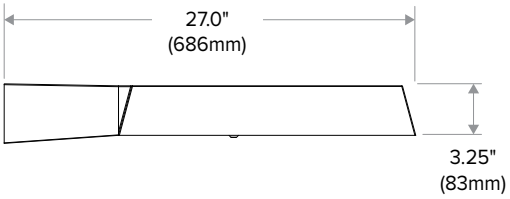
RAR1





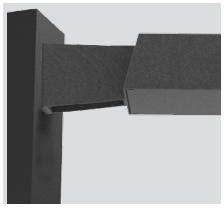
RAR2



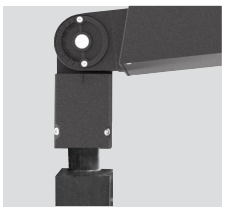


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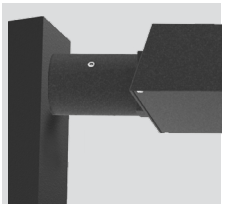
MOUNTING



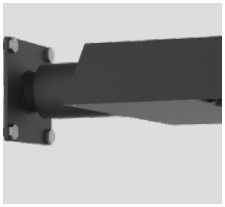
Arm Mount – Fixture ships with integral arm for ease of installation. Compatible with Hubbell Outdoor B3 drill pattern.



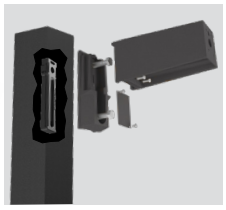
Knuckle – Knuckle mount 15° aiming angle increments for precise aiming and control, fits 2-3/8" tenons or pipes.



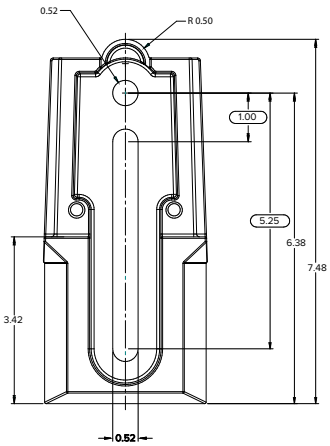
MAF – Fits 2-3/8" OD arms Roadway applications.



Wall Mount – Wall mount bracket designed for building mount applications.



Universal Mounting – Universal mounting block for ease of installation. Compatible with drill patterns from 2.5" to 4.5"



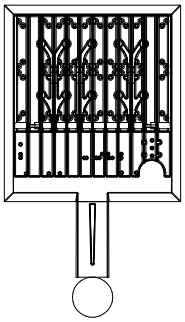
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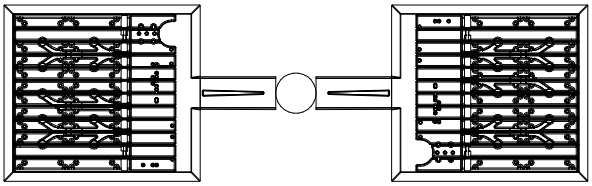
RATIO SERIES

AREA/SITE LIGHTER

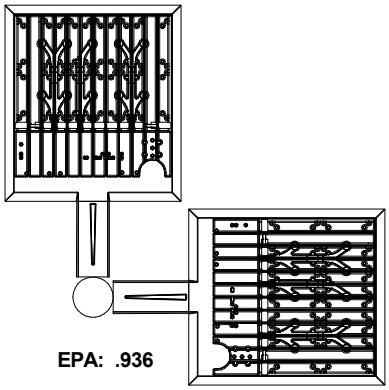
EPA



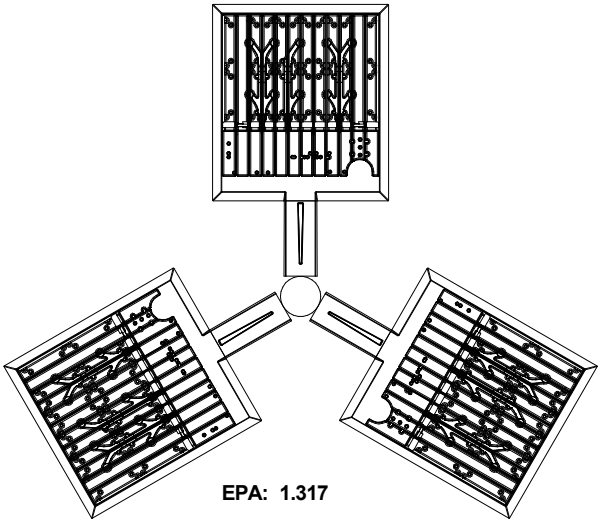
EPA: .607



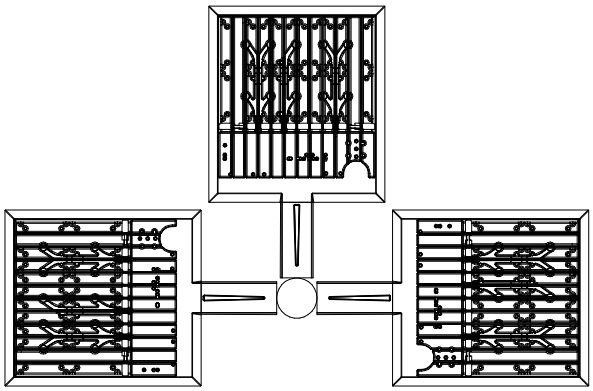
EPA: 1.214



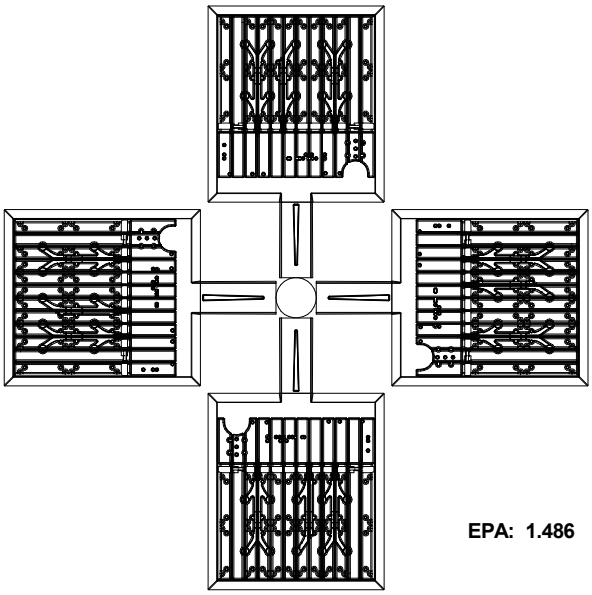
EPA: .936



EPA: 1.317



EPA: 1.486



EPA: 1.486

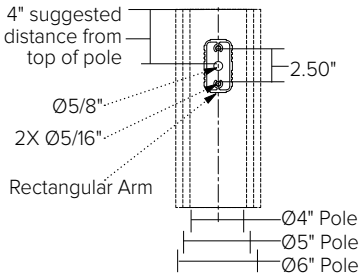
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RATIO SERIES

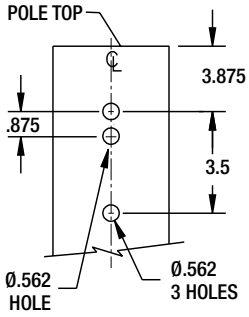
AREA/SITE LIGHTER

ADDITIONAL INFORMATION (CONT'D)

ARM MOUNT (ASQ)
Compatible with Pole drill pattern B3



UNIVERSAL MOUNTING (ASQU)
Compatible with pole drill pattern S2



SITESYNC 7-PIN MODULE



SW7PR

SiteSync LIGHTING CONTROL

- SiteSync features in a new form
- Available as an accessory for new construction or retrofit applications (with existing 7-Pin receptacle)

PROGRAMMED CONTROLS

ADD-AutoDim Timer Based Options

- Light delay options from 1-9 hours after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1-9 hours after the light has been dimmed previously.

EX: ADD-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	1-9 Hours	6
Auto-Dim Brightness	0-9% Brightness	5
Auto-Dim Return	Delay 0-9 Hours	R6

ADT-AutoDim Time of Day Based Option

- Light delay options from 1AM-9PM after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1AM-9PM after the light has been dimmed previously.

EX: ADT-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	12-3 AM and 6-11 PM	6
Auto-Dim Brightness	0-9% Brightness	5
Auto-Dim Return	12-6 AM and 9-11P	R6

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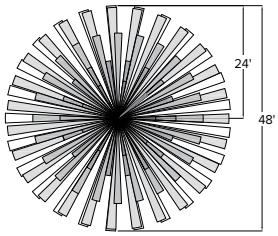
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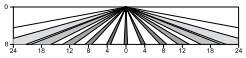
RATIO SERIES

AREA/SITE LIGHTER

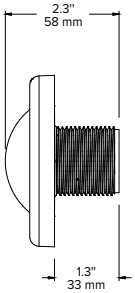
ADDITIONAL INFORMATION (CONT'D)

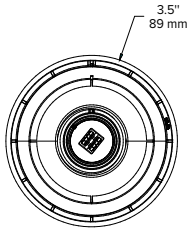
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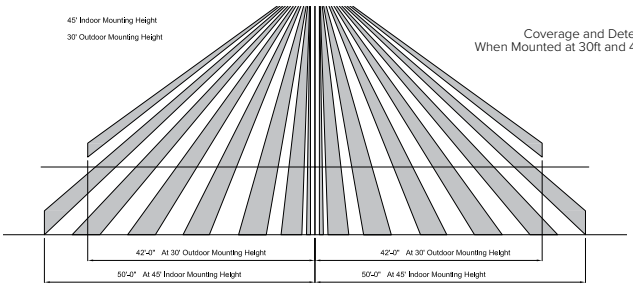


Sensor Lens Coverage and Detection Patterns
When Mounted at 8ft with Low Mount Lens

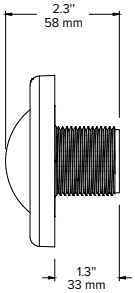


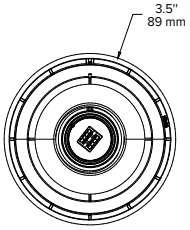


NXSP-30F

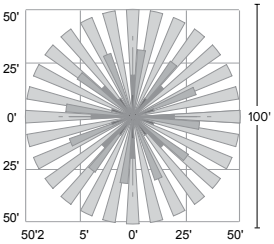


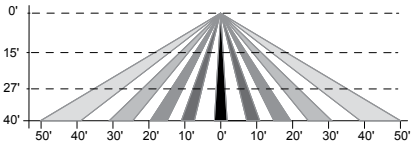
Coverage and Detection Patterns
When Mounted at 30ft and 45ft with Standard Lens

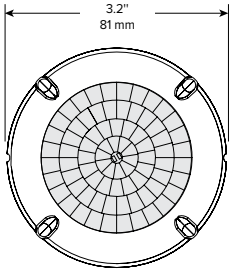


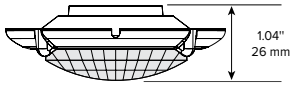


SCP-40F









RAR1 EPA

RAR-1	
EPA at 0˚	EPA at 30˚
.45ft.^{2} .13m^2	.56ft.^{2} .17m^2

RAR2 EPA

RAR-2	
EPA at 0˚	EPA at 30˚
.55ft.^{2} .17m^2	1.48ft.^{2} .45m^2

SHIPPING

Catalog Number	G.W(kg)/ CTN	Carton Dimensions		
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)
RAR1	15 (6.8)	20.75 (52.7)	15.125 (38.4)	6.9375 (17.6)
RAR2	19 (8.6)	25 (63.5)	15.125 (38.4)	6.9375 (17.6)

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HUBBELL Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

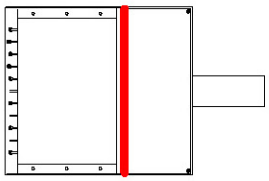
RATIO SERIES

AREA/SITE LIGHTER

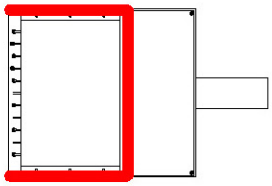
ADDITIONAL INFORMATION (CONT'D)

RATIO HOUSE SIDE SHIELD

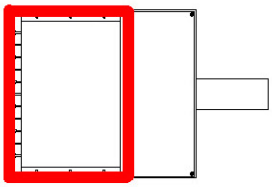
RARx HSS-90-B-xx



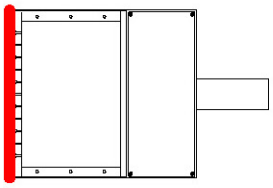
RARx HSS-270-BSS-xx



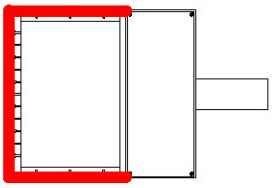
RARx HSS-360-xx



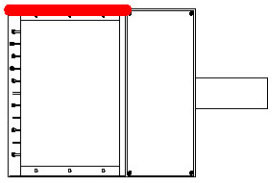
RARx HSS-90-F-xx



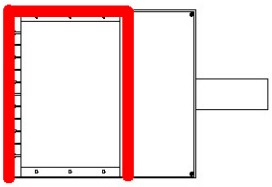
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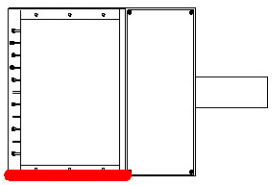
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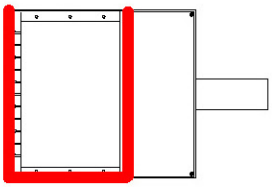
RARx HSS-270-FSB-xx



RARx HSS-90-S-xx



RARx HSS-270-FSB-xx



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HUBBELL®
Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO Wall

RWL1/RWL2 LED WALLPACK

FEATURES

- Low profile LED wall luminaire with a variety of IES distributions for lighting applications such as retail, commercial and industrial building mount
- Featuring Micro Strike Optics which maximizes target zone illumination with minimal losses at the house-side, reducing light trespass issues
- Visual comfort standard
- Control options including photo control, occupancy sensing, NX Distributed Intelligence™, Wiscape and 7-Pin with networked controls
- Battery Backup options available for emergency code compliance
- Quick-mount adapter allows easy installation/maintenance
- 347V and 480V versions for industrial applications and Canada
- Stock versions available in 3500lm and 5500lm configurations at 4000K

C US

BUY AMERICAN SOLUTIONS
See Certification Specifications

DLC QPL LISTED

DLC QPL LISTED PREMIUM



RELATED PRODUCTS

Ratio Family | Ratio Area | Ratio Flood

CONTROL TECHNOLOGY

SiteSync Lighting Control | NX DISTRIBUTED™ INTELLIGENCE | wiSCAPE™

SPECIFICATIONS

CONSTRUCTION

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

OPTICS

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

INSTALLATION

- Quick-mount adapter provides easy installation to wall or to recessed junction boxes (4" square junction box)
- Designed for direct j-box mount.
- Integral back box contains 1/2" conduit hubs
- Integral back box standard with Dual Driver, Dual Power Feed, NX, Wiscape and battery versions (battery versions for RWL1 only)

ELECTRICAL

- 120V-277V universal voltage 50/60Hz 0-10V dimming drivers
- 347V and 480V dimmable driver option for all wattages above 35W.

ELECTRICAL (CONTINUED)

- Ambient operating temperature -40˚C to 40˚C
- Drivers have greater than .90 power factor and less than 20% Total Harmonic Distortion
- Driver RoHS and IP66
- Field replaceable surge protection device provides 20kA protection meeting ANSI/IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device is compromised
- Dimming drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than 6" standard.

CONTROLS

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

CONTROLS (CONTINUED)

- Dual Driver and Dual Power Feed options creates product configuration with 2 internal drivers for code compliance
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application.

CERTIFICATIONS

- Listed to UL1598 and CSAC22.2#250.0-24 for wet locations
- IP65 rated housing
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 04/23/2020. See Buy American Solutions
- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Please refer to the DLC website for specific product qualifications at www.designlights.org

WARRANTY

- 5 year limited warranty
- See HLI Standard Warranty for additional information

KEY DATA	
Lumen Range	1,300–18,800
Wattage Range	10–155
Efficacy Range (LPW)	119–148
Fixture Projected Life (Hours)	L70>60K
Weights lbs. (kg)	6.5/16.5 (2.9/7.5)

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HUBBELL® Lighting

HUBBELL®
Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO WALL

RWL1/RWL2 LED WALLPACK

ORDERING GUIDE

Example: RWL1–48L-10–3K7–2–UNV–BLS–E

CATALOG #

ORDERING INFORMATION

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

Control Options Network	
NXWE	NX Wireless Enabled (module + radio)[4,7]
NXSPW_F	NX Wireless, PIR Occ. Sensor, Daylight Harvesting[4,5,7]
NXSP_F	NX, PIR Occ. Sensor, Daylight Harvesting[4,5,7]
WIR	Wireless Controls, wiSCAPE™ [2,6]
Stand Alone Sensors	
SCP-8F	Remote control programmable line voltage sensor[3,4]
SCP-20F	Remote control programmable line voltage sensor[3,4]
BTS-14F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor [10]
BTS-40F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor [10]
BTSO-12F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor, up to 12'mounting height [10]
Control Options	
7PR_	7-Pin Receptacle[6]

Options*	
F	Fusing[3]
E	Emergency Battery Backup[7,8,9]
EH	Emergency Battery w/ Heater Option[7,8]
2DR	Dual Driver[4,6,11]
2PF	Dual Power Feed[4,6,11]
PC	Button Photocontrol[8]

Notes:
1 Only available with RWL2
2 wiSCAPE Gateway required for system programming
3 Specific voltage selection is required
4 Not available with 347/480V
5 Replace "_" with "14" for up to 14' mounting height, "40" for up to 40' mounting height
6 This item is located in the integral backbox which will be automatically added onto the fixture if chosen.
7 This item is located in the integral backbox for RWL1 configurations only.
8 Option only available at 120 or 277V
9 2DR and 2PF can't be combined with E and EH due to space limitaions
10 Not available in RWL1 or 2 PF
11 Available only in UNV in 25, 35 and 45 Watt in RWL1; Not available in RWL1 10, 15 and 25 Watt.
* Based on space limitations, some options may not be able to be combined

STOCK ORDERING INFORMATION

Catalog Number	Lumens	Wattage	LED Count	CCT/CRI	Voltage	Distribution	Finish
RWL1-48L-25-4K-3	3500lm	25	48L	4000K/70CRI	120-277V	Type III	Dark Bronze Textured
RWL1-48L-25-4K-4W	3500lm	25	48L	4000K/70CRI	120-277V	Type IV Wide	Dark Bronze Textured
RWL1-48L-45-4K-3	5500lm	45	48L	4000K/70CRI	120-277V	Type III	Dark Bronze Textured
RWL1-48L-45-4K-4W	5500lm	45	48L	4000K/70CRI	120-277V	Type IV Wide	Dark Bronze Textured

CONTROLS

Control Options	
Standalone	
SCPREMOTE	Order at least one per project location to program and control

ACCESSORIES AND REPLACEMENT PARTS - MADE TO ORDER

Catalog Number	Description
WP-BB-XXX	Accessory for conduit entry[1]

Notes:
1 replace "xxx" with color option

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Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO WALL

RWL1/RWL2 LED WALLPACK

PERFORMANCE DATA

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

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Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO WALL

RWL1/RWL2 LED WALLPACK

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

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

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

PROJECTED LUMEN MAINTENANCE

Ambient Temperature	OPERATING HOURS					
	0	25,000	TM-21-11 L90 36,000	50,000	100,000	L70 (Hours)
25°C / 77°F	1.00	0.97	0.96	0.95	0.91	408,000
40°C / 104°F	0.99	0.96	0.95	0.94	0.89	356,000

ELECTRICAL DATA

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

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

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DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

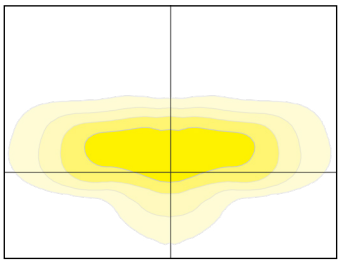
RATIO WALL

RWL1/RWL2 LED WALLPACK

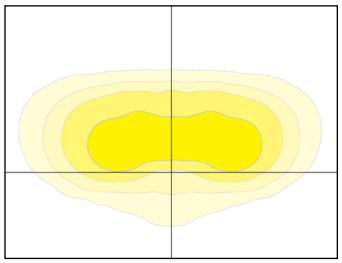
PHOTOMETRY

Mounting Height: 30ft

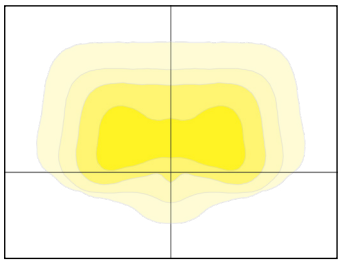
Type II



Type III

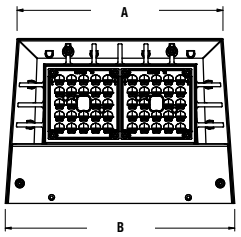


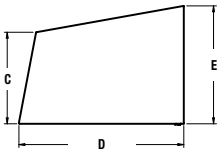
Type VI



DIMENSIONS

RWL1

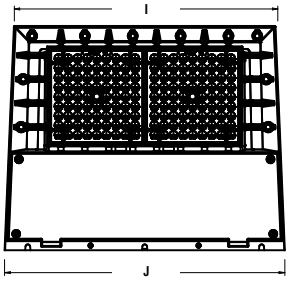


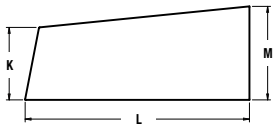


A	B	C	D	E
8.7"	9.7"	3.9"	7.0"	5.0"
221mm	246mm	99mm	178mm	127mm

Weight
6.5 lbs (2.95 kgs)

RWL2

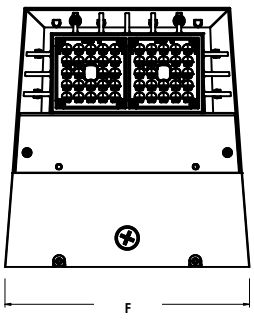


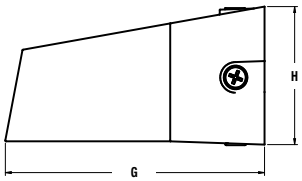


I	J	K	L	M
14.0"	15.0"	3.9"	12.0"	5.0"
356mm	381mm	99mm	305mm	127mm

Weight
16.5 lbs (7.48 kgs)

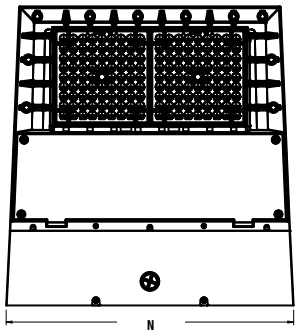
RWL1 with Integral Back Box

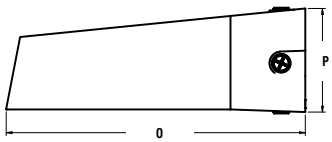




F	G	H
10.4"	11.0"	5.9"
264mm	279mm	150mm

RWL2 with Integral Back Box





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

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DATE: LOCATION:

TYPE: PROJECT:

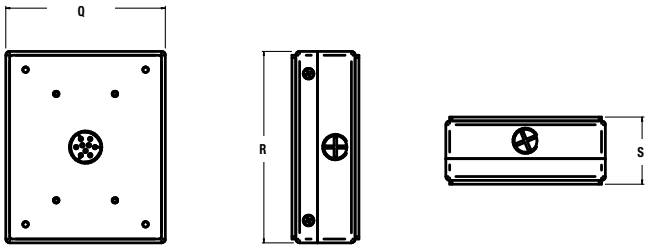
CATALOG #:

RATIO WALL

RWL1/RWL2 LED WALLPACK

DIMENSIONS (CONTINUED)

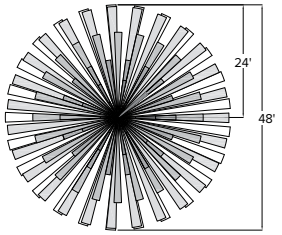
Back Box Accessory

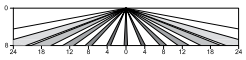


Q	R	S
4.9" 124mm	5.9" 150mm	2.1" 53mm

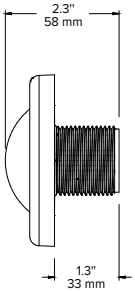
ADDITIONAL INFORMATION

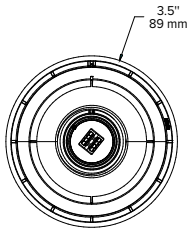
NXSP-14F



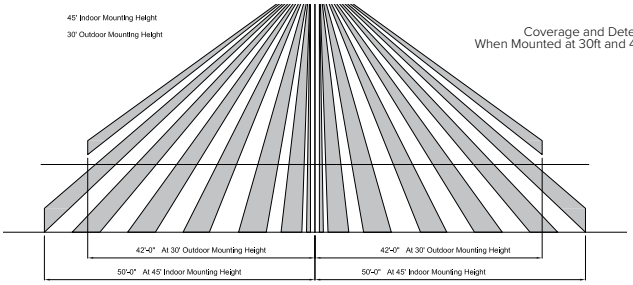


Sensor Lens Coverage and Detection Patterns
When Mounted at 8ft with Low Mount Lens

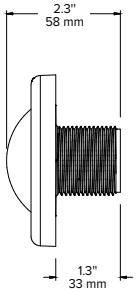


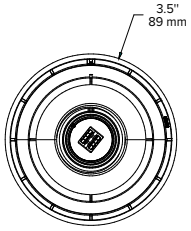


NXSP-40F

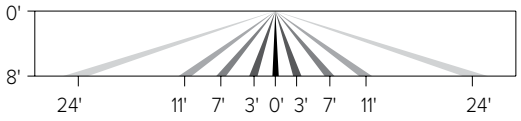


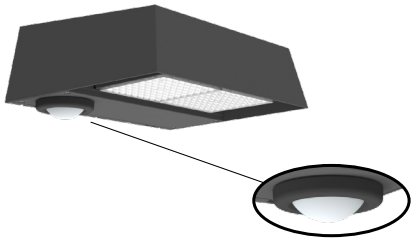
Coverage and Detection Patterns
When Mounted at 30ft and 45ft with Standard Lens

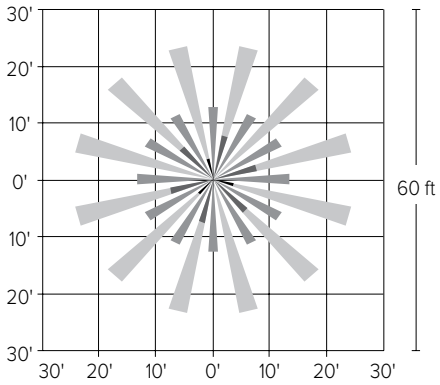


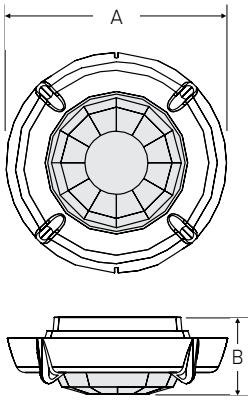


SCP-8F









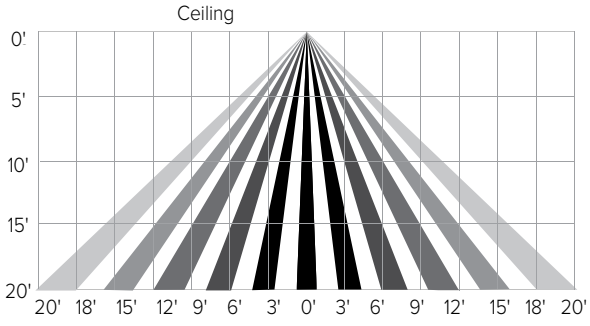
A	B
2.3" (59mm)	.8" (20mm)

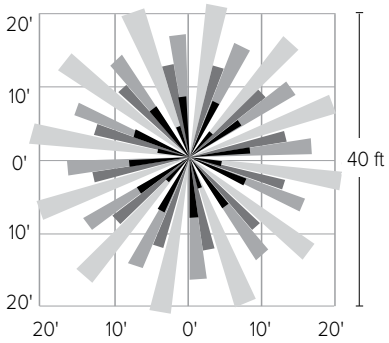
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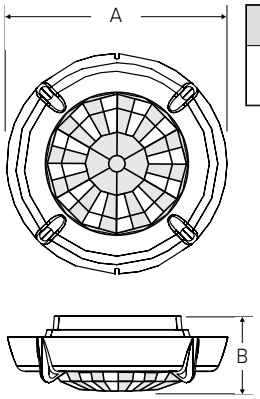
RATIO WALL

RWL1/RWL2 LED WALLPACK

SCP-20F

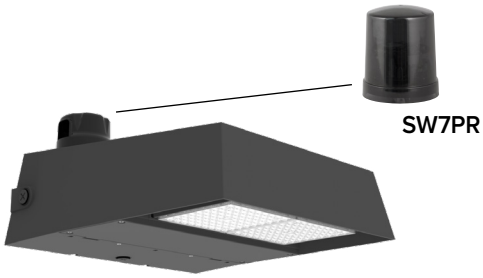






A	B
2.3" (59mm)	.8" (20mm)

SITESYNC 7-PIN MODULE



SW7PR

SiteSync™ LIGHTING CONTROL

- SiteSync features in a new form
- Available as an accessory for new construction or retrofit applications (with existing 7-Pin receptacle)

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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:	September 13, 2022
APPLICANT:	Arlyn Samuelson; *Westwood Professional Services*
CASE NUMBER:	SP2022-047; *Site Plan for SPR Packaging*

SUMMARY

Discuss and consider a request by Arlyn Samuelson of Westwood Professional Services on behalf of Carolina Molina of Alvaplast US, Inc. for the approval of a *Site Plan* for an Industrial Building on a 43.00-acre parcel of land identified as Lot 2, Block 1, Indalloy Addition, City of Rockwall, Rockwall County, Texas, zoned Light Industrial (LI) District, addressed as 1200 E. Washington Street and 501 Industrial Boulevard, and take any action necessary.

BACKGROUND

The subject property was originally annexed into the City of Rockwall on February 6, 1961 by *Ordinance No. 60-01*. According to the January 3, 1972 zoning map the subject property was zoned Light Industrial (LI) District. According to the Rockwall Central Appraisal District (RCAD) existing on the subject property is a 15,955 SF light manufacturing building constructed in 1978, a 101,250 SF light manufacturing building constructed in 1978, and a 6,388 SF office building constructed in 1978. On July 13, 2000, the City Council approved a final plat that established a portion of the property as Lot 1, Block 1, Indalloy Addition. On August 5, 2019, the City Council approved to replat the subject property as Lot 2, Block 1, Indalloy Addition. According to RCAD, there is also a 78,760 SF light manufacturing building that was constructed in 2019; this building serves as one (1) of SPR Packaging's facilities.

PURPOSE

On August 19, 2022, the applicant – *Arlyn Samuelson of Westwood Professional Services* -- submitted an application requesting the approval of a *Site Plan* for the purpose of constructing a *warehouse/distribution center* on the subject property.

ADJACENT LAND USES AND ACCESS

The subject property is addressed as 1200 E. Washington Street and 501 Industrial Boulevard. The land uses adjacent to the subject property are as follows:

North: Directly north of the subject property are two (2) vacant tracts of land (*i.e. Tract 31 of the R. Ballard Survey, Abstract No. 29, and Lot 1, Block 1, of the Indalloy Addition*) zoned Planned Development District 87 (PD-87) for Single Family 10 (SF-10), Commercial (C), and Light Industrial (LI) land uses. Beyond this is W Washington Street, which is identified as a TxDOT4D (*i.e. Texas Department of Transportation Principle Arterial Roadway*) on the Master Thoroughfare Plan contained in the OURHometown Vision 2040 Comprehensive Plan. North of this roadway Harry Myers Park.

South: Directly south of the subject property is a 100' right-of-way owned by the Union Pacific/Dallas Garland NE Railroad. Beyond this are three (3) parcels of land zoned Light Industrial (LI) District. Beyond this is Justin Road, which is identified as a M4D (*i.e. major collector, four [4] land, divided roadway*) on the Master Thoroughfare Plan contained in the OURHometown Vision 2040 Comprehensive Plan. Beyond this is a 90.68-acre vacant tract of land zoned Light Industrial (LI) District.

East: Directly east of the subject property is Industrial Boulevard, which is identified as a M4U (*i.e. major collector, four [4] land, undivided roadway*) on the Master Thoroughfare Plan contained in the OURHometown Vision 2040 Comprehensive Plan. Beyond this are the Leon Tuttle Athletic Complex. Beyond this is a 10.00-acre tract of land developed with the City of Rockwall Service Center zoned Light Industrial (LI) District. Beyond this is John King Boulevard, which is identified as a P6D (*i.e. principal arterial, six [6] lane, divided roadway*) on the Master Thoroughfare Plan contained in the OURHometown Vision 2040 Comprehensive Plan.

West: Directly west of the subject property are the Park Place West Phase 2 and 3 Subdivisions, which are zoned Planned Development District 59 (PD-59) for Single Family 7 (SF-7) District land uses. Beyond this are several single-family homes zoned Single Family 7 (SF-7) District. Beyond this is Renfro Street, which is identified as a *Minor Collector* on the Master Thoroughfare Plan contained in the OURHometown Vision 2040 Comprehensive Plan.

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* 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=43.0139-acres; In Conformance*
Minimum Lot Frontage	*100-Feet*	*X= 788.63-feet; In Conformance*
Minimum Lot Depth	*125-Feet*	*X=578.23-feet; In Conformance*
Minimum Front Yard Setback	*25-Feet*	*X>25-feet; In Conformance*
Minimum Rear Yard Setback	*10-Feet*	*X=94.9-feet; In Conformance*
Minimum Side Yard Setback	*15-Feet*	*X=89.9-feet; In Conformance*
Maximum Building Height	*60-Feet*	*X=48.5-feet; In Conformance*
Max Building/Lot Coverage	*60%*	*X=08.20%; In Conformance*
Minimum Number of Parking Spaces	*1 Parking Space/1000 SF (149 Required)* *1 Parking Space/ 300 SF (31 Required)* *Total = 180 Parking Spaces*	*X=50; Non-Conforming*
Minimum Landscaping Percentage	*20%*	*X>20.00%; In Conformance*
Maximum Impervious Coverage	*90-95%*	*X<90%; In Conformance*

TREESCAPE PLAN

The Treescape Plan provided by the applicant indicates that 276 caliper inches of trees will be removed from the property as a result of the development. As part of the proposed development the applicant's landscape plan shows that 62.00, four (4) inch caliper canopy trees will be planted at a total of 248.00 caliper inches and protecting one (1) 30 caliper inch Elm Tree. Based on this the proposed landscape plan satisfies the mitigation balance.

CONFORMANCE WITH THE CITY'S CODES

According to Subsection 02.02(D)(2), *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." In this case, the applicant is requesting a *Warehouse/Distribution Center*, which are permitted by right according to Section 01, *Land Use Schedule*, of Article 04, *Permissible Uses*, of the Unified Development Code (UDC).

According to Subsection 05.02(B), *Screening from Residential*, of Article 08, *Landscape and Fence Standards*, of the Unified Development Code (UDC) states that "(a)ny non-residential or multi-family land use or parking area that has a side or rear contiguous to any residentially zoned or used property shall be screened with a masonry fence a minimum of six (6) feet in

height with canopy trees planted on 20-foot centers." In this case, the subject property has residential adjacencies along the west property line, where there is an existing row of evergreen trees, followed by a chain link fence, another row of young canopy trees, and applicant is proposing an additional row of Live Oak Trees.

According to Subsection 05.05, *Xeriscaping/Smartscaping Standards*, of Article 08, *Landscape and Fence Standards*, of the Unified Development Code (UDC), "(d)rainage or detention areas that utilize native grasses in lieu of turf shall be exempt" from planting "one [1] tree per every 750 SF and one [1] accent tree per 1,500 SF of detention area. Instead, a shrub or ornamental grass per every 750 SF of dry land area shall be required to be planted on the site or around the detention area." This section also states that "(a)ll xeriscape/smartscape plans shall require approval by the Planning and Zoning Commission…" In this case, the Planning and Zoning Commission will consider the applicant's xeriscaping/smartscaping landscape plan as part of the request.

The proposed site plan also 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) *Construction Standards*.

(a) *Materials and Masonry Composition.* According to Subsection 05.01(A)(1), *General Industrial District Standards*, 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..." In this case, the applicant has proposed less than 90% cementitious material on each façade of the buildings. This will require an *exception* from the Planning and Zoning Commission.

(b) *Stone.* According to Subsection 05.01 (A)(1)(a)(1), *General Industrial District Standards*, 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 requesting less than 20% stone on each façade. This will require an *exception* from the Planning and Zoning Commission.

(c) *Primary Building Materials.* According to Subsection 05.01(A)(1)(a)(2) of Article 05*, 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." This will require an *exception* from the Planning and Zoning Commission.

(2) Building Articulation.

(a) *Primary and Secondary Building Facades*. According to Subsection 05.01 (C), *General Industrial District Standards*, of Article 05, *District Development Standards*, of the Unified Development Code (UDC), for primary building facades a "wall length shall not exceed four (4) times the wall height" and for secondary building facades a "wall length shall not exceed three (3) times the wall height." This will require and *exception* from the Planning and Zoning Commission.

(3) *Parking*.

(a) *Parking Requirement Schedule*. According to Table 5, *Parking Requirement Schedule*, of Article 06, *Parking and Loading*, of the Unified Development Code (UDC), parking for a *Warehouse/Distribution Center* is 1/1000 SF and parking for an *Office* is 1/300 SF. In this case, the applicant is required 180 parking spaces and they are showing 50 parking spaces. This will require an *exception* from the Planning and Zoning Commission.

According to Subsection 09.01, *Exceptions to the General Standards*, of Article 11, *Development Applications and Review Procedures*, of the Unified Development Code (UDC), "…an applicant may request the Planning and Zoning Commission grant an exception 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 would create an undue hardship." In addition, the code requires that the applicant provide compensatory measures that directly offset the requested exceptions. As compensatory measures for this case, the applicant is proposing to provide additional landscaping along the west property line adjacent to the residential subdivision and along the north property line. Requests for exceptions to the *General Standards* 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" with the majority of the "industrial land uses adjacent to the Union Pacific/Dallas Garland and Northeastern Rail Road line that bisects the district." Strategy #2 in the *Central District* reinforces that the properties adjacent to the railroad tracks are "naturally suitable for Technology/Industrial land uses." In this case, the applicant is proposing a *Warehouse/Distribution Center* along the railroad tracks. 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 August 30, 2022 the Architecture Review Board approved a motion to recommend approval of the building elevations by a vote of 6-0, with Board Member Craddock absent.

CONDITIONS OF APPROVAL

If the Planning and Zoning Commission chooses to approve the applicant's *Site Plan* for the establishment of a *warehouse/distribution center* 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) 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	1480 Justin Road				
SUBDIVISION	Indalloy Addition	LOT	2	BLOCK	1
GENERAL LOCATION	Approx. 700 feet south of E. Washington St. and 450 feet west of Airport Rd.				

ZONING, SITE PLAN AND PLATTING INFORMATION [PLEASE PRINT]

CURRENT ZONING	Light Industrial (LI)	CURRENT USE	Unoccupied Industrial Building		
PROPOSED ZONING	No Change	PROPOSED USE	Industrial Distribution Center		
ACREAGE	43.0	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 U.S., Inc.	☐ APPLICANT	Westwood Professional Services
CONTACT PERSON	Carolina Molina	CONTACT PERSON	Arlyn Samuelson
ADDRESS	1480 Justin Road	ADDRESS	2901 Dallas Parkway, Suite 400
CITY, STATE & ZIP	Rockwall, Texas 75087	CITY, STATE & ZIP	Plano, Texas 75093
PHONE	469-402-1232	PHONE	972-265-4860
E-MAIL	cmolina@sprpackaging.com	E-MAIL	asamuelson@westwoodps.com

NOTARY VERIFICATION [REQUIRED]

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

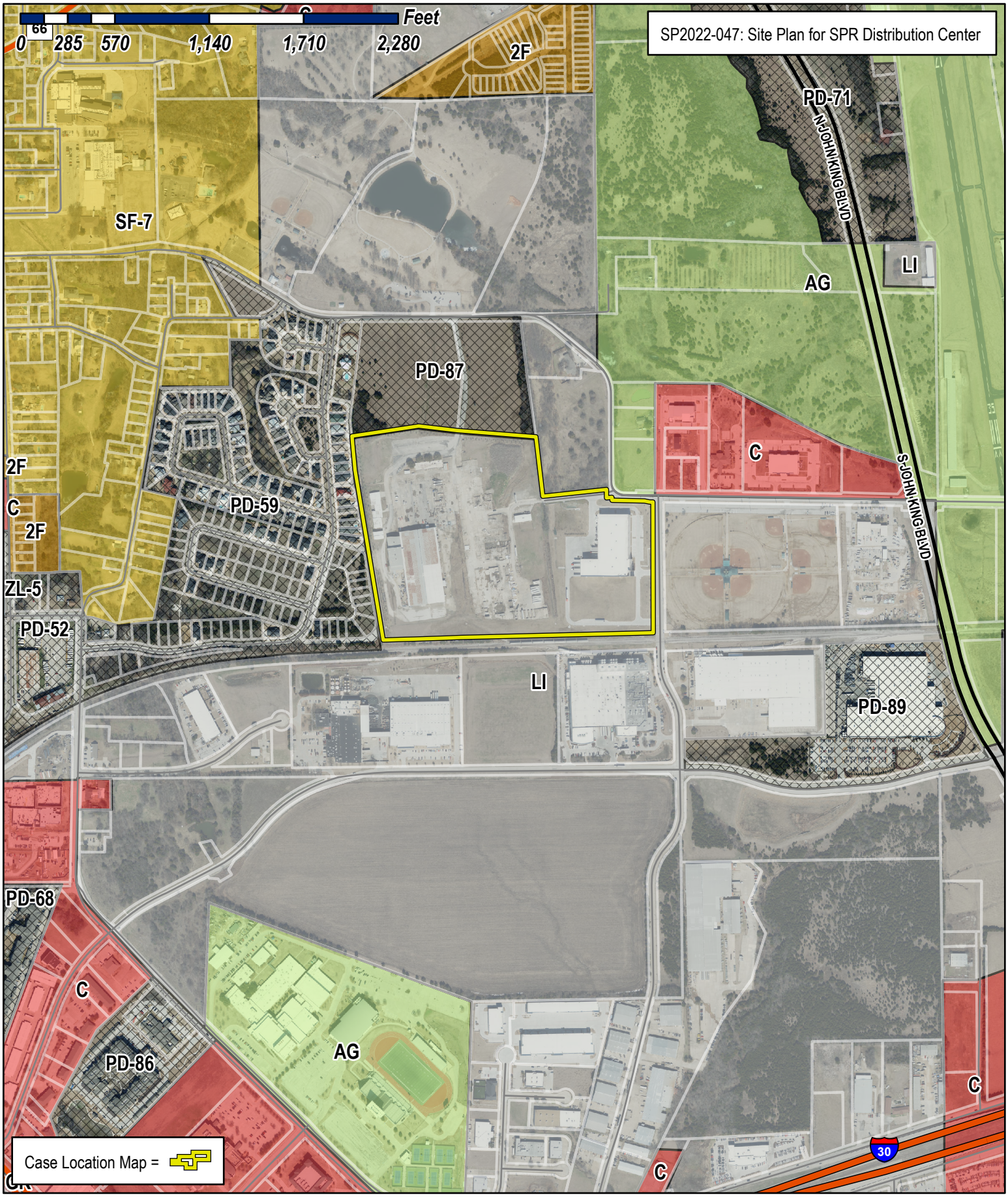
"I HEREBY CERTIFY THAT I AM THE OWNER FOR THE PURPOSE OF THIS APPLICATION; ALL INFORMATION SUBMITTED HEREIN IS TRUE AND CORRECT; AND THE APPLICATION FEE OF $_____, TO COVER THE COST OF THIS APPLICATION, HAS BEEN PAID TO THE CITY OF ROCKWALL ON THIS THE _____ DAY OF _____, 20___. BY SIGNING THIS APPLICATION, 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 _____ DAY OF _____, 20____.

OWNER'S SIGNATURE

NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

MY COMMISSION EXPIRES



City of Rockwall

Planning & Zoning Department
385 S. Goliad Street
Rockwall, Texas 75032
(P): (972) 771-7745
(W): www.rockwall.com

The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.

MJDII Architects, Inc.

16775 Addison Road, Suite 310
Addison, Texas 75001
Tel: (972) 866-8600
Fax: (972) 866-8601
E-Mail: MJDII@MJDII.com

Memorandum

To City of Rockwall, Texas, Planning and Zoning Department

From Brent T. Northington – MJDII Architects, Inc.

Re SPR Distribution Center (Case No. SP2022-047) – Variance Request Letter

Date 07 September 2022

Project SPR Distribution Center

Copies

City of Rockwall Planning and Zoning Staff:

Per item #I.10 on the SPR Distribution Center (SP2022-047) City Comments, the following items were noted as exceptions on our Site Plan Review:

1. Parking Requirements
2. Tilt Wall Construction
3. Less than 90% Masonry
4. Less than 20% Stone
5. Primary and Secondary Façade Articulation

#I.10.1 Parking:

Regarding the parking, the proposed facility is the 1st phase of a 2-phase Distribution Center development, and as such will have minimal employees. SPR has estimated approximately 25 employees in first shift and 20 employees in second shift, with 3 visitors in the 1st (current) phase. Allowing an overlap between first and second shifts results in a conservative total of 48 spaces. 50 spaces have been provided. The 2nd (future) phase is intended to be planned with similar parking spaces to accommodate similar employee and visitor counts.

#I.10.2 through 10.5 (Tilt Wall / Masonry / Stone / Articulation):

Regarding the other items noted above (#2-5), the proposed facility is a Distribution Center located in the remote western portion of the site bound by Airport Road to the East screened by the SPR North Warehouse, the Railway to the South, the Residential area to the West screened by a landscape tree buffer, and an undeveloped parcel to the North screened by a landscape tree buffer. The proposed facility has no frontage to public ways. A “stone-look” form liner band has been provided on the Office portion of the facility, similar to the existing warehouse. Panel joinery and reveals have also been introduced to accommodate contrasting paint colors for an aesthetically pleasing exterior that is consistent with the existing SPR buildings on-site.

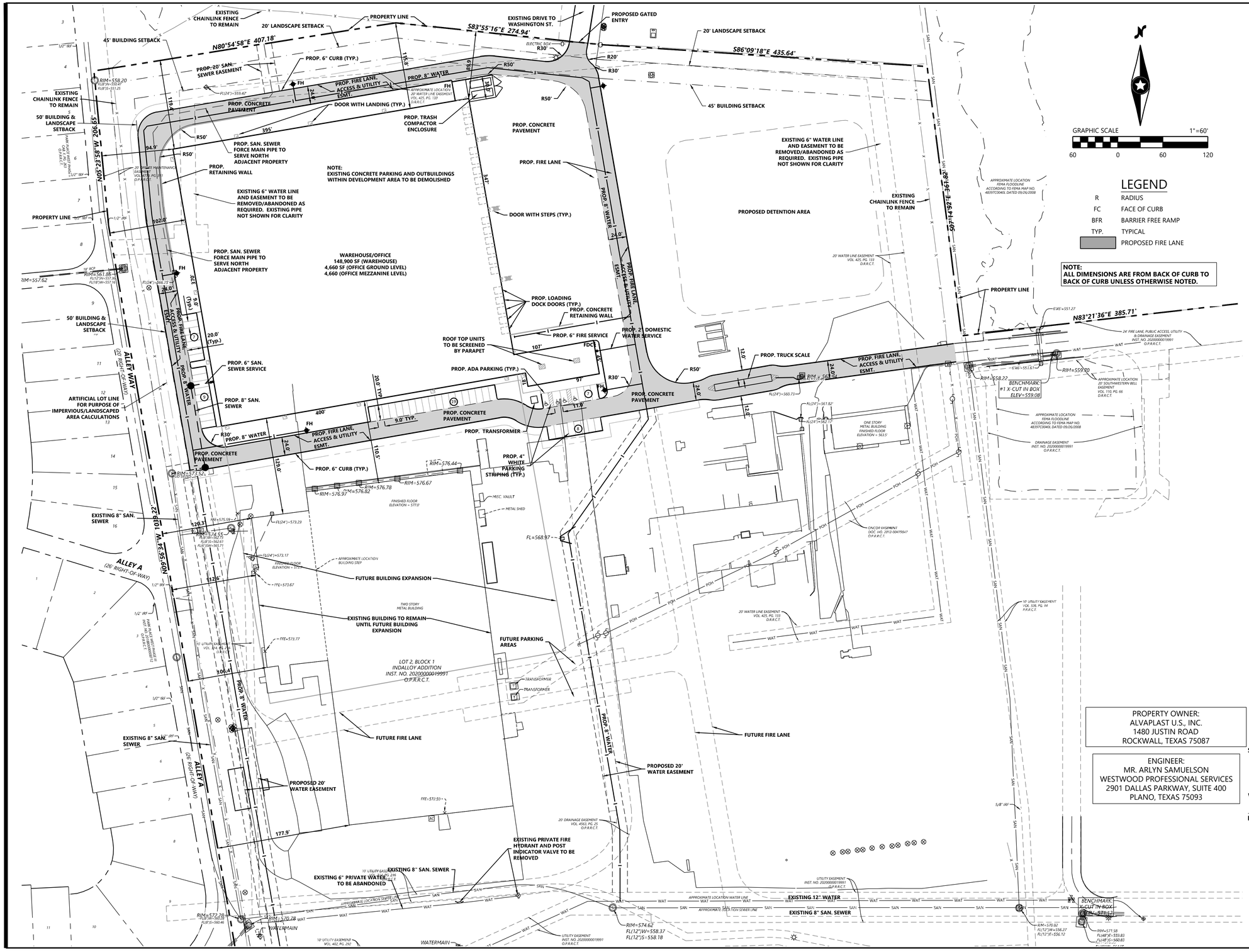
The exterior elevations were reviewed and approved by the Architectural Review Board on 30 August 2022.

In accordance with City staff recommendations, we propose to provide additional landscaping along the West property line adjacent to the residential area, and along the North property line adjacent to the undeveloped parcel, for additional screening.

Sincerely,



Brent T. Northington
Project Architect
MJDII Architects, Inc.



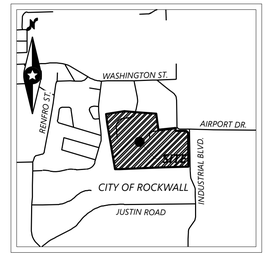
LEGEND

R	RADIUS
FC	FACE OF CURB
BFR	BARRIER FREE RAMP
TYP.	TYPICAL
	PROPOSED FIRE LANE

NOTE:
ALL DIMENSIONS ARE FROM BACK OF CURB TO BACK OF CURB UNLESS OTHERWISE NOTED.

VICINITY MAP

(NOT TO SCALE)



PARKING

THE MINIMUM PARKING REQUIRED FOR A WAREHOUSE DISTRIBUTION CENTER IS TO BE "AS DETERMINED BY THE DIRECTOR" (PER CITY OF ROCKWALL UNIFIED DEVELOPMENT CODE, ARTICLE 06 "PARKING AND LOADING," TABLE 5 "PARKING REQUIREMENT SCHEDULE," UNDER THE CATEGORY "INDUSTRIAL AND MANUFACTURING LAND USES").

PARKING COUNTS

NUMBER OF EMPLOYEES IN 1ST SHIFT: 25

NUMBER OF EMPLOYEES IN 2ND SHIFT: 20

NUMBER OF DAILY VISITORS:

TOTAL PARKING SPACES NEEDED = 48

TOTAL PARKING SPACES PROVIDED = 50 03

ACCESSIBLE PARKING

PER CITY OF ROCKWALL UNIFIED DEVELOPMENT CODE, ARTICLE 06 "PARKING AND LOADING," SECTION 05.04 "HANDICAPPED PARKING":

TOTAL REQUIRED PARKING IN LOT:	REQUIRED NUMBER OF HANDICAPPED SPACES:
51-75	3
76-100	4

THIS PROJECT PROVIDES 4 ACCESSIBLE PARKING SPACES, WITH A TOTAL OF 50 PARKING SPACES PROVIDED.

FUTURE PARKING AREA TO PROVIDE ANOTHER 50 SPACES

SITE DATA SUMMARY TABLE

ITEM	LOT 1, BLOCK A
GENERAL SITE DATA	
ZONING (FROM ZONING MAP)	LIGHT INDUSTRIAL (LI)
LAND USE	WAREHOUSE W/OFFICE
LOT AREA (SQUARE FEET)	1,873,685
LOT AREA (ACRES)	43.0139
BUILDING FOOTPRINT AREA (SF) - PROPOSED	153,560
BUILDING HEIGHT (#/STORIES)	1
BUILDING HEIGHT (FT-DIST TO TALLEST ELEMENT)	50'-4"
LOT COVERAGE (%)	8.20%
FLOOR AREA RATIO (XX.X:1)	0.08
ARTIFICIAL LOT AREA (SF)	500,279
IMPERVIOUS AREA (SF)	288,415
LANDSCAPE AREA (SF)	211,864

PROPERTY OWNER:
ALVAPLAST U.S., INC.
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

ENGINEER:
MR. ARLYN SAMUELSON
WESTWOOD PROFESSIONAL SERVICES
2901 DALLAS PARKWAY, SUITE 400
PLANO, TEXAS 75093

SITE PLAN SIGNATURE BLOCK

APPROVED:
I HEREBY CERTIFY THAT THE ABOVE AND FOREGOING SITE PLAN FOR A DEVELOPMENT IN THE CITY OF ROCKWELL, TEXAS, WAS APPROVED BY THE PLANNING & ZONING COMMISSION OF THE CITY OF ROCKWALL ON _____

WITNESS OUR HANDS, _____

PLANNING & ZONING COMMISSION, CHAIRMAN **DIRECTOR OF PLANNING AND ZONING**

SITE PLAN
SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # SP2022-047
RESUBMITTED SEPTEMBER 7, 2022

SPR DISTRIBUTION CENTER

DESIGNED:
CHECKED:
DRAWN:
HORIZONTAL SCALE:
VERTICAL SCALE:

INITIAL ISSUE: XX/XX/XX
REVISIONS:

PREPARED FOR:

SPR PACKAGING
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

PRELIMINARY
FOR INTERIM REVIEW ONLY
NOT TO BE USED FOR:
CONSTRUCTION OR
BIDDING PURPOSES.
Engineer: ARLYN W SAMUELSON PE
P.E. No.: 95877
Date: 09/07/2022
Westwood

SPR DISTRIBUTION CENTER
ROCKWALL, TEXAS

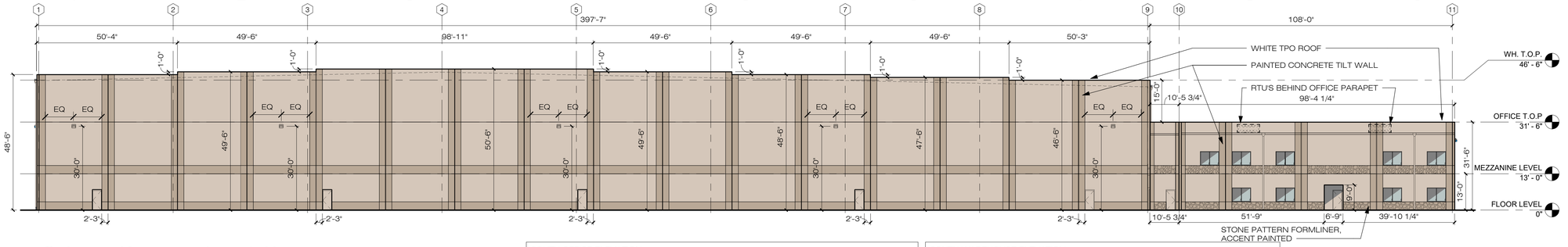
Westwood
Phone (214) 473-4640 2901 Dallas Parkway, Suite 400
Toll Free (888) 937-5150 Plano, TX 75093
westwoodps.com
Westwood Professional Services, Inc.
TBPE FIRM REGISTRATION NO. F-11756
TBPLS FIRM REGISTRATION NO. 10074301

SITE PLAN

PROJECT NUMBER: 0036677.00

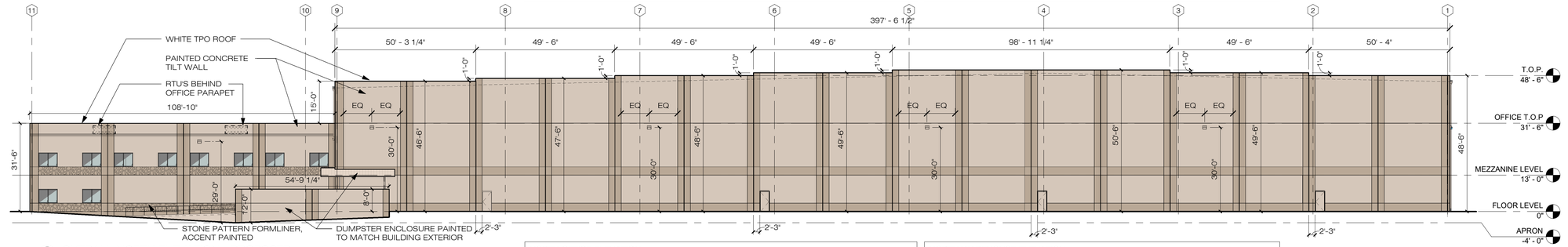
SHEET NUMBER: 1.00

DATE: 08/19/22



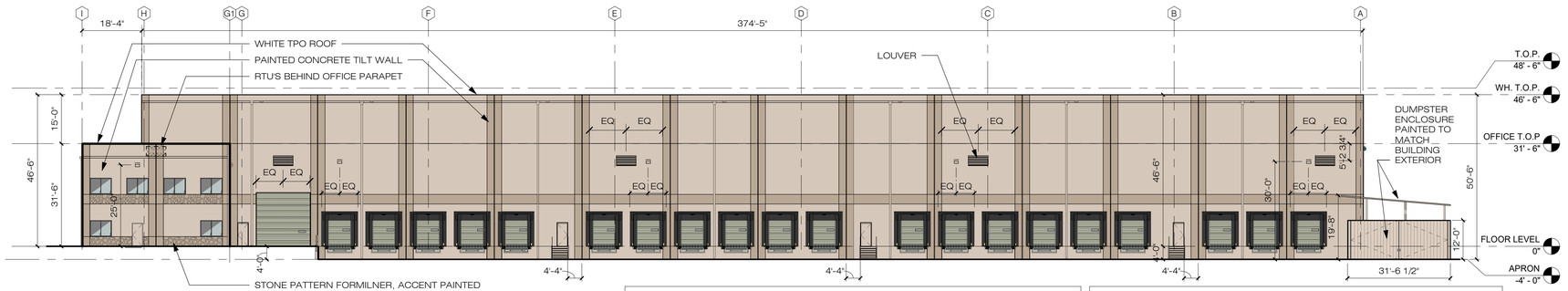
1B OVERALL SOUTH ELEVATION - PROPOSED
1" = 20'-0"

SOUTH OFFICE ELEVATION	SOUTH WAREHOUSE ELEVATION
74 % PAINTED CONCRETE TILT WALL WITH REVEALS 15 % STONE PATTERN FORMLINER, ACCENT PAINTED 11 % CLEAR ANODIZED ALUMINUM FRAMED WINDOWS AND PAINTED HOLLOW METAL DOORS	98 % PAINTED CONCRETE TILT WALL WITH REVEALS 2 % PAINTED HOLLOW METAL DOORS



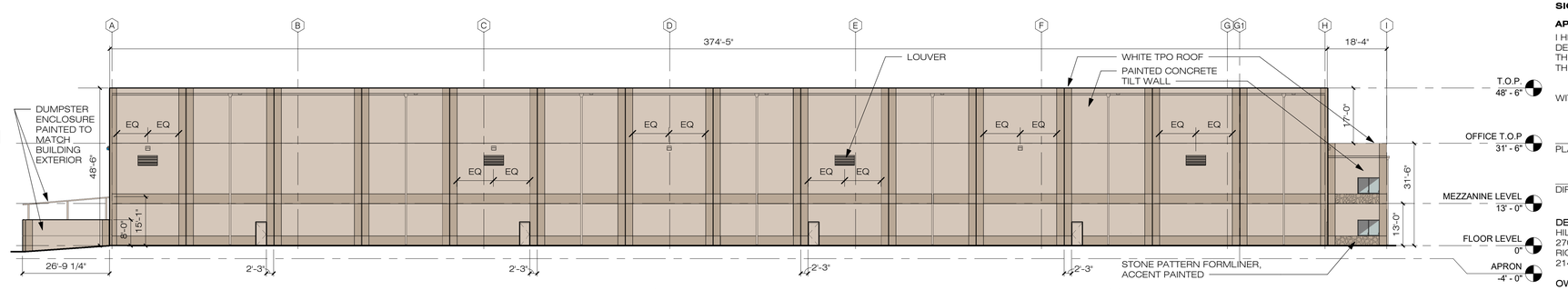
1D OVERALL NORTH ELEVATION - PROPOSED
1" = 20'-0"

NORTH OFFICE ELEVATION	NORTH WAREHOUSE ELEVATION
75 % PAINTED CONCRETE TILT WALL WITH REVEALS 15 % STONE PATTERN FORMLINER, ACCENT PAINTED 10 % CLEAR ANODIZED ALUMINUM FRAMED WINDOWS	98 % PAINTED CONCRETE TILT WALL WITH REVEALS 2 % PAINTED HOLLOW METAL DOORS



1F OVERALL EAST ELEVATION - PROPOSED
1" = 20'-0"

EAST OFFICE ELEVATION	EAST WAREHOUSE ELEVATION
68 % PAINTED CONCRETE TILT WALL WITH REVEALS 15 % STONE PATTERN FORMLINER, ACCENT PAINTED 17 % CLEAR ANODIZED ALUMINUM FRAMED WINDOWS AND PAINTED HOLLOW METAL DOORS	80 % PAINTED CONCRETE TILT WALL WITH REVEALS 20 % LOUVERS AND PAINTED HOLLOW METAL DOORS AND FACTORY FINISHED SECTIONAL DOORS



1J OVERALL WEST ELEVATION - PROPOSED
1" = 20'-0"

WEST OFFICE ELEVATION	WEST WAREHOUSE ELEVATION
73 % PAINTED CONCRETE TILT WALL WITH REVEALS 15 % STONE PATTERN FORMLINER, ACCENT PAINTED 12 % CLEAR ANODIZED ALUMINUM FRAMED WINDOWS	96 % PAINTED CONCRETE TILT WALL WITH REVEALS 4 % LOUVERS AND PAINTED HOLLOW METAL DOORS

EXTERIOR PAINT LEGEND	
	EXTERIOR PAINT 1 - SW 9085 TOUCH OF SAND
	EXTERIOR PAINT 2 - SW 9087 SMOKY BEIGE

GENERAL NOTES:

1. NO RTU'S TO BE ON DISTRIBUTION CENTER ROOF (ONLY ON OFFICE ROOF, SCREENED BEHIND PARAPET).
2. BACK OF PARAPET ABOVE ROOF MEMBRANE AND COUNTER FLASHING TO BE FINISHED SAME AS EXTERIOR-FACING WALLS.
3. DUMPSTER ENCLOSURE TO BE CONCRETE TILT-WALL ON 3 SIDES, AND METAL R-PANEL SELF-LATCHING GATES ON 4TH SIDE, ALL PAINTED TO MATCH BUILDING EXTERIOR. DUMPSTER ENCLOSURE ROOF TO BE METAL R-PANEL, SLOPED TO DRAIN AWAY FROM BUILDING, AND ALSO PAINTED TO MATCH BUILDING EXTERIOR. BOLLARDS TO BE PLACED AT IMPACT ZONES.

SIGNATURE BLOCK

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 _____, 2022.

WITNESS OUR HANDS, THIS _____ DAY OF _____, 2022.

_____
PLANNING & ZONING COMMISSION, CHAIRMAN

_____
DIRECTOR OF PLANNING AND ZONING

DESIGN BUILDER:
HILL & WILKINSON
2703 TELECOM PARKWAY, SUITE 120
RICHARDSON, TEXAS 75082
214-299-4300

OWNER:
ALVAPLAST U.S., INC.
1480 JUSTIN RD.
ROCKWALL, TEXAS 75087
469-314-1600

CASE NO. SP2022-047

ARCHITECT:
MJDII ARCHITECTS, INC.
16775 ADDISON ROAD, SUITE 310
ADDISON, TEXAS 75001
972-866-8600

SPR DISTRIBUTION CENTER:
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS

RESUBMITED 07 SEPTEMBER 2022

MJDII Architects, Inc.
Architecture · Planning · Consulting
16775 Addison Road, Suite 310 Tel: (972) 866-8600
Addison, Texas 75001 Fax: (972) 866-8601

HILL & WILKINSON GENERAL CONTRACTORS
DESIGN BUILDER
2703 TELECOM PARKWAY, SUITE 120
RICHARDSON, TEXAS 75082
214-299-4300

JQ shaping the built environment
STRUCTURAL ENGINEERING
100 GLASS STREET
DALLAS, TEXAS 75207
214-752-9098

Westwood
PARKWAY CENTRE 1
2901 DALLAS PARKWAY, SUITE 400
PLANO, TEXAS 75093
214-473-4640

COOPER DESIGN WORKS
LANDSCAPE ARCHITECTURE · PLANNING · URBAN DESIGN
PO BOX 492 ROCKWALL TEXAS 75087 P 972.412.9519
cooperdesignworks.com

PILLAR ELECTRIC GROUP
2703 TELECOM PARKWAY, SUITE 100
RICHARDSON, TEXAS 75082
469-277-4960

#	DESCRIPTION	DATE

Seal:
ARCHITECT: JACK A. ROMIGH, AIA
TEXAS REGISTRATION: #11685
DATE: 07 SEPTEMBER 2022

THESE DOCUMENTS ARE PRELIMINARY AND NOT TO BE USED FOR REGULATORY APPROVAL, PERMITTING,OR CONSTRUCTION.

THE TEXAS BOARD OF ARCHITECTURAL EXAMINERS HAS JURISDICTION OVER COMPLAINTS REGARDING THE PROFESSIONAL PRACTICES OF PERSONS REGISTERED AS ARCHITECTS IN TEXAS. THE BOARD'S CURRENT ADDRESS, PHONE NUMBER AND WEBSITE ARE: www.tbae.state.tx.us PO BOX 12337 AUSTIN, TX 78711-2337 (512) 305-9000

SPR
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087
SPR DISTRIBUTION CENTER

Drawn By:	
Project Number:	22-0013-00
Date:	07 SEPTEMBER 2022
Issue:	CITY SITE PLAN RESUBMITTAL
Approved By:	

Sheet Number:

A3.00

OVERALL EXTERIOR ELEVATIONS-PROPOSED

existing chain link fence

PART OF A CALLED 98.319 ACRES
COLUMBIA EXTRUSION CORPORATION
VOL. 444, PG. 102
D.R.R.C.T.

LO 19

existing mature cedar trees to remain

existing cedar trees

existing native trees

limit of landscape and turf irrigation

PROP. 8" WATER

APPROXIMATE LOCATION
20' WATER LINE EASEMENT
VOL. 425, PG. 133
D.R.R.C.T.

existing Live Oaks 50020 - 50052

existing Live Oaks 50001 - 50019

MATCH LINE L1.02
MATCH LINE L1.01

LM 26

bermuda hyc and irrigation

bermuda hydromulch and irrigation

PARK PLACE WEST
PHASE II
CAB. F, PG. 263
O.P.R.R.C.T.

existing mature cedar trees to remain

20' OFFSITE MAINTENANCE EASEMENT
VOL. 4779, PG. 311
O.P.R.R.C.T.

existing cedar trees

existing chain link fence

existing trees to be removed

DRIVEWAY AREA

PROPOSED DISTRIBUTION BUILDING

limit of landscape and turf irrigation

bermuda hydromulch and irrigation

DE 3

ZM 12

native grass preparation and seed

LM 26

A NORTH 1"= 30'-0"

Landscape Plan
plan

ALLEY WAY (20' RIGHT-OF-WAY)

PROP. 8" WATER

existing cedar trees

existing mature cedar trees to remain

bermuda hydromulch and irrigation

DE 3

limit of landscape and turf irrigation

future building expansion

LO 37

future building expansion

SITE DATA SUMMARY TABLE

ITEM	LOT 1, BLOCK A
GENERAL SITE DATA	
ZONING (FROM ZONING MAP)	LIGHT INDUSTRIAL (LI)
LAND USE	WAREHOUSE W/OFFICE
LOT AREA (SQUARE FEET)	1,873,995
LOT AREA (ACRES)	43.0139
BUILDING FOOTPRINT AREA (SF) - PROPOSED	153,560
BUILDING HEIGHT (#STORIES)	1
BUILDING HEIGHT (FT-DIST TO TALLEST ELEMENT)	50'-4"
LOT COVERAGE (%)	8.20%
FLOOR AREA RATIO (XXX:1)	0.08
ARTIFICIAL LOT AREA (SF)	600,279
IMPERVIOUS AREA (SF)	286,419
LANDSCAPE AREA (SF)	211,864

SITE PLAN SIGNATURE BLOCK
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 _____

WITNESS OUR HANDS, _____

PLANNING & ZONING COMMISSION, CHAIRMAN **DIRECTOR OF PLANNING AND ZONING**

PROPERTY OWNER:
ALVAPLAST U.S., INC.
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

LANDSCAPE ARCHITECT:
JIM COOPER
COOPER DESIGN WORKS
PO BOX 492
ROCKWALL, TEXAS 75087

SITE PLAN
SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # SP2022-047
RESUBMITTED SEPTEMBER 07, 2022

MJDII Architects, Inc.
Architecture • Planning • Consulting
16775 Addison Road, Suite 310 Tel: (972) 866-8600
Addison, Texas 75001 Fax: (972) 866-8601

HILL & WILKINSON GENERAL CONTRACTORS
DESIGN BUILDER
2703 TELECOM PARKWAY, SUITE 120
RICHARDSON, TEXAS 75082
214-299-4300

JQ shaping the built environment
STRUCTURAL ENGINEERING
100 GLASS STREET
DALLAS, TEXAS 75207
214-752-9098

Westwood
PARKWAY CENTRE 1
2901 DALLAS PARKWAY, SUITE 400
PLANO, TEXAS 75093
214-473-4640

COOPER DESIGN WORKS
LANDSCAPE ARCHITECTURE · PLANNING · URBAN DESIGN
PO BOX 492 ROCKWALL TEXAS 75087 P 972.412.9519
cooperdesignworks.com

PILLAR ELECTRIC GROUP
2703 TELECOM PARKWAY, SUITE 100
RICHARDSON, TEXAS 75082
469-277-4860

#	DESCRIPTION	DATE

Seal:
These documents are for municipal review and not for construction.
James A Cooper RLA 1287
07 September 2022

SPR
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087
SPR DISTRIBUTION CENTER

Drawn By:	CDW
Project Number:	22-0013-00
Date:	07 SEPTEMBER 2022
Issue:	CITY SITE PLAN RESUBMITTAL
Approved By:	CDW

Sheet Number:
L1.01
Landscape Plan

PART OF
LOT 1, BLOCK 1
INDALLOY ADDITION
CAB. D, SLIDE 273
P.R.R.C.T.

limit of landscape
and irrigation

existing Live Oaks
50001 - 50019

MATCH LINE L1.02
MATCH LINE L1.01

LM
26

bermuda hydromulch
and irrigation

DRIVEWAY AREA

PROP. 8" WATER

ZM
12

native grass preparation
and seed

ZM
21

LM
26

bermuda hydromulch
and irrigation

limit of landscape
and turf irrigation

future building
expansion

CALLED 7.56 ACRES
ROCKWALL COMMUNITY
PLAYHOUSE
VOL. 4239, PG. 206
O.P.R.R.C.T.

APPROXIMATE LOCATION
FEMA FLOODLINE
ACCORDING TO FEMA MAP NO.
48397C0040L DATED 09/26/2008

20' WATER LINE EASEMENT
VOL. 425, PG. 133
D.R.R.C.T.

ONE STORY
METAL BUILDING
FINISHED FLOOR
ELEVATION =
563.5'

A
NORTH
1"= 30'-0"

Landscape Plan
plan

SITE DATA SUMMARY TABLE	
ITEM	LOT 2, BLOCK A
GENERAL SITE DATA	
ZONING (FROM ZONING MAP)	LIGHT INDUSTRIAL (LI)
LAND USE	WAREHOUSE W/OFFICE
LOT AREA (SQUARE FEET)	1,873,985
LOT AREA (ACRES)	43.0139
BUILDING FOOTPRINT AREA (SF) - PROPOSED	153,560
BUILDING HEIGHT (#STORIES)	1
BUILDING HEIGHT (FT-DIST TO TALLEST ELEMENT)	50'-4"
LOT COVERAGE (%)	8.20%
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PLANNING & ZONING COMMISSION, CHAIRMAN **DIRECTOR OF PLANNING AND ZONING**

PROPERTY OWNER:
ALVAPLAST U.S., INC.
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087
LANDSCAPE ARCHITECT:
JIM COOPER
COOPER DESIGN WORKS
PO BOX 492
ROCKWALL, TEXAS 75087

SITE PLAN
SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # SP2022-047
RESUBMITTED SEPTEMBER 07, 2022

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HILL & WILKINSON GENERAL CONTRACTORS
DESIGN BUILDER
2703 TELECOM PARKWAY, SUITE 120
RICHARDSON, TEXAS 75082
214-299-4300

JQ shaping the built environment
STRUCTURAL ENGINEERING
100 GLASS STREET
DALLAS, TEXAS 75207
214-752-9098

Westwood
PARKWAY CENTRE 1
2901 DALLAS PARKWAY, SUITE 400
PLANO, TEXAS 75093
214-473-4640

COOPER DESIGN WORKS
LANDSCAPE ARCHITECTURE · PLANNING · URBAN DESIGN
PO BOX 492 ROCKWALL TEXAS 75087 P 972.412.9319
cooperdesignworks.com

PILLAR ELECTRIC GROUP
2703 TELECOM PARKWAY, SUITE 100
RICHARDSON, TEXAS 75082
469-277-4860

#	DESCRIPTION	DATE

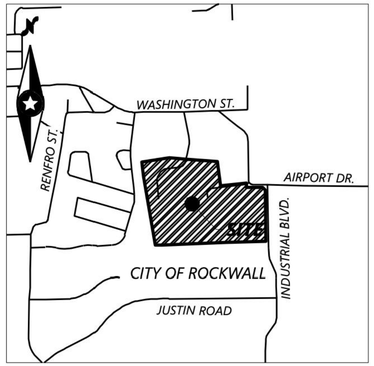
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James A Cooper RLA 1287
07 September 2022

SPR
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087
SPR DISTRIBUTION CENTER

Drawn By:	CDW
Project Number:	22-0013-00
Date:	07 SEPTEMBER 2022
Issue:	CITY SITE PLAN RESUBMITTAL
Approved By:	CDW

Sheet Number:
L1.02
Landscape Plan

VICINITY MAP



Landscape Calculations:

Parking Lot Landscaping:

Parking Area (Double Row):	4958 SF
Interior Landscape Area Required 5%:	249 SF
Interior Landscape Area Provided:	250 SF

Parking lot trees provided at terminus of rows and islands.

Detention Pond Landscaping:

Detention Pond Area:	63,450 SF
Native Grass Seed Provided:	63,450 SF
Ornamental Grasses Required:	85 (5) Gallon Plants

63,450 SF / 1 Plant per 750 SF = 85

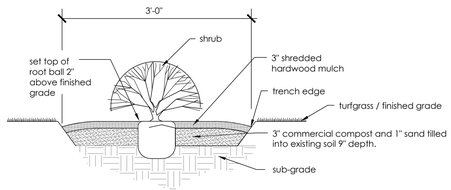
Ornamental Grasses Provided:	85

Abutting Residential Buffer:

Landscape buffer abutting residential development is existing.

Landscape Notes:

An automatic irrigation system will be provided comply with the irrigation code of Chapter 10, Buildings and Building Regulations, Article XVI, Irrigation Code, of the City of Rockwall Code of Ordinances, and all applicable state laws, as may be amended.



A Ornamental Grass Trench Bed Detail

NTS

SITE DATA SUMMARY TABLE	
ITEM	LOT 1, BLOCK A
GENERAL SITE DATA	
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LAND USE	WAREHOUSE W/OFFICE
LOT AREA (SQUARE FEET)	1,873,685
LOT AREA (ACRES)	43.0139
BUILDING FOOTPRINT AREA (SF) - PROPOSED	153,560
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BUILDING HEIGHT (FT-DIST TO TALLEST ELEMENT)	50'-4"
LOT COVERAGE (%)	8.20%
FLOOR AREA RATIO (X.XX:1)	0.08
ARTIFICIAL LOT AREA (SF)	500,279
IMPERVIOUS AREA (SF)	288,415
LANDSCAPE AREA (SF)	211,864

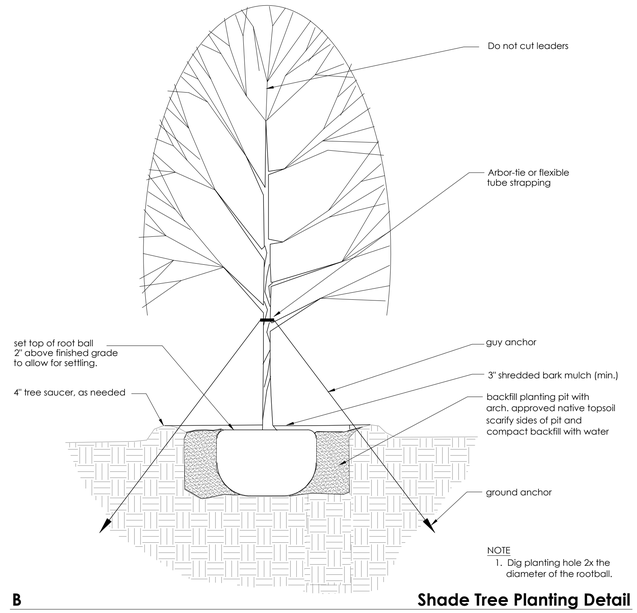
PLANT SCHEDULE

Large Shade And Evergreen Trees

	SYM	QTY	COMMON NAME	BOTANICAL NAME	SIZE & CONDITION AT PLANTING
	LO	56	Live Oak	Quercus virginiana	4" Caliper 12'-14' Ht./ 4'-5' spread, container grown straight trunk.
	DE	6	Drake Elm	Ulmus parvifolia 'Drake"	4" Caliper 12'-14' Ht./ 5'-6' spread, container grown straight trunk.

Shrubs and Groundcovers

	SYM	QTY	COMMON NAME	BOTANICAL NAME	SIZE & CONDITION AT PLANTING
	LM	52	Lindheimer Muhly	Muhlenbergia lindheimeri	5 Gallon 24"-30" Ht. 18" - 24" spread.
	ZM	33	Zebra Miscanthus	Miscanthus sinensis 'Zebrinis'	5 Gallon 24"-30" Ht. 18" - 24" spread.
		63,899 SF	Big Bluestem Little Bluestem Hairy Grama Purple Three-awn Tall Grama Sideoats Grama Buffalo Grass	Andropogon gerardii Schizachyrium scoparium Bouteloua hirsuta Aristida purpurea Bouteloua rigidiseta Bouteloua curtipendula Bouteloua dactyloides	Disc, drill seed and hydromulch cover per supplier recommendation. Submit product data or sample.
		143,802 SF	Bermuda Hydromulch	Cynadon dactylon	Fine grade prior to installation



NOTE
1. Dig planting hole 2x the diameter of the rootball.

B Shade Tree Planting Detail

NTS

SITE PLAN SIGNATURE BLOCK
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WITNESS OUR HANDS, _____

PLANNING & ZONING COMMISSION, CHAIRMAN **DIRECTOR OF PLANNING AND ZONING**

PROPERTY OWNER:
ALVAPLAST U.S., INC.
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

LANDSCAPE ARCHITECT:
JIM COOPER
COOPER DESIGN WORKS
PO BOX 492
ROCKWALL, TEXAS 75087

SITE PLAN
SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # SP2022-047
RESUBMITTED SEPTEMBER 07, 2022

MJDII Architects, Inc.
Architecture • Planning • Consulting
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Addison, Texas 75001 Fax: (972) 866-8601

HILL & WILKINSON GENERAL CONTRACTORS
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214-299-4300

JQ shaping the built environment
STRUCTURAL ENGINEERING
100 GLASS STREET
DALLAS, TEXAS 75207
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Westwood
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2901 DALLAS PARKWAY, SUITE 400
PLANO, TEXAS 75093
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COOPER DESIGN WORKS
LANDSCAPE ARCHITECTURE · PLANNING · URBAN DESIGN
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cooperdesignworks.com

PILLAR ELECTRIC GROUP
2703 TELECOM PARKWAY, SUITE 100
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#	DESCRIPTION	DATE

Seal:
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James A Cooper RLA 1287
07 September 2022

SPR
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087
SPR DISTRIBUTION CENTER

Drawn By:	CDW
Project Number:	22-0013-00
Date:	07 SEPTEMBER 2022
Issue:	CITY SITE PLAN RESUBMITTA
Approved By:	CDW

Sheet Number:

L1.03

Landscape Plan

PART OF A CALLED 98.319 ACRES
COLUMBIA EXTRUSION CORPORATION
VOL. 444, PG. 102
D.R.R.C.T.

existing mature cedar trees to remain

existing native trees

existing cedar trees

existing chain link fence

PROP. 8" WATER

APPROXIMATE LOCATION
20' WATER LINE EASEMENT
VOL. 425, PG. 133
D.R.R.C.T.

PARK PLACE WEST
PHASE II
CAB. F, PG. 263
O.P.R.R.C.T.

existing mature cedar trees to remain

20' OFFSITE MAINTENANCE EASEMENT
VOL. 4779, PG. 311
O.P.R.R.C.T.

existing cedar trees

existing chain link fence

existing trees to be removed

existing cedar trees

existing mature cedar trees to remain

ALLEY (20' RIGHT-OF-WAY)

PROP. 8" WATER

existing tree to be preserved
tree number ref. tree preservation plan sheet L 1.04

existing tree to be removed

A
NORTH
1"= 30'-0"

Treescape Plan
plan

SITE DATA SUMMARY TABLE	
ITEM	LOT 1, BLOCK A
GENERAL SITE DATA	
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LAND USE	WAREHOUSE W/OFFICE
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WITNESS OUR HANDS, _____

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PROPERTY OWNER:
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1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

LANDSCAPE ARCHITECT:
JIM COOPER
COOPER DESIGN WORKS
PO BOX 492
ROCKWALL, TEXAS 75087

SITE PLAN
SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # SP2022-047
RESUBMITTED SEPTEMBER 07, 2022

MJDII Architects, Inc.
Architecture • Planning • Consulting
16775 Addison Road, Suite 310 Tel: (972) 866-8600
Addison, Texas 75001 Fax: (972) 866-8601

HILL & WILKINSON GENERAL CONTRACTORS
DESIGN BUILDER
2703 TELECOM PARKWAY, SUITE 120
RICHARDSON, TEXAS 75082
214-299-4300

JQ shaping the built environment
STRUCTURAL ENGINEERING
100 GLASS STREET
DALLAS, TEXAS 75207
214-752-9098

Westwood
PARKWAY CENTRE 1
2901 DALLAS PARKWAY, SUITE 400
PLANO, TEXAS 75093
214-473-4640

COOPER DESIGN WORKS
LANDSCAPE ARCHITECTURE . PLANNING . URBAN DESIGN
PO BOX 492 ROCKWALL TEXAS 75087 P 972.412.9519
cooperdesignworks.com

PILLAR ELECTRIC GROUP
2703 TELECOM PARKWAY, SUITE 100
RICHARDSON, TEXAS 75082
469-277-4860

#	DESCRIPTION	DATE

Seal:
These documents are for municipal review and not for construction.
James A Cooper RLA 1287
07 September 2022

SPR
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087
SPR DISTRIBUTION CENTER

Drawn By:	CDW
Project Number:	22-0013-00
Date:	07 SEPTEMBER 2022
Issue:	CITY SITE PLAN RESUBMITTAL
Approved By:	CDW

Sheet Number:

L1.04

Treescape Plan

Treescape Calculations:

Total Mitigation Required:	276 inches
Tree Credits:	
Tree No. 42276 30" Elm	30 inches
Parking Lot/Site Trees	248 inches
Total Mitigation Provided:	**278 inches**

Tree Preservation Table

Tree Number	Common Name	DBH Inches	Status	Feature Tree	Mitigation Required	Mitigation Inches
42220	Live Oak	26	Remove	Yes	Yes	52
42201	Crape Myrtle	12	Remove	No	Yes	12
42202	Crape Myrtle	16	Remove	No	Yes	16
42203	Live Oak	30	Remove	Yes	Yes	60
42204	Crape Myrtle	12	Remove	No	Yes	12
42205	Crape Myrtle	12	Remove	No	Yes	12
42206	Live Oak	26	Remove	Yes	Yes	52
42207	Live Oak	30	Remove	Yes	Yes	60
42269	Willow	18	Preserve	No	No	
42270	Cedar	6	Preserve	No	No	
42271	Elm	20	Preserve	No	No	
42272	Elm	20	Preserve	No	No	
42273	Unknown	10	Preserve	No	No	
42274	Hackberry	12	Preserve	No	No	
42275	Elm	11	Preserve	No	No	
42276	Elm	30	Preserve	No	No	
42277	Elm	13	Preserve	No	No	
42278	Elm	15	Preserve	No	No	
42279	Elm	20	Preserve	No	No	
42280	Elm	20	Preserve	No	No	
42281	Elm	6	Preserve	No	No	
42282	Cedar	4	Preserve	No	No	
42283	Cedar	14	Preserve	No	No	
42284	Cedar	6	Preserve	No	No	
42285	Cedar	12	Preserve	No	No	
42286	Elm	10	Preserve	No	No	
42287	Elm	9	Preserve	No	No	
42288	Elm	18	Preserve	No	No	
42289	Hackberry	8	Preserve	No	No	
42290	Cedar	12	Preserve	No	No	
42291	Elm	11`	Preserve	No	No	
42292	Elm	4	Preserve	No	No	
42293	Elm	9	Preserve	No	No	
42294	Elm	9	Preserve	No	No	
42295	Hackberry	15	Preserve	No	No	
42296	Elm	6	Preserve	No	No	
42297	Cedar	6	Preserve	No	No	
42298	Cedar	6	Preserve	No	No	
42299	Elm	10	Preserve	No	No	
42300	Elm	8	Preserve	No	No	
42301	Elm	8	Preserve	No	No	
42302	Elm	4	Preserve	No	No	
42303	Elm	9	Preserve	No	No	
42304	Elm	4	Preserve	No	No	
42305	Elm	9	Preserve	No	No	
42306	Elm	16	Preserve	No	No	
42307	Elm	4	Preserve	No	No	
42308	Elm	15	Preserve	No	No	
42309	Elm	12	Preserve	No	No	
42310	Elm	4	Preserve	No	No	
42311	Elm	6	Preserve	No	No	
42312	Elm	6	Preserve	No	No	
42313	Elm	4	Preserve	No	No	
42314	Elm	9	Preserve	No	No	
42315	Elm	9	Preserve	No	No	
42316	Elm	16	Preserve	No	No	
42317	Elm	16	Preserve	No	No	
42318	Cedar	6	Preserve	No	No	
42319	Cedar	4	Preserve	No	No	
42320	Cedar	6	Preserve	No	No	
42321	Cedar	10	Preserve	No	No	
42437	Bois d'arc	24	Preserve	No	No	

Tree Number	Common Name	DBH Inches	Status	Feature Tree	Mitigation Required	Mitigation Inches
50001	Live Oak	4-5"	Preserve	No	No	
50002	Live Oak	4-5"	Preserve	No	No	
50003	Live Oak	4-5"	Preserve	No	No	
50004	Live Oak	4-5"	Preserve	No	No	
50005	Live Oak	4-5"	Preserve	No	No	
50006	Live Oak	4-5"	Preserve	No	No	
50007	Live Oak	4-5"	Preserve	No	No	
50008	Live Oak	4-5"	Preserve	No	No	
50009	Live Oak	4-5"	Preserve	No	No	
50010	Live Oak	4-5"	Preserve	No	No	
50012	Live Oak	4-5"	Preserve	No	No	
50013	Live Oak	4-5"	Preserve	No	No	
50014	Live Oak	4-5"	Preserve	No	No	
50015	Live Oak	4-5"	Preserve	No	No	
50016	Live Oak	4-5"	Preserve	No	No	
50017	Live Oak	4-5"	Preserve	No	No	
50018	Live Oak	4-5"	Preserve	No	No	
50019	Live Oak	4-5"	Preserve	No	No	
50020	Live Oak	4-5"	Preserve	No	No	
50022	Live Oak	4-5"	Preserve	No	No	
50023	Live Oak	4-5"	Preserve	No	No	
50024	Live Oak	4-5"	Preserve	No	No	
50025	Live Oak	4-5"	Preserve	No	No	
50026	Live Oak	4-5"	Preserve	No	No	
50027	Live Oak	4-5"	Preserve	No	No	
50028	Live Oak	4-5"	Preserve	No	No	
50029	Live Oak	4-5"	Preserve	No	No	
50030	Live Oak	4-5"	Preserve	No	No	
50031	Live Oak	4-5"	Preserve	No	No	
50032	Live Oak	4-5"	Preserve	No	No	
50033	Live Oak	4-5"	Preserve	No	No	
50034	Live Oak	4-5"	Preserve	No	No	
50035	Live Oak	4-5"	Preserve	No	No	
50036	Live Oak	4-5"	Preserve	No	No	
50037	Live Oak	4-5"	Preserve	No	No	
50038	Live Oak	4-5"	Preserve	No	No	
50039	Live Oak	4-5"	Preserve	No	No	
50040	Live Oak	4-5"	Preserve	No	No	
50042	Live Oak	4-5"	Preserve	No	No	
50043	Live Oak	4-5"	Preserve	No	No	
50044	Live Oak	4-5"	Preserve	No	No	
50045	Live Oak	4-5"	Preserve	No	No	
50046	Live Oak	4-5"	Preserve	No	No	
50047	Live Oak	4-5"	Preserve	No	No	
50048	Live Oak	4-5"	Preserve	No	No	
50049	Live Oak	4-5"	Preserve	No	No	
50050	Live Oak	4-5"	Preserve	No	No	
50051	Live Oak	4-5"	Preserve	No	No	
50052	Live Oak	4-5"	Preserve	No	No	
50053	Live Oak	4-5"	Preserve	No	No	
50054	Live Oak	4-5"	Preserve	No	No	
50055	Live Oak	4-5"	Preserve	No	No	
50056	Live Oak	4-5"	Preserve	No	No	
50057	Live Oak	4-5"	Preserve	No	No	
50058	Live Oak	4-5"	Preserve	No	No	
50059	Live Oak	4-5"	Preserve	No	No	
50060	Live Oak	4-5"	Preserve	No	No	
50061	Live Oak	4-5"	Preserve	No	No	
50062	Live Oak	4-5"	Preserve	No	No	
50063	Live Oak	4-5"	Preserve	No	No	
50064	Live Oak	4-5"	Preserve	No	No	
50065	Live Oak	4-5"	Preserve	No	No	
50066	Live Oak	4-5"	Preserve	No	No	
50067	Live Oak	4-5"	Preserve	No	No	
50068	Live Oak	4-5"	Preserve	No	No	

Total Mitigation Inches = 276

SITE DATA SUMMARY TABLE	
ITEM	LOT 1 & LOCK 1
GENERAL SITE DATA	
ZONING (FROM ZONING MAP)	LIGHT INDUSTRIAL (LI)
LAND USE	WAREHOUSE W/OFFICE
LOT AREA (SQUARE FEET)	1,873,685
LOT AREA (ACRES)	43.0139
BUILDING FOOTPRINT AREA (SF) - PROPOSED	153,560
BUILDING HEIGHT (#STORIES)	1
BUILDING HEIGHT (FT-DIST TO TALLEST ELEMENT)	50'-4"
LOT COVERAGE (%)	8.20%
FLOOR AREA RATIO (X.XX:1)	0.08
ARTIFICIAL LOT AREA (SF)	520,279
IMPERVIOUS AREA (SF)	288,415
LANDSCAPE AREA (SF)	211,864

SITE PLAN SIGNATURE BLOCK
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 _____

WITNESS OUR HANDS, _____

PLANNING & ZONING COMMISSION, CHAIRMAN **DIRECTOR OF PLANNING AND ZONING**

PROPERTY OWNER:
ALVAPLAST U.S., INC.
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

LANDSCAPE ARCHITECT:
JIM COOPER
COOPER DESIGN WORKS
PO BOX 492
ROCKWALL, TEXAS 75087

SITE PLAN
SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # SP2022-047
RESUBMITTED SEPTEMBER 07, 2022

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PILLAR ELECTRIC GROUP
2703 TELECOM PARKWAY, SUITE 100
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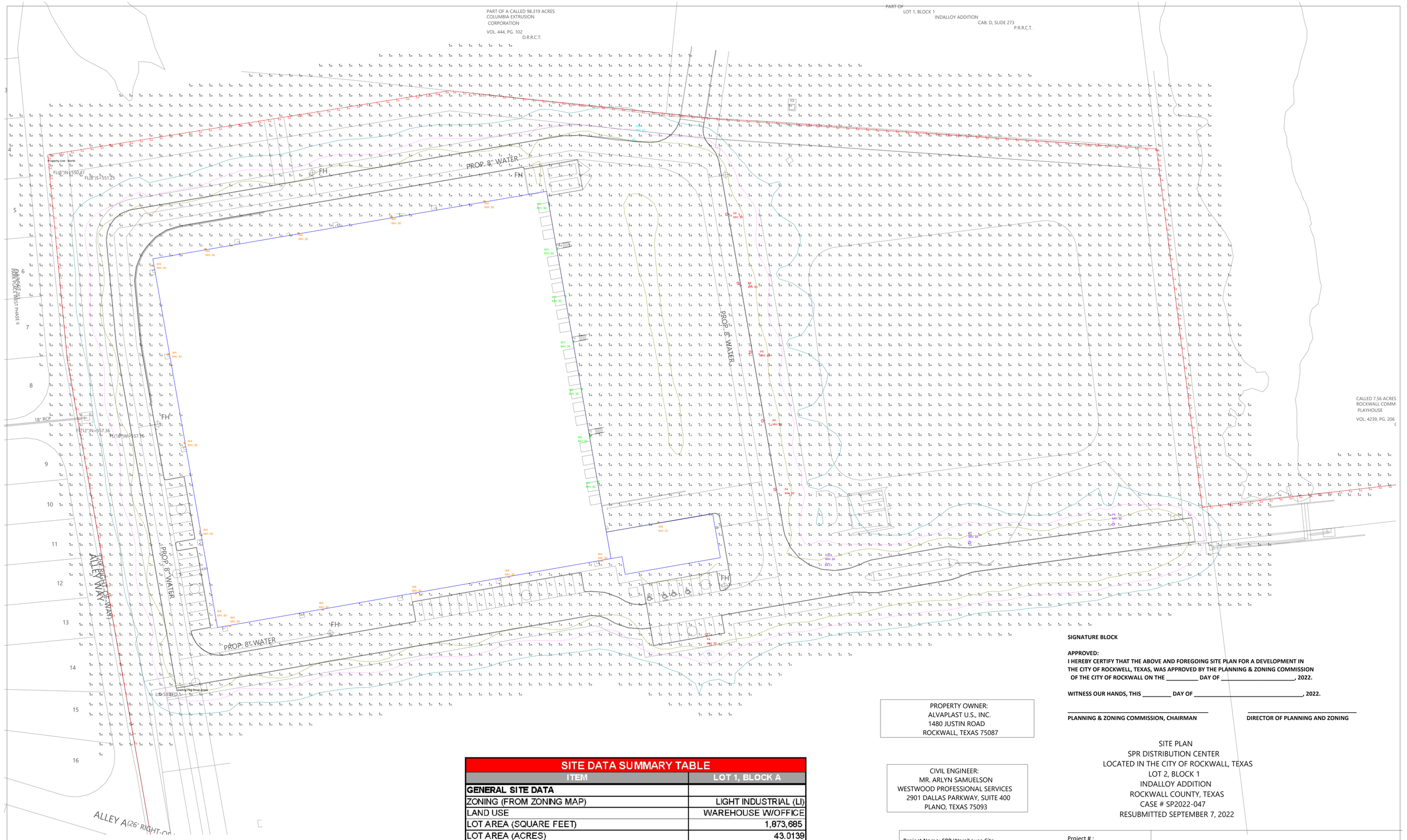
#	DESCRIPTION	DATE

Seal:
These documents are for municipal review and not for construction.
James A Cooper RLA 1287
07 September 2022

SPR
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087
SPR DISTRIBUTION CENTER

Drawn By:	CDW
Project Number:	22-0013-00
Date:	07 SEPTEMBER 2022
Issue:	CITY SITE PLAN RESUBMITTAL
Approved By:	CDW

Sheet Number:
L1.05
Treescape Details



Scale: 1 inch = 40 Ft.

SITE DATA SUMMARY TABLE	
ITEM	LOT 1, BLOCK A
GENERAL SITE DATA	
ZONING (FROM ZONING MAP)	LIGHT INDUSTRIAL (LI)
LAND USE	WAREHOUSE W/OFFICE
LOT AREA (SQUARE FEET)	1,873,685
LOT AREA (ACRES)	43.0139
BUILDING FOOTPRINT AREA (SF) - PROPOSED	153,560
BUILDING HEIGHT (#STORIES)	1
BUILDING HEIGHT (FT-DIST TO TALLEST ELEMENT)	50'-4"
LOT COVERAGE (%)	8.20%
FLOOR AREA RATIO (XXX:1)	0.08

PROPERTY OWNER:
ALVAPLAST U.S., INC.
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

CIVIL ENGINEER:
MR. ARLYN SAMUELSON
WESTWOOD PROFESSIONAL SERVICES
2901 DALLAS PARKWAY, SUITE 400
PLANO, TEXAS 75093

SIGNATURE BLOCK

APPROVED:
I HEREBY CERTIFY THAT THE ABOVE AND FOREGOING SITE PLAN FOR A DEVELOPMENT IN THE CITY OF ROCKWELL, TEXAS, WAS APPROVED BY THE PLANNING & ZONING COMMISSION OF THE CITY OF ROCKWALL ON THE _____ DAY OF _____, 2022.

WITNESS OUR HANDS, THIS _____ DAY OF _____, 2022.

PLANNING & ZONING COMMISSION, CHAIRMAN **DIRECTOR OF PLANNING AND ZONING**

SITE PLAN
SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # SP2022-047
RESUBMITTED SEPTEMBER 7, 2022

Project Name: SPR Warehouse Site
Client:
Drawn By: JOw, LC

Project # :
Date:9/6/2022
Version: REV 4

HLPS HOSSLEY
LIGHTING AND POWER SOLUTIONS

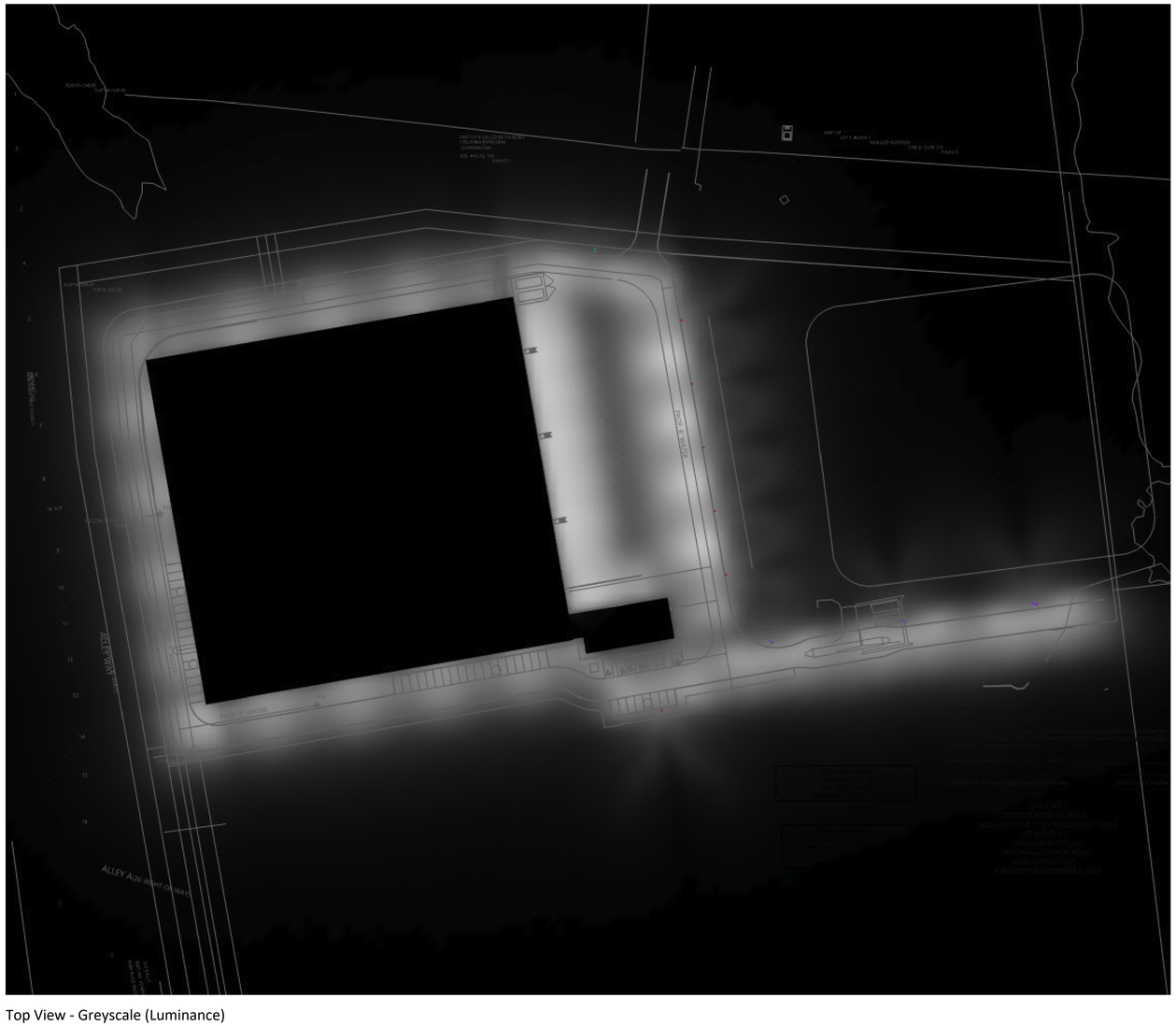
THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO EXISTING / FUTURE FIELD CONDITIONS. THIS LIGHTING LAYOUT REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER VARIABLE FIELD CONDITIONS. THESE LIGHTING CALCULATIONS ARE NOT A SUBSTITUTE FOR INDEPENDENT ENGINEERING ANALYSIS OF LIGHTING SYSTEM SUITABILITY AND SAFETY. THE ENGINEER AND/OR ARCHITECT IS RESPONSIBLE TO REVIEW FOR COMPLIANCE OF ALL APPLICABLE ENERGY CODES AND LIGHTING QUALITY STANDARDS.

Luminaire Schedule								
Symbol	Label	Qty	Arrangement	Manufacturer & Part Number	LLF	Lum. Lumens	Luminaire Watts	Total Watts
	P3	3	Single	HUBBELL RAR2-480L-185-4K7-3-U	0.900	24684	174.5	523.5
	P4	6	Single	HUBBELL RAR2-480L-185-4K7-4W-U	0.900	24226	174.5	1047
	P8	1	Single	HUBBELL RAR2-480L-185-4K7-4W-U-BC	0.900	13508	174.5	174.5
	W4	15	Single	HUBBELL RWL2-160L-115-4K7-4-U	0.900	14403	109.8	1647
	W5	7	Single	HUBBELL RWL2-160L-155-4K7-4-U	0.900	18592	156.8	1097.6

NOTES:
1) Fixture Mounting Heights (MH) are indicated next to each fixture.
2) All fixtures labeled with "_alt" indicates an alternative fixture different from what was listed in the fixture schedule received was used in this calculation
3) Interior reflectances 80/50/20; exterior reflectances 20% UON.
4) Quantity (QTY) indicated on HLPS Luminaire Schedule is for what is included in this calculation study only - Not final counts.
5) Contractor to verify exact fixture quantities and fixture run lengths before ordering.

Calculation Summary										
Label	CalcType	Units	PtSpcLr	PtSpcTb	Avg	Max	Min	Avg/Min	Max/Min	Description
Overall Area	Illuminance	Fc	10	10	0.79	5.9	0.0	N.A.	N.A.	Readings taken at 0'-0" AFG
Property Line - East	Illuminance	Fc	10	N.A.	0.01	0.2	0.0	N.A.	N.A.	Readings taken at 0'-0" AFG
Property Line - North	Illuminance	Fc	10	N.A.	0.00	0.2	0.0	N.A.	N.A.	Readings taken at 0'-0" AFG
Property Line - West	Illuminance	Fc	10	N.A.	0.05	0.1	0.0	N.A.	N.A.	Readings taken at 0'-0" AFG
Loading-Pkg-Drive Areas	Illuminance	Fc			2.58	6	0	N.A.	N.A.	Readings taken at 0'-0" AFG

Isoline Legend	
Illuminance (Fc)	
Color	Value
	0.2
	0.5
	1



Top View - Greyscale (Luminance)

SITE DATA SUMMARY TABLE	
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FLOOR AREA RATIO (X.XX:1)	0.08

SIGNATURE BLOCK

APPROVED:
I HEREBY CERTIFY THAT THE ABOVE AND FOREGOING SITE PLAN FOR A DEVELOPMENT IN THE CITY OF ROCKWELL, TEXAS, WAS APPROVED BY THE PLANNING & ZONING COMMISSION OF THE CITY OF ROCKWALL ON THE _____ DAY OF _____, 2022.

WITNESS OUR HANDS, THIS _____ DAY OF _____, 2022.

PLANNING & ZONING COMMISSION, CHAIRMAN **DIRECTOR OF PLANNING AND ZONING**

PROPERTY OWNER:
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1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

CIVIL ENGINEER:
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SITE PLAN
SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # SP2022-047
RESUBMITTED SEPTEMBER 7, 2022

Project Name: SPR Warehouse Site
Client:
Drawn By: JOw, LC

Project # :
Date:9/6/2022
Version: REV 4

HLPS HOSSLEY
LIGHTING AND POWER SOLUTIONS

THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO EXISTING / FUTURE FIELD CONDITIONS. THIS LIGHTING LAYOUT REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER VARIABLE FIELD CONDITIONS. THESE LIGHTING CALCULATIONS ARE NOT A SUBSTITUTE FOR INDEPENDENT ENGINEERING ANALYSIS OF LIGHTING SYSTEM SUITABILITY AND SAFETY. THE ENGINEER AND/OR ARCHITECT IS RESPONSIBLE TO REVIEW FOR COMPLIANCE OF ALL APPLICABLE ENERGY CODES AND LIGHTING QUALITY STANDARDS.

HUBBELL Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO Series

AREA/SITE LIGHTER

FEATURES

- Low profile LED area/site luminaire with a variety of IES distributions for lighting applications such as retail, commercial and campus parking lots
- Featuring Micro Strike Optics which maximizes target zone illumination with minimal losses at the house-side, reducing light trespass issues
- Visual comfort standard
- Compact and lightweight design with low EPA
- 3G rated for high vibration applications including bridges and overpasses
- Control options including photo control, occupancy sensing, NX Distributed Intelligence™ and 7-Pin with networked controls
- Best in class surge protection available

c UL us IP66 DLC LISTED DLC PREMIUM BUY AMERICAN SOLUTIONS

See Certification Specifications



RELATED PRODUCTS

Airo | Cimarron LED | Ratio Family

CONTROL TECHNOLOGY

SiteSync LIGHTING CONTROL | NX DISTRIBUTED INTELLIGENCE™ | wiSCAPE™

SPECIFICATIONS

CONSTRUCTION

- Rectilinear form mimics the traditional shoebox form factor keeping a similar but updated style and appearance, ideal for retrofit applications
- Die-cast housing with hidden vertical heat fins that are optimal for heat dissipation while keeping a clean smooth outer surface
- Corrosion resistant, die-cast aluminum housing with powder coat paint finish

OPTICS

- Entire optical aperture illuminates to create a larger luminous surface area resulting in a low glare appearance without sacrificing optical performance
- 80, 160, 320 or 480 midpower LEDs
- 3000K, 4000K or 5000K (70 CRI) CCT
- Zero uplight at 0 degrees of tilt
- Field rotatable optics

INSTALLATION

- Standard square arm mount, compatible with B3 drill pattern
- Optional universal mounting block for ease of installation during retrofit applications. Available as an option or accessory for square and round poles.
- Knuckle arm fitter option available for 2-3/8" OD tenon. Max tilt of 60 degrees with 4 degree adjustable increments. (Restrictions apply for 7-pin options)

ELECTRICAL

- Universal 120-277 VAC or 347-480 VAC input voltage, 50/60 Hz

ELECTRICAL (CONTINUED)

- Ambient operating temperature -40˚C to 40˚C
- Drivers have greater than 90% power factor and less than 20% THD
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Field replaceable surge protection device provides 20kA protection meeting ANSI/IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device is compromised

CONTROLS

- Photo control, occupancy sensor and wireless available for complete on/off and dimming control
- 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules (control accessories sold separately)
- 0- 10 V Dimming Drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than the 6" standard
- SiteSync™ wireless control system is available via 7-pin See ordering information and details at: www.hubbelllighting.com/sitesync
- NX Distributed Intelligence™ available with in fixture wireless control module, features dimming and occupancy sensor
- wiSCAPE® available with in fixture wireless control module, features dimming and occupancy sensor via 7-pin

CERTIFICATIONS

- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Please refer to the DLC website for specific product qualifications at www.designlights.org
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40˚C ambient temperatures
- 3G rated for ANSI C136.31 high vibration applications
- Fixture is IP66 rated
- Meets IDA recommendations using 3K CCT configuration at 0 degrees of tilt
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 04/23/2020. See Buy American Solutions

WARRANTY

- 5 year limited warranty
- See HLI Standard Warranty for additional information

KEY DATA	
Lumen Range	3,000–48,000
Wattage Range	25–340
Efficacy Range (LPW)	118–155
Fixture Projected Life (Hours)	L70>60K
Weights lbs. (kg)	13.5–24 (6.1–10.9)

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701 Millennium Blvd • Greenville, SC 29607 / Tel 864.678.1000 / Website www.hubbelloutdoor.com

HUBBELL Lighting

HUBBELL Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO SERIES

AREA/SITE LIGHTER

ORDERING GUIDE

Example: RAR1-80L-25-3K7-2-UNV-ASQ-BL-NXWE-BC

CATALOG #

ORDERING INFORMATION

Series		# LEDs - Wattage		CCT/CRI		Distribution		Optics Rotation		Voltage	
RAR1	Ratio Area Size 1	80L-25	25W - 3,000 Lumens	3K7	3000K, 70 CRI	2	IES TYPE II	Blank for no rotation		UNV	Universal 120-277V
		80L-39	39W -5,200 Lumens	4K7	4000K, 70 CRI	3	IES TYPE III	L	Optic rotation left	120	120V
		80L-50	50W - 6,000 Lumens	5K7	5000K, 70 CRI	4W	IES TYPE IV	R	Optic rotation right	208	208V
		160L-70	70W - 9,000 Lumens			5QW	IES TYPE V			240	240V
		160L-100	100W - 12,000 Lumens							277	277V
		160L-115	115W - 15,000 Lumens							347	347V
		160L-135	135W - 18,000 Lumens							480	480V
RAR2	Ratio Area Size 2	320L-110	110W - 15,000 Lumens								
		320L-140	140W - 18,000 Lumens								
		320L-165	165W - 21,000 Lumens								
		480L-185	185W - 24,000 Lumens								
		480L-210	210W - 27,000 Lumens								
		480L-240	240W - 30,000 Lumens								
		480L-255	255W - 36,000 Lumens								
		480L-295	295W - 42,000 Lumens								
		480L-340	340W - 48,000 Lumens								

Mounting		Color		Control Options Network		Options	
ASQ	Arm mount for square pole/flat surface	BLT	Black Matte Textured	NXWE	NX Wireless Enabled (module + radio)	BC	Backlight control
ASQU	Universal arm mount for square pole/flat surface	BLS	Black Gloss Smooth	NXSPW_F	NX Wireless, PIR Occ. Sensor, Daylight Harvesting [4]	F	Fusing (must specify voltage)
Mounting Round Poles		DBT	Dark Bronze Matte Textured	NXSP_F	NX, PIR Occ. Sensor, Daylight Harvesting [4]	TB	Terminal block
A_	Arm mount for round pole[1]	DBS	Dark Brone Gloss Smooth	**Control Options Other**		2PF	2 power feed with 2 drivers[2]
A_U	Universal arm mount for round pole[1]	GTT	Graphite Matte Textured	SCP-40F	Programmable occupancy sensor [3]		
Mounting Other		LGS	Light Grey Gloss Smooth	7PR	7-Pin twist lock receptacle		
WB	Wall bracket	PSS	Platinum Silver Smooth	7PR-SC	7-Pin receptacle with shorting cap		
MAF	Mast arm fitter for 2-3/8" OD horizontal arm	WHT	White Matte Textured	7PR-MD40F	Low voltage sensor for 7PR		
K	Knuckle	WHS	White Gloss Smooth	7PR-TL	7-Pin PCR with photocontrol		
		VGT	Verde Green Textured	**Sensors**			
		Color Option		BTS_F	Bluetooth Programmable, PIR Occupancy/Daylight Sensor, 360° lens [4]		
		CC	Custom Color	BTSO_F	Bluetooth Programmable, PIR Occupancy/Daylight Sensor, 360° lens, up to 12' mounting height [5]		

Notes:

1. Replace "_" with "3" for 3.5"-4.13" OD pole, "4" for 4.18"-5.25" OD pole, "5" for 5.5"-6.5" OD pole
2. Not available with 25, 50, 255, 295 & 340W configurations
3. At least one SCPREMOTE required to program SCP motion sensor
4. Replace "_" with "14" for up to 14' mounting height, "40F" for 15-40' mounting height
5. Replace "_" with "12" for up to 12' mounting height

STOCK ORDERING INFORMATION

Catalog Number	Lumens	Wattage	LED Count	CCT/CRI	Voltage	Distribution	Mounting	Finish
RAR1-100-4K-3	12,000	100W	160L	4000K/70CRI	120-277V	Type 3	Square Arm	Bronze
RAR1-100-4K-4W	12,000	100W	160L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze
RAR1-135-4K-3	18,000	135W	160L	4000K/70CRI	120-277V	Type 3	Square Arm	Bronze
RAR1-135-4K-4W	18,000	135W	160L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze
RAR2-165-4K-3	21,000	165W	320L	4000K/70CRI	120-277V	Type 3	Square Arm	Bronze
RAR2-165-4K-4W	21,000	165W	320L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze

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CATALOG #:

RATIO SERIES

AREA/SITE LIGHTER

OPTIONS AND ACCESSORIES - STOCK (ORDERED SEPARATELY)

	Catalog Number	Description
☐	**RARRPA3DB**	Round pole adapter 3.5" to 4.13" for ASQ arm, 3.5" to 4.13" OD pole, dark bronze finish
☐	**RARA3UDB**	Universal mount for square pole or round pole 3.5" to 4.13", dark bronze finish
☐	**RARBC80L**	Ratio blacklight control 80L
☐	**RARBC160L**	Ratio blacklight control 160L
☐	**RARBC320L**	Ratio blacklight control 320L
☐	**RARBC480L**	Ratio blacklight control 480L

ACCESSORIES AND REPLACEMENT PARTS - MADE TO ORDER

	Catalog Number	Description
☐	**RAR–ASQU–XX**	Universal arm mount for square pole/flat surface[2]
☐	**RAR–A_U-XX**	Universal arm mount for round poles[1,2]
☐	**RAR–RPA_–XX**	Round pole adapter[1, 2]
☐	**SETAVP-XX**	4" square pole top tenon adapter, 2 3/8" OD slipfitter[2]
☐	**RETAVP-XX**	4" round pole top tenon adapter; 2 3/8" OD slipfitter for max. Four fixtures (90o); order 4" round pole adapters separately[2]
☐	**BIRD–SPIKE–3**	Ratio size 1 bird deterrent/spikes
☐	**BIRD–SPIKE–4**	Ratio size 2 bird deterrent/spikes
☐	**RARWB–XX**	Wall bracket - use with Mast Arm Fitter or Knuckle[2]

1 Replace "_" with "3" for 3.5"-4.13" OD pole, "4" for 4.18"-5.25" OD pole, "5" for 5.5"-6.5" OD pole

2 Replace "XX" with desired color/paint finish

CONTROLS

Control Options	
Standalone	
SW7PR	SiteSync™ on fixture module via 7PR
SWUSB	SiteSync™ Software on USB
SWTAB	SiteSync™ Windows Tablet
SWBRG	SiteSync™ Wireless Bridge Node
SWFC	SiteSync™ Field Commission Serve
SCPREMOTE	Order at least one per project location to program and control
Networked – Wireless	
WIR-RME-L	wiSCAPE External Fixture Module[1,2]
NX Networked – Wireless	
NXOFM-1R1D-UNV	NX Wireless, Daylight Harvesting, BLE, 7 pin twisted lock

Notes:

1 Works with external networked photosensor

2 wiSCAPE Gateway required for system programming

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RATIO SERIES

AREA/SITE LIGHTER

PERFORMANCE DATA

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
RAR1	25	25.4	2	3438	135	1	0	1	3445	136	1	0	1	3240	128	1	0	1
			3	3460	136	1	0	1	3467	136	1	0	1	3260	128	1	0	1
			4W	3406	134	1	0	1	3412	134	1	0	1	3209	126	1	0	1
			5QW	3483	137	2	0	1	3490	137	2	0	1	3282	129	2	0	1
	39	39	2	5263	139	1	0	2	5273	139	1	0	2	4960	131	1	0	2
			3	5297	139	1	0	2	5308	140	1	0	2	4991	131	1	0	2
			4W	5200	137	1	0	2	5210	137	1	0	2	4900	129	1	0	2
			5QW	5333	140	3	0	1	5344	141	3	0	1	5025	132	3	0	1
	50	49.8	2	6310	127	1	0	2	6323	127	1	0	2	5946	120	1	0	2
			3	6349	128	1	0	2	6362	128	1	0	2	5983	120	1	0	2
			4W	6233	125	1	0	2	6245	126	1	0	2	5873	118	1	0	2
			5QW	6392	129	3	0	1	6405	129	3	0	1	6023	121	3	0	1
	70	68.4	2	9486	139	1	0	2	9505	139	1	0	2	8938	131	1	0	2
			3	9544	140	1	0	2	9563	140	1	0	2	8993	131	1	0	2
			4W	9395	137	1	0	2	9414	138	1	0	2	8853	129	1	0	2
			5QW	9608	140	4	0	2	9628	141	4	0	2	9054	132	4	0	2
	100	90.0	2	11976	133	2	0	2	12000	133	2	0	2	11285	125	2	0	2
			3	12050	134	2	0	2	12074	134	2	0	2	11354	126	2	0	2
			4W	11861	132	2	0	2	11885	132	2	0	2	11177	124	2	0	2
			5QW	12131	135	4	0	2	12155	135	4	0	2	11431	127	4	0	2
	115	109.7	2	15572	142	2	0	2	15494	141	2	0	2	14871	136	2	0	2
			3	15833	144	2	0	2	15754	144	2	0	2	15121	138	2	0	2
			4W	15281	139	2	0	3	15205	139	2	0	3	14623	133	2	0	3
			5QW	15732	143	4	0	2	15653	143	4	0	2	15024	137	4	0	2
	135	133.3	2	17971	135	3	0	3	17881	134	3	0	3	17163	129	3	0	3
			3	18272	137	2	0	2	18181	136	2	0	2	17450	131	2	0	2
			4W	17635	132	2	0	3	17547	132	2	0	3	16876	127	2	0	3
			5QW	18156	136	4	0	2	18065	136	4	0	2	17339	130	4	0	2

RAR2 Performance Data on next page

* Lumen values are from photometric test performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

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CATALOG #:

RATIO SERIES

AREA/SITE LIGHTER

PERFORMANCE DATA

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
RAR2	110	100.3	2	15326	153	2	0	3	15357	153	2	0	3	14442	144	2	0	3
			3	15421	154	2	0	3	15452	154	2	0	3	14531	145	2	0	3
			4W	15180	151	2	0	2	15210	152	2	0	2	14304	143	2	0	2
			5QW	15525	155	4	0	2	15556	155	4	0	2	14629	146	4	0	2
	140	133.2	2	19395	146	2	0	3	19434	146	2	0	3	18276	137	2	0	3
			3	19515	147	2	0	3	19554	147	2	0	3	18389	138	2	0	3
			4W	19210	144	2	0	3	19248	145	2	0	3	18101	136	2	0	3
			5QW	19647	148	5	0	3	19686	148	5	0	3	18513	139	5	0	3
	165	153.6	2	21651	141	3	0	3	21695	141	3	0	3	20402	133	3	0	3
			3	21785	142	3	0	3	21828	142	3	0	3	20527	134	3	0	3
			4W	21444	140	3	0	3	21487	140	3	0	3	20206	132	3	0	3
			5QW	21932	143	5	0	3	21976	143	5	0	3	20666	135	5	0	3
	185	174.5	2	26046	149	3	0	3	26098	150	3	0	3	24543	141	3	0	3
			3	26207	150	3	0	3	26259	150	3	0	3	24694	142	3	0	3
			4W	25797	148	3	0	4	25849	148	3	0	4	24308	139	3	0	4
			5QW	26384	151	5	0	3	26437	152	5	0	3	24861	143	5	0	3
	210	198.2	2	28848	145	3	0	4	28906	146	3	0	4	27184	137	3	0	4
			3	29027	146	3	0	4	29085	147	3	0	4	27351	138	3	0	4
			4W	28572	144	3	0	4	28630	144	3	0	4	26924	136	3	0	4
			5QW	29222	147	5	0	4	29281	148	5	0	4	27536	139	5	0	4
	240	226.9	2	32087	141	3	0	4	32151	142	3	0	4	30235	133	3	0	4
			3	32285	142	3	0	4	32350	143	3	0	4	30422	134	3	0	4
			4W	31780	140	3	0	4	31844	140	3	0	4	29946	132	3	0	4
			5QW	32503	143	5	0	4	32568	144	5	0	4	30627	135	5	0	4
	255	257.0	2	37040	144	3	0	4	36854	143	3	0	4	35373	138	3	0	4
			3	37660	147	3	0	4	37472	146	3	0	4	35966	140	3	0	4
			4W	36347	141	3	0	5	36166	140	3	0	5	34782	135	3	0	5
			5QW	37420	146	5	0	4	37233	145	5	0	4	35736	139	5	0	4
	295	294.0	2	41733	142	3	0	4	41524	141	3	0	4	39855	136	3	0	4
			3	42432	144	3	0	4	42220	144	3	0	4	40523	138	3	0	4
			4W	40953	139	3	0	5	40748	139	3	0	5	39190	133	3	0	5
			5QW	42162	143	5	0	4	41951	143	5	0	4	40264	137	5	0	4
	340	347.1	2	48392	139	4	0	5	48150	139	4	0	5	46215	133	4	0	5
			3	49203	142	3	0	4	48957	141	3	0	4	46989	135	3	0	4
			4W	47488	137	4	0	5	47261	136	4	0	5	45443	131	4	0	5
			5QW	48889	141	5	0	5	48645	140	5	0	5	46689	135	5	0	5

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CATALOG #:

RATIO SERIES

AREA/SITE LIGHTER

ELECTRICAL DATA

# OF LEDS	Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
RAR1	25	120	0.21	25.4
		208	0.12	
		240	0.11	
		277	0.09	
	39	120	0.32	38.0
		208	0.18	
		240	0.16	
		277	0.14	
		347	0.11	
		480	0.08	
	50	120	0.42	49.8
		208	0.24	
		240	0.21	
		277	0.18	
	70	120	0.57	68.4
		208	0.33	
		240	0.29	
		277	0.25	
	100	120	0.75	90.0
		208	0.43	
		240	0.38	
		277	0.32	
	115	120	0.91	109.7
		208	0.53	
		240	0.46	
		277	0.40	
		347	0.32	
		480	0.23	
	135	120	1.11	133.3
		208	0.64	
		240	0.56	
		277	0.48	
		347	0.38	
		480	0.28	

# OF LEDS	Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
RAR2	110	120	0.84	100.3
		208	0.48	
		240	0.42	
		277	0.36	
	140	120	1.11	133.2
		208	0.64	
		240	0.56	
		277	0.48	
	165	120	1.28	153.6
		208	0.74	
		240	0.64	
		277	0.55	
	185	120	1.45	174.5
		208	0.84	
		240	0.73	
		277	0.63	
	210	120	1.65	198.3
		208	0.95	
		240	0.83	
		277	0.72	
	240	120	1.89	226.9
		208	1.09	
		240	0.95	
		277	0.82	
	255	120	2.14	257.0
		208	1.24	
		240	1.07	
		277	0.93	
		347	0.74	
		480	0.54	
	295	120	2.45	294.0
		208	1.41	
		240	1.23	
		277	1.06	
		347	0.85	
		480	0.61	
	340	120	2.89	347.1
		208	1.67	
		240	1.45	
		277	1.25	
		347	1.00	
		480	0.72	

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

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

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

PROJECTED LUMEN MAINTENANCE

Ambient Temperature	OPERATING HOURS					
	0	25,000	TM-21-11 L90 36,000	50,000	100,000	L70 (Hours)
25°C / 77°F	1.00	0.97	0.95	0.93	0.86	238,000
40°C / 104°F	0.99	0.96	0.95	0.93	0.85	225,000

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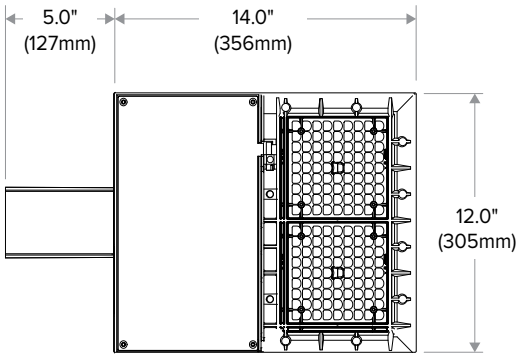
CATALOG #:

RATIO SERIES

AREA/SITE LIGHTER

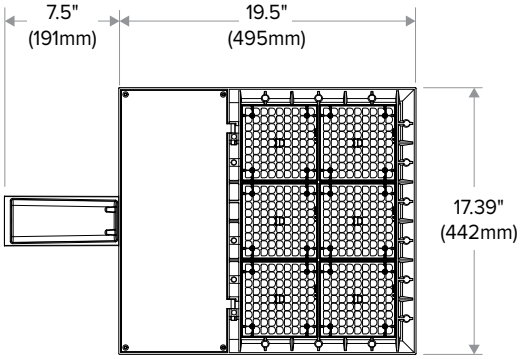
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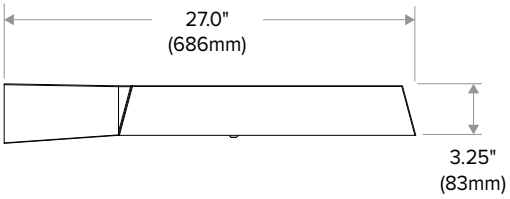
RAR1





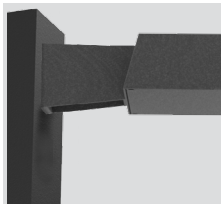
RAR2



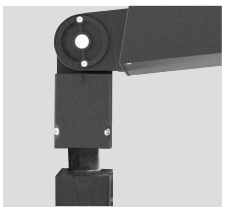


ADDITIONAL INFORMATION

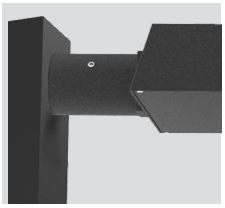
MOUNTING



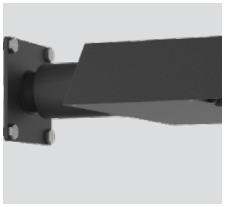
Arm Mount – Fixture ships with integral arm for ease of installation. Compatible with Hubbell Outdoor B3 drill pattern.



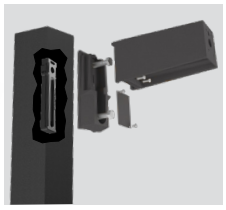
Knuckle – Knuckle mount 15° aiming angle increments for precise aiming and control, fits 2-3/8" tenons or pipes.



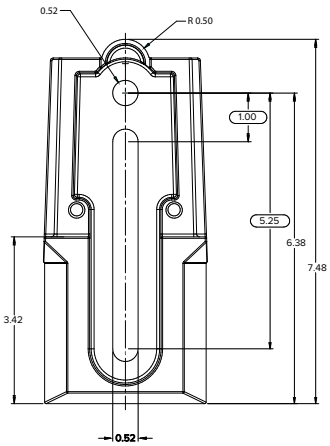
MAF – Fits 2-3/8" OD arms Roadway applications.



Wall Mount – Wall mount bracket designed for building mount applications.



Universal Mounting – Universal mounting block for ease of installation. Compatible with drill patterns from 2.5" to 4.5"



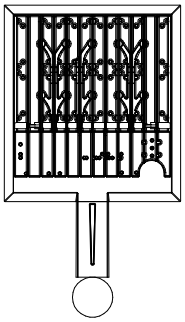
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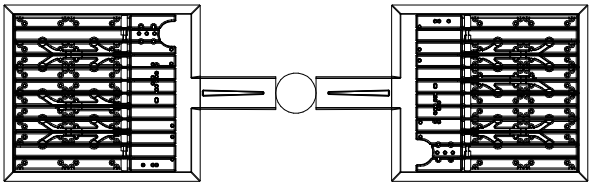
RATIO SERIES

AREA/SITE LIGHTER

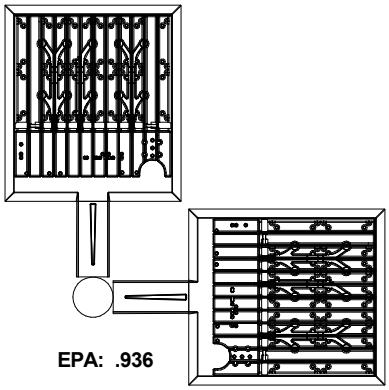
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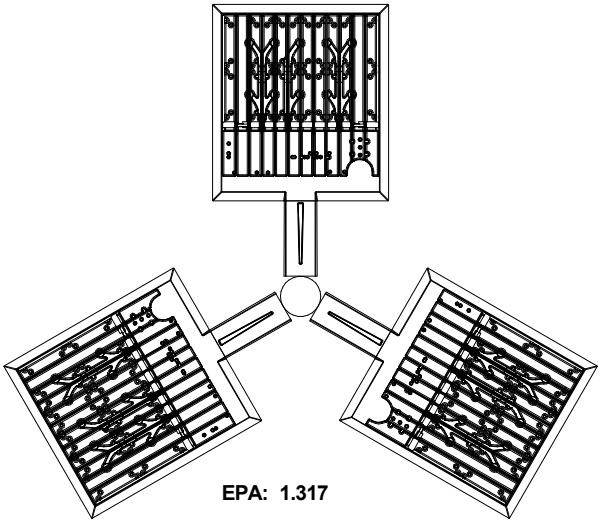
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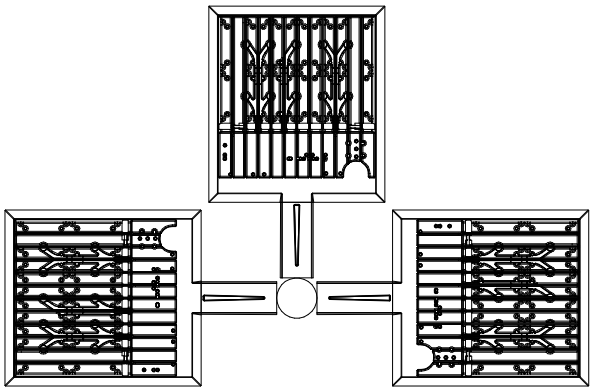
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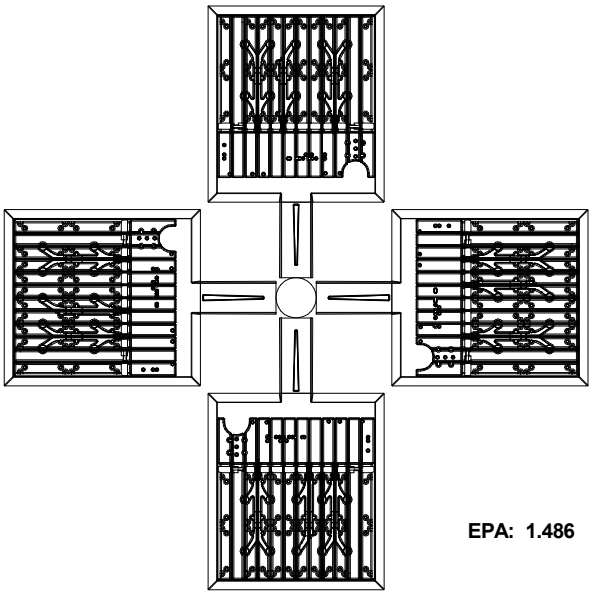
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EPA: 1.317



EPA: 1.486



EPA: 1.486

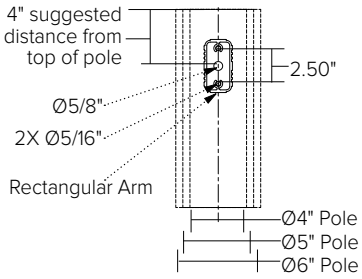
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RATIO SERIES

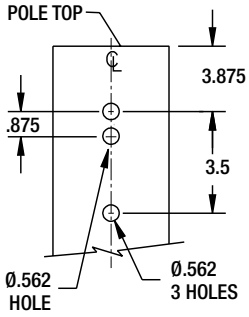
AREA/SITE LIGHTER

ADDITIONAL INFORMATION (CONT'D)

ARM MOUNT (ASQ)
Compatible with Pole drill pattern B3



UNIVERSAL MOUNTING (ASQU)
Compatible with pole drill pattern S2



SITESYNC 7-PIN MODULE



SW7PR

SiteSync LIGHTING CONTROL

- SiteSync features in a new form
- Available as an accessory for new construction or retrofit applications (with existing 7-Pin receptacle)

PROGRAMMED CONTROLS

ADD-AutoDim Timer Based Options

- Light delay options from 1-9 hours after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1-9 hours after the light has been dimmed previously.

EX: ADD-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	1-9 Hours	6
Auto-Dim Brightness	0-9% Brightness	5
Auto-Dim Return	Delay 0-9 Hours	R6

ADT-AutoDim Time of Day Based Option

- Light delay options from 1AM-9PM after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1AM-9PM after the light has been dimmed previously.

EX: ADT-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	12-3 AM and 6-11 PM	6
Auto-Dim Brightness	0-9% Brightness	5
Auto-Dim Return	12-6 AM and 9-11P	R6

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DATE: LOCATION:

TYPE: PROJECT:

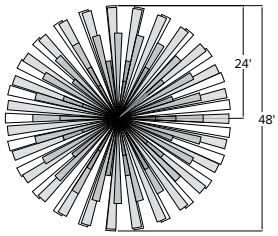
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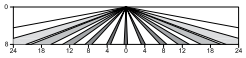
RATIO SERIES

AREA/SITE LIGHTER

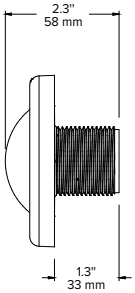
ADDITIONAL INFORMATION (CONT'D)

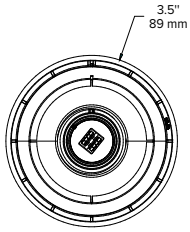
NXSP-14F



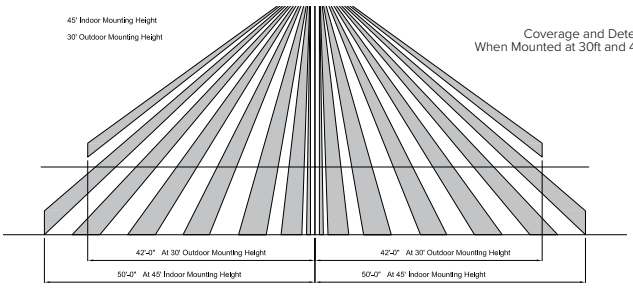


Sensor Lens Coverage and Detection Patterns
When Mounted at 8ft with Low Mount Lens

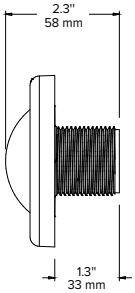


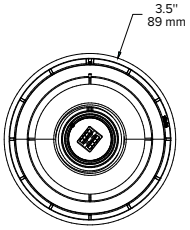


NXSP-30F

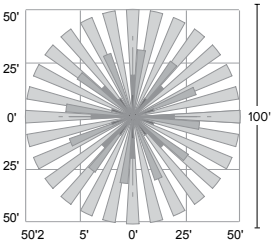


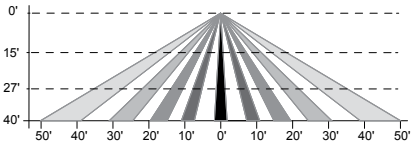
Coverage and Detection Patterns
When Mounted at 30ft and 45ft with Standard Lens

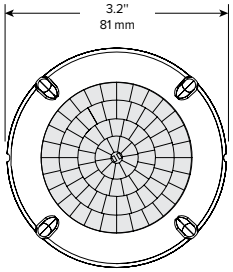


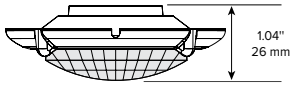


SCP-40F









RAR1 EPA

RAR-1	
EPA at 0˚	EPA at 30˚
.45ft.^{2} .13m^2	.56ft.^{2} .17m^2

RAR2 EPA

RAR-2	
EPA at 0˚	EPA at 30˚
.55ft.^{2} .17m^2	1.48ft.^{2} .45m^2

SHIPPING

Catalog Number	G.W(kg)/ CTN	Carton Dimensions		
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)
RAR1	15 (6.8)	20.75 (52.7)	15.125 (38.4)	6.9375 (17.6)
RAR2	19 (8.6)	25 (63.5)	15.125 (38.4)	6.9375 (17.6)

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CATALOG #:

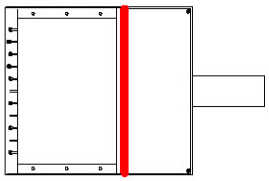
RATIO SERIES

AREA/SITE LIGHTER

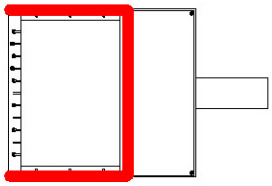
ADDITIONAL INFORMATION (CONT'D)

RATIO HOUSE SIDE SHIELD

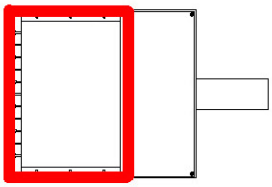
RARx HSS-90-B-xx



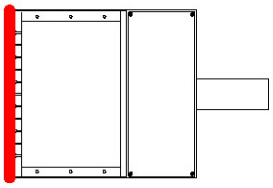
RARx HSS-270-BSS-xx



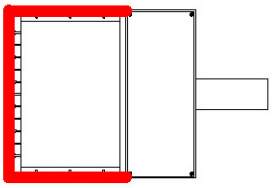
RARx HSS-360-xx



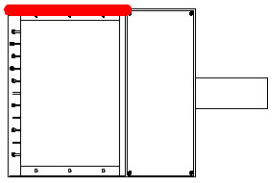
RARx HSS-90-F-xx



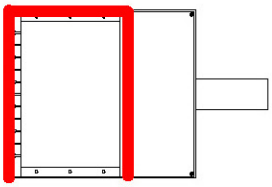
RARx HSS-270-FSS-xx



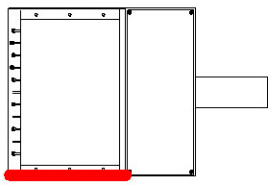
RARx HSS-90-S-xx



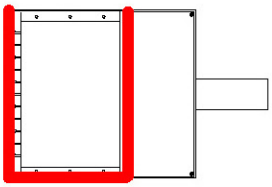
RARx HSS-270-FSB-xx



RARx HSS-90-S-xx



RARx HSS-270-FSB-xx



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HUBBELL Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO Series

AREA/SITE LIGHTER

FEATURES

- Low profile LED area/site luminaire with a variety of IES distributions for lighting applications such as retail, commercial and campus parking lots
- Featuring Micro Strike Optics which maximizes target zone illumination with minimal losses at the house-side, reducing light trespass issues
- Visual comfort standard
- Compact and lightweight design with low EPA
- 3G rated for high vibration applications including bridges and overpasses
- Control options including photo control, occupancy sensing, NX Distributed Intelligence™ and 7-Pin with networked controls
- Best in class surge protection available

c UL us IP66 DLC LISTED DLC PREMIUM BUY AMERICAN SOLUTIONS

See Certification Specifications



RELATED PRODUCTS

Airo | Cimarron LED | Ratio Family

CONTROL TECHNOLOGY

SiteSync LIGHTING CONTROL | NX DISTRIBUTED INTELLIGENCE™ | wiSCAPE™

SPECIFICATIONS

CONSTRUCTION

- Rectilinear form mimics the traditional shoebox form factor keeping a similar but updated style and appearance, ideal for retrofit applications
- Die-cast housing with hidden vertical heat fins that are optimal for heat dissipation while keeping a clean smooth outer surface
- Corrosion resistant, die-cast aluminum housing with powder coat paint finish

OPTICS

- Entire optical aperture illuminates to create a larger luminous surface area resulting in a low glare appearance without sacrificing optical performance
- 80, 160, 320 or 480 midpower LEDs
- 3000K, 4000K or 5000K (70 CRI) CCT
- Zero uplight at 0 degrees of tilt
- Field rotatable optics

INSTALLATION

- Standard square arm mount, compatible with B3 drill pattern
- Optional universal mounting block for ease of installation during retrofit applications. Available as an option or accessory for square and round poles.
- Knuckle arm fitter option available for 2-3/8" OD tenon. Max tilt of 60 degrees with 4 degree adjustable increments. (Restrictions apply for 7-pin options)

ELECTRICAL

- Universal 120-277 VAC or 347-480 VAC input voltage, 50/60 Hz

ELECTRICAL (CONTINUED)

- Ambient operating temperature -40˚C to 40˚C
- Drivers have greater than 90% power factor and less than 20% THD
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Field replaceable surge protection device provides 20kA protection meeting ANSI/IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device is compromised

CONTROLS

- Photo control, occupancy sensor and wireless available for complete on/off and dimming control
- 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules (control accessories sold separately)
- 0- 10 V Dimming Drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than the 6" standard
- SiteSync™ wireless control system is available via 7-pin See ordering information and details at: www.hubbelllighting.com/sitesync
- NX Distributed Intelligence™ available with in fixture wireless control module, features dimming and occupancy sensor
- wiSCAPE® available with in fixture wireless control module, features dimming and occupancy sensor via 7-pin

CERTIFICATIONS

- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Please refer to the DLC website for specific product qualifications at www.designlights.org
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40˚C ambient temperatures
- 3G rated for ANSI C136.31 high vibration applications
- Fixture is IP66 rated
- Meets IDA recommendations using 3K CCT configuration at 0 degrees of tilt
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 04/23/2020. See Buy American Solutions

WARRANTY

- 5 year limited warranty
- See HLI Standard Warranty for additional information

KEY DATA	
Lumen Range	3,000–48,000
Wattage Range	25–340
Efficacy Range (LPW)	118–155
Fixture Projected Life (Hours)	L70>60K
Weights lbs. (kg)	13.5–24 (6.1–10.9)

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DATE: LOCATION:

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RATIO SERIES

AREA/SITE LIGHTER

ORDERING GUIDE

Example: RAR1-80L-25-3K7-2-UNV-ASQ-BL-NXWE-BC

CATALOG #

ORDERING INFORMATION

Series		# LEDs - Wattage		CCT/CRI		Distribution		Optics Rotation		Voltage	
RAR1	Ratio Area Size 1	80L-25	25W - 3,000 Lumens	3K7	3000K, 70 CRI	2	IES TYPE II	Blank for no rotation		UNV	Universal 120-277V
		80L-39	39W -5,200 Lumens	4K7	4000K, 70 CRI	3	IES TYPE III	L	Optic rotation left	120	120V
		80L-50	50W - 6,000 Lumens	5K7	5000K, 70 CRI	4W	IES TYPE IV	R	Optic rotation right	208	208V
		160L-70	70W - 9,000 Lumens			5QW	IES TYPE V			240	240V
		160L-100	100W - 12,000 Lumens							277	277V
		160L-115	115W - 15,000 Lumens							347	347V
		160L-135	135W - 18,000 Lumens							480	480V
RAR2	Ratio Area Size 2	320L-110	110W - 15,000 Lumens								
		320L-140	140W - 18,000 Lumens								
		320L-165	165W - 21,000 Lumens								
		480L-185	185W - 24,000 Lumens								
		480L-210	210W - 27,000 Lumens								
		480L-240	240W - 30,000 Lumens								
		480L-255	255W - 36,000 Lumens								
		480L-295	295W - 42,000 Lumens								
		480L-340	340W - 48,000 Lumens								

Mounting		Color		Control Options Network		Options	
ASQ	Arm mount for square pole/flat surface	BLT	Black Matte Textured	NXWE	NX Wireless Enabled (module + radio)	BC	Backlight control
ASQU	Universal arm mount for square pole/flat surface	BLS	Black Gloss Smooth	NXSPW_F	NX Wireless, PIR Occ. Sensor, Daylight Harvesting [4]	F	Fusing (must specify voltage)
Mounting Round Poles		DBT	Dark Bronze Matte Textured	NXSP_F	NX, PIR Occ. Sensor, Daylight Harvesting [4]	TB	Terminal block
A_	Arm mount for round pole[1]	DBS	Dark Brone Gloss Smooth	**Control Options Other**		2PF	2 power feed with 2 drivers[2]
A_U	Universal arm mount for round pole[1]	GTT	Graphite Matte Textured	SCP-40F	Programmable occupancy sensor [3]		
Mounting Other		LGS	Light Grey Gloss Smooth	7PR	7-Pin twist lock receptacle		
WB	Wall bracket	PSS	Platinum Silver Smooth	7PR-SC	7-Pin receptacle with shorting cap		
MAF	Mast arm fitter for 2-3/8" OD horizontal arm	WHT	White Matte Textured	7PR-MD40F	Low voltage sensor for 7PR		
K	Knuckle	WHS	White Gloss Smooth	7PR-TL	7-Pin PCR with photocontrol		
		VGT	Verde Green Textured	**Sensors**			
		Color Option		BTS_F	Bluetooth Programmable, PIR Occupancy/Daylight Sensor, 360° lens [4]		
		CC	Custom Color	BTSO_F	Bluetooth Programmable, PIR Occupancy/Daylight Sensor, 360° lens, up to 12' mounting height [5]		

Notes:

1. Replace "_" with "3" for 3.5"-4.13" OD pole, "4" for 4.18"-5.25" OD pole, "5" for 5.5"-6.5" OD pole
2. Not available with 25, 50, 255, 295 & 340W configurations
3. At least one SCPREMOTE required to program SCP motion sensor
4. Replace "_" with "14" for up to 14' mounting height, "40F" for 15-40' mounting height
5. Replace "_" with "12" for up to 12' mounting height

STOCK ORDERING INFORMATION

Catalog Number	Lumens	Wattage	LED Count	CCT/CRI	Voltage	Distribution	Mounting	Finish
RAR1-100-4K-3	12,000	100W	160L	4000K/70CRI	120-277V	Type 3	Square Arm	Bronze
RAR1-100-4K-4W	12,000	100W	160L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze
RAR1-135-4K-3	18,000	135W	160L	4000K/70CRI	120-277V	Type 3	Square Arm	Bronze
RAR1-135-4K-4W	18,000	135W	160L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze
RAR2-165-4K-3	21,000	165W	320L	4000K/70CRI	120-277V	Type 3	Square Arm	Bronze
RAR2-165-4K-4W	21,000	165W	320L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze

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DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO SERIES

AREA/SITE LIGHTER

OPTIONS AND ACCESSORIES - STOCK (ORDERED SEPARATELY)

	Catalog Number	Description
☐	**RARRPA3DB**	Round pole adapter 3.5" to 4.13" for ASQ arm, 3.5" to 4.13" OD pole, dark bronze finish
☐	**RARA3UDB**	Universal mount for square pole or round pole 3.5" to 4.13", dark bronze finish
☐	**RARBC80L**	Ratio blacklight control 80L
☐	**RARBC160L**	Ratio blacklight control 160L
☐	**RARBC320L**	Ratio blacklight control 320L
☐	**RARBC480L**	Ratio blacklight control 480L

ACCESSORIES AND REPLACEMENT PARTS - MADE TO ORDER

	Catalog Number	Description
☐	**RAR–ASQU–XX**	Universal arm mount for square pole/flat surface[2]
☐	**RAR–A_U-XX**	Universal arm mount for round poles[1,2]
☐	**RAR–RPA_–XX**	Round pole adapter[1, 2]
☐	**SETAVP-XX**	4" square pole top tenon adapter, 2 3/8" OD slipfitter[2]
☐	**RETAVP-XX**	4" round pole top tenon adapter; 2 3/8" OD slipfitter for max. Four fixtures (90o); order 4" round pole adapters separately[2]
☐	**BIRD–SPIKE–3**	Ratio size 1 bird deterrent/spikes
☐	**BIRD–SPIKE–4**	Ratio size 2 bird deterrent/spikes
☐	**RARWB–XX**	Wall bracket - use with Mast Arm Fitter or Knuckle[2]

1 Replace "_" with "3" for 3.5"-4.13" OD pole, "4" for 4.18"-5.25" OD pole, "5" for 5.5"-6.5" OD pole

2 Replace "XX" with desired color/paint finish

CONTROLS

Control Options	
Standalone	
SW7PR	SiteSync™ on fixture module via 7PR
SWUSB	SiteSync™ Software on USB
SWTAB	SiteSync™ Windows Tablet
SWBRG	SiteSync™ Wireless Bridge Node
SWFC	SiteSync™ Field Commission Serve
SCPREMOTE	Order at least one per project location to program and control
Networked – Wireless	
WIR-RME-L	wiSCAPE External Fixture Module[1,2]
NX Networked – Wireless	
NXOFM-1R1D-UNV	NX Wireless, Daylight Harvesting, BLE, 7 pin twisted lock

Notes:

1 Works with external networked photosensor

2 wiSCAPE Gateway required for system programming

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HUBBELL Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO SERIES

AREA/SITE LIGHTER

PERFORMANCE DATA

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
RAR1	25	25.4	2	3438	135	1	0	1	3445	136	1	0	1	3240	128	1	0	1
			3	3460	136	1	0	1	3467	136	1	0	1	3260	128	1	0	1
			4W	3406	134	1	0	1	3412	134	1	0	1	3209	126	1	0	1
			5QW	3483	137	2	0	1	3490	137	2	0	1	3282	129	2	0	1
	39	39	2	5263	139	1	0	2	5273	139	1	0	2	4960	131	1	0	2
			3	5297	139	1	0	2	5308	140	1	0	2	4991	131	1	0	2
			4W	5200	137	1	0	2	5210	137	1	0	2	4900	129	1	0	2
			5QW	5333	140	3	0	1	5344	141	3	0	1	5025	132	3	0	1
	50	49.8	2	6310	127	1	0	2	6323	127	1	0	2	5946	120	1	0	2
			3	6349	128	1	0	2	6362	128	1	0	2	5983	120	1	0	2
			4W	6233	125	1	0	2	6245	126	1	0	2	5873	118	1	0	2
			5QW	6392	129	3	0	1	6405	129	3	0	1	6023	121	3	0	1
	70	68.4	2	9486	139	1	0	2	9505	139	1	0	2	8938	131	1	0	2
			3	9544	140	1	0	2	9563	140	1	0	2	8993	131	1	0	2
			4W	9395	137	1	0	2	9414	138	1	0	2	8853	129	1	0	2
			5QW	9608	140	4	0	2	9628	141	4	0	2	9054	132	4	0	2
	100	90.0	2	11976	133	2	0	2	12000	133	2	0	2	11285	125	2	0	2
			3	12050	134	2	0	2	12074	134	2	0	2	11354	126	2	0	2
			4W	11861	132	2	0	2	11885	132	2	0	2	11177	124	2	0	2
			5QW	12131	135	4	0	2	12155	135	4	0	2	11431	127	4	0	2
	115	109.7	2	15572	142	2	0	2	15494	141	2	0	2	14871	136	2	0	2
			3	15833	144	2	0	2	15754	144	2	0	2	15121	138	2	0	2
			4W	15281	139	2	0	3	15205	139	2	0	3	14623	133	2	0	3
			5QW	15732	143	4	0	2	15653	143	4	0	2	15024	137	4	0	2
	135	133.3	2	17971	135	3	0	3	17881	134	3	0	3	17163	129	3	0	3
			3	18272	137	2	0	2	18181	136	2	0	2	17450	131	2	0	2
			4W	17635	132	2	0	3	17547	132	2	0	3	16876	127	2	0	3
			5QW	18156	136	4	0	2	18065	136	4	0	2	17339	130	4	0	2

RAR2 Performance Data on next page

* Lumen values are from photometric test performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

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HUBBELL Lighting

HUBBELL Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO SERIES

AREA/SITE LIGHTER

PERFORMANCE DATA

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
RAR2	110	100.3	2	15326	153	2	0	3	15357	153	2	0	3	14442	144	2	0	3
			3	15421	154	2	0	3	15452	154	2	0	3	14531	145	2	0	3
			4W	15180	151	2	0	2	15210	152	2	0	2	14304	143	2	0	2
			5QW	15525	155	4	0	2	15556	155	4	0	2	14629	146	4	0	2
	140	133.2	2	19395	146	2	0	3	19434	146	2	0	3	18276	137	2	0	3
			3	19515	147	2	0	3	19554	147	2	0	3	18389	138	2	0	3
			4W	19210	144	2	0	3	19248	145	2	0	3	18101	136	2	0	3
			5QW	19647	148	5	0	3	19686	148	5	0	3	18513	139	5	0	3
	165	153.6	2	21651	141	3	0	3	21695	141	3	0	3	20402	133	3	0	3
			3	21785	142	3	0	3	21828	142	3	0	3	20527	134	3	0	3
			4W	21444	140	3	0	3	21487	140	3	0	3	20206	132	3	0	3
			5QW	21932	143	5	0	3	21976	143	5	0	3	20666	135	5	0	3
	185	174.5	2	26046	149	3	0	3	26098	150	3	0	3	24543	141	3	0	3
			3	26207	150	3	0	3	26259	150	3	0	3	24694	142	3	0	3
			4W	25797	148	3	0	4	25849	148	3	0	4	24308	139	3	0	4
			5QW	26384	151	5	0	3	26437	152	5	0	3	24861	143	5	0	3
	210	198.2	2	28848	145	3	0	4	28906	146	3	0	4	27184	137	3	0	4
			3	29027	146	3	0	4	29085	147	3	0	4	27351	138	3	0	4
			4W	28572	144	3	0	4	28630	144	3	0	4	26924	136	3	0	4
			5QW	29222	147	5	0	4	29281	148	5	0	4	27536	139	5	0	4
	240	226.9	2	32087	141	3	0	4	32151	142	3	0	4	30235	133	3	0	4
			3	32285	142	3	0	4	32350	143	3	0	4	30422	134	3	0	4
			4W	31780	140	3	0	4	31844	140	3	0	4	29946	132	3	0	4
			5QW	32503	143	5	0	4	32568	144	5	0	4	30627	135	5	0	4
	255	257.0	2	37040	144	3	0	4	36854	143	3	0	4	35373	138	3	0	4
			3	37660	147	3	0	4	37472	146	3	0	4	35966	140	3	0	4
			4W	36347	141	3	0	5	36166	140	3	0	5	34782	135	3	0	5
			5QW	37420	146	5	0	4	37233	145	5	0	4	35736	139	5	0	4
	295	294.0	2	41733	142	3	0	4	41524	141	3	0	4	39855	136	3	0	4
			3	42432	144	3	0	4	42220	144	3	0	4	40523	138	3	0	4
			4W	40953	139	3	0	5	40748	139	3	0	5	39190	133	3	0	5
			5QW	42162	143	5	0	4	41951	143	5	0	4	40264	137	5	0	4
	340	347.1	2	48392	139	4	0	5	48150	139	4	0	5	46215	133	4	0	5
			3	49203	142	3	0	4	48957	141	3	0	4	46989	135	3	0	4
			4W	47488	137	4	0	5	47261	136	4	0	5	45443	131	4	0	5
			5QW	48889	141	5	0	5	48645	140	5	0	5	46689	135	5	0	5

* Lumen values are from photometric test performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

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HUBBELL Lighting

HUBBELL Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO SERIES

AREA/SITE LIGHTER

ELECTRICAL DATA

# OF LEDS	Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
RAR1	25	120	0.21	25.4
		208	0.12	
		240	0.11	
		277	0.09	
	39	120	0.32	38.0
		208	0.18	
		240	0.16	
		277	0.14	
		347	0.11	
		480	0.08	
	50	120	0.42	49.8
		208	0.24	
		240	0.21	
		277	0.18	
	70	120	0.57	68.4
		208	0.33	
		240	0.29	
		277	0.25	
	100	120	0.75	90.0
		208	0.43	
		240	0.38	
		277	0.32	
	115	120	0.91	109.7
		208	0.53	
		240	0.46	
		277	0.40	
		347	0.32	
		480	0.23	
	135	120	1.11	133.3
		208	0.64	
		240	0.56	
		277	0.48	
		347	0.38	
		480	0.28	

# OF LEDS	Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
RAR2	110	120	0.84	100.3
		208	0.48	
		240	0.42	
		277	0.36	
	140	120	1.11	133.2
		208	0.64	
		240	0.56	
		277	0.48	
	165	120	1.28	153.6
		208	0.74	
		240	0.64	
		277	0.55	
	185	120	1.45	174.5
		208	0.84	
		240	0.73	
		277	0.63	
	210	120	1.65	198.3
		208	0.95	
		240	0.83	
		277	0.72	
	240	120	1.89	226.9
		208	1.09	
		240	0.95	
		277	0.82	
	255	120	2.14	257.0
		208	1.24	
		240	1.07	
		277	0.93	
		347	0.74	
		480	0.54	
	295	120	2.45	294.0
		208	1.41	
		240	1.23	
		277	1.06	
		347	0.85	
		480	0.61	
	340	120	2.89	347.1
		208	1.67	
		240	1.45	
		277	1.25	
		347	1.00	
		480	0.72	

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

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

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

PROJECTED LUMEN MAINTENANCE

Ambient Temperature	OPERATING HOURS					
	0	25,000	TM-21-11 L90 36,000	50,000	100,000	L70 (Hours)
25°C / 77°F	1.00	0.97	0.95	0.93	0.86	238,000
40°C / 104°F	0.99	0.96	0.95	0.93	0.85	225,000

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HUBBELL Lighting

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DATE: LOCATION:

TYPE: PROJECT:

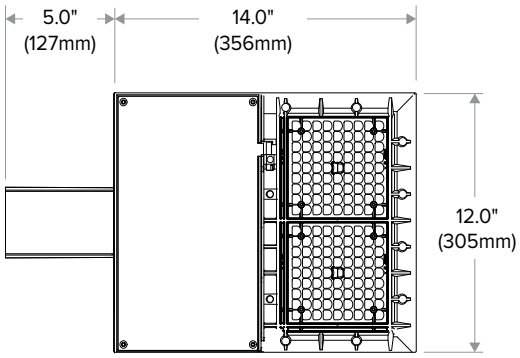
CATALOG #:

RATIO SERIES

AREA/SITE LIGHTER

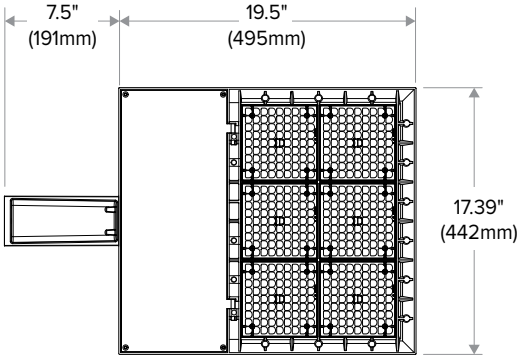
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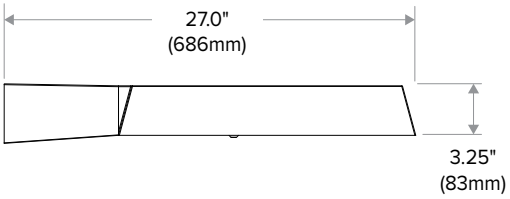
RAR1





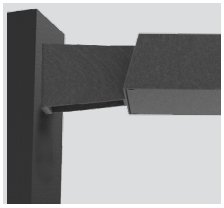
RAR2



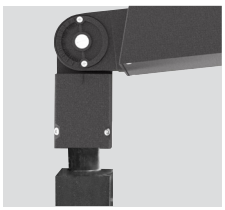


ADDITIONAL INFORMATION

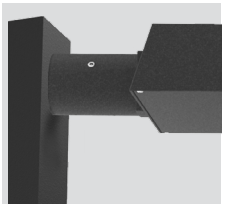
MOUNTING



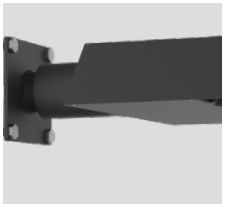
Arm Mount – Fixture ships with integral arm for ease of installation. Compatible with Hubbell Outdoor B3 drill pattern.



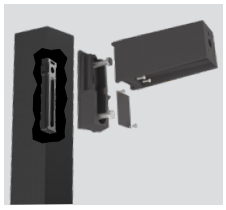
Knuckle – Knuckle mount 15° aiming angle increments for precise aiming and control, fits 2-3/8" tenons or pipes.



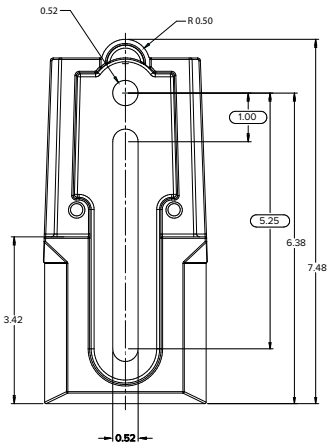
MAF – Fits 2-3/8" OD arms Roadway applications.



Wall Mount – Wall mount bracket designed for building mount applications.



Universal Mounting – Universal mounting block for ease of installation. Compatible with drill patterns from 2.5" to 4.5"



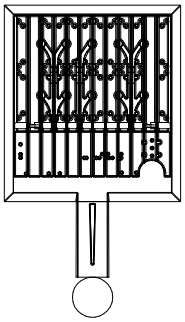
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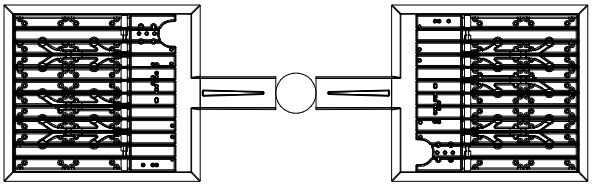
RATIO SERIES

AREA/SITE LIGHTER

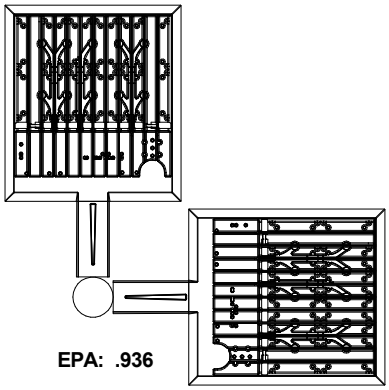
EPA



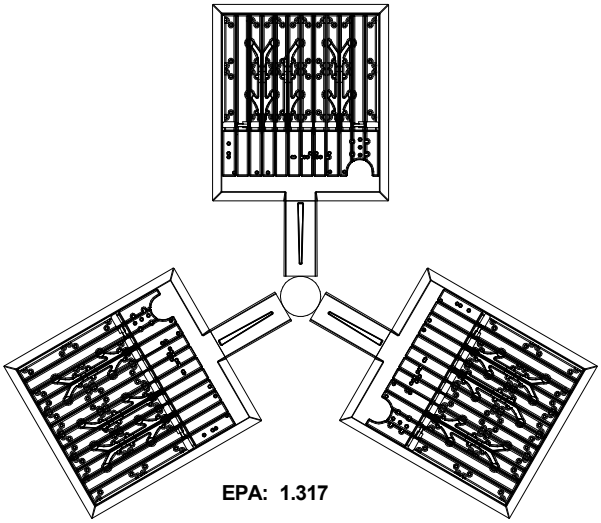
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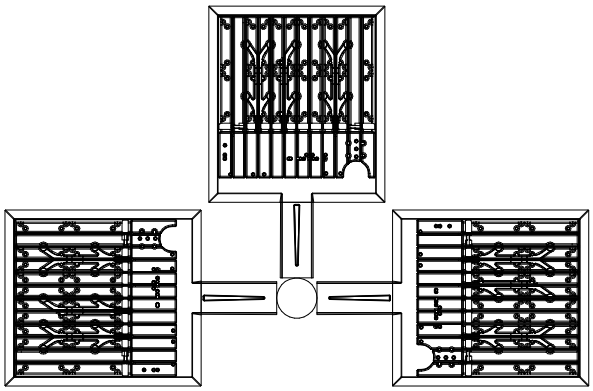
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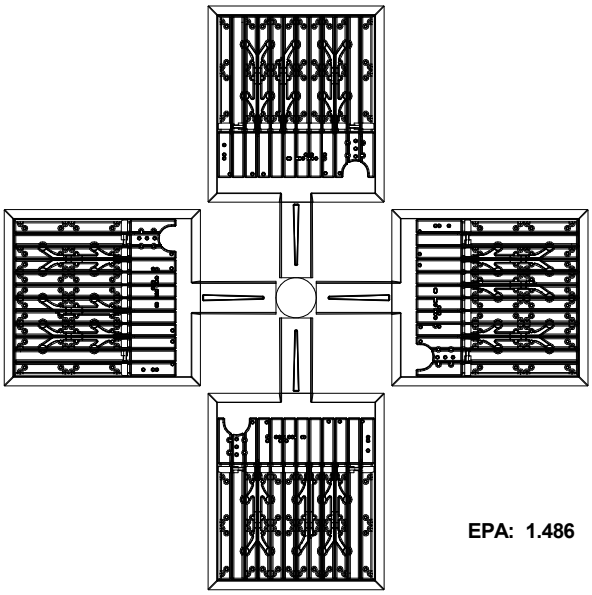
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EPA: 1.317



EPA: 1.486



EPA: 1.486

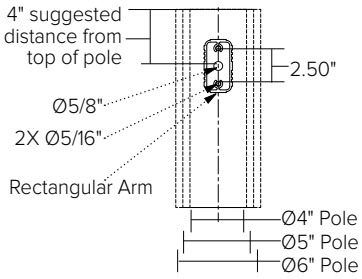
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RATIO SERIES

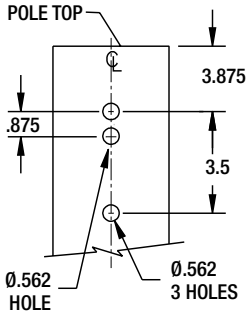
AREA/SITE LIGHTER

ADDITIONAL INFORMATION (CONT'D)

ARM MOUNT (ASQ)
Compatible with Pole drill pattern B3



UNIVERSAL MOUNTING (ASQU)
Compatible with pole drill pattern S2



SITESYNC 7-PIN MODULE



SW7PR

SiteSync LIGHTING CONTROL

- SiteSync features in a new form
- Available as an accessory for new construction or retrofit applications (with existing 7-Pin receptacle)

PROGRAMMED CONTROLS

ADD-AutoDim Timer Based Options

- Light delay options from 1-9 hours after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1-9 hours after the light has been dimmed previously.

EX: ADD-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	1-9 Hours	6
Auto-Dim Brightness	0-9% Brightness	5
Auto-Dim Return	Delay 0-9 Hours	R6

ADT-AutoDim Time of Day Based Option

- Light delay options from 1AM-9PM after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1AM-9PM after the light has been dimmed previously.

EX: ADT-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	12-3 AM and 6-11 PM	6
Auto-Dim Brightness	0-9% Brightness	5
Auto-Dim Return	12-6 AM and 9-11P	R6

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DATE: LOCATION:

TYPE: PROJECT:

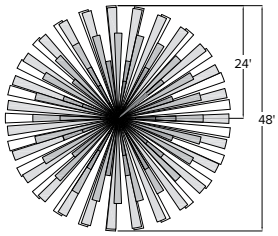
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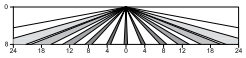
RATIO SERIES

AREA/SITE LIGHTER

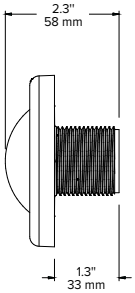
ADDITIONAL INFORMATION (CONT'D)

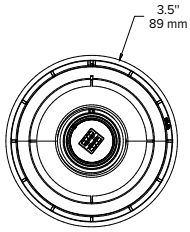
NXSP-14F



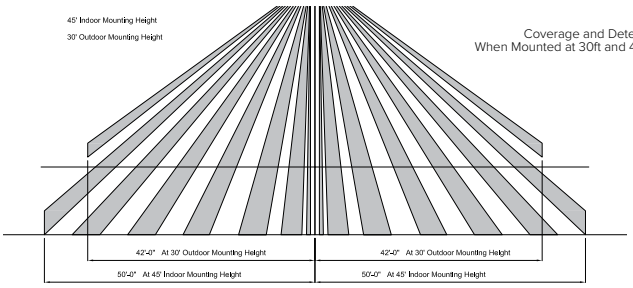


Sensor Lens Coverage and Detection Patterns
When Mounted at 8ft with Low Mount Lens

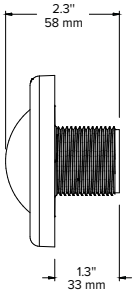


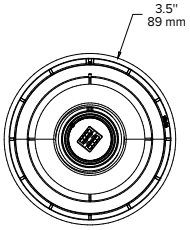


NXSP-30F

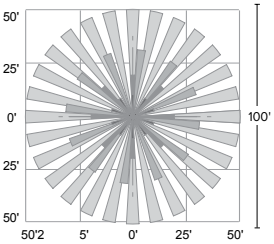


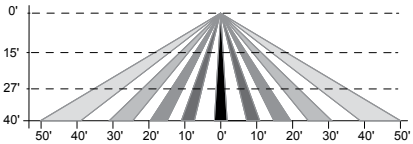
Coverage and Detection Patterns
When Mounted at 30ft and 45ft with Standard Lens

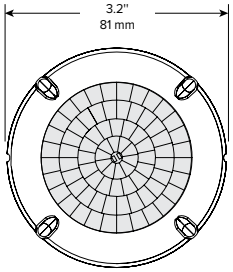


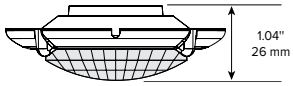


SCP-40F









RAR1 EPA

RAR-1	
EPA at 0˚	EPA at 30˚
.45ft.^{2} .13m^2	.56ft.^{2} .17m^2

RAR2 EPA

RAR-2	
EPA at 0˚	EPA at 30˚
.55ft.^{2} .17m^2	1.48ft.^{2} .45m^2

SHIPPING

Catalog Number	G.W(kg)/ CTN	Carton Dimensions		
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)
RAR1	15 (6.8)	20.75 (52.7)	15.125 (38.4)	6.9375 (17.6)
RAR2	19 (8.6)	25 (63.5)	15.125 (38.4)	6.9375 (17.6)

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DATE: LOCATION:

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CATALOG #:

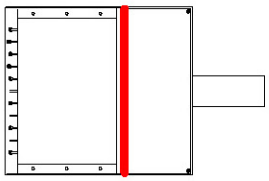
RATIO SERIES

AREA/SITE LIGHTER

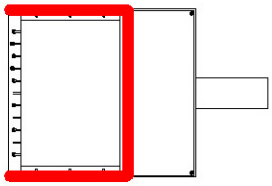
ADDITIONAL INFORMATION (CONT'D)

RATIO HOUSE SIDE SHIELD

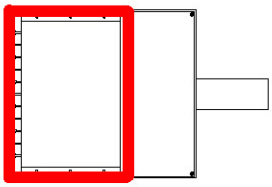
RARx HSS-90-B-xx



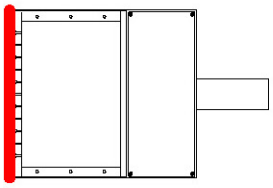
RARx HSS-270-BSS-xx



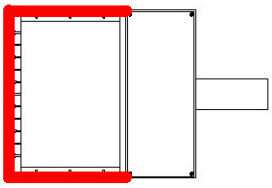
RARx HSS-360-xx



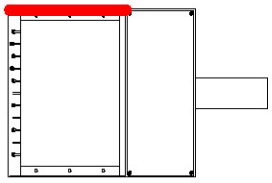
RARx HSS-90-F-xx



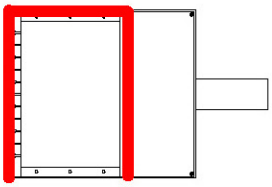
RARx HSS-270-FSS-xx



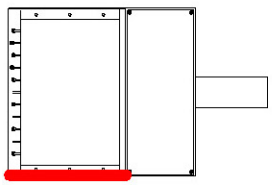
RARx HSS-90-S-xx



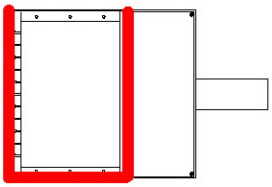
RARx HSS-270-FSB-xx



RARx HSS-90-S-xx



RARx HSS-270-FSB-xx



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HUBBELL Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO Series

AREA/SITE LIGHTER

FEATURES

- Low profile LED area/site luminaire with a variety of IES distributions for lighting applications such as retail, commercial and campus parking lots
- Featuring Micro Strike Optics which maximizes target zone illumination with minimal losses at the house-side, reducing light trespass issues
- Visual comfort standard
- Compact and lightweight design with low EPA
- 3G rated for high vibration applications including bridges and overpasses
- Control options including photo control, occupancy sensing, NX Distributed Intelligence™ and 7-Pin with networked controls
- Best in class surge protection available

c UL us IP66 DLC LISTED DLC PREMIUM BUY AMERICAN SOLUTIONS

See Certification Specifications



RELATED PRODUCTS

Airo | Cimarron LED | Ratio Family

CONTROL TECHNOLOGY

SiteSync LIGHTING CONTROL | NX DISTRIBUTED INTELLIGENCE™ | wiSCAPE™

SPECIFICATIONS

CONSTRUCTION

- Rectilinear form mimics the traditional shoebox form factor keeping a similar but updated style and appearance, ideal for retrofit applications
- Die-cast housing with hidden vertical heat fins that are optimal for heat dissipation while keeping a clean smooth outer surface
- Corrosion resistant, die-cast aluminum housing with powder coat paint finish

OPTICS

- Entire optical aperture illuminates to create a larger luminous surface area resulting in a low glare appearance without sacrificing optical performance
- 80, 160, 320 or 480 midpower LEDs
- 3000K, 4000K or 5000K (70 CRI) CCT
- Zero uplight at 0 degrees of tilt
- Field rotatable optics

INSTALLATION

- Standard square arm mount, compatible with B3 drill pattern
- Optional universal mounting block for ease of installation during retrofit applications. Available as an option or accessory for square and round poles.
- Knuckle arm fitter option available for 2-3/8" OD tenon. Max tilt of 60 degrees with 4 degree adjustable increments. (Restrictions apply for 7-pin options)

ELECTRICAL

- Universal 120-277 VAC or 347-480 VAC input voltage, 50/60 Hz

ELECTRICAL (CONTINUED)

- Ambient operating temperature -40˚C to 40˚C
- Drivers have greater than 90% power factor and less than 20% THD
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Field replaceable surge protection device provides 20kA protection meeting ANSI/IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device is compromised

CONTROLS

- Photo control, occupancy sensor and wireless available for complete on/off and dimming control
- 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules (control accessories sold separately)
- 0- 10 V Dimming Drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than the 6" standard
- SiteSync™ wireless control system is available via 7-pin See ordering information and details at: www.hubbelllighting.com/sitesync
- NX Distributed Intelligence™ available with in fixture wireless control module, features dimming and occupancy sensor
- wiSCAPE® available with in fixture wireless control module, features dimming and occupancy sensor via 7-pin

CERTIFICATIONS

- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Please refer to the DLC website for specific product qualifications at www.designlights.org
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40˚C ambient temperatures
- 3G rated for ANSI C136.31 high vibration applications
- Fixture is IP66 rated
- Meets IDA recommendations using 3K CCT configuration at 0 degrees of tilt
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 04/23/2020. See Buy American Solutions

WARRANTY

- 5 year limited warranty
- See HLI Standard Warranty for additional information

KEY DATA	
Lumen Range	3,000–48,000
Wattage Range	25–340
Efficacy Range (LPW)	118–155
Fixture Projected Life (Hours)	L70>60K
Weights lbs. (kg)	13.5–24 (6.1–10.9)

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RATIO SERIES

AREA/SITE LIGHTER

ORDERING GUIDE

Example: RAR1-80L-25-3K7-2-UNV-ASQ-BL-NXWE-BC

CATALOG #

ORDERING INFORMATION

Series		# LEDs - Wattage		CCT/CRI		Distribution		Optics Rotation		Voltage	
RAR1	Ratio Area Size 1	80L-25	25W - 3,000 Lumens	3K7	3000K, 70 CRI	2	IES TYPE II	Blank for no rotation		UNV	Universal 120-277V
		80L-39	39W -5,200 Lumens	4K7	4000K, 70 CRI	3	IES TYPE III	L	Optic rotation left	120	120V
		80L-50	50W - 6,000 Lumens	5K7	5000K, 70 CRI	4W	IES TYPE IV	R	Optic rotation right	208	208V
		160L-70	70W - 9,000 Lumens			5QW	IES TYPE V			240	240V
		160L-100	100W - 12,000 Lumens							277	277V
		160L-115	115W - 15,000 Lumens							347	347V
		160L-135	135W - 18,000 Lumens							480	480V
RAR2	Ratio Area Size 2	320L-110	110W - 15,000 Lumens								
		320L-140	140W - 18,000 Lumens								
		320L-165	165W - 21,000 Lumens								
		480L-185	185W - 24,000 Lumens								
		480L-210	210W - 27,000 Lumens								
		480L-240	240W - 30,000 Lumens								
		480L-255	255W - 36,000 Lumens								
		480L-295	295W - 42,000 Lumens								
		480L-340	340W - 48,000 Lumens								

Mounting		Color		Control Options Network		Options	
ASQ	Arm mount for square pole/flat surface	BLT	Black Matte Textured	NXWE	NX Wireless Enabled (module + radio)	BC	Backlight control
ASQU	Universal arm mount for square pole/flat surface	BLS	Black Gloss Smooth	NXSPW_F	NX Wireless, PIR Occ. Sensor, Daylight Harvesting [4]	F	Fusing (must specify voltage)
Mounting Round Poles		DBT	Dark Bronze Matte Textured	NXSP_F	NX, PIR Occ. Sensor, Daylight Harvesting [4]	TB	Terminal block
A_	Arm mount for round pole[1]	DBS	Dark Brone Gloss Smooth	**Control Options Other**		2PF	2 power feed with 2 drivers[2]
A_U	Universal arm mount for round pole[1]	GTT	Graphite Matte Textured	SCP-40F	Programmable occupancy sensor [3]		
Mounting Other		LGS	Light Grey Gloss Smooth	7PR	7-Pin twist lock receptacle		
WB	Wall bracket	PSS	Platinum Silver Smooth	7PR-SC	7-Pin receptacle with shorting cap		
MAF	Mast arm fitter for 2-3/8" OD horizontal arm	WHT	White Matte Textured	7PR-MD40F	Low voltage sensor for 7PR		
K	Knuckle	WHS	White Gloss Smooth	7PR-TL	7-Pin PCR with photocontrol		
		VGT	Verde Green Textured	**Sensors**			
		Color Option		BTS_F	Bluetooth Programmable, PIR Occupancy/Daylight Sensor, 360° lens [4]		
		CC	Custom Color	BTSO_F	Bluetooth Programmable, PIR Occupancy/Daylight Sensor, 360° lens, up to 12' mounting height [5]		

Notes:

1. Replace "_" with "3" for 3.5"-4.13" OD pole, "4" for 4.18"-5.25" OD pole, "5" for 5.5"-6.5" OD pole
2. Not available with 25, 50, 255, 295 & 340W configurations
3. At least one SCPREMOTE required to program SCP motion sensor
4. Replace "_" with "14" for up to 14' mounting height, "40F" for 15-40' mounting height
5. Replace "_" with "12" for up to 12' mounting height

STOCK ORDERING INFORMATION

Catalog Number	Lumens	Wattage	LED Count	CCT/CRI	Voltage	Distribution	Mounting	Finish
RAR1-100-4K-3	12,000	100W	160L	4000K/70CRI	120-277V	Type 3	Square Arm	Bronze
RAR1-100-4K-4W	12,000	100W	160L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze
RAR1-135-4K-3	18,000	135W	160L	4000K/70CRI	120-277V	Type 3	Square Arm	Bronze
RAR1-135-4K-4W	18,000	135W	160L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze
RAR2-165-4K-3	21,000	165W	320L	4000K/70CRI	120-277V	Type 3	Square Arm	Bronze
RAR2-165-4K-4W	21,000	165W	320L	4000K/70CRI	120-277V	Type 4W	Square Arm	Bronze

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CATALOG #:

RATIO SERIES

AREA/SITE LIGHTER

OPTIONS AND ACCESSORIES - STOCK (ORDERED SEPARATELY)

	Catalog Number	Description
☐	**RARRPA3DB**	Round pole adapter 3.5" to 4.13" for ASQ arm, 3.5" to 4.13" OD pole, dark bronze finish
☐	**RARA3UDB**	Universal mount for square pole or round pole 3.5" to 4.13", dark bronze finish
☐	**RARBC80L**	Ratio blacklight control 80L
☐	**RARBC160L**	Ratio blacklight control 160L
☐	**RARBC320L**	Ratio blacklight control 320L
☐	**RARBC480L**	Ratio blacklight control 480L

ACCESSORIES AND REPLACEMENT PARTS - MADE TO ORDER

	Catalog Number	Description
☐	**RAR–ASQU–XX**	Universal arm mount for square pole/flat surface[2]
☐	**RAR–A_U-XX**	Universal arm mount for round poles[1,2]
☐	**RAR–RPA_–XX**	Round pole adapter[1, 2]
☐	**SETAVP-XX**	4" square pole top tenon adapter, 2 3/8" OD slipfitter[2]
☐	**RETAVP-XX**	4" round pole top tenon adapter; 2 3/8" OD slipfitter for max. Four fixtures (90o); order 4" round pole adapters separately[2]
☐	**BIRD–SPIKE–3**	Ratio size 1 bird deterrent/spikes
☐	**BIRD–SPIKE–4**	Ratio size 2 bird deterrent/spikes
☐	**RARWB–XX**	Wall bracket - use with Mast Arm Fitter or Knuckle[2]

1 Replace "_" with "3" for 3.5"-4.13" OD pole, "4" for 4.18"-5.25" OD pole, "5" for 5.5"-6.5" OD pole

2 Replace "XX" with desired color/paint finish

CONTROLS

Control Options	
Standalone	
SW7PR	SiteSync™ on fixture module via 7PR
SWUSB	SiteSync™ Software on USB
SWTAB	SiteSync™ Windows Tablet
SWBRG	SiteSync™ Wireless Bridge Node
SWFC	SiteSync™ Field Commission Serve
SCPREMOTE	Order at least one per project location to program and control
Networked – Wireless	
WIR-RME-L	wiSCAPE External Fixture Module[1,2]
NX Networked – Wireless	
NXOFM-1R1D-UNV	NX Wireless, Daylight Harvesting, BLE, 7 pin twisted lock

Notes:

1 Works with external networked photosensor

2 wiSCAPE Gateway required for system programming

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RATIO SERIES

AREA/SITE LIGHTER

PERFORMANCE DATA

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
RAR1	25	25.4	2	3438	135	1	0	1	3445	136	1	0	1	3240	128	1	0	1
			3	3460	136	1	0	1	3467	136	1	0	1	3260	128	1	0	1
			4W	3406	134	1	0	1	3412	134	1	0	1	3209	126	1	0	1
			5QW	3483	137	2	0	1	3490	137	2	0	1	3282	129	2	0	1
	39	39	2	5263	139	1	0	2	5273	139	1	0	2	4960	131	1	0	2
			3	5297	139	1	0	2	5308	140	1	0	2	4991	131	1	0	2
			4W	5200	137	1	0	2	5210	137	1	0	2	4900	129	1	0	2
			5QW	5333	140	3	0	1	5344	141	3	0	1	5025	132	3	0	1
	50	49.8	2	6310	127	1	0	2	6323	127	1	0	2	5946	120	1	0	2
			3	6349	128	1	0	2	6362	128	1	0	2	5983	120	1	0	2
			4W	6233	125	1	0	2	6245	126	1	0	2	5873	118	1	0	2
			5QW	6392	129	3	0	1	6405	129	3	0	1	6023	121	3	0	1
	70	68.4	2	9486	139	1	0	2	9505	139	1	0	2	8938	131	1	0	2
			3	9544	140	1	0	2	9563	140	1	0	2	8993	131	1	0	2
			4W	9395	137	1	0	2	9414	138	1	0	2	8853	129	1	0	2
			5QW	9608	140	4	0	2	9628	141	4	0	2	9054	132	4	0	2
	100	90.0	2	11976	133	2	0	2	12000	133	2	0	2	11285	125	2	0	2
			3	12050	134	2	0	2	12074	134	2	0	2	11354	126	2	0	2
			4W	11861	132	2	0	2	11885	132	2	0	2	11177	124	2	0	2
			5QW	12131	135	4	0	2	12155	135	4	0	2	11431	127	4	0	2
	115	109.7	2	15572	142	2	0	2	15494	141	2	0	2	14871	136	2	0	2
			3	15833	144	2	0	2	15754	144	2	0	2	15121	138	2	0	2
			4W	15281	139	2	0	3	15205	139	2	0	3	14623	133	2	0	3
			5QW	15732	143	4	0	2	15653	143	4	0	2	15024	137	4	0	2
	135	133.3	2	17971	135	3	0	3	17881	134	3	0	3	17163	129	3	0	3
			3	18272	137	2	0	2	18181	136	2	0	2	17450	131	2	0	2
			4W	17635	132	2	0	3	17547	132	2	0	3	16876	127	2	0	3
			5QW	18156	136	4	0	2	18065	136	4	0	2	17339	130	4	0	2

RAR2 Performance Data on next page

* Lumen values are from photometric test performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

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HUBBELL Lighting

HUBBELL Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO SERIES

AREA/SITE LIGHTER

PERFORMANCE DATA

Description	Nominal Wattage	System Watts	Dist. Type	5K (5000K NOMINAL 70 CRI)					4K (4000K NOMINAL 70 CRI)					3K (3000K NOMINAL 80 CRI)				
				Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
RAR2	110	100.3	2	15326	153	2	0	3	15357	153	2	0	3	14442	144	2	0	3
			3	15421	154	2	0	3	15452	154	2	0	3	14531	145	2	0	3
			4W	15180	151	2	0	2	15210	152	2	0	2	14304	143	2	0	2
			5QW	15525	155	4	0	2	15556	155	4	0	2	14629	146	4	0	2
	140	133.2	2	19395	146	2	0	3	19434	146	2	0	3	18276	137	2	0	3
			3	19515	147	2	0	3	19554	147	2	0	3	18389	138	2	0	3
			4W	19210	144	2	0	3	19248	145	2	0	3	18101	136	2	0	3
			5QW	19647	148	5	0	3	19686	148	5	0	3	18513	139	5	0	3
	165	153.6	2	21651	141	3	0	3	21695	141	3	0	3	20402	133	3	0	3
			3	21785	142	3	0	3	21828	142	3	0	3	20527	134	3	0	3
			4W	21444	140	3	0	3	21487	140	3	0	3	20206	132	3	0	3
			5QW	21932	143	5	0	3	21976	143	5	0	3	20666	135	5	0	3
	185	174.5	2	26046	149	3	0	3	26098	150	3	0	3	24543	141	3	0	3
			3	26207	150	3	0	3	26259	150	3	0	3	24694	142	3	0	3
			4W	25797	148	3	0	4	25849	148	3	0	4	24308	139	3	0	4
			5QW	26384	151	5	0	3	26437	152	5	0	3	24861	143	5	0	3
	210	198.2	2	28848	145	3	0	4	28906	146	3	0	4	27184	137	3	0	4
			3	29027	146	3	0	4	29085	147	3	0	4	27351	138	3	0	4
			4W	28572	144	3	0	4	28630	144	3	0	4	26924	136	3	0	4
			5QW	29222	147	5	0	4	29281	148	5	0	4	27536	139	5	0	4
	240	226.9	2	32087	141	3	0	4	32151	142	3	0	4	30235	133	3	0	4
			3	32285	142	3	0	4	32350	143	3	0	4	30422	134	3	0	4
			4W	31780	140	3	0	4	31844	140	3	0	4	29946	132	3	0	4
			5QW	32503	143	5	0	4	32568	144	5	0	4	30627	135	5	0	4
	255	257.0	2	37040	144	3	0	4	36854	143	3	0	4	35373	138	3	0	4
			3	37660	147	3	0	4	37472	146	3	0	4	35966	140	3	0	4
			4W	36347	141	3	0	5	36166	140	3	0	5	34782	135	3	0	5
			5QW	37420	146	5	0	4	37233	145	5	0	4	35736	139	5	0	4
	295	294.0	2	41733	142	3	0	4	41524	141	3	0	4	39855	136	3	0	4
			3	42432	144	3	0	4	42220	144	3	0	4	40523	138	3	0	4
			4W	40953	139	3	0	5	40748	139	3	0	5	39190	133	3	0	5
			5QW	42162	143	5	0	4	41951	143	5	0	4	40264	137	5	0	4
	340	347.1	2	48392	139	4	0	5	48150	139	4	0	5	46215	133	4	0	5
			3	49203	142	3	0	4	48957	141	3	0	4	46989	135	3	0	4
			4W	47488	137	4	0	5	47261	136	4	0	5	45443	131	4	0	5
			5QW	48889	141	5	0	5	48645	140	5	0	5	46689	135	5	0	5

* Lumen values are from photometric test performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

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HUBBELL Lighting

HUBBELL Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO SERIES

AREA/SITE LIGHTER

ELECTRICAL DATA

# OF LEDS	Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
RAR1	25	120	0.21	25.4
		208	0.12	
		240	0.11	
		277	0.09	
	39	120	0.32	38.0
		208	0.18	
		240	0.16	
		277	0.14	
		347	0.11	
		480	0.08	
	50	120	0.42	49.8
		208	0.24	
		240	0.21	
		277	0.18	
	70	120	0.57	68.4
		208	0.33	
		240	0.29	
		277	0.25	
	100	120	0.75	90.0
		208	0.43	
		240	0.38	
		277	0.32	
	115	120	0.91	109.7
		208	0.53	
		240	0.46	
		277	0.40	
		347	0.32	
		480	0.23	
	135	120	1.11	133.3
		208	0.64	
		240	0.56	
		277	0.48	
		347	0.38	
		480	0.28	

# OF LEDS	Nominal Wattage	Input Voltage	Oper. Current (Amps)	System Power (Watts)
RAR2	110	120	0.84	100.3
		208	0.48	
		240	0.42	
		277	0.36	
	140	120	1.11	133.2
		208	0.64	
		240	0.56	
		277	0.48	
	165	120	1.28	153.6
		208	0.74	
		240	0.64	
		277	0.55	
	185	120	1.45	174.5
		208	0.84	
		240	0.73	
		277	0.63	
	210	120	1.65	198.3
		208	0.95	
		240	0.83	
		277	0.72	
	240	120	1.89	226.9
		208	1.09	
		240	0.95	
		277	0.82	
	255	120	2.14	257.0
		208	1.24	
		240	1.07	
		277	0.93	
		347	0.74	
		480	0.54	
	295	120	2.45	294.0
		208	1.41	
		240	1.23	
		277	1.06	
		347	0.85	
		480	0.61	
	340	120	2.89	347.1
		208	1.67	
		240	1.45	
		277	1.25	
		347	1.00	
		480	0.72	

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

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

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

PROJECTED LUMEN MAINTENANCE

Ambient Temperature	OPERATING HOURS					
	0	25,000	TM-21-11 L90 36,000	50,000	100,000	L70 (Hours)
25°C / 77°F	1.00	0.97	0.95	0.93	0.86	238,000
40°C / 104°F	0.99	0.96	0.95	0.93	0.85	225,000

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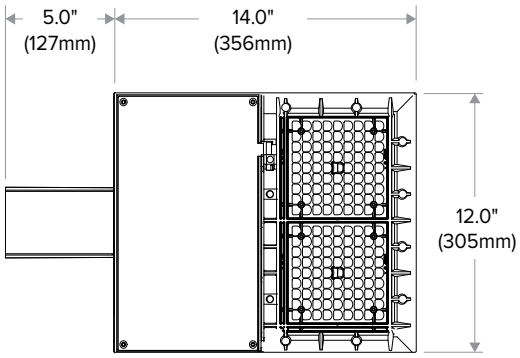
CATALOG #:

RATIO SERIES

AREA/SITE LIGHTER

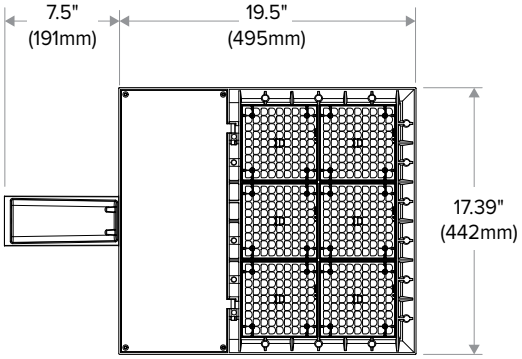
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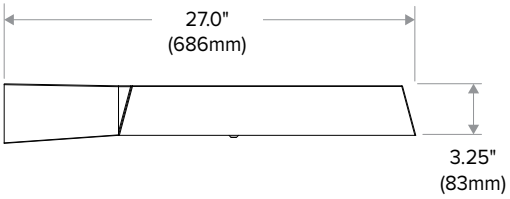
RAR1





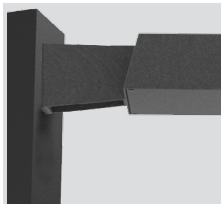
RAR2



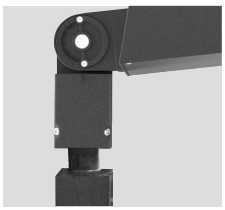


ADDITIONAL INFORMATION

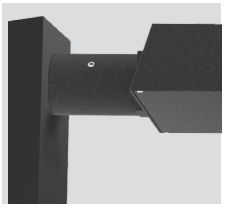
MOUNTING



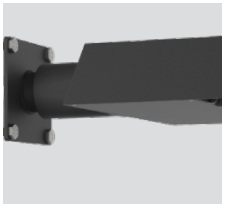
Arm Mount – Fixture ships with integral arm for ease of installation. Compatible with Hubbell Outdoor B3 drill pattern.



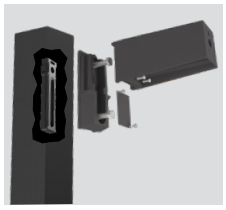
Knuckle – Knuckle mount 15° aiming angle increments for precise aiming and control, fits 2-3/8" tenons or pipes.



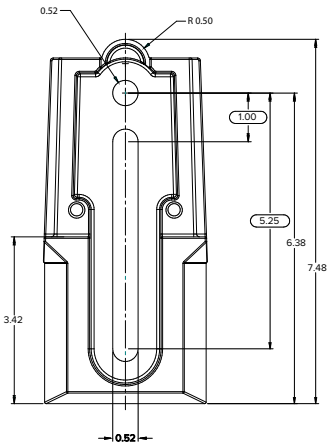
MAF – Fits 2-3/8" OD arms Roadway applications.



Wall Mount – Wall mount bracket designed for building mount applications.



Universal Mounting – Universal mounting block for ease of installation. Compatible with drill patterns from 2.5" to 4.5"



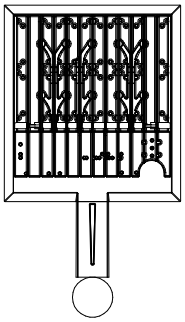
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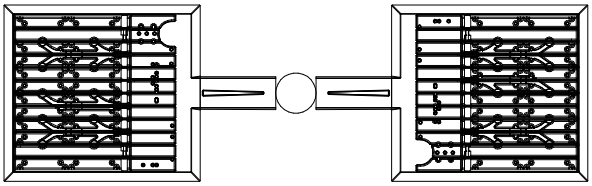
RATIO SERIES

AREA/SITE LIGHTER

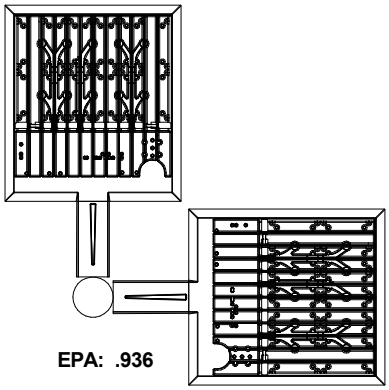
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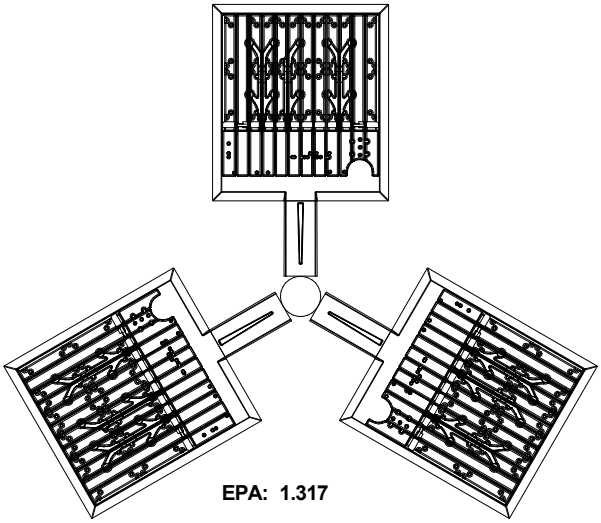
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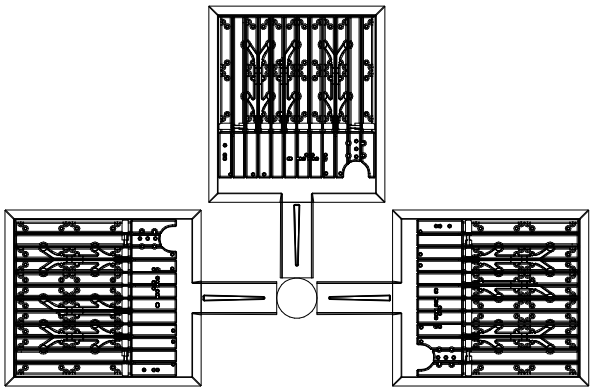
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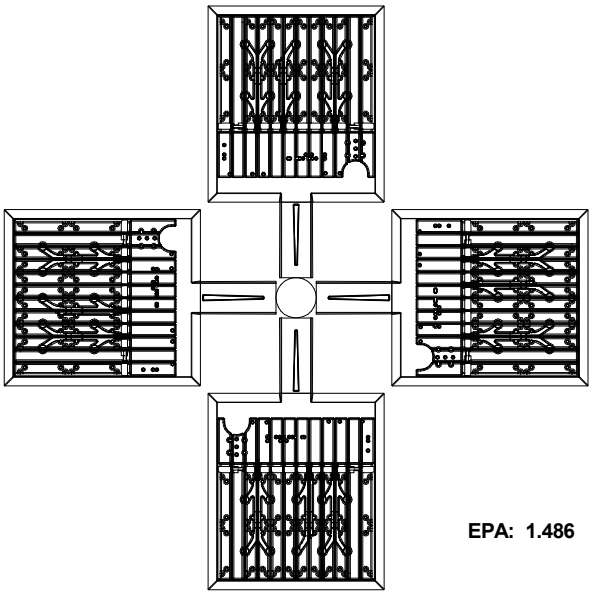
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EPA: 1.317



EPA: 1.486



EPA: 1.486

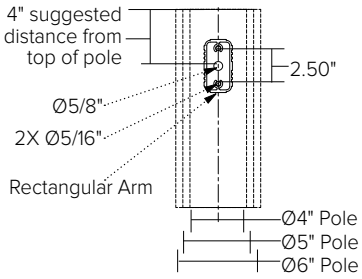
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RATIO SERIES

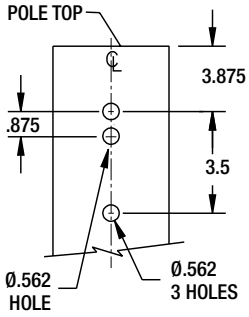
AREA/SITE LIGHTER

ADDITIONAL INFORMATION (CONT'D)

ARM MOUNT (ASQ)
Compatible with Pole drill pattern B3



UNIVERSAL MOUNTING (ASQU)
Compatible with pole drill pattern S2



SITESYNC 7-PIN MODULE



SW7PR

SiteSync LIGHTING CONTROL

- SiteSync features in a new form
- Available as an accessory for new construction or retrofit applications (with existing 7-Pin receptacle)

PROGRAMMED CONTROLS

ADD-AutoDim Timer Based Options

- Light delay options from 1-9 hours after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1-9 hours after the light has been dimmed previously.

EX: ADD-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	1-9 Hours	6
Auto-Dim Brightness	0-9% Brightness	5
Auto-Dim Return	Delay 0-9 Hours	R6

ADT-AutoDim Time of Day Based Option

- Light delay options from 1AM-9PM after the light is turned on to dim the light by 10-100%. To return the luminaire to its original light level there are dim return options from 1AM-9PM after the light has been dimmed previously.

EX: ADT-6-5-R6

ADD Control Options	Configurations Choices	Example Choice Picked
Auto-Dim Options	12-3 AM and 6-11 PM	6
Auto-Dim Brightness	0-9% Brightness	5
Auto-Dim Return	12-6 AM and 9-11P	R6

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DATE: LOCATION:

TYPE: PROJECT:

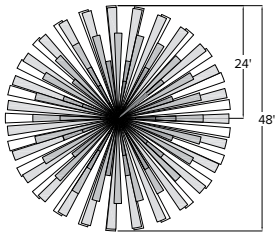
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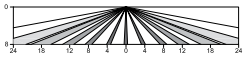
RATIO SERIES

AREA/SITE LIGHTER

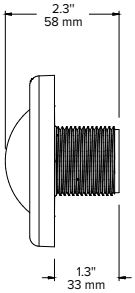
ADDITIONAL INFORMATION (CONT'D)

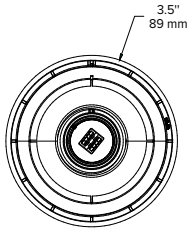
NXSP-14F



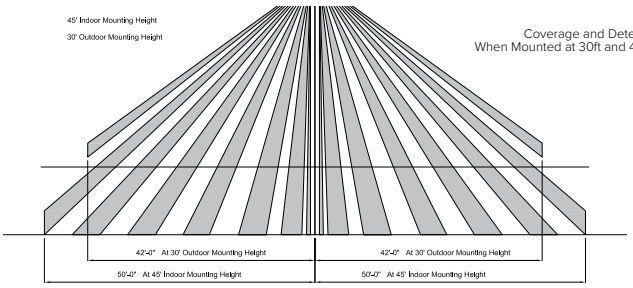


Sensor Lens Coverage and Detection Patterns
When Mounted at 8ft with Low Mount Lens

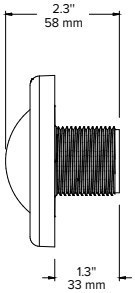


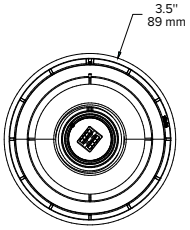


NXSP-30F

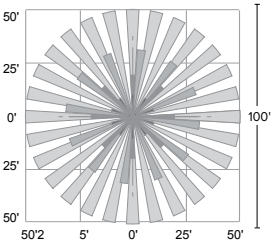


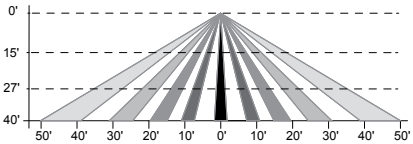
Coverage and Detection Patterns
When Mounted at 30ft and 45ft with Standard Lens

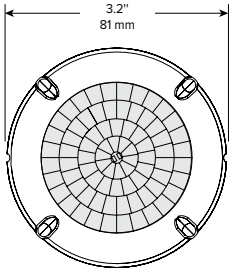


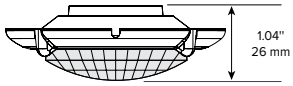


SCP-40F









RAR1 EPA

RAR-1	
EPA at 0˚	EPA at 30˚
.45ft.^{2} .13m^2	.56ft.^{2} .17m^2

RAR2 EPA

RAR-2	
EPA at 0˚	EPA at 30˚
.55ft.^{2} .17m^2	1.48ft.^{2} .45m^2

SHIPPING

Catalog Number	G.W(kg)/ CTN	Carton Dimensions		
		Length Inch (cm)	Width Inch (cm)	Height Inch (cm)
RAR1	15 (6.8)	20.75 (52.7)	15.125 (38.4)	6.9375 (17.6)
RAR2	19 (8.6)	25 (63.5)	15.125 (38.4)	6.9375 (17.6)

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HUBBELL Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

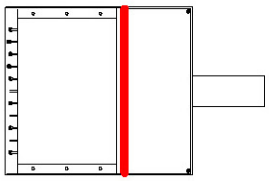
RATIO SERIES

AREA/SITE LIGHTER

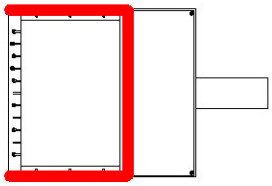
ADDITIONAL INFORMATION (CONT'D)

RATIO HOUSE SIDE SHIELD

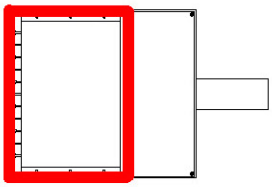
RARx HSS-90-B-xx



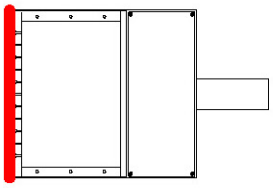
RARx HSS-270-BSS-xx



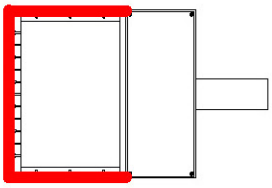
RARx HSS-360-xx



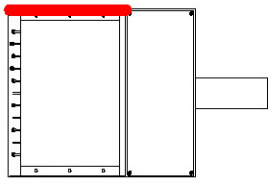
RARx HSS-90-F-xx



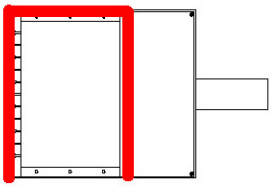
RARx HSS-270-FSS-xx



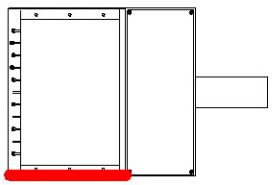
RARx HSS-90-S-xx



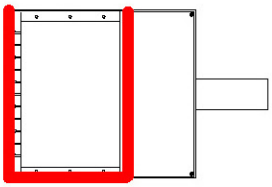
RARx HSS-270-FSB-xx



RARx HSS-90-S-xx



RARx HSS-270-FSB-xx



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Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO Wall

RWL1/RWL2 LED WALLPACK

FEATURES

- Low profile LED wall luminaire with a variety of IES distributions for lighting applications such as retail, commercial and industrial building mount
- Featuring Micro Strike Optics which maximizes target zone illumination with minimal losses at the house-side, reducing light trespass issues
- Visual comfort standard
- Control options including photo control, occupancy sensing, NX Distributed Intelligence™, Wiscape and 7-Pin with networked controls
- Battery Backup options available for emergency code compliance
- Quick-mount adapter allows easy installation/maintenance
- 347V and 480V versions for industrial applications and Canada
- Stock versions available in 3500lm and 5500lm configurations at 4000K

C US

BUY AMERICAN SOLUTIONS
See Certification Specifications

DLC QPL LISTED

DLC QPL LISTED PREMIUM



RELATED PRODUCTS

Ratio Family | Ratio Area | Ratio Flood

CONTROL TECHNOLOGY

SiteSync Lighting Control | NX DISTRIBUTED™ INTELLIGENCE | wiSCAPE™

SPECIFICATIONS

CONSTRUCTION

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

OPTICS

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

INSTALLATION

- Quick-mount adapter provides easy installation to wall or to recessed junction boxes (4" square junction box)
- Designed for direct j-box mount.
- Integral back box contains 1/2" conduit hubs
- Integral back box standard with Dual Driver, Dual Power Feed, NX, Wiscape and battery versions (battery versions for RWL1 only)

ELECTRICAL

- 120V-277V universal voltage 50/60Hz 0-10V dimming drivers
- 347V and 480V dimmable driver option for all wattages above 35W.

ELECTRICAL (CONTINUED)

- Ambient operating temperature -40˚C to 40˚C
- Drivers have greater than .90 power factor and less than 20% Total Harmonic Distortion
- Driver RoHS and IP66
- Field replaceable surge protection device provides 20kA protection meeting ANSI/IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device is compromised
- Dimming drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than 6" standard.

CONTROLS

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

CONTROLS (CONTINUED)

- Dual Driver and Dual Power Feed options creates product configuration with 2 internal drivers for code compliance
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application.

CERTIFICATIONS

- Listed to UL1598 and CSAC22.2#250.0-24 for wet locations
- IP65 rated housing
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 04/23/2020. See Buy American Solutions
- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Please refer to the DLC website for specific product qualifications at www.designlights.org

WARRANTY

- 5 year limited warranty
- See HLI Standard Warranty for additional information

KEY DATA	
Lumen Range	1,300–18,800
Wattage Range	10–155
Efficacy Range (LPW)	119–148
Fixture Projected Life (Hours)	L70>60K
Weights lbs. (kg)	6.5/16.5 (2.9/7.5)

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DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO WALL

RWL1/RWL2 LED WALLPACK

ORDERING GUIDE

Example: RWL1–48L-10–3K7–2–UNV–BLS–E

CATALOG #

ORDERING INFORMATION

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

Control Options Network	
NXWE	NX Wireless Enabled (module + radio)[4,7]
NXSPW_F	NX Wireless, PIR Occ. Sensor, Daylight Harvesting[4,5,7]
NXSP_F	NX, PIR Occ. Sensor, Daylight Harvesting[4,5,7]
WIR	Wireless Controls, wiSCAPE™ [2,6]
Stand Alone Sensors	
SCP-8F	Remote control programmable line voltage sensor[3,4]
SCP-20F	Remote control programmable line voltage sensor[3,4]
BTS-14F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor [10]
BTS-40F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor [10]
BTSO-12F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor, up to 12'mounting height [10]
Control Options	
7PR_	7-Pin Receptacle[6]

Options*	
F	Fusing[3]
E	Emergency Battery Backup[7,8,9]
EH	Emergency Battery w/ Heater Option[7,8]
2DR	Dual Driver[4,6,11]
2PF	Dual Power Feed[4,6,11]
PC	Button Photocontrol[8]

Notes:
1 Only available with RWL2
2 wiSCAPE Gateway required for system programming
3 Specific voltage selection is required
4 Not available with 347/480V
5 Replace "_" with "14" for up to 14' mounting height, "40" for up to 40' mounting height
6 This item is located in the integral backbox which will be automatically added onto the fixture if chosen.
7 This item is located in the integral backbox for RWL1 configurations only.
8 Option only available at 120 or 277V
9 2DR and 2PF can't be combined with E and EH due to space limitaions
10 Not available in RWL1 or 2 PF
11 Available only in UNV in 25, 35 and 45 Watt in RWL1; Not available in RWL1 10, 15 and 25 Watt.
* Based on space limitations, some options may not be able to be combined

STOCK ORDERING INFORMATION

Catalog Number	Lumens	Wattage	LED Count	CCT/CRI	Voltage	Distribution	Finish
RWL1-48L-25-4K-3	3500lm	25	48L	4000K/70CRI	120-277V	Type III	Dark Bronze Textured
RWL1-48L-25-4K-4W	3500lm	25	48L	4000K/70CRI	120-277V	Type IV Wide	Dark Bronze Textured
RWL1-48L-45-4K-3	5500lm	45	48L	4000K/70CRI	120-277V	Type III	Dark Bronze Textured
RWL1-48L-45-4K-4W	5500lm	45	48L	4000K/70CRI	120-277V	Type IV Wide	Dark Bronze Textured

CONTROLS

Control Options	
Standalone	
SCPREMOTE	Order at least one per project location to program and control

ACCESSORIES AND REPLACEMENT PARTS - MADE TO ORDER

Catalog Number	Description
WP-BB-XXX	Accessory for conduit entry[1]

Notes:
1 replace "xxx" with color option

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DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO WALL

RWL1/RWL2 LED WALLPACK

PERFORMANCE DATA

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

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DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO WALL

RWL1/RWL2 LED WALLPACK

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

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

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

PROJECTED LUMEN MAINTENANCE

Ambient Temperature	OPERATING HOURS					
	0	25,000	TM-21-11 L90 36,000	50,000	100,000	L70 (Hours)
25°C / 77°F	1.00	0.97	0.96	0.95	0.91	408,000
40°C / 104°F	0.99	0.96	0.95	0.94	0.89	356,000

ELECTRICAL DATA

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

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

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TYPE: PROJECT:

CATALOG #:

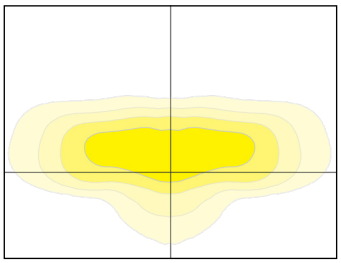
RATIO WALL

RWL1/RWL2 LED WALLPACK

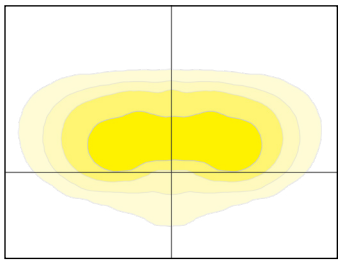
PHOTOMETRY

Mounting Height: 30ft

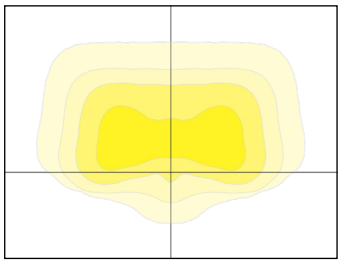
Type II



Type III

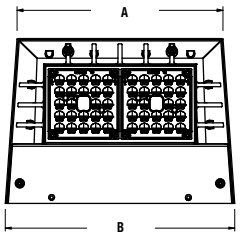


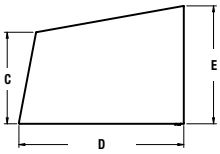
Type VI



DIMENSIONS

RWL1

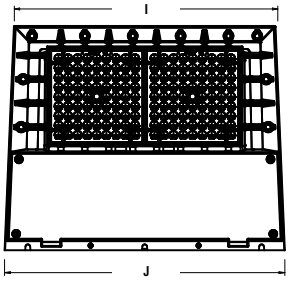


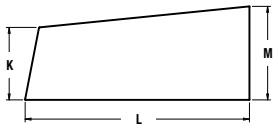


A	B	C	D	E
8.7"	9.7"	3.9"	7.0"	5.0"
221mm	246mm	99mm	178mm	127mm

Weight
6.5 lbs (2.95 kgs)

RWL2

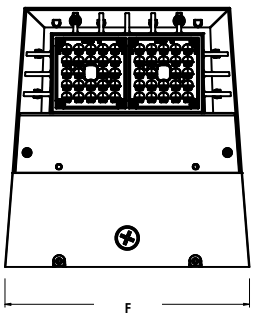


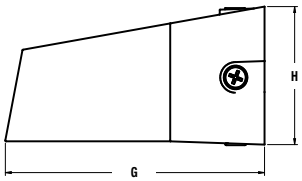


I	J	K	L	M
14.0"	15.0"	3.9"	12.0"	5.0"
356mm	381mm	99mm	305mm	127mm

Weight
16.5 lbs (7.48 kgs)

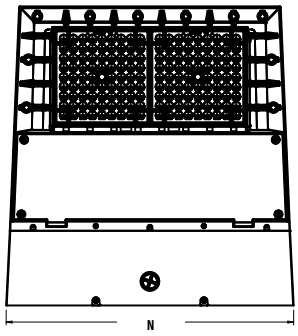
RWL1 with Integral Back Box

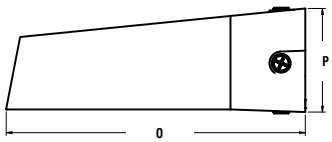




F	G	H
10.4"	11.0"	5.9"
264mm	279mm	150mm

RWL2 with Integral Back Box





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

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DATE: LOCATION:

TYPE: PROJECT:

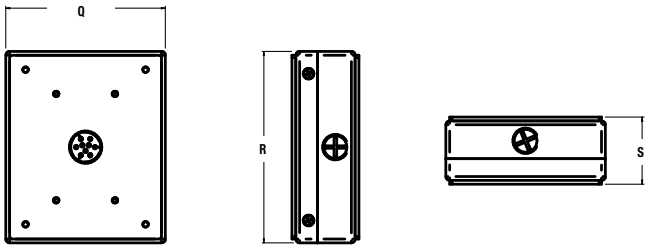
CATALOG #:

RATIO WALL

RWL1/RWL2 LED WALLPACK

DIMENSIONS (CONTINUED)

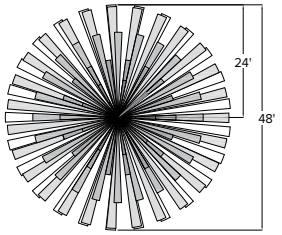
Back Box Accessory

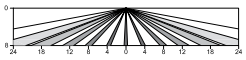


Q	R	S
4.9" 124mm	5.9" 150mm	2.1" 53mm

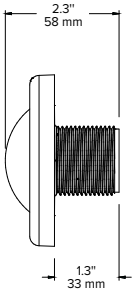
ADDITIONAL INFORMATION

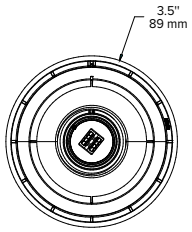
NXSP-14F



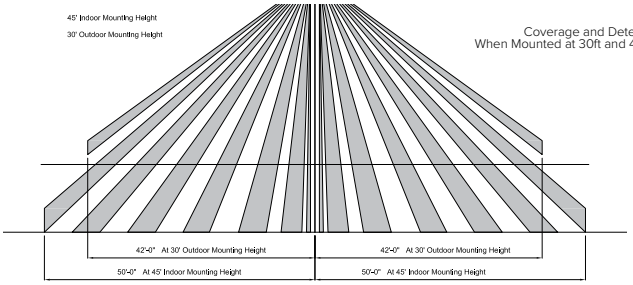


Sensor Lens Coverage and Detection Patterns
When Mounted at 8ft with Low Mount Lens

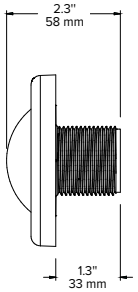


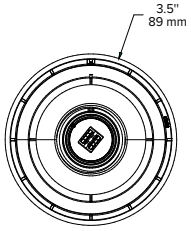


NXSP-40F

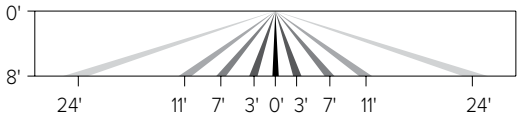


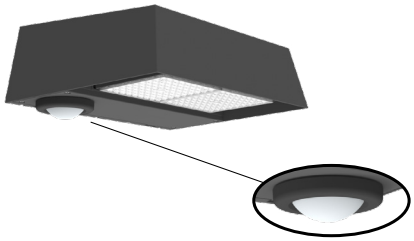
Coverage and Detection Patterns
When Mounted at 30ft and 45ft with Standard Lens

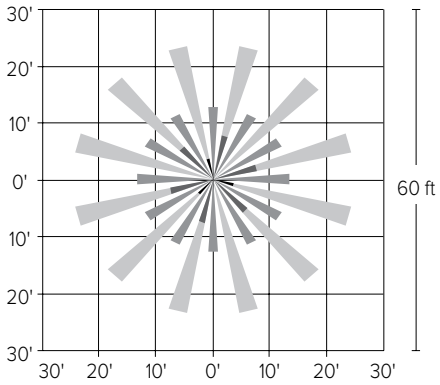


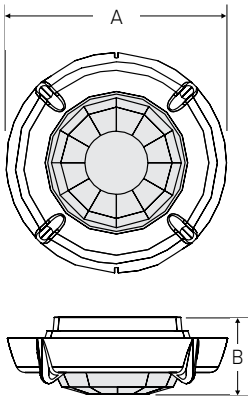


SCP-8F









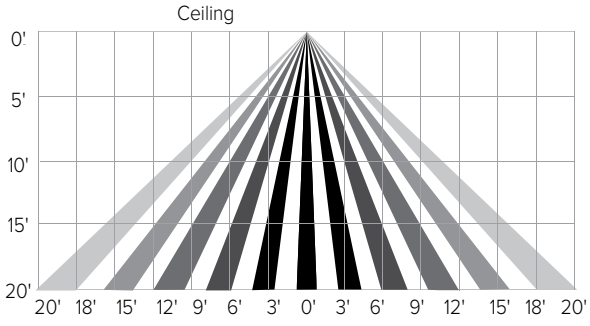
A	B
2.3" (59mm)	.8" (20mm)

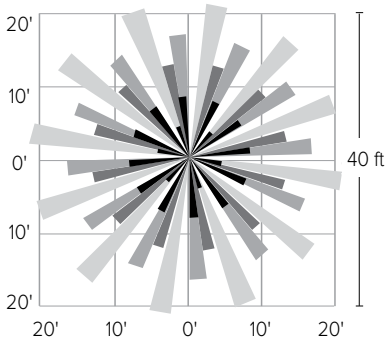
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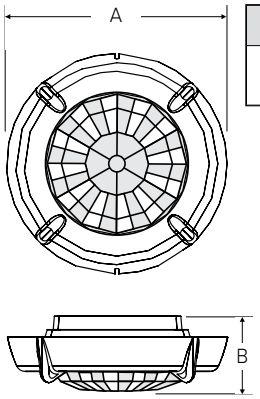
RATIO WALL

RWL1/RWL2 LED WALLPACK

SCP-20F

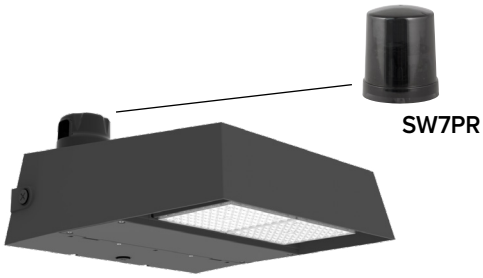






A	B
2.3" (59mm)	.8" (20mm)

SITESYNC 7-PIN MODULE



SW7PR

SiteSync™ LIGHTING CONTROL

- SiteSync features in a new form
- Available as an accessory for new construction or retrofit applications (with existing 7-Pin receptacle)

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Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO Wall

RWL1/RWL2 LED WALLPACK

FEATURES

- Low profile LED wall luminaire with a variety of IES distributions for lighting applications such as retail, commercial and industrial building mount
- Featuring Micro Strike Optics which maximizes target zone illumination with minimal losses at the house-side, reducing light trespass issues
- Visual comfort standard
- Control options including photo control, occupancy sensing, NX Distributed Intelligence™, Wiscape and 7-Pin with networked controls
- Battery Backup options available for emergency code compliance
- Quick-mount adapter allows easy installation/maintenance
- 347V and 480V versions for industrial applications and Canada
- Stock versions available in 3500lm and 5500lm configurations at 4000K

C US

BUY AMERICAN SOLUTIONS
See Certification Specifications

DLC QPL LISTED

DLC QPL LISTED PREMIUM



RELATED PRODUCTS

Ratio Family | Ratio Area | Ratio Flood

CONTROL TECHNOLOGY

SiteSync Lighting Control | NX DISTRIBUTED™ INTELLIGENCE | wiSCAPE™

SPECIFICATIONS

CONSTRUCTION

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

OPTICS

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

INSTALLATION

- Quick-mount adapter provides easy installation to wall or to recessed junction boxes (4" square junction box)
- Designed for direct j-box mount.
- Integral back box contains 1/2" conduit hubs
- Integral back box standard with Dual Driver, Dual Power Feed, NX, Wiscape and battery versions (battery versions for RWL1 only)

ELECTRICAL

- 120V-277V universal voltage 50/60Hz 0-10V dimming drivers
- 347V and 480V dimmable driver option for all wattages above 35W.

ELECTRICAL (CONTINUED)

- Ambient operating temperature -40˚C to 40˚C
- Drivers have greater than .90 power factor and less than 20% Total Harmonic Distortion
- Driver RoHS and IP66
- Field replaceable surge protection device provides 20kA protection meeting ANSI/IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device is compromised
- Dimming drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than 6" standard.

CONTROLS

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

CONTROLS (CONTINUED)

- Dual Driver and Dual Power Feed options creates product configuration with 2 internal drivers for code compliance
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application.

CERTIFICATIONS

- Listed to UL1598 and CSAC22.2#250.0-24 for wet locations
- IP65 rated housing
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction Materials under Trade Agreements effective 04/23/2020. See Buy American Solutions
- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Please refer to the DLC website for specific product qualifications at www.designlights.org

WARRANTY

- 5 year limited warranty
- See HLI Standard Warranty for additional information

KEY DATA	
Lumen Range	1,300–18,800
Wattage Range	10–155
Efficacy Range (LPW)	119–148
Fixture Projected Life (Hours)	L70>60K
Weights lbs. (kg)	6.5/16.5 (2.9/7.5)

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Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO WALL

RWL1/RWL2 LED WALLPACK

ORDERING GUIDE

Example: RWL1–48L-10–3K7–2–UNV–BLS–E

CATALOG #

ORDERING INFORMATION

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

Control Options Network	
NXWE	NX Wireless Enabled (module + radio)[4,7]
NXSPW_F	NX Wireless, PIR Occ. Sensor, Daylight Harvesting[4,5,7]
NXSP_F	NX, PIR Occ. Sensor, Daylight Harvesting[4,5,7]
WIR	Wireless Controls, wiSCAPE™ [2,6]
Stand Alone Sensors	
SCP-8F	Remote control programmable line voltage sensor[3,4]
SCP-20F	Remote control programmable line voltage sensor[3,4]
BTS-14F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor [10]
BTS-40F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor [10]
BTSO-12F	Bluetooth® Programmable, PIR Occupancy/Daylight Sensor, up to 12'mounting height [10]
Control Options	
7PR_	7-Pin Receptacle[6]

Options*	
F	Fusing[3]
E	Emergency Battery Backup[7,8,9]
EH	Emergency Battery w/ Heater Option[7,8]
2DR	Dual Driver[4,6,11]
2PF	Dual Power Feed[4,6,11]
PC	Button Photocontrol[8]

Notes:
1 Only available with RWL2
2 wiSCAPE Gateway required for system programming
3 Specific voltage selection is required
4 Not available with 347/480V
5 Replace "_" with "14" for up to 14' mounting height, "40" for up to 40' mounting height
6 This item is located in the integral backbox which will be automatically added onto the fixture if chosen.
7 This item is located in the integral backbox for RWL1 configurations only.
8 Option only available at 120 or 277V
9 2DR and 2PF can't be combined with E and EH due to space limitaions
10 Not available in RWL1 or 2 PF
11 Available only in UNV in 25, 35 and 45 Watt in RWL1; Not available in RWL1 10, 15 and 25 Watt.
* Based on space limitations, some options may not be able to be combined

STOCK ORDERING INFORMATION

Catalog Number	Lumens	Wattage	LED Count	CCT/CRI	Voltage	Distribution	Finish
RWL1-48L-25-4K-3	3500lm	25	48L	4000K/70CRI	120-277V	Type III	Dark Bronze Textured
RWL1-48L-25-4K-4W	3500lm	25	48L	4000K/70CRI	120-277V	Type IV Wide	Dark Bronze Textured
RWL1-48L-45-4K-3	5500lm	45	48L	4000K/70CRI	120-277V	Type III	Dark Bronze Textured
RWL1-48L-45-4K-4W	5500lm	45	48L	4000K/70CRI	120-277V	Type IV Wide	Dark Bronze Textured

CONTROLS

Control Options	
Standalone	
SCPREMOTE	Order at least one per project location to program and control

ACCESSORIES AND REPLACEMENT PARTS - MADE TO ORDER

Catalog Number	Description
WP-BB-XXX	Accessory for conduit entry[1]

Notes:
1 replace "xxx" with color option

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DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO WALL

RWL1/RWL2 LED WALLPACK

PERFORMANCE DATA

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

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HUBBELL®
Outdoor Lighting

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

RATIO WALL

RWL1/RWL2 LED WALLPACK

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

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

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

PROJECTED LUMEN MAINTENANCE

Ambient Temperature	OPERATING HOURS					
	0	25,000	TM-21-11 L90 36,000	50,000	100,000	L70 (Hours)
25°C / 77°F	1.00	0.97	0.96	0.95	0.91	408,000
40°C / 104°F	0.99	0.96	0.95	0.94	0.89	356,000

ELECTRICAL DATA

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

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

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DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

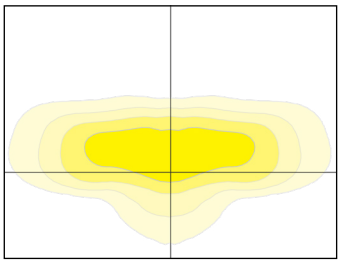
RATIO WALL

RWL1/RWL2 LED WALLPACK

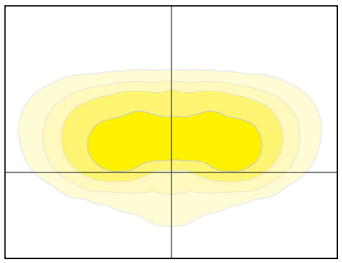
PHOTOMETRY

Mounting Height: 30ft

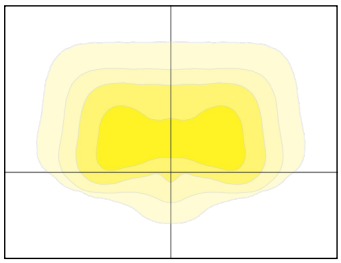
Type II



Type III

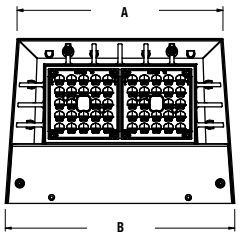


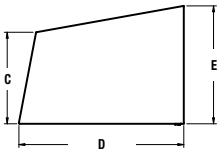
Type VI



DIMENSIONS

RWL1

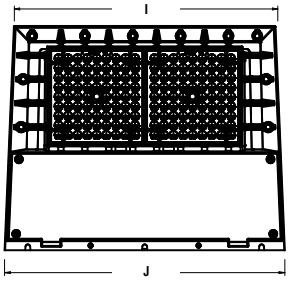


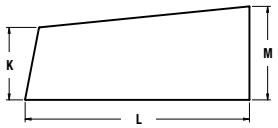


A	B	C	D	E
8.7"	9.7"	3.9"	7.0"	5.0"
221mm	246mm	99mm	178mm	127mm

Weight
6.5 lbs (2.95 kgs)

RWL2

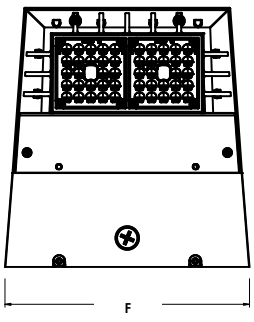


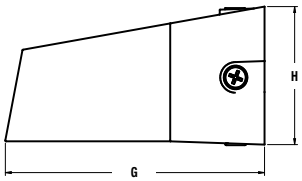


I	J	K	L	M
14.0"	15.0"	3.9"	12.0"	5.0"
356mm	381mm	99mm	305mm	127mm

Weight
16.5 lbs (7.48 kgs)

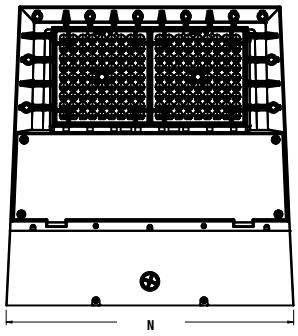
RWL1 with Integral Back Box

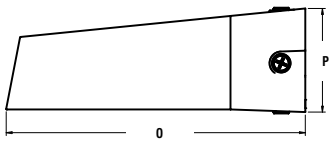




F	G	H
10.4"	11.0"	5.9"
264mm	279mm	150mm

RWL2 with Integral Back Box





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

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DATE: LOCATION:

TYPE: PROJECT:

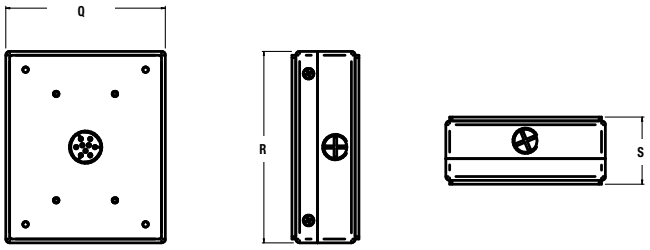
CATALOG #:

RATIO WALL

RWL1/RWL2 LED WALLPACK

DIMENSIONS (CONTINUED)

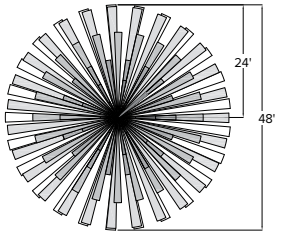
Back Box Accessory

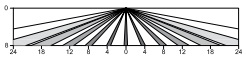


Q	R	S
4.9" 124mm	5.9" 150mm	2.1" 53mm

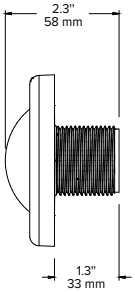
ADDITIONAL INFORMATION

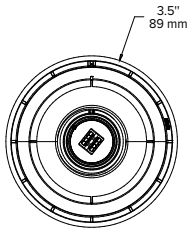
NXSP-14F



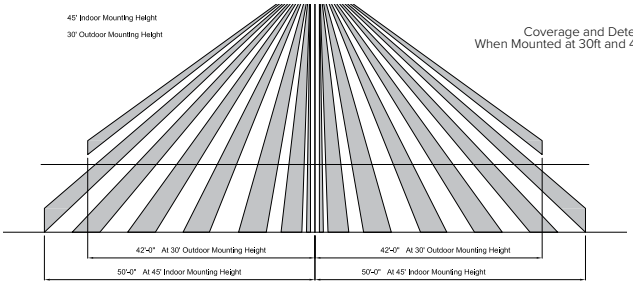


Sensor Lens Coverage and Detection Patterns
When Mounted at 8ft with Low Mount Lens

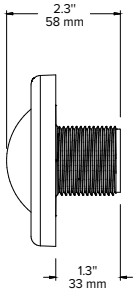


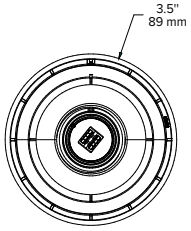


NXSP-40F

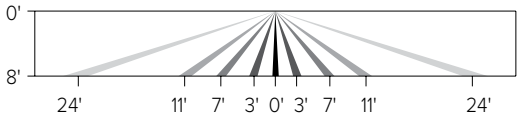


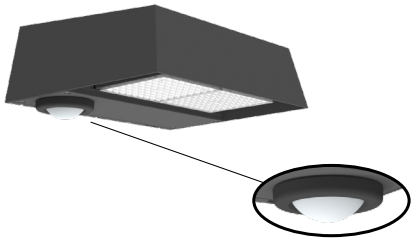
Coverage and Detection Patterns
When Mounted at 30ft and 45ft with Standard Lens

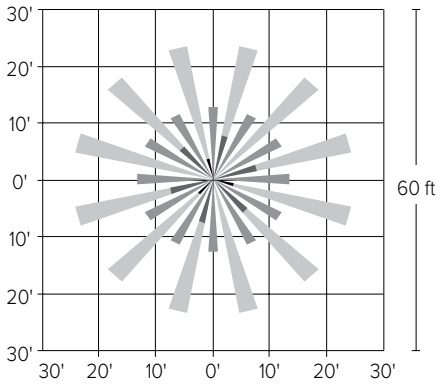


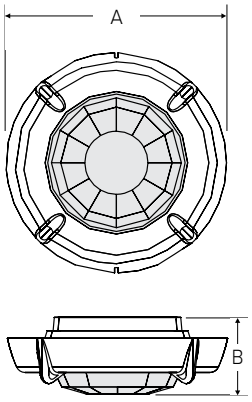


SCP-8F









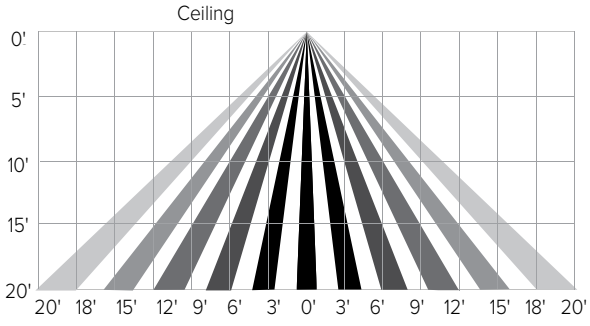
A	B
2.3" (59mm)	.8" (20mm)

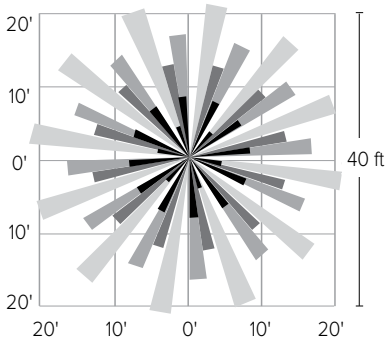
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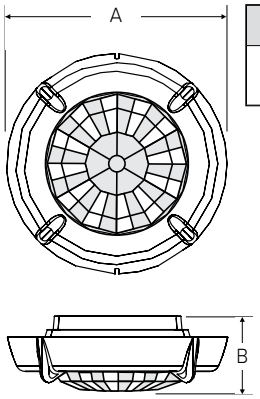
RATIO WALL

RWL1/RWL2 LED WALLPACK

SCP-20F

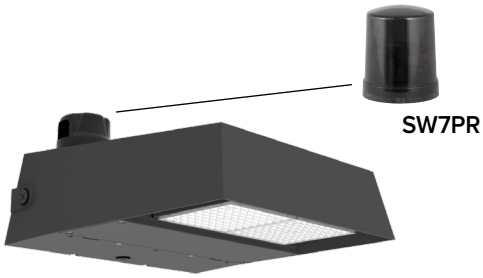






A	B
2.3" (59mm)	.8" (20mm)

SITESYNC 7-PIN MODULE



SW7PR

SiteSync™ LIGHTING CONTROL

- SiteSync features in a new form
- Available as an accessory for new construction or retrofit applications (with existing 7-Pin receptacle)

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October 6, 2022

TO: Arlyn Samuelson
Westwood Professional Services
2901 Dallas Parkway, Suite 400
Plano, TX 75093

FROM: Henry Lee, AICP
City of Rockwall Planning and Zoning Department
385 S. Goliad Street
Rockwall, TX 75087

SUBJECT: SP2022-047; *Site Plan for SPR Packaging*

Arlyn Samuelson:

This letter serves to notify you that the above referenced case (*i.e. Site Plan*) that you submitted for consideration by the City of Rockwall was approved by the Planning and Zoning Commission on September 13, 2022. The following is a record of all recommendations, voting records and conditions of approval:

Staff Recommendations

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

(2) 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.

Planning and Zoning Commission
On September 13, 2022, the Planning and Zoning Commission approved a motion to approve the Site Plan by a vote of 6-0, with Commissioner Welch absent, and with staff and ARB recommendations.

Should you have any questions or concerns regarding your zoning case, please feel free to contact me a (972) 771-7745.

Sincerely,

Henry Lee, AICP, *Planner*
City of Rockwall Planning and Zoning Department



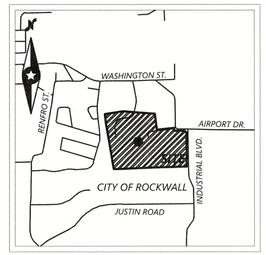
LEGEND

R	RADIUS
FC	FACE OF CURB
BFR	BARRIER FREE RAMP
TYP.	TYPICAL
	PROPOSED FIRE LANE

NOTE:
ALL DIMENSIONS ARE FROM BACK OF CURB TO BACK OF CURB UNLESS OTHERWISE NOTED.

VICINITY MAP

(NOT TO SCALE)



PARKING
THE MINIMUM PARKING REQUIRED FOR A WAREHOUSE DISTRIBUTION CENTER IS TO BE "AS DETERMINED BY THE DIRECTOR" (PER CITY OF ROCKWALL UNIFIED DEVELOPMENT CODE, ARTICLE 06 "PARKING AND LOADING," TABLE 5 "PARKING REQUIREMENT SCHEDULE," UNDER THE CATEGORY "INDUSTRIAL AND MANUFACTURING LAND USES").
PARKING COUNTS
NUMBER OF EMPLOYEES IN 1ST SHIFT: 25
NUMBER OF EMPLOYEES IN 2ND SHIFT: 20
NUMBER OF DAILY VISITORS:
TOTAL PARKING SPACES NEEDED = 48
TOTAL PARKING SPACES PROVIDED = 50 03
ACCESSIBLE PARKING
PER CITY OF ROCKWALL UNIFIED DEVELOPMENT CODE, ARTICLE 06 "PARKING AND LOADING," SECTION 05.04 "HANDICAPPED PARKING":

TOTAL REQUIRED PARKING IN LOT:	REQUIRED NUMBER OF HANDICAPPED SPACES:
51-75	3
76-100	4

THIS PROJECT PROVIDES 4 ACCESSIBLE PARKING SPACES, WITH A TOTAL OF 50 PARKING SPACES PROVIDED.

FUTURE PARKING AREA TO PROVIDE ANOTHER 50 SPACES

SITE DATA SUMMARY TABLE

ITEM	LOT 1, BLOCK A
GENERAL SITE DATA	
ZONING (FROM ZONING MAP)	LIGHT INDUSTRIAL (LI)
LAND USE	WAREHOUSE W/OFFICE
LOT AREA (SQUARE FEET)	1,873,685
LOT AREA (ACRES)	43.0139
BUILDING FOOTPRINT AREA (SF) - PROPOSED	155,660
BUILDING HEIGHT (#STORIES)	1
BUILDING HEIGHT (FT-DIST TO TALLEST ELEMENT)	50'-4"
LOT COVERAGE (%)	8.20%
FLOOR AREA RATIO (X.XX:1)	0.08
ARTIFICIAL LOT AREA (SF)	500,279
IMPERVIOUS AREA (SF)	288,415
LANDSCAPE AREA (SF)	211,864

PROPERTY OWNER:
ALVAPLAST U.S., INC.
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

ENGINEER:
MR. ARLYN SAMUELSON
WESTWOOD PROFESSIONAL SERVICES
2901 DALLAS PARKWAY, SUITE 400
PLANO, TEXAS 75093

SITE PLAN SIGNATURE BLOCK

APPROVED:
I HEREBY CERTIFY THAT THE ABOVE AND FOREGOING SITE PLAN FOR A DEVELOPMENT IN THE CITY OF ROCKWELL, TEXAS, WAS APPROVED BY THE PLANNING & ZONING COMMISSION OF THE CITY OF ROCKWALL ON 27 September, 2022

WITNESS OUR HANDS, 27 September, 2022

PLANNING & ZONING COMMISSION, CHAIRMAN — **DIRECTOR OF PLANNING AND ZONING**

SITE PLAN
SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # SP2022-047
RESUBMITTED SEPTEMBER 7, 2022

SPR DISTRIBUTION CENTER

DESIGNED:
CHECKED:
DRAWN:
HORIZONTAL SCALE:
VERTICAL SCALE:

INITIAL ISSUE: XX/XX/XX
REVISIONS:

PREPARED FOR:
SPR PACKAGING
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

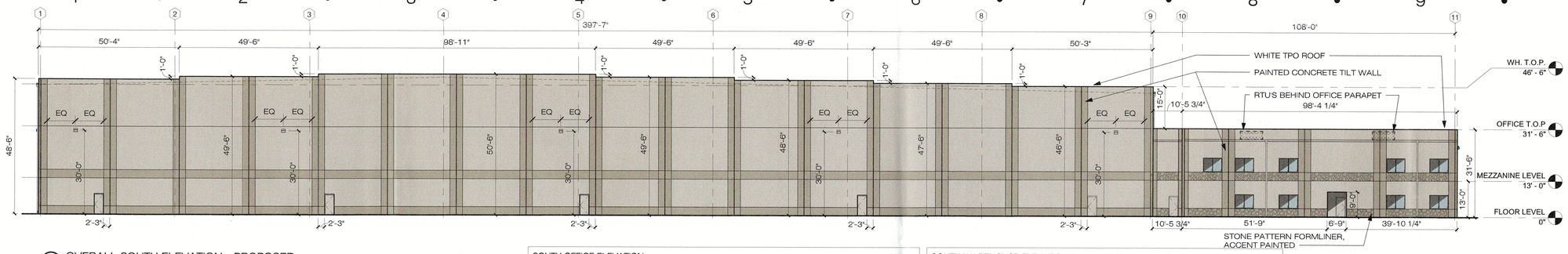
PRELIMINARY
FOR INTERIM REVIEW ONLY
NOT TO BE USED FOR:
CONSTRUCTION OR
BIDDING PURPOSES.
Engineer: ARLYN W. SAMUELSON, PE
P.E. No.: 95877
Date: 09/01/2022
Westwood

SPR DISTRIBUTION CENTER
ROCKWALL, TEXAS

Westwood
Phone (214) 473-4640 2901 Dallas Parkway, Suite 400
Toll Free (888) 937-5150 Plano, TX 75093
westwoodps.com
Westwood Professional Services, Inc.
TBPE FIRM REGISTRATION NO. F-11756
TBPLS FIRM REGISTRATION NO. 10074301

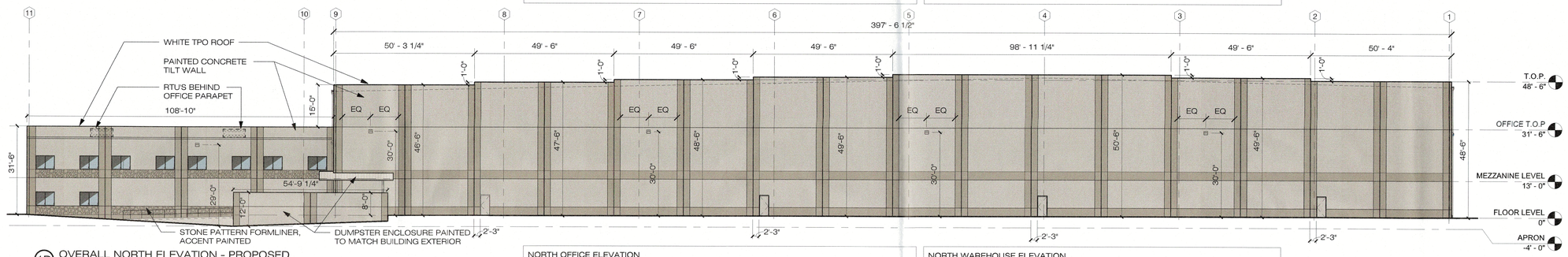
SITE PLAN
PROJECT NUMBER: 0036677.00

SHEET NUMBER: 1.00
DATE: 08/19/22



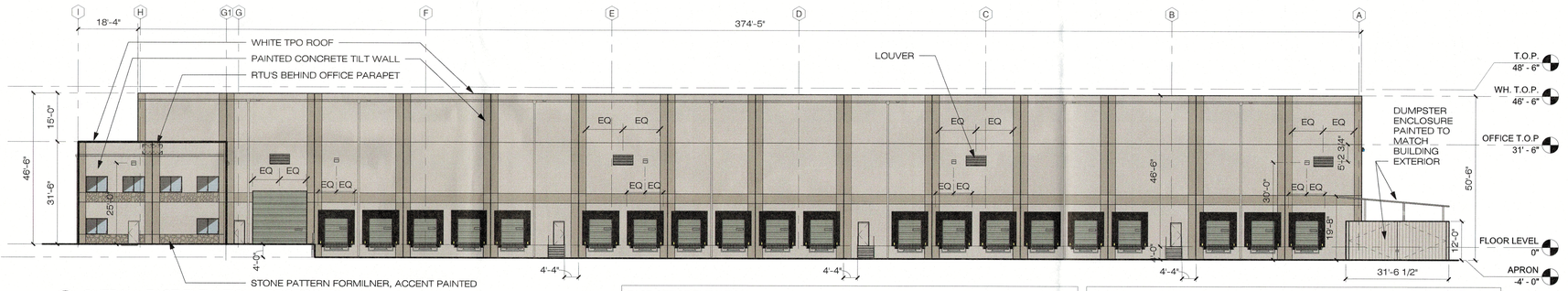
1B OVERALL SOUTH ELEVATION - PROPOSED
1" = 20'-0"

SOUTH OFFICE ELEVATION	SOUTH WAREHOUSE ELEVATION
74 % PAINTED CONCRETE TILT WALL WITH REVEALS 15 % STONE PATTERN FORMLINER, ACCENT PAINTED 11 % CLEAR ANODIZED ALUMINUM FRAMED WINDOWS AND PAINTED HOLLOW METAL DOORS	98 % PAINTED CONCRETE TILT WALL WITH REVEALS 2 % PAINTED HOLLOW METAL DOORS



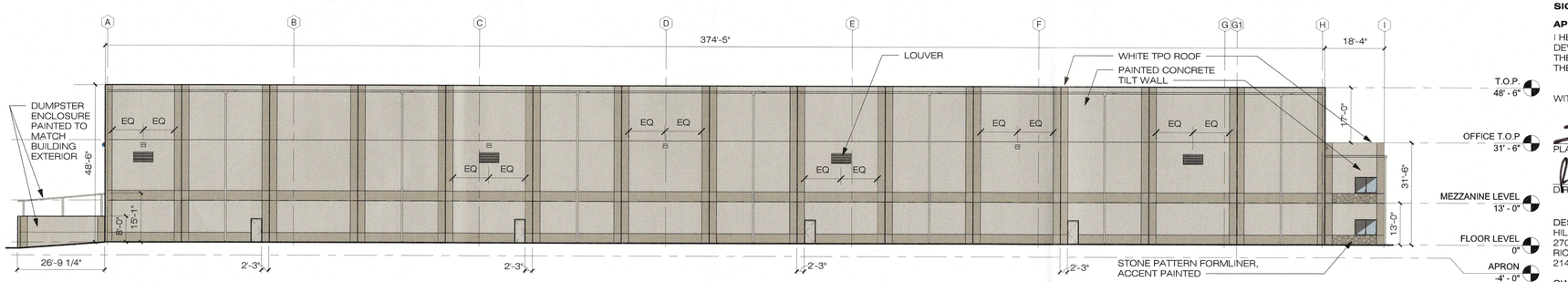
1D OVERALL NORTH ELEVATION - PROPOSED
1" = 20'-0"

NORTH OFFICE ELEVATION	NORTH WAREHOUSE ELEVATION
75 % PAINTED CONCRETE TILT WALL WITH REVEALS 15 % STONE PATTERN FORMLINER, ACCENT PAINTED 10 % CLEAR ANODIZED ALUMINUM FRAMED WINDOWS	98 % PAINTED CONCRETE TILT WALL WITH REVEALS 2 % PAINTED HOLLOW METAL DOORS



1F OVERALL EAST ELEVATION - PROPOSED
1" = 20'-0"

EAST OFFICE ELEVATION	EAST WAREHOUSE ELEVATION
68 % PAINTED CONCRETE TILT WALL WITH REVEALS 15 % STONE PATTERN FORMLINER, ACCENT PAINTED 17 % CLEAR ANODIZED ALUMINUM FRAMED WINDOWS AND PAINTED HOLLOW METAL DOORS	80 % PAINTED CONCRETE TILT WALL WITH REVEALS 20 % LOUVERS AND PAINTED HOLLOW METAL DOORS AND FACTORY FINISHED SECTIONAL DOORS



1J OVERALL WEST ELEVATION - PROPOSED
1" = 20'-0"

WEST OFFICE ELEVATION	WEST WAREHOUSE ELEVATION
73 % PAINTED CONCRETE TILT WALL WITH REVEALS 15 % STONE PATTERN FORMLINER, ACCENT PAINTED 12 % CLEAR ANODIZED ALUMINUM FRAMED WINDOWS	96 % PAINTED CONCRETE TILT WALL WITH REVEALS 4 % LOUVERS AND PAINTED HOLLOW METAL DOORS

EXTERIOR PAINT LEGEND

	EXTERIOR PAINT 1 - SW 9085 TOUCH OF SAND
	EXTERIOR PAINT 2 - SW 9087 SMOKY BEIGE

GENERAL NOTES:

1. NO RTU'S TO BE ON DISTRIBUTION CENTER ROOF (ONLY ON OFFICE ROOF, SCREENED BEHIND PARAPET).
2. BACK OF PARAPET ABOVE ROOF MEMBRANE AND COUNTER FLASHING TO BE FINISHED SAME AS EXTERIOR-FACING WALLS.
3. DUMPSTER ENCLOSURE TO BE CONCRETE TILT-WALL ON 3 SIDES, AND METAL R-PANEL SELF-LATCHING GATES ON 4TH SIDE, ALL PAINTED TO MATCH BUILDING EXTERIOR. DUMPSTER ENCLOSURE ROOF TO BE METAL R-PANEL, SLOPED TO DRAIN AWAY FROM BUILDING, AND ALSO PAINTED TO MATCH BUILDING EXTERIOR. BOLLARDS TO BE PLACED AT IMPACT ZONES.

SIGNATURE BLOCK

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 27 DAY OF September, 2022.

WITNESS OUR HANDS, THIS 27 DAY OF September, 2022.

PLANNING & ZONING COMMISSION, CHAIRMAN

DIRECTOR OF PLANNING AND ZONING

DESIGN BUILDER:
HILL & WILKINSON
2703 TELECOM PARKWAY, SUITE 120
RICHARDSON, TEXAS 75082
214-299-4300

OWNER:
ALVAPLAST U.S., INC.
1480 JUSTIN RD.
ROCKWALL, TEXAS 75087
469-314-1600

CASE NO. SP2022-047

ARCHITECT:
MJDII ARCHITECTS, INC.
16775 ADDISON ROAD, SUITE 310
ADDISON, TEXAS 75001
972-866-8600

SPR DISTRIBUTION CENTER:
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS

RESUBMITED 07 SEPTEMBER 2022

MJDII Architects, Inc.
Architecture · Planning · Consulting
16775 Addison Road, Suite 310 Tel: (972) 866-8600
Addison, Texas 75001 Fax: (972) 866-8601

HILL & WILKINSON GENERAL CONTRACTORS
DESIGN BUILDER
2703 TELECOM PARKWAY, SUITE 120
RICHARDSON, TEXAS 75082
214-299-4300

shaping the built environment
STRUCTURAL ENGINEERING
100 GLASS STREET
DALLAS, TEXAS 75207
214-752-9008

Westwood
PARKWAY CENTRE 1
2901 DALLAS PARKWAY, SUITE 400
PLANO, TEXAS 75093
214-473-4640

COOPER DESIGN WORKS
LANDSCAPE ARCHITECTURE · PLANNING · URBAN DESIGN
PO BOX 492 ROCKWALL TEXAS 75087 P 972.412.9519
cooperdesignworks.com

PILLAR ELECTRIC GROUP
2703 TELECOM PARKWAY, SUITE 100
RICHARDSON, TEXAS 75082
469-277-4860

#	DESCRIPTION	DATE

Seal:

ARCHITECT: JACK A. ROMIGH, AIA
TEXAS REGISTRATION: #11685
DATE: 07 SEPTEMBER 2022

THESE DOCUMENTS ARE PRELIMINARY AND NOT TO BE USED FOR REGULATORY APPROVAL, PERMITTING,OR CONSTRUCTION.

THE TEXAS BOARD OF ARCHITECTURAL EXAMINERS HAS JURISDICTION OVER COMPLAINTS REGARDING THE PROFESSIONAL PRACTICES OF PERSONS REGISTERED AS ARCHITECTS IN TEXAS. THE BOARD'S CURRENT ADDRESS, PHONE NUMBER AND WEBSITE ARE: www.tbae.state.tx.us PO BOX 12337 AUSTIN, TX 78711-2337 (512) 305-9000

SPR
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087
SPR DISTRIBUTION CENTER

Drawn By:	
Project Number:	22-0013-00
Date:	07 SEPTEMBER 2022
Issue:	CITY SITE PLAN RESUBMITTAL
Approved By:	

Sheet Number:

A3.00

OVERALL EXTERIOR ELEVATIONS-PROPOSED

existing chain link fence

existing mature cedar trees to remain

PART OF A CALLED 98.319 ACRES
COLUMBIA EXTRUSION CORPORATION
VOL. 444, PG. 102
D.R.R.C.T.

LO 19

existing cedar trees

existing native trees

limit of landscape and turf irrigation

PROP. 8" WATER

FH

APPROXIMATE LOCATION
20' WATER LINE EASEMENT
VOL. 425, PG. 133
D.R.R.C.T.

existing Live Oaks
50020 - 50032

existing Live Oaks
50001 - 50019

ELECTRIC LINE

MATCH LINE L1.02
MATCH LINE L1.01

M

LM
26

bermuda hyc and irrigation

bermuda hydromulch and irrigation

PARK PLACE WEST
PHASE II
CAB. F, PG. 263
O.P.R.R.C.T.

existing mature cedar trees to remain

20' OFFSITE MAINTENANCE EASEMENT
VOL. 4779, PG. 311
O.P.R.R.C.T.

existing cedar trees

existing chain link fence

existing trees to be removed

DRIVEWAY AREA

PROPOSED DISTRIBUTION BUILDING

limit of landscape and turf irrigation

bermuda hydromulch and irrigation

DE
3

ZM
12

native grass preparation and seed

A
NORTH
1"= 30'-0"

Landscape Plan
plan

RIGHT-OF-WAY
ALLEY WAY
20'

PROP. 8" WATER

existing cedar trees

existing mature cedar trees to remain

bermuda hydromulch and irrigation

LO
37

limit of landscape and turf irrigation

future building expansion

future building expansion

LM
26

PROPERTY OWNER:
ALVAPLAST U.S., INC
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

LANDSCAPE ARCHITECT:
JIM COOPER
COOPER DESIGN WORKS
PO BOX 492
ROCKWALL, TEXAS 75087

SITE DATA SUMMARY TABLE

ITEM	LOT 1, BLOCK A
GENERAL SITE DATA	
ZONING (FROM ZONING MAP)	LIGHT INDUSTRIAL (LI)
LAND USE	WAREHOUSE W/OFFICE
LOT AREA (SQUARE FEET)	1,873,685
LOT AREA (ACRES)	43.0139
BUILDING FOOTPRINT AREA (SF) - PROPOSED	153,560
BUILDING HEIGHT (#/STORIES)	1
BUILDING HEIGHT (FT-DIST TO TALLEST ELEMENT)	50'-0"
LOT COVERAGE (%)	8.20%
FLOOR AREA RATIO (X.XX:1)	0.08
ARTIFICIAL LOT AREA (SF)	500,279
IMPERVIOUS AREA (SF)	288,415
LANDSCAPE AREA (SF)	211,864

SITE PLAN SIGNATURE BLOCK
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 22 September, 2022.

WITNESS OUR HANDS,

PLANNING & ZONING COMMISSION, CHAIRMAN

DIRECTOR OF PLANNING AND ZONING

SITE PLAN
SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # SP2022-047
RESUBMITTED SEPTEMBER 07, 2022

MJDII Architects, Inc.
Architecture • Planning • Consulting
16775 Addison Road, Suite 310 Tel: (972) 866-8600
Addison, Texas 75001 Fax: (972) 866-8601

HILL & WILKINSON GENERAL CONTRACTORS
DESIGN BUILDER
2703 TELECOM PARKWAY, SUITE 120
RICHARDSON, TEXAS 75082
214-296-4300

JQE shaping the built environment
STRUCTURAL ENGINEERING
100 GLASS STREET
DALLAS, TEXAS 75207
214-752-9098

Westwood
PARKWAY CENTRE 1
2901 DALLAS PARKWAY, SUITE 400
PLANO, TEXAS 75093
214-473-4640

COOPER DESIGN WORKS
LANDSCAPE ARCHITECTURE . PLANNING . URBAN DESIGN
PO BOX 492 ROCKWALL TEXAS 75087 P 972.412.7519
cooperdesignworks.com

PILLAR ELECTRIC GROUP
2703 TELECOM PARKWAY, SUITE 100
RICHARDSON, TEXAS 75082
469-277-4850

#	DESCRIPTION	DATE

Seal:
These documents are for municipal review and not for construction.
James A Cooper RLA 1287
07 September 2022

SPR
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087
SPR DISTRIBUTION CENTER

Drawn By:	CDW
Project Number:	22-0013-00
Date:	07 SEPTEMBER 2022
Issue:	CITY SITE PLAN RESUBMITTAL
Approved By:	CDW

Sheet Number:

L1.01

Landscape Plan

PART OF
LOT 1, BLOCK 1
INDALLOY ADDITION
CAB. D, SLIDE 273
P.R.R.C.T.

limit of landscape
and irrigation

existing Live Oaks
50001 - 50019

MATCH LINE L1.02
MATCH LINE L1.01

LM
26

bermuda hydromulch
and irrigation

ZM
12

native grass preparation
and seed

ZM
21

LM
26

CALLED 7.56 ACRES
ROCKWALL COMMUNITY
PLAYHOUSE
VOL. 4239, PG. 206
O.P.R.R.C.T.

APPROXIMATE LOCATION
FEMA FLOODLINE
ACCORDING TO FEMA MAP NO.
48397C0040L DATED 09/26/2008

20' WATER LINE EASEMENT
VOL. 425, PG. 133
D.R.R.C.T.

DRIVEWAY AREA

PROP. 8" WATER

bermuda hydromulch
and irrigation

limit of landscape
and turf irrigation

future building
expansion

ONE STORY
METAL BUILDING
FINISHED FLOOR
ELEVATION =
563.5'

A
1"= 30'-0"
NORTH

Landscape Plan
plan

SITE DATA SUMMARY TABLE	
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WITNESS OUR HANDS, this 22 day of September, 2022

PLANNING & ZONING COMMISSION, CHAIRMAN

DIRECTOR OF PLANNING AND ZONING

PROPERTY OWNER:
ALVAPLAST U.S., INC.
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087
LANDSCAPE ARCHITECT:
JIM COOPER
COOPER DESIGN WORKS
PO BOX 492
ROCKWALL, TEXAS 75087

SITE PLAN
SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # SP2022-047
RESUBMITTED SEPTEMBER 07, 2022

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Architecture • Planning • Consulting
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Addison, Texas 75001 Fax: (972) 866-8601

HILL & WILKINSON GENERAL CONTRACTORS
DESIGN BUILDER
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RICHARDSON, TEXAS 75082
214-296-4300

shaping the built environment
STRUCTURAL ENGINEERING
100 GLASS STREET
DALLAS, TEXAS 75207
214-752-9098

Westwood
PARKWAY CENTRE 1
2901 DALLAS PARKWAY, SUITE 400
PLANO, TEXAS 75093
214-473-4640

COOPER DESIGN WORKS
LANDSCAPE ARCHITECTURE . PLANNING . URBAN DESIGN
PO BOX 492 ROCKWALL TEXAS 75087 P 972.412.9519
cooperdesignworks.com

PILLAR ELECTRIC GROUP
2703 TELECOM PARKWAY, SUITE 100
RICHARDSON, TEXAS 75082
469-277-4860

#	DESCRIPTION	DATE

Seal:
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James A Cooper RLA 1287
07 September 2022

SPR
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087
SPR DISTRIBUTION CENTER

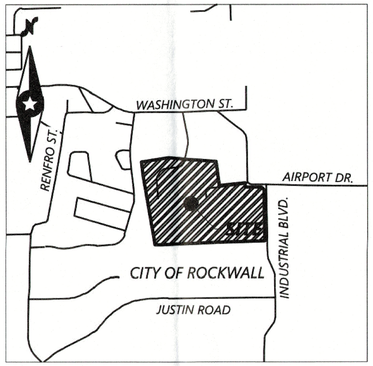
Drawn By:	CDW
Project Number:	22-0013-00
Date:	07 SEPTEMBER 2022
Issue:	CITY SITE PLAN RESUBMITTAL
Approved By:	CDW

Sheet Number:

L1.02

Landscape Plan

VICINITY MAP



Landscape Calculations:

Parking Lot Landscaping:

Parking Area (Double Row):	4958 SF
Interior Landscape Area Required 5%:	249 SF
Interior Landscape Area Provided:	250 SF

Parking lot trees provided at terminus of rows and islands.

Detention Pond Landscaping:

Detention Pond Area:	63,450 SF
Native Grass Seed Provided:	63,450 SF
Ornamental Grasses Required:	85 (5) Gallon Plants

63,450 SF / 1 Plant per 750 SF = 85

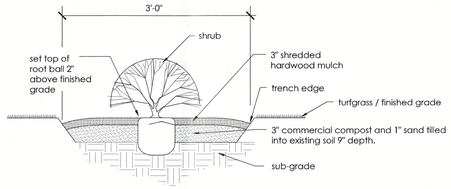
Ornamental Grasses Provided:	85

Abutting Residential Buffer:

Landscape buffer abutting residential development is existing.

Landscape Notes:

An automatic irrigation system will be provided comply with the irrigation code of Chapter 10, Buildings and Building Regulations, Article XVI, Irrigation Code, of the City of Rockwall Code of Ordinances, and all applicable state laws, as may be amended.



A Ornamental Grass Trench Bed Detail

NTS

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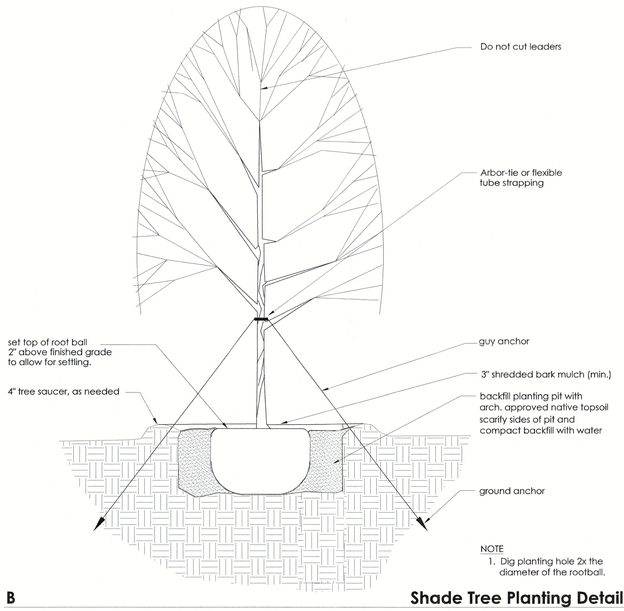
PLANT SCHEDULE

Large Shade And Evergreen Trees

	SYM	QTY	COMMON NAME	BOTANICAL NAME	SIZE & CONDITION AT PLANTING
	LO	56	Live Oak	Quercus virginiana	4" Caliper 12'-14' Ht./ 4'-5' spread, container grown straight trunk.
	DE	6	Drake Elm	Ulmus parvifolia 'Drake'	4" Caliper 12'-14' Ht./ 5'-6' spread, container grown straight trunk.

Shrubs and Groundcovers

	SYM	QTY	COMMON NAME	BOTANICAL NAME	SIZE & CONDITION AT PLANTING
	LM	52	Lindheimer Muhly	Muhlenbergia lindheimeri	5 Gallon 24"-30" Ht. 18" - 24" spread.
	ZM	33	Zebra Miscanthus	Miscanthus sinensis 'Zebrinis'	5 Gallon 24"-30" Ht. 18" - 24" spread.
		63,899 SF	Big Bluestem Little Bluestem Hairy Grama Purple Three-awn Tall Grama Sideoats Grama Buffalo Grass	Andropogon gerardii Schizachyrium scoparium Bouteloua hirsuta Aristida purpurea Bouteloua rigidiseta Bouteloua curtipendula Bouteloua dactyloides	Disc, drill seed and hydromulch cover per supplier recommendation. Submit product data or sample.
		143,802 SF	Bermuda Hydromulch	Cynadon dactylon	Fine grade prior to installation



NOTE
1. Dig planting hole 2x the diameter of the rootball.

B Shade Tree Planting Detail

NTS

PROPERTY OWNER:
ALVAPLAST U.S., INC.
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

LANDSCAPE ARCHITECT:
JIM COOPER
COOPER DESIGN WORKS
PO BOX 492
ROCKWALL, TEXAS 75087

SITE PLAN SIGNATURE BLOCK
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WITNESS OUR HANDS, THIS 27 September 2022

PLANNING & ZONING COMMISSION, CHAIRMAN — DIRECTOR OF PLANNING AND ZONING

SITE PLAN
SPR DISTRIBUTION CENTER
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LOT 2, BLOCK 1
INDALLOY ADDITION
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COOPER DESIGN WORKS
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PILLAR ELECTRIC GROUP
2703 TELEOOM PARKWAY, SUITE 100
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469-277-4850

#	DESCRIPTION	DATE

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James A Cooper RLA 1287
07 September 2022

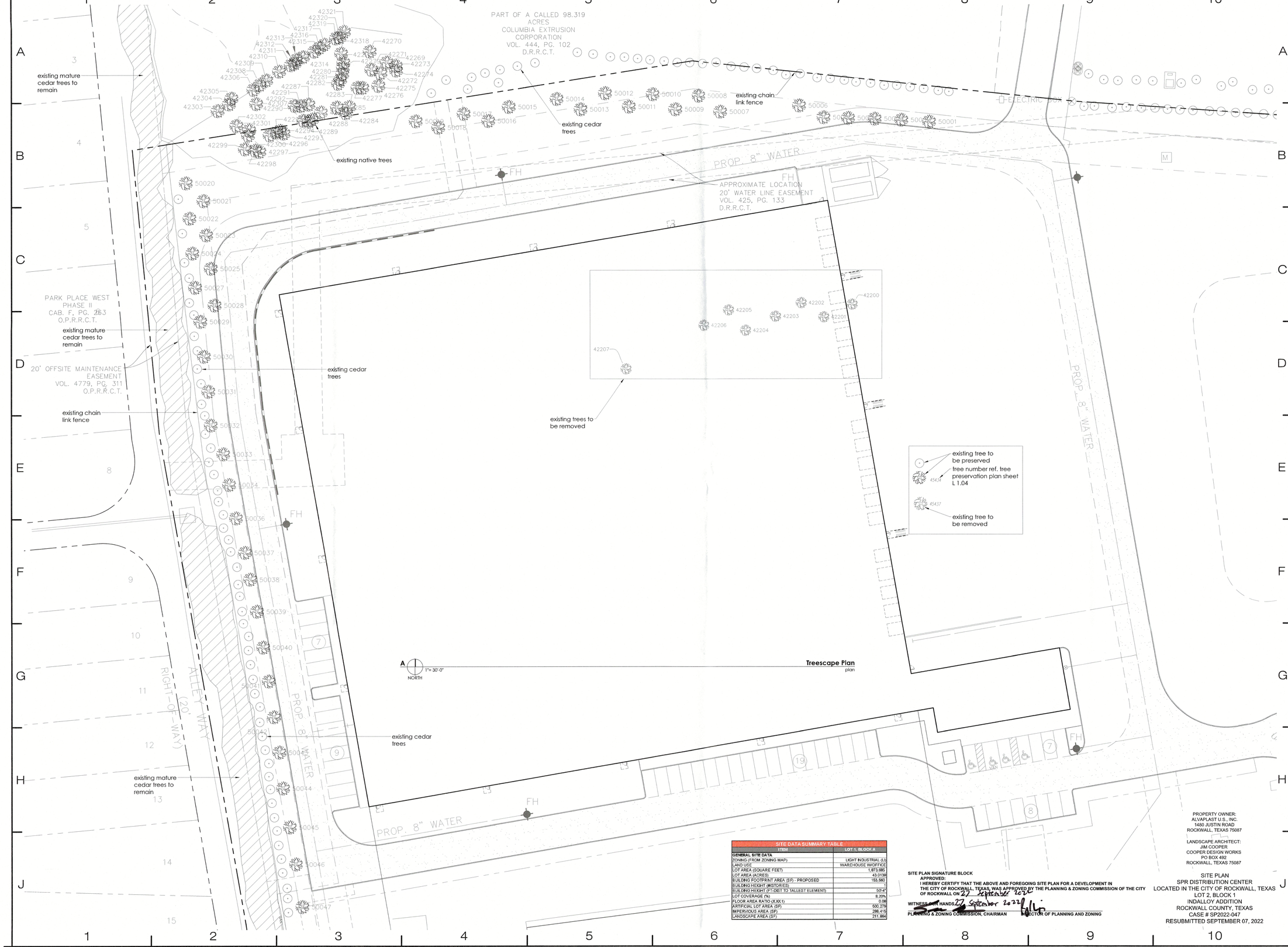
SPR
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087
SPR DISTRIBUTION CENTER

Drawn By:	CDW
Project Number:	22-0013-00
Date:	07 SEPTEMBER 2022
Issue:	CITY SITE PLAN RESUBMITTAL
Approved By:	CDW

Sheet Number:

L1.03

Landscape Plan



SITE DATA SUMMARY TABLE	
ITEM	LOT 1, BLOCK A
GENERAL SITE DATA	
ZONING (FROM ZONING MAP)	LIGHT INDUSTRIAL (LI)
LAND USE	WAREHOUSE W/OFFICE
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LOT AREA (ACRES)	43.0139
BUILDING FOOTPRINT AREA (SF) - PROPOSED	153,560
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ARTIFICIAL LOT AREA (SF)	500,279
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WITNESS OUR HANDS, this 27 September 2022

PLANNING & ZONING COMMISSION, CHAIRMAN

DIRECTOR OF PLANNING AND ZONING

PROPERTY OWNER:
ALVAPLAST U.S., INC.
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

LANDSCAPE ARCHITECT:
JIM COOPER
COOPER DESIGN WORKS
PO BOX 492
ROCKWALL, TEXAS 75087

SITE PLAN
SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # SP2022-047
RESUBMITTED SEPTEMBER 07, 2022

MJDII Architects, Inc.
Architecture • Planning • Consulting
16775 Addison Road, Suite 310 Tel: (972) 866-8600
Addison, Texas 75001 Fax: (972) 866-8601

HILL & WILKINSON GENERAL CONTRACTORS
DESIGN BUILDER
2703 TELECOM PARKWAY, SUITE 120
RICHARDSON, TEXAS 75082
214-299-4300

shaping the built environment
STRUCTURAL ENGINEERING
100 GLASS STREET
DALLAS, TEXAS 75207
214-752-9098

Westwood
PARKWAY CENTRE 1
2901 DALLAS PARKWAY, SUITE 400
PLANO, TEXAS 75093
214-473-4640

COOPER DESIGN WORKS
LANDSCAPE ARCHITECTURE . PLANNING . URBAN DESIGN
PO BOX 492 ROCKWALL TEXAS 75087 P 972.412.7519
cooperdesignworks.com

PILLAR ELECTRIC GROUP
2703 TELECOM PARKWAY, SUITE 100
RICHARDSON, TEXAS 75082
469-277-4850

#	DESCRIPTION	DATE

Seal:
These documents are for municipal review and not for construction.
James A Cooper RLA 1287
07 September 2022

SPR
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087
SPR DISTRIBUTION CENTER

Drawn By:	CDW
Project Number:	22-0013-00
Date:	07 SEPTEMBER 2022
Issue:	CITY SITE PLAN RESUBMITTAL
Approved By:	CDW

Sheet Number:
L1.04
Treescape Plan

Treescape Calculations:

Total Mitigation Required:	276 inches
Tree Credits:	
Tree No. 42276 30" Elm	30 inches
Parking Lot/Site Trees	248 inches
Total Mitigation Provided:	**278 inches**

Tree Preservation Table

Tree Number	Common Name	DBH Inches	Status	Feature Tree	Mitigation Required	Mitigation Inches
42220	Live Oak	26	Remove	Yes	Yes	52
42201	Crape Myrtle	12	Remove	No	Yes	12
42202	Crape Myrtle	16	Remove	No	Yes	16
42203	Live Oak	30	Remove	Yes	Yes	60
42204	Crape Myrtle	12	Remove	No	Yes	12
42205	Crape Myrtle	12	Remove	No	Yes	12
42206	Live Oak	26	Remove	Yes	Yes	52
42207	Live Oak	30	Remove	Yes	Yes	60
42269	Willow	18	Preserve	No	No	
42270	Cedar	6	Preserve	No	No	
42271	Elm	20	Preserve	No	No	
42272	Elm	20	Preserve	No	No	
42273	Unknown	10	Preserve	No	No	
42274	Hackberry	12	Preserve	No	No	
42275	Elm	11	Preserve	No	No	
42276	Elm	30	Preserve	No	No	
42277	Elm	13	Preserve	No	No	
42278	Elm	15	Preserve	No	No	
42279	Elm	20	Preserve	No	No	
42280	Elm	20	Preserve	No	No	
42281	Elm	6	Preserve	No	No	
42282	Cedar	4	Preserve	No	No	
42283	Cedar	14	Preserve	No	No	
42284	Cedar	6	Preserve	No	No	
42285	Cedar	12	Preserve	No	No	
42286	Elm	10	Preserve	No	No	
42287	Elm	9	Preserve	No	No	
42288	Elm	18	Preserve	No	No	
42289	Hackberry	8	Preserve	No	No	
42290	Cedar	12	Preserve	No	No	
42291	Elm	11	Preserve	No	No	
42292	Elm	4	Preserve	No	No	
42293	Elm	9	Preserve	No	No	
42294	Elm	9	Preserve	No	No	
42295	Hackberry	15	Preserve	No	No	
42296	Elm	6	Preserve	No	No	
42297	Cedar	6	Preserve	No	No	
42298	Cedar	6	Preserve	No	No	
42299	Elm	10	Preserve	No	No	
42300	Elm	8	Preserve	No	No	
42301	Elm	8	Preserve	No	No	
42302	Elm	4	Preserve	No	No	
42303	Elm	9	Preserve	No	No	
42304	Elm	4	Preserve	No	No	
42305	Elm	9	Preserve	No	No	
42306	Elm	16	Preserve	No	No	
42307	Elm	4	Preserve	No	No	
42308	Elm	15	Preserve	No	No	
42309	Elm	12	Preserve	No	No	
42310	Elm	4	Preserve	No	No	
42311	Elm	6	Preserve	No	No	
42312	Elm	6	Preserve	No	No	
42313	Elm	4	Preserve	No	No	
42314	Elm	9	Preserve	No	No	
42315	Elm	9	Preserve	No	No	
42316	Elm	16	Preserve	No	No	
42317	Elm	16	Preserve	No	No	
42318	Cedar	6	Preserve	No	No	
42319	Cedar	4	Preserve	No	No	
42320	Cedar	6	Preserve	No	No	
42321	Cedar	10	Preserve	No	No	
42437	Bois d'arc	24	Preserve	No	No	

Tree Number	Common Name	DBH Inches	Status	Feature Tree	Mitigation Required	Mitigation Inches
50001	Live Oak	4-5"	Preserve	No	No	
50002	Live Oak	4-5"	Preserve	No	No	
50003	Live Oak	4-5"	Preserve	No	No	
50004	Live Oak	4-5"	Preserve	No	No	
50005	Live Oak	4-5"	Preserve	No	No	
50006	Live Oak	4-5"	Preserve	No	No	
50007	Live Oak	4-5"	Preserve	No	No	
50008	Live Oak	4-5"	Preserve	No	No	
50009	Live Oak	4-5"	Preserve	No	No	
50010	Live Oak	4-5"	Preserve	No	No	
50012	Live Oak	4-5"	Preserve	No	No	
50013	Live Oak	4-5"	Preserve	No	No	
50014	Live Oak	4-5"	Preserve	No	No	
50015	Live Oak	4-5"	Preserve	No	No	
50016	Live Oak	4-5"	Preserve	No	No	
50017	Live Oak	4-5"	Preserve	No	No	
50018	Live Oak	4-5"	Preserve	No	No	
50019	Live Oak	4-5"	Preserve	No	No	
50020	Live Oak	4-5"	Preserve	No	No	
50022	Live Oak	4-5"	Preserve	No	No	
50023	Live Oak	4-5"	Preserve	No	No	
50024	Live Oak	4-5"	Preserve	No	No	
50025	Live Oak	4-5"	Preserve	No	No	
50026	Live Oak	4-5"	Preserve	No	No	
50027	Live Oak	4-5"	Preserve	No	No	
50028	Live Oak	4-5"	Preserve	No	No	
50029	Live Oak	4-5"	Preserve	No	No	
50030	Live Oak	4-5"	Preserve	No	No	
50031	Live Oak	4-5"	Preserve	No	No	
50032	Live Oak	4-5"	Preserve	No	No	
50033	Live Oak	4-5"	Preserve	No	No	
50034	Live Oak	4-5"	Preserve	No	No	
50035	Live Oak	4-5"	Preserve	No	No	
50036	Live Oak	4-5"	Preserve	No	No	
50037	Live Oak	4-5"	Preserve	No	No	
50038	Live Oak	4-5"	Preserve	No	No	
50039	Live Oak	4-5"	Preserve	No	No	
50040	Live Oak	4-5"	Preserve	No	No	
50042	Live Oak	4-5"	Preserve	No	No	
50043	Live Oak	4-5"	Preserve	No	No	
50044	Live Oak	4-5"	Preserve	No	No	
50045	Live Oak	4-5"	Preserve	No	No	
50046	Live Oak	4-5"	Preserve	No	No	
50047	Live Oak	4-5"	Preserve	No	No	
50048	Live Oak	4-5"	Preserve	No	No	
50049	Live Oak	4-5"	Preserve	No	No	
50050	Live Oak	4-5"	Preserve	No	No	
50051	Live Oak	4-5"	Preserve	No	No	
50052	Live Oak	4-5"	Preserve	No	No	
50053	Live Oak	4-5"	Preserve	No	No	
50054	Live Oak	4-5"	Preserve	No	No	
50055	Live Oak	4-5"	Preserve	No	No	
50056	Live Oak	4-5"	Preserve	No	No	
50057	Live Oak	4-5"	Preserve	No	No	
50058	Live Oak	4-5"	Preserve	No	No	
50059	Live Oak	4-5"	Preserve	No	No	
50060	Live Oak	4-5"	Preserve	No	No	
50061	Live Oak	4-5"	Preserve	No	No	
50062	Live Oak	4-5"	Preserve	No	No	
50063	Live Oak	4-5"	Preserve	No	No	
50064	Live Oak	4-5"	Preserve	No	No	
50065	Live Oak	4-5"	Preserve	No	No	
50066	Live Oak	4-5"	Preserve	No	No	
50067	Live Oak	4-5"	Preserve	No	No	
50068	Live Oak	4-5"	Preserve	No	No	

Total Mitigation Inches = 276

SITE DATA SUMMARY TABLE	
ITEM	LOT 1, BLOCK A
GENERAL SITE DATA	
ZONING (FROM ZONING MAP)	LIGHT INDUSTRIAL (LI)
LAND USE	WAREHOUSE W/OFFICE
LOT AREA (SQUARE FEET)	1,873,685
LOT AREA (ACRES)	43.0136
BUILDING FOOTPRINT AREA (SF) - PROPOSED	183,560
BUILDING HEIGHT (#STORIES)	1
BUILDING HEIGHT (FT-DIST TO TALLEST ELEMENT)	50'4"
LOT COVERAGE (%)	8.20%
FLOOR AREA RATIO (X.XX:1)	0.09
ARTIFICIAL LOT AREA (SF)	600,276
IMPERVIOUS AREA (SF)	288,416
LANDSCAPE AREA (SF)	211,864

SITE PLAN SIGNATURE BLOCK
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 27 September 2022

WITNESS OUR HANDS, 27 September 2022

PLANNING & ZONING COMMISSION, CHAIRMAN — DIRECTOR OF PLANNING AND ZONING

PROPERTY OWNER:
ALVAPLAST U.S., INC.
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

LANDSCAPE ARCHITECT:
JIM COOPER
COOPER DESIGN WORKS
PO BOX 492
ROCKWALL, TEXAS 75087

SITE PLAN
SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # SP2022-047
RESUBMITTED SEPTEMBER 07, 2022

MJDII Architects, Inc.
Architecture • Planning • Consulting
16775 Addison Road, Suite 310
Addison, Texas 75001
Tel: (972) 866-8600
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HILL & WILKINSON GENERAL CONTRACTORS
DESIGN BUILDER
2703 TELECOM PARKWAY, SUITE 120
RICHARDSON, TEXAS 75082
214-298-4300

JQ shaping the built environment
STRUCTURAL ENGINEERING
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DALLAS, TEXAS 75207
214-752-9098

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PARKWAY CENTRE 1
2901 DALLAS PARKWAY, SUITE 400
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214-473-4640

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LANDSCAPE ARCHITECTURE . PLANNING . URBAN DESIGN
PO BOX 492 ROCKWALL TEXAS 75087 P 972.412.9519
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PILLAR ELECTRIC GROUP
2703 TELECOM PARKWAY, SUITE 100
RICHARDSON, TEXAS 75082
469-277-4860

#	DESCRIPTION	DATE

Seal:
These documents are for municipal review and not for construction.
James A Cooper RLA 1287
07 September 2022

SPR
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087
SPR DISTRIBUTION CENTER

Drawn By:	CDW
Project Number:	22-0013-00
Date:	07 SEPTEMBER 2022
Issue:	CITY SITE PLAN RESUBMITTAL
Approved By:	CDW

Sheet Number:

L1.05

Treescape Details

PART OF A CALLED 98.319 ACRES
COLUMBIA EXTRUSION
CORPORATION

VOL. 444, PG. 102
D.R.R.C.T.

PART OF
LOT 1, BLOCK 1
INDALLOY ADDITION
CAB. D, SLIDE 273
P.R.R.C.T.

CALLED 7.56 ACRES
ROCKWALL COMM
PLAYHOUSE

VOL. 4239, PG. 206

PROP. 8" WATER

FH

FL(8")N=550.47

FL(8")S=551.25

Property Line - North

18" RCP

FL(12")N=557.36

FL(18")W=557.16

ALLEY A(26' RIGHT-OF-WAY)

PROP. 8" WATER

PROP. 8" WATER

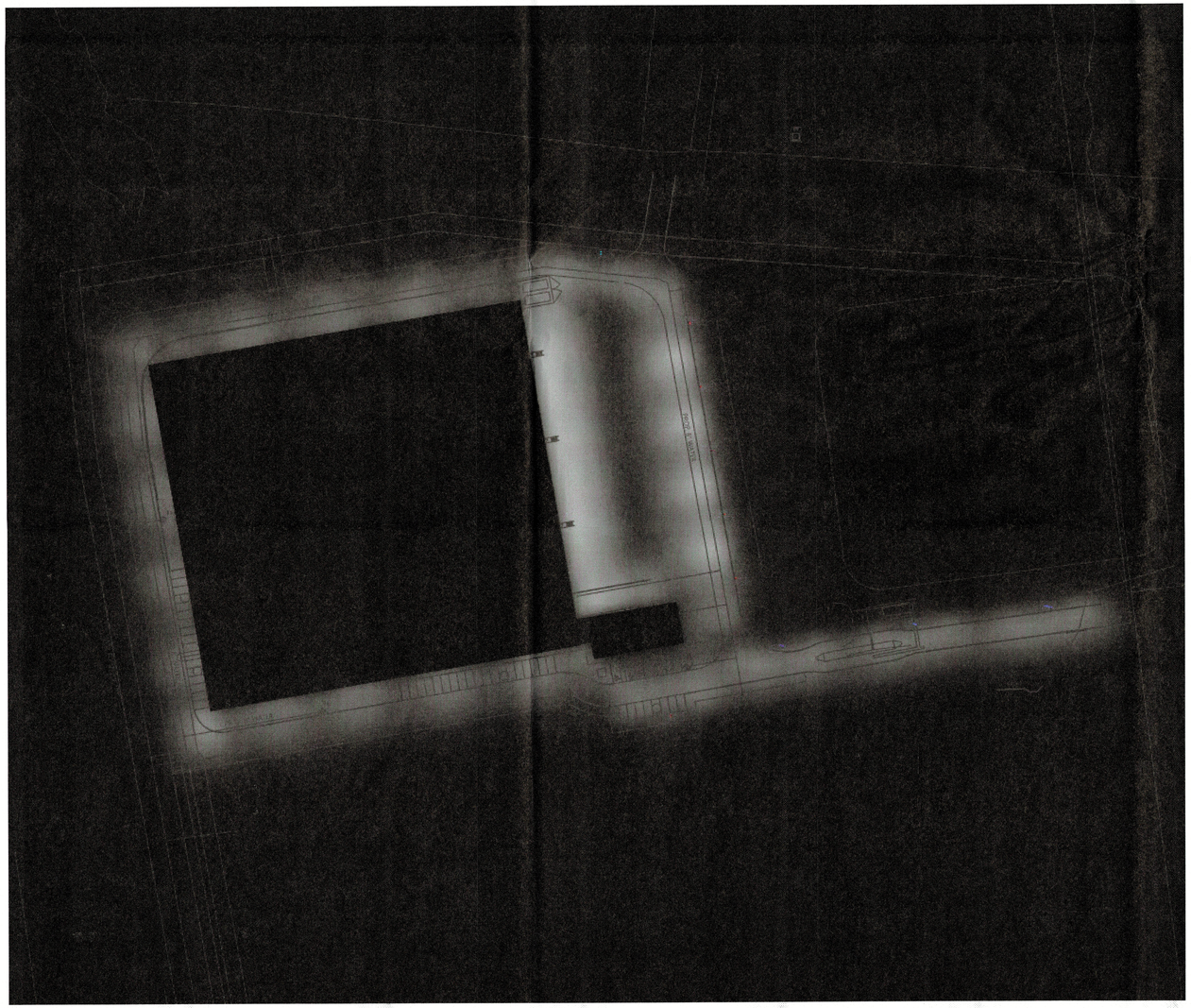
PROP. 8" WATER

Luminaire Schedule								
Symbol	Label	Qty	Arrangement	Manufacturer & Part Number	LLF	Lum. Lumens	Luminaire Watts	Total Watts
	P3	3	Single	HUBBELL RAR2-480L-185-4K7-3-U	0.900	24684	174.5	523.5
	P4	6	Single	HUBBELL RAR2-480L-185-4K7-4W-U	0.900	24226	174.5	1047
	P8	1	Single	HUBBELL RAR2-480L-185-4K7-4W-U-BC	0.900	13508	174.5	174.5
	W4	15	Single	HUBBELL RWL2-160L-115-4K7-4-U	0.900	14403	109.8	1647
	W5	7	Single	HUBBELL RWL2-160L-155-4K7-4-U	0.900	18592	156.8	1097.6

NOTES:
1) Fixture Mounting Heights (MH) are indicated next to each fixture.
2) All fixtures labeled with "_alt" indicates an alternative fixture different from what was listed in the fixture schedule received was used in this calculation
3) Interior reflectances 80/50/20; exterior reflectances 20% UON.
4) Quantity (QTY) indicated on HLPS Luminaire Schedule is for what is included in this calculation study only - Not final counts.
5) Contractor to verify exact fixture quantities and fixture run lengths before ordering.

Calculation Summary										
Label	CalcType	Units	PtSpcLr	PtSpcTb	Avg	Max	Min	Avg/Min	Max/Min	Description
Overall Area	Illuminance	Fc	10	10	0.79	5.9	0.0	N.A.	N.A.	Readings taken at 0'-0" AFG
Property Line - East	Illuminance	Fc	10	N.A.	0.01	0.2	0.0	N.A.	N.A.	Readings taken at 0'-0" AFG
Property Line - North	Illuminance	Fc	10	N.A.	0.00	0.2	0.0	N.A.	N.A.	Readings taken at 0'-0" AFG
Property Line - West	Illuminance	Fc	10	N.A.	0.05	0.1	0.0	N.A.	N.A.	Readings taken at 0'-0" AFG
Loading-Pkg-Drive Areas	Illuminance	Fc			2.58	6	0	N.A.	N.A.	Readings taken at 0'-0" AFG

Isoline Legend	
Illuminance (Fc)	
Color	Value
	0.2
	0.5
	1



Top View - Greyscale (Luminance)

SITE DATA SUMMARY TABLE	
ITEM	LOT 1, BLOCK A
GENERAL SITE DATA	
ZONING (FROM ZONING MAP)	LIGHT INDUSTRIAL (LI)
LAND USE	WAREHOUSE W/OFFICE
LOT AREA (SQUARE FEET)	1,873,685
LOT AREA (ACRES)	43.0139
BUILDING FOOTPRINT AREA (SF) - PROPOSED	153,560
BUILDING HEIGHT (#/STORIES)	1
BUILDING HEIGHT (FT-DIST TO TALLEST ELEMENT)	50'-4"
LOT COVERAGE (%)	8.20%
FLOOR AREA RATIO (X.XX:1)	0.08

SIGNATURE BLOCK

APPROVED:
I HEREBY CERTIFY THAT THE ABOVE AND FOREGOING SITE PLAN FOR A DEVELOPMENT IN THE CITY OF ROCKWELL, TEXAS, WAS APPROVED BY THE PLANNING & ZONING COMMISSION OF THE CITY OF ROCKWALL ON THE 27 DAY OF September, 2022.

WITNESS OUR HANDS, THIS 27 DAY OF September, 2022.

PLANNING & ZONING COMMISSION, CHAIRMAN — **DIRECTOR OF PLANNING AND ZONING**

PROPERTY OWNER:
ALVAPLAST U.S., INC.
1480 JUSTIN ROAD
ROCKWALL, TEXAS 75087

CIVIL ENGINEER:
MR. ARLYN SAMUELSON
WESTWOOD PROFESSIONAL SERVICES
2901 DALLAS PARKWAY, SUITE 400
PLANO, TEXAS 75093

SITE PLAN
SPR DISTRIBUTION CENTER
LOCATED IN THE CITY OF ROCKWALL, TEXAS
LOT 2, BLOCK 1
INDALLOY ADDITION
ROCKWALL COUNTY, TEXAS
CASE # SP2022-047
RESUBMITTED SEPTEMBER 7, 2022

Project Name: SPR Warehouse Site
Client:
Drawn By: JOw, LC
Project # :
Date:9/6/2022
Version: REV 4

HLPS HOSSLEY
LIGHTING AND POWER SOLUTIONS

THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO EXISTING / FUTURE FIELD CONDITIONS. THIS LIGHTING LAYOUT REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER VARIABLE FIELD CONDITIONS. THESE LIGHTING CALCULATIONS ARE NOT A SUBSTITUTE FOR INDEPENDENT ENGINEERING ANALYSIS OF LIGHTING SYSTEM SUITABILITY AND SAFETY. THE ENGINEER AND/OR ARCHITECT IS RESPONSIBLE TO REVIEW FOR COMPLIANCE OF ALL APPLICABLE ENERGY CODES AND LIGHTING QUALITY STANDARDS.