

DEVELOPMENT APPLICATION

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

STA	FF	USE	ΩNI	v

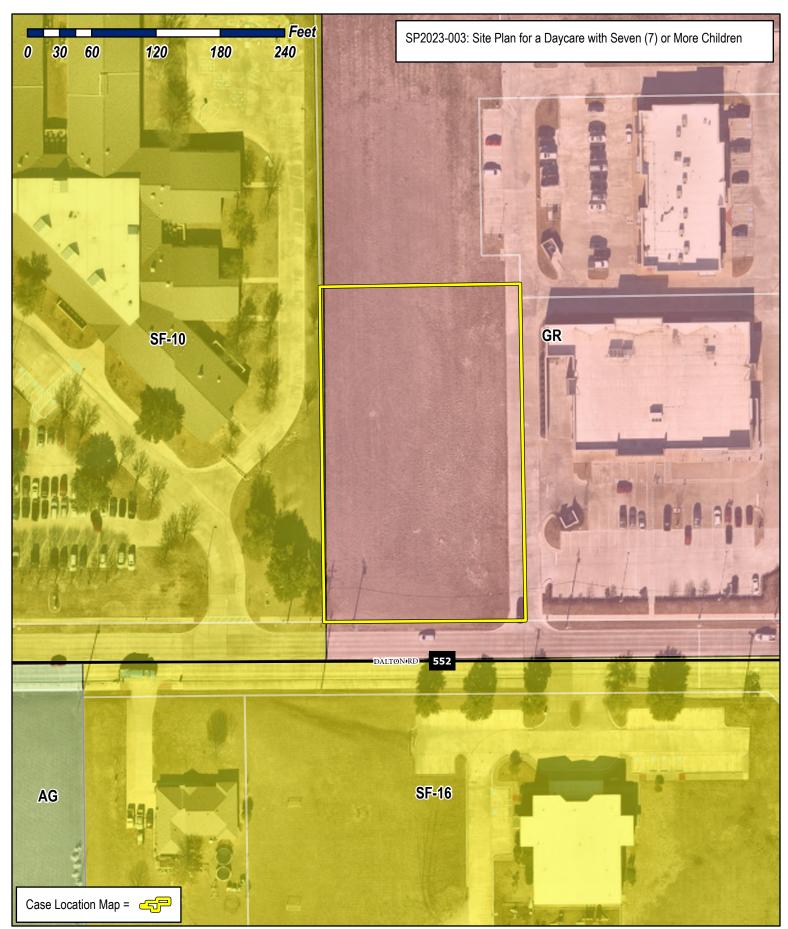
PLANNING & ZONING CASE NO.

<u>NOTE:</u> 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	F DEVELOPMENT RE	QUEST [SELECT ONLY ONE BO	XI:	
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: I ZONING CHANGE (\$200.00 + \$15.00 ACRE) 1 SPECIFIC USE PERMIT (\$200.00 + \$15.00 ACRE) 1 & 2 I PD DEVELOPMENT PLANS (\$200.00 + \$15.00 ACRE) 1 OTHER APPLICATION FEES: I TREE REMOVAL (\$75.00) VARIANCE REQUEST/SPECIAL EXCEPTIONS (\$100.00) 2 NOTES: N 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. 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 INF	ORMATION [PLEASE PRINT					
ADDRES	s Dalton Road					
SUBDIVISIO	N Dalton Goliad Ad	ldition		LOT 7	вьоск Д	
GENERAL LOCATIO	N One lot west of	the northwest co	rner of S.H. 2	205 & Dalton Road		
ZONING, SITE P	LAN AND PLATTING I	NFORMATION IPLEASE	PRINTI			
	G GR w/N. SH 205		CURRENT USE	Vacant		
PROPOSED ZONIN	GR w/N. SH 20	5 Overlay	PROPOSED USE	Child Care Center		
	E 1.35	LOTS [CURRENT]	1	LOTS [PROPOSED]	1	
REGARD TO ITS	D PLATS: BY CHECKING THIS E APPROVAL PROCESS, AND FAIL DENIAL OF YOUR CASE.	BOX YOU ACKNOWLEDGE TH LURE TO ADDRESS ANY OF S	NAT DUE TO THE PASS TAFF'S COMMENTS BY	AGE OF <u>HB3167</u> THE CITY NO LO THE DATE PROVIDED ON THE DE	NGER HAS FLEXIBILITY WITH VELOPMENT CALENDAR WILL	
OWNER/APPLIC	ANT/AGENT INFORMA	ATION [PLEASE PRINT/CHE	ECK THE PRIMARY CON	TACT/ORIGINAL SIGNATURES ARE	REQUIRED	
☐ OWNER	Rockwall 205-552 LLC		APPLICANT	Vasquez Engineering L	.L.C.	
CONTACT PERSON	Donald Silverman		CONTACT PERSON	Juan J. Vasquez		
ADDRESS	4622 Maple Ave.		ADDRESS	1919 S. Shiloh Road		
	Suite 200			Suite 440		
CITY, STATE & ZIP	Dallas, TX		CITY, STATE & ZIP	Garland, TX 75042		
PHONE	214-393-3983		PHONE	972-278-2948		
E-MAIL	dsilverman@mqcom	panies.com	E-MAIL	jvasquez@vasquezeng	ineering.com	
BEFORE ME, THE UNDE	CATION [REQUIRED] RSIGNED AUTHORITY, ON THIS I ION ON THIS APPLICATION TO B			Selverman [OWNER]	THE UNDERSIGNED, WHO	
\$_277.00 JANUARY INFORMATION CONTAINE	TO COVER THE CO 20 23 BY SIGNII D WITHIN THIS APPLICATION TO	OST OF THIS APPLICATION, HAS NG THIS APPLICATION, I AGREE O THE PUBLIC. THE CITY IS A	BEEN PAID TO THE CITY E THAT THE CITY OF RO ALSO AUTHORIZED AND	TED HEREIN IS TRUE AND CORRECT; Y OF ROCKWALL ON THIS THE 20TH ICKWALL (I.E. "CITY") IS AUTHORIZED O PERMITTED TO REPRODUCE ANY E TO A REQUEST FOR PUBLIC INFORM	DAY OF DAY OF PROVIDE COPYRIGHTED INFORMATION	
GIVEN UNDER MY HAND	AND SEAL OF OFFICE ON THIS OWNER'S SIGNATURE	THE 310 DAY OF Jan	202'	My Notar	AN COOPER y ID # 124193782	
NOTARY PUBLIC IN AND	FOR THE STATE OF TEXAS	MAN COOPER		EXPLANATION FOR THE PARTY OF TH	s April-23, 2026	

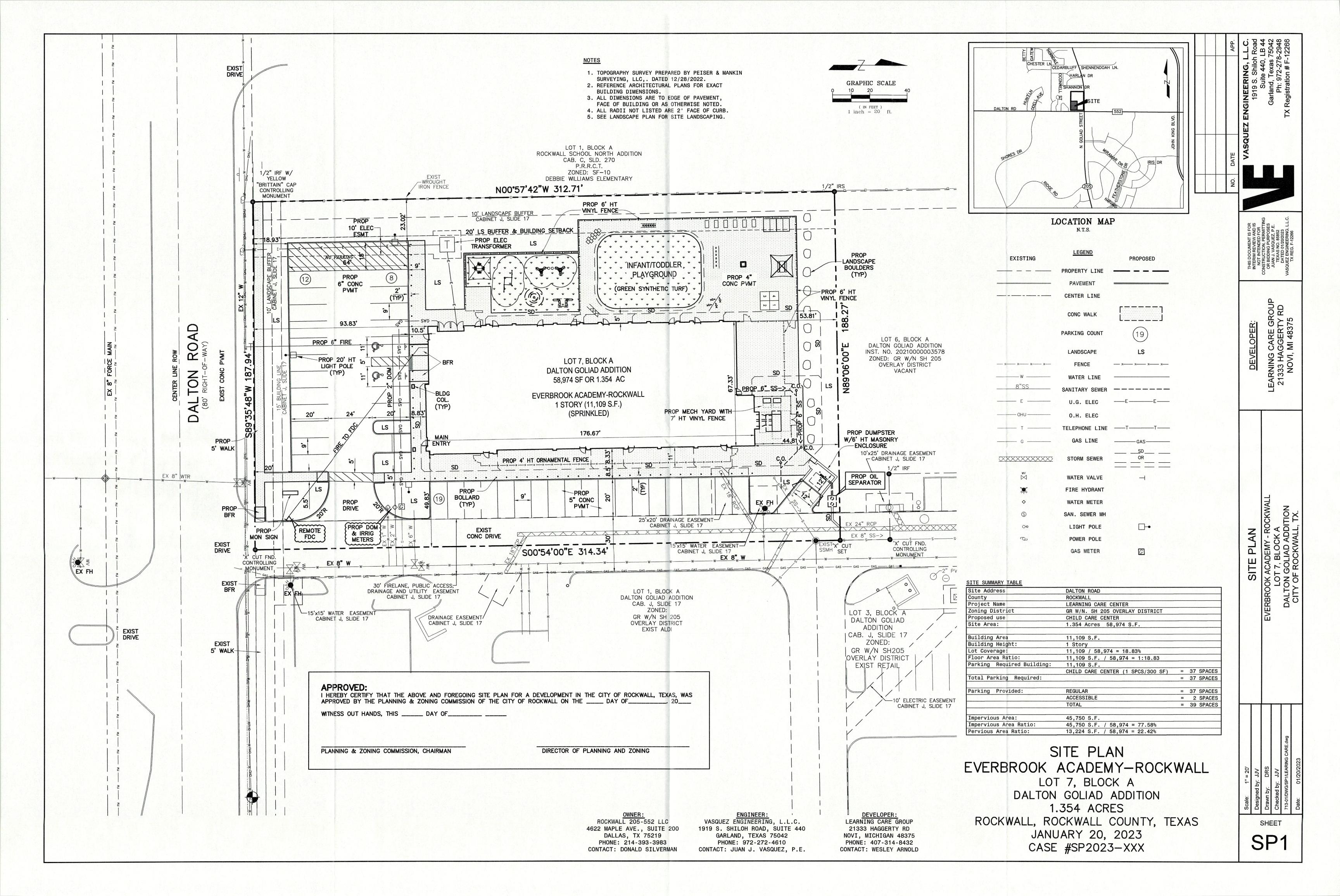


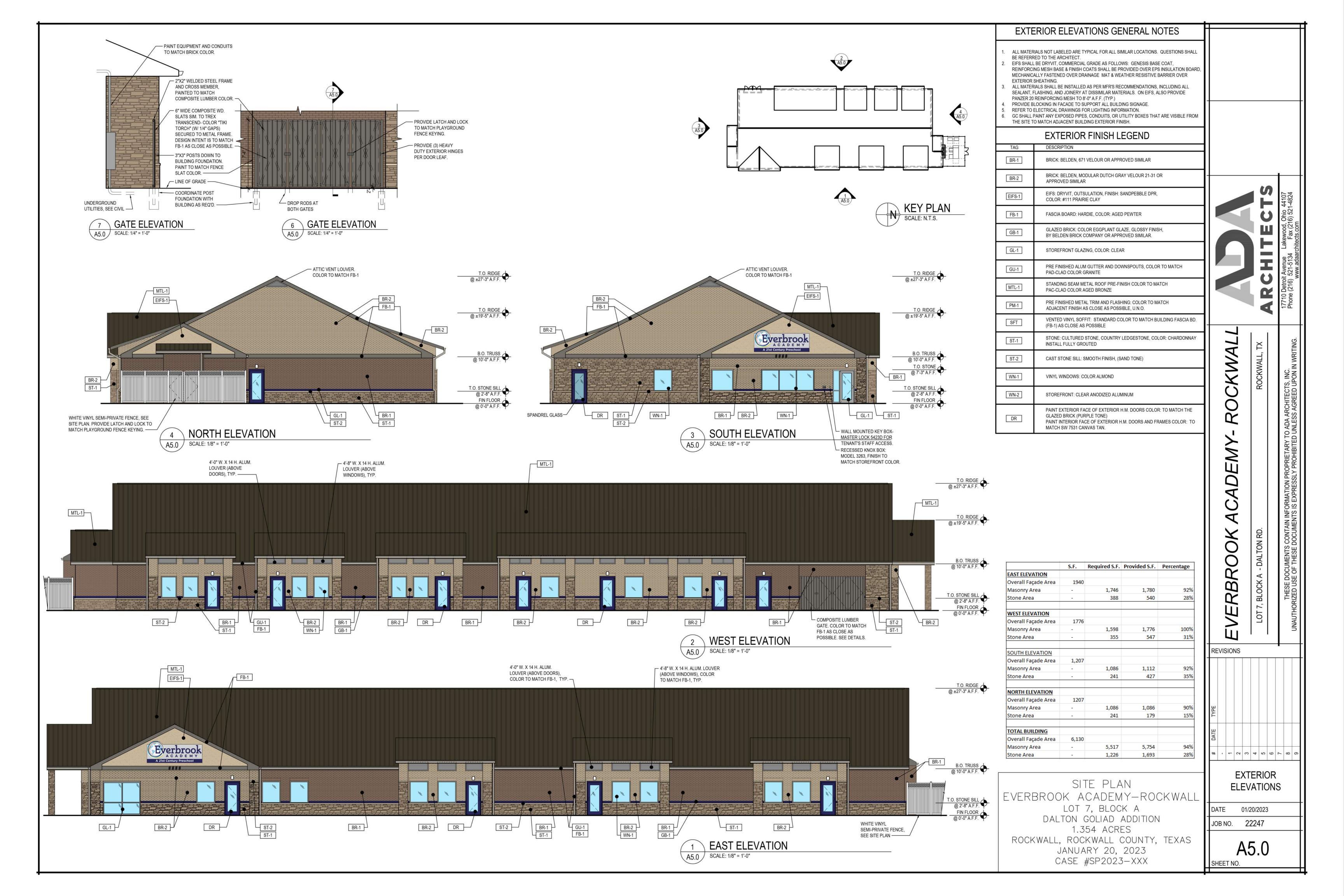


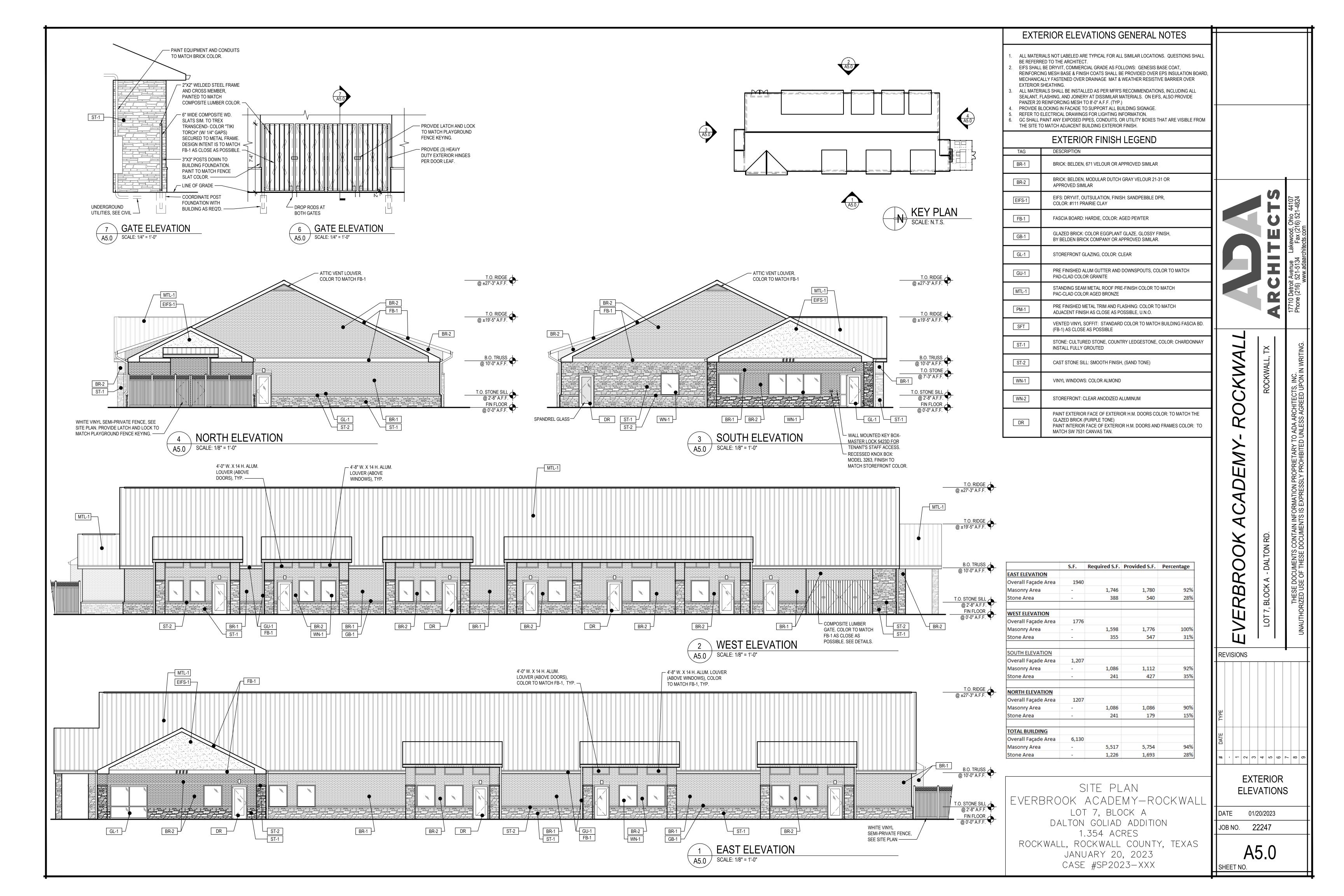
City of Rockwall Planning & Zoning Department 385 S. Goliad Street

Planning & Zoning Department 385 S. Goliad Street Rockwall, Texas 75087 (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.





















SITE PLAN

EVERBROOK ACADEMY - ROCKWALL
DALTON GOLIAD ADDITION
1.354 ACRES
ROCKWALL, ROCKWALL COUNTY, TEXAS
JANUARY 20, 2023
CASE# SP2023-XXX

PT-1			
	PT-1		

EXTERIOR FINISH LEGEND

DESCRIPTION BRICK: BELDEN, 671 VELOUR BRICK: BELDEN, MODULAR DUTCH GRAY **VELOUR 21-31** EIFS: DRYVIT, OUTSULATION, FINISH: EIFS-1 SANDPEBBLE DPR, COLOR: #111 PRAIRE CLAY FB-1 FASCIA BOARD: HARDIE, COLOR: AGED PEWTER GLAZED BRICK: BELDEN BRICK COMPANY GB-1 COLOR: EGGPLANT GLAZE STOREFRONT GLAZING, COLOR: CLEAR PRE FINISHED ALUM GUTTER AND GU-1 DOWNSPOUTS: PAC-CLAD, COLOR: GRANITE MTL-1 METAL ROOF: PAC-CLAD, COLOR: AGED BRONZE PAINT EXTERIOR FACE OF EXTERIOR H.M. PT-1 DOORS COLOR TO MATCH GB-1 CAST STONE: CULTURED STONE, COUNTRY LEDGESTONE, COLOR: CHARDONNAY CAST STONE SILL: SMOOTH FINISH (SAND TONE) VINYL WINDOWS, COLOR: SW7531 CANVAS TAN

CLEAR ANODIZED ALUMINUM STOREFRONT

APPLICANT INFORMATION

JIM KASSAY
ADA ARCHITECTS
17710 DETROIT AVE.
LAKEWOOD, OH 44107
(216) 521-5134
jkassay@adaarchitects.com

OWNER INFORMATION

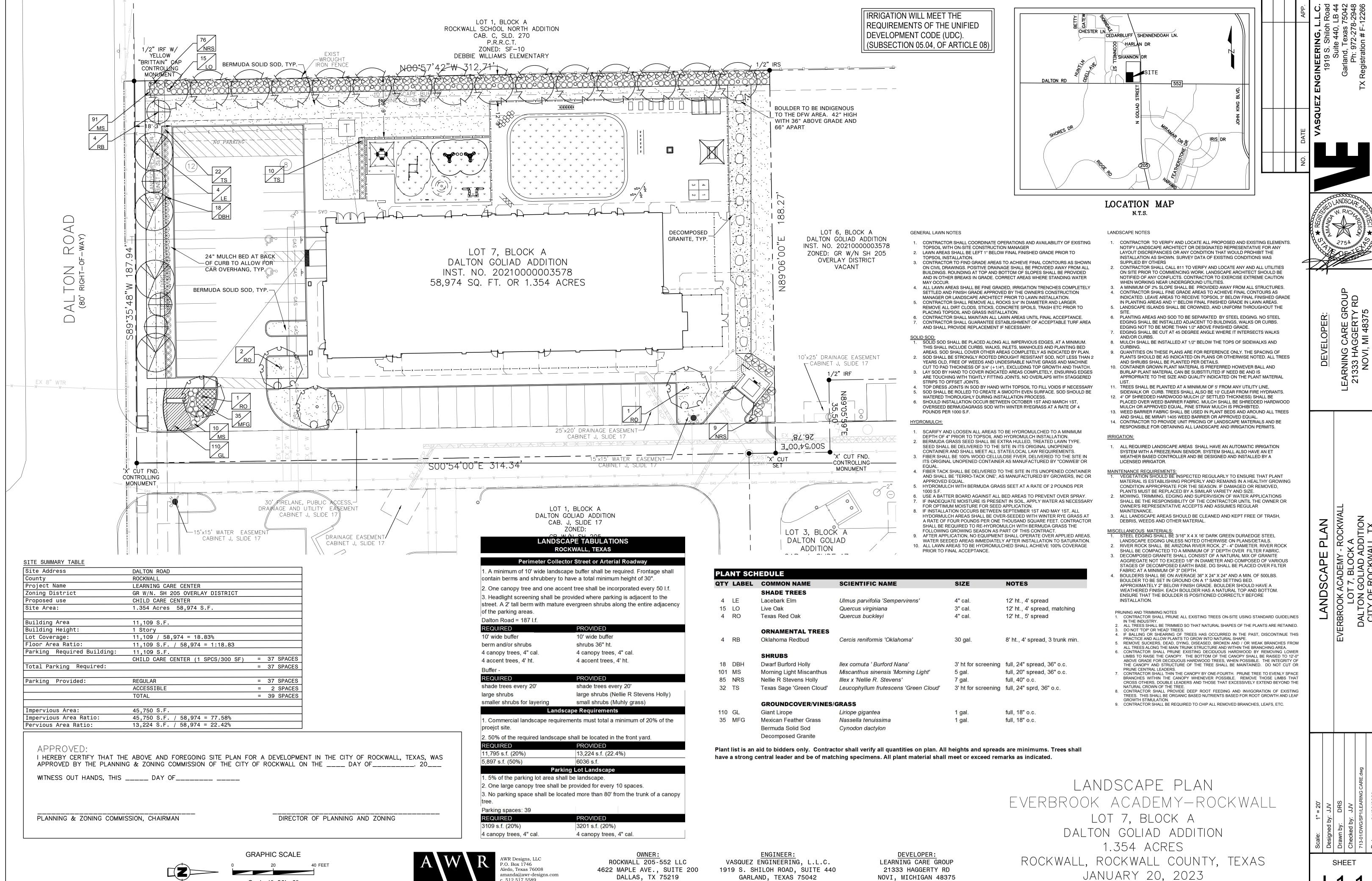
ROD BLIGHT LEARNING CARE GROUP INC. 21333 HAGGERTY RD, SUITE 300 NOVI, MI 48375 (248) 294-0473 rblight@learningcaregroup.com

PROJECT NAME:

EVERBROOK ACADEMY -ROCKWALL, TX CASE NUMBER:

DATE:

01/20/2023



DALLAS, TX 75219

CONTACT: DONALD SILVERMAN

PHONE: 214-393-3983

GARLAND, TEXAS 75042

PHONE: 972-272-4610

CONTACT: JUAN J. VASQUEZ, P.E.

NOVI, MICHIGAN 48375

PHONE: 407-314-8432

CONTACT: WESLEY ARNOLD

CASE #SP2023-XXX

SIDEWALKS, DRIVES AND CURBS. ALL AREAS TO RECEIVE SOLID SOD SHALL BE LEFT ONE INCH BELOW THE FINAL GRADE OF WALKS, DRIVES AND CURBS. NSTRUCTION DEBRIS SHALL BE REMOVED PRIOR TO LANDSCAPE CONTRACTOR BEGINNING WORK C. STORAGE OF MATERIALS AND EQUIPMENT AT THE JOB SITE WILL BE AT THE RISK OF THE LANDSCAPE CONTRACTOR. THE OWNER CANNOT BE HELD RESPONSIBLE FOR

1.7 SEQUENCING A. INSTALL TREES, SHRUBS, AND LINER STOCK PLANT MATERIALS PRIOR TO INSTALLATION OF LAWN/SOLID SOD.

B. WHERE EXISTING TURF AREAS ARE BEING CONVERTED TO PLANTING BEDS, THE FURF SHALL BE CHEMICALLY ERADICATED TO MINIMIZE RE-GROWTH IN THE FUTURE AREAS SHALL BE PROPERLY PREPARED WITH AMENDED ORGANIC MATTER. 1.8 MAINTENANCE AND GUARANTEE

A. THE LANDSCAPE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE

B. NO TREES, GRASS, GROUNDCOVER OR GRASS WILL BE ACCEPTED UNLESS THEY

D. A WRITTEN NOTICE REQUESTING FINAL INSPECTION AND ACCEPTANCE SHOULD BE SUBMITTED TO THE OWNER AT LEAST 7 DAYS PRIOR TO COMPLETION. AN ON SITE

E. NOTIFY OWNER OR OWNER'S REPRESENTATIVE SEVEN DAYS PRIOR TO THE

F. REMOVE DEAD, UNHEALTHY AND UNSIGHTLY PLANTS DURING WARRANTY PERIOD

H. ALL LANDSCAPE MUST BE MAINTAINED AND GRASS MOWED/EDGED ON A WEEKLY

SCHEDULE UNTIL ACCEPTANCE BY OWNER. REMOVE CLIPPINGS AND DEBRIS FROM

REMOVE TRASH, DEBRIS, AND LITTER. WATER, PRUNE, RESTAKE TREES, FERTILIZE

COORDINATE THE OPERATION OF IRRIGATION SYSTEM TO ENSURE THAT PLANTS

K. THE LANDSCAPE CONTRACTOR SHALL MAINTAIN THE IRRIGATION SYSTEM IN

M. SHOULD SEEDED AND/OR SODDED AREAS NOT BE COVERED BY AN AUTOMATIC

N. TO ACHIEVE FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD, ALL OF

HEALTHY PLANT MATERIAL PRIOR TO FINAL ACCEPTANCE.

A. TREES, SHRUBS, GROUNDCVOER SHALL BE GUARANTEED (IN WRITING) FOR A 12

B. PLANTS INCLUDING TREES, WHICH HAVE PARTIALLY DIED SO THAT SHAPE, SIZE OR

REPLACEMENT. IN SUCH CASES, THE OPINION OF THE OWNER SHALL BE FINAL.

A RESULT OF MAKING REPLACEMENTS SHALL BE IMMEDIATELY REPAIRED.

C. PLANTS USED FOR REPLACEMENT SHALL BE OF THE SAME SIZE AND KIND AS THOSE ORIGINALLY PLANTED OR SPECIFIED. ALL WORK INCLUDING MATERIALS

D. WHEN PLANT REPLACEMENTS ARE MADE PLANTS SOIL MIX FERTILIZER AND MULCH

E. THE OWNER AGREES THAT FOR THE ONE YEAR WARRANTY PERIOD TO BE

F THE ABOVE GUARANTEE SHALL NOT APPLY WHERE PLANTS DIE AFTER ACCEPTANCE

A. COMPLY WITH ALL FEDERAL, STATE, COUNTY AND LOCAL REGULATIONS

INJURY BY HUMANS, MACHINES, THEFT OR NEGLIGENCE BY OWNER. G. ACCEPTANCE FOR ALL LANDSCAPE WORK SHALL BE GIVEN AFTER FINAL

THE OWNER WILL ASSUME MAINTENANCE ON THE ACCEPTED WORK.

LABOR AND EQUIPMENT USED IN REPLACEMENTS SHALL CARRY A 12 MONTH

ARE TO BE UTILIZED AS ORIGINALLY SPECIFIED AND RE-INSPECTED FOR FULI

COMPLIANCE WITH THE CONTRACT REQUIREMENTS. ALL REPLACEMENTS ARE

EFFECTIVE, HE WILL WATER PLANTS AT LEAST TWICE A WEEK DURING DRY PERIODS

BECAUSE OF DAMAGE DUE TO ACTS OF GOD, VANDALISM, INSECTS, DISEASE

INSPECTION BY THE OWNER PROVIDED THE JOB IS IN A COMPLETE, UNDAMAGED

CONDITION AND THERE IS A STAND OF GRASS IN ALL LAWN AREAS. AT THAT TIME

LIARANTEE ANY DAMAGE INCLUDING RUTS IN LAWN OR BED AREAS INCURRED AS

AS WEATHER PERMITS AND UPON NOTIFICATION OF THE OWNER.

MONTH PERIOD (90 DAYS FOR ANNUAL PLANTING OR AT THE END OF THE

SEASONAL COLOR GROWING SEASON, WHICHEVER COMES SOONER) AFTER FINAL

ACCEPTANCE. THE CONTRACTOR SHALL REPLACE ALL DEAD MATERIALS AS SOON

b. ALL HARDSCAPE SHALL BE CLEANED PRIOR TO FINAL ACCEPTANCE.

ARE ADEQUATELY WATERED. HAND WATER AREAS NOT RECEIVING ADEQUATE

ACCORDANCE TO THE MAINTENANCE SERVICE TO ENSURE THE SYSTEM IS IN

PROPER WORKING ORDER WITH SCHEDULING ADJUSTMENTS BY SEASON TO MAXIMIZE WATER CONSERVATION.

IRRIGATION SYSTEM. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR

WATERING THESE AREAS AND OBTAINING A FULL, HEALTHY STAND OF GRASS AT NO

a. THE LANDSCAPE SHALL SHOW ACTIVE, HEALTHY GROWTH (WITH

c. SODDED AREAS MUST BE ACTIVELY GROWING AND MUST REACH A

EXCEPTIONS MADE FOR SEASONAL DORMANCY). ALL PLANTS NOT MEETING THIS CONDITION SHALL BE REJECTED AND REPLACED BY

MINIMUM HEIGHT OF 1 1/2 INCHES BEFORE FIRST MOWING.

HYDROMULCHED AREAS SHALL SHOW ACTIVE. HEALTHY GROWTH. BARE

AREAS LARGER THAN TWELVE SQUARE INCHES MUST BE RESODDED OR

RESEEDED (AS APPROPRIATE) PRIOR TO FINAL ACCEPTANCE. ALL SODDED

. MAINTENANCE SHALL INCLUDE WATERING OF TREES AND PLANTS, CULTIVATION,

WEED SPRAYING, EDGING, PRUNING OF TREES, MOWING OF GRASS, CLEANING UP

INSPECTION BY THE OWNER'S AUTHORIZED REPRESENTATIVE WILL BE COMPLETED

SHOW HEALTHY GROWTH AND SATISFACTORY FOLIAGE CONDITIONS

AND ALL OTHER WORK NECESSARY FOR MAINTENANCE.

G. REMOVE GUYING AND STAKING MATERIALS AFTER ONE YEAR

WEED AND APPLY HERBICIDES AND FUNGICIDES AS REQUIRED.

MAINTENANCE OF ALL WORK FROM THE TIME OF PLANTING UNTIL FINAL

MAINTENANCE:

ACCEPTANCE BY OWNER.

PRIOR TO WRITTEN ACCEPTANCE.

SITE PROMPTLY.

GUARANTEE

1.9 QUALITY ASSURANCE

EXPIRATION OF THE WARRANTY PERIOD.

WATER FROM AN IRRIGATION SYSTEM.

REAPPLY MULICH TO BARE AND THIN AREAS

THE FOLLOWING CONDITIONS MUST OCCUR

TURF SHALL BE NEATLY MOWED.

INCLUDED UNDER "WORK" OF THIS SECTION.

GOVERNING LANDSCAPE MATERIALS AND WORK.

APPROVED:

ADDITIONAL COST TO THE OWNER.

THE EXPENSE OF THE LANDSCAPE CONTRACTOR AND REPLACED WITH ACCEPTABLE SPECIMENS. TREES SHALL BE HEALTHY, FULL BRANCHED, WELL SHAPED AND SHALL MEET THE MINIMUM REQUIREMENTS AS SPECIFIED ON THE PLANT SCHEDULE. ALL TREES SHALL BE OBTAINED FROM SOURCES WITHIN 200 MILES OF THE PROJECT SITE IF

CONTRACT ACCEPTANCE TO SELECT AND BOOK MATERIALS.

SPECIFICATIONS.

A. PREPARATION

2.1 PLANT MATERIALS

DEVELOPMENT.

1.10 PRODUCT DELIVERY, STORAGE AND HANDLING

DESICCATION OF LEAVES.

CONFIRM ALL QUANTITIES ON PLAN.

TO BE OF SPECIMEN QUALITY.

BALL SHAPE AND PROTECT ROOT MASS.

DELIVERY OF PLANT MATERIAL AT JOB SITE.

DEVELOP A PROGRAM OF MAINTENANCE (PRUNING AND FERTILIZATION) WHICH

DO NOT MAKE PLANT MATERIAL SUBSTITUTIONS. IF THE LANDSCAPE MATERIAL

F. AT THE TIME BIDS ARE SUBMITTED, THE CONTRACTOR IS ASSUMED TO HAVE

RIGHT TO INSPECT MATERIALS UPON ARRIVAL TO THE SITE AND DURING

INSTALLATION. THE OWNER'S REPRESENTATIVE MAY ALSO REJECT ANY MATERIALS

HE/SHE FEELS TO BE LINSATISFACTORY OR DEFECTIVE DURING THE WORK

1. BALLED AND BURLAPPED B&B PLANTS): DIG AND PREPARE SHIPMENT IN A

MANNER THAT WILL NOT DAMAGE ROOTS, BRANCHES, SHAPE AND FUTURE

2. CONTAINER GROWN PLANTS: DELIVER PLANTS IN RIGID CONTAINER TO HOLD

1. DELIVER PACKAGED MATERIALS IN SEALED CONTAINERS SHOWING WEIGHT,

2 DELIVER ONLY PLANT MATERIALS THAT CAN BE PLANTED IN ONE DAY UNLESS

3 PROTECT ROOT BALLS BY HEELING IN WITH SAWDUST OR OTHER APPROVED

4. PROTECT PLANTS DURING DELIVERY TO PREVENT DAMAGE TO ROOT BALL OR

ANALYSIS AND NAME OF MANUFACTURER. PROTECT MATERIALS FROM

ADEQUATE STORAGE AND WATERING FACILITIES ARE AVAILABLE ON SITE

MOISTURE RETAINING MATERIAL IF NOT PLANTED WITHIN 24 HOURS OF

5. KEEP PLANTS MOIST AT ALL TIMES. COVER ALL MATERIALS DURING

6. NOTIFY OWNERS REPRESENTATIVE OF DELIVERY 72 HOURS PRIOR TO

8. TO AVOID DAMAGE OR STRESS, DO NOT LIFT, MOVE, ADJUST TO PLUMB, OR

GENERAL: WELL FORMED NO. 1 GRADE OR BETTER NURSERY GROWN STOCK.

LISTED PLANT HEIGHTS ARE FROM TOPS OF FOOT BALLS TO NOMINAL TOPS OF

PLANTS. PLANT SPREAD REFERS TO NOMINAL OUTER WIDTH OF THE PLANT NOT

THE OUTER LEAF TIPS. PLANTS SHALL BE INDIVIDUALLY APPROVED BY THE OWNERS

REPRESENTATIVE AND THEIR DECISION AS TO THEIR ACCEPTABILITY SHALL BE

AND CALLED FOR ON BOTH. THE PLANT SCHEDULE IS AN AID TO BIDDERS ONLY.

QUANTITIES AND SIZE: PLANT MATERIALS SHALL CONFORM TO THE SIZE GIVEN ON

ROOTED SYMMETRY IS ALSO IMPERATIVE PLANTS SHALL BE FREE FROM INSECTS

INJURY, DISEASE, BROKEN BRANCHES, DISFIGUREMENTS, INSECT EGGS AND ARE

APPROVAL: ALL PLANTS WHICH ARE FOUND UNSUITABLE IN GROWTH OR ARE

UNHEALTHY, BADLY SHAPED OR UNDERSIZED WILL BE REJECTED BY THE OWNERS

REPRESENTATIVE EITHER BEFORE OR AFTER PLANTING AND SHALL BE REMOVED AT

THE PLAN AND SHALL BE HEALTHY, WELL SHAPED, FULL BRANCHED AND WELL

3. QUANTITIES: THE DRAWINGS AND SPECIFICATIONS ARE COMPLIMENTARY.

7. REMOVE REJECTED PLANT MATERIAL IMMEDIATELY FROM JOB SITE.

OTHERWISE MANIPULATE PLANTS BY TRUNK OR STEMS

DETERIORATION DURING DELIVERY AND WHILE STORED ON SITE.

PROCESS. ALL PLANTS DAMAGED IN TRANSIT OR AT THE JOB SITE SHALL BE

LOCATED THE MATERIALS NECESSARY TO COMPLETE THE JOB AS SPECIFIED.

G. OWNER'S REPRESENTATIVE SHALL INSPECT ALL PLANT MATERIAL AND RETAINS THE

SPECIFIED IS NOT READILY AVAILABLE. SUBMIT PROOF TO LANDSCAPE ARCHITECT

ALONG WITH THE PROPOSED MATERIAL TO BE USED IN LIEU OF THE SPECIFIED

WILL ENSURE THE PURCHASED MATERIALS WILL MEET AND/OR EXCEED PROJECT

POSSIBLE. AND WITH SIMILAR CLIMACTIC CONDITIONS. F. PRUNING: ALL PRUNING OF TREES AND SHRUBS SHALL BE EXECUTED BY THE LANDSCAPE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER, PRIOR TO FINAL ACCEPTANCE. G. PLANTS SHALL CONFORM TO THE MEASUREMENTS SPECIFIED, EXCEPT THE PLANTS LARGER THAN THOSE SPECIFIED MAY BE USED. USE OF LARGER PLANTS SHALL NOT

INCREASE THE CONTRACT PRICE. H. WHERE MATERIALS ARE PLANTED IN MASSES, PROVIDE PLANTS OF UNIFORM SIZE ROOT SYSTEMS SHALL BE HEALTHY. DENSELY BRANCHED. FIBROUS ROOT SYSTEMS, NON-POT-BOUND, FREE FROM ENCIRCLING AND/OR GIRDLING ROOTS, AND FREE FROM ANY OTHER ROOT DEFECTS (SUCH AS J-SHAPED ROOTS).

ALL TREES SHALL BE STANDARD IN FORM, UNLESS OTHERWISE SPECIFIED. TREES WITH CENTRAL LEADERS WILL NOT BE ACCEPTED IF LEADER IS DAMAGED OR REMOVED. PRUNE ALL DAMAGED TWIGS AFTER PLANTING K. TREE TRUNKS TO BE STURDY, EXHIBIT HARDENED SYSTEMS AND VIGOROUS AND FIBROUS ROOT SYSTEMS, NOT ROOT OR POT BOUND.

TREES WITH DAMAGED OR CROOKED LEADERS, BARK ABRASIONS, SUNSCALD, DISFIGURING KNOTS, OR\INSECT DAMAGE WILL BE REJECTED. M. CALIPER MEASUREMENTS FOR STANDARD (SINGLE TRUNK) TREES SHALL BE AS LOWS: SIX INCHES ABOVE THE ROOT FLARE FOR TREES UP TO AND INCLUDING FOUR INCHES IN CALIPER, AND TWELVE INCHES ABOVE THE ROOT FLARE FOR REES EXCEEDING FOUR INCHES IN CALIPER

N. MULTI-TRUNK TREES SHALL BE MEASURED BY THEIR OVERALL HEIGHT, MEASURED FROM THE TOP OF THE ROOT BALL. . ANY TREE OR SHRUB SHOWN TO HAVE EXCESS SOIL PLACED ON TOP OF THE ROOT

P. SOD: PROVIDE WELL-ROOTED SOD OF THE VARIETY NOTED ON THE PLANS. SOD SHALL BE CUT FROM HEALTHY. MATURE TURF WITH SOIL THICKNESS OF 3/4" TO 11 EACH PALLET OF SOD SHALL BE ACCOMPANIED BY A CERTIFICATE FROM SUPPLIER STATING THE COMPOSITION OF THE SOD.

2.2 SOIL PREPARATION MATERIALS

1. FRIABLE, FERTILE, DARK, LOAMY SOIL, FREE OF CLAY LUMPS, SUBSOIL, STONES AND OTHER EXTRANEOUS MATERIAL AND REASONABLY FREE OF WEEDS AND FOREIGN GRASSES. LOAM CONTAINING DALLASGRASS OR NUTGRASS SHALL BE REJECTED 2. PHYSICAL PROPERTIES AS FOLLOWS:

a. CLAY – BETWEEN 7-27% b. SILT – BETWEEN 15-25% c. SAND - LESS THAN 52% 3. ORGANIC MATTER SHALL BE 3%-10% OF TOTAL DRY WEIGHT

4. IF REQUESTED, LANDSCAPE CONTRACTOR SHALL PROVIDE A CERTIFIED SOIL ANALYSIS CONDUCTED BY AN APPROVED SOIL TESTING LABORATOR VERIFYING THAT SANDY LOAM MEETS THE ABOVE REQUIREMENTS. ORGANIC MATERIAL: COMPOST WITH A MIXTURE OF 80% VEGETATIVE

MATTER AND 20% ANIMAL WASTE. INGREDIENTS SHOULD BE A MIX OF COURSE AND FINE TEXTURED MATERIAL. PREMIXED BEDDING SOIL AS SUPPLIED BY VITAL EARTH RESOURCES GLADEWATER, TEXAS; PROFESSIONAL BEDDING SOIL AS SUPPLIED BY LIVING EARTH TECHNOLOGY, DALLAS, TEXAS OR ACID GRO MUNICIPAL MIX AS SUPPLIED BY SOIL BUILDING SYSTEMS, DALLAS, TEXAS OR APPROVED EQUAL. D. SHARP SAND: SHARP SAND MUST BE FREE OF SEEDS, SOIL PARTICLES AND

E. MULCH: DOUBLE SHREDDED HARDWOOD MULCH, PARTIALLY DECOMPOSED ORGANIC FERTILIZER: FERTILAID, SUSTANE, OR GREEN SENSE OR EQUAL AS RECOMMENDED FOR REQUIRED APPLICATIONS. FERTILIZER SHALL DELIVERED TO THE SITE IN ORIGINAL UNOPENED CONTAINERS, EACH BEARING

THE MANUFACTURER'S GUARANTEED STATEMENT OF ANALYSIS. G. COMMERCIAL FERTILIZER: 10-20-10 OR SIMILAR ANALYSIS. NITROGEN SOURCE TO BE A MINIMUM 50% SLOW RELEASE ORGANIC NITROGEN (SCU OR UF) WITH A MINIMUM 8% SULFUR AND 4% IRON, PLUS MICRONUTRIENTS. H. PEAT: COMMERCIAL SPHAGNUM PEAT MOSS OR PARTIALLY DECOMPOSED

SHREDDED PINE BARK OR OTHER APPROVED ORGANIC MATERIAL.

2.3 MISCELLANEOUS MATERIALS A. STEEL EDGING - SHALL BE 3/16" X 4" X 16" DARK GREEN LANDSCAPE EDGING. DURAEDGE STEEL OR APPROVED EQUAL. B. TREE STAKING - TREE STAKING SOLUTIONS OR APPROVED SUBSTITUTE; REFER TO

C. FILTER FABRIC - MIRAFI 1405 BY MIRAFI INC. OR APPROVED SUBSTITUTE. AVAILABLE AT LONE STAR PRODUCTS, INC. (469-523-0444) D. SAND - UNIFORMLY GRADED, WASHED, CLEAN, BANK RUN SAND

B. EMPLOY PERSONNEL EXPERIENCED AND FAMILIAR WITH THE REQUIRED WORK AND E. GRAVEL: WASHED NATIVE PEA GRAVEL, GRADED 1" TO 1.5" F DECOMPOSED GRANITE - BASE MATERIAL OF NATURAL MATERIAL MIX OF GRANITE MAKE CONTACT WITH SUPPLIERS IMMEDIATELY UPON OBTAINING NOTICE OF AGGREGATE NOT TO EXCEED 1/8" IN DIAMETER COMPOSED OF VARIOUS STAGES OF

DECOMPOSED EARTH BASE. G. RIVER ROCK - LOCALLY AVAILABLE NATIVE RIVER ROCK BETWEEN 2"-4" IN DIAMETER. H PRE-EMERGENT HERBICIDES: ANY GRANULAR NON-STAINING PRE-EMERGENT HERBICIDE THAT IS LABELED FOR THE SPECIFIC ORNAMENTALS OR TURF ON WHICH IT WILL BE UTILIZED. PRE-EMERGENT HERBICIDES SHALL BE APPLIED PER THE MANUFACTURER'S LABELED RATES.

PART 3 - EXECUTION 3.1 PREPARATION

A. LANDSCAPE CONTRACTOR TO INSPECT ALL EXISTING CONDITIONS AND REPORT ANY DEFICIENCIES TO THE OWNER. B. ALL PLANTING AREAS SHALL BE CONDITIONED AS FOLLOWS: 1. PREPARE NEW PLANTING BEDS BY SCRAPING AWAY EXISTING GRASS AND WEEDS AS NECESSARY TILL EXISTING SOIL TO A DEPTH OF SIX (6") NCHES PRIOR TO PLACING COMPOST AND FERTILIZER. APPLY FERTILI

AS PER MANUFACTURER'S RECOMMENDATIONS. ADD SIX (6") INCHES OF COMPOST AND TILL INTO A DEPTH OF SIX (6") INCHES OF SPECIFIED MULCH (SETTLED THICKNESS). 2. BACKFILL FOR TREE PITS SHALL BE AS FOLLOWS: USE EXISTING TOP SOIL ON SITE (USE IMPORTED TOPSOIL AS NEEDED) FREE FROM LARGE CLUMPS, ROCKS, DEBRIS, CALICHE, SUBSOILS, ETC., PLACED IN NINE (9") INCH LAYERS AND WATERED IN THOROUGHLY.

C. GRASS AREAS: 1. BLOCKS OF SOD SHOULD BE LAID JOINT TO JOINT (STAGGERED JOINTS) AFTER FERTILIZING THE GROUND FIRST. ROLL GRASS AREAS TO ACHIEVE A SMOOTH, EVEN SUBFACE. THE JOINTS BETWEEN THE BLOCKS OF SOD SHOULD BE FILLED WITH TOPSOIL WHERE THEY ARE GAPED OPEN, THEN WATERED THOROUGHLY.

3.2 INSTALLATION A. MAINTENANCE OF PLANT MATERIALS SHALL BEGIN IMMEDIATELY AFTER EACH PLANT IS DELIVERED TO THE SITE AND SHALL CONTINUE UNTIL ALL

CONSTRUCTION HAS BEEN SATISFACTORILY ACCOMPLISHED. B. PLANT MATERIALS SHALL BE DELIVERED TO THE SITE ONLY AFTER THE BEDS ARE PREPARED AND AREAS ARE READY FOR PLANTING. ALL SHIPMENTS OF NURSERY MATERIALS SHALL BE THOROUGHLY PROTECTED FROM THE WINDS DURING TRANSIT. ALL PLANTS WHICH CANNOT BE PLANTED AT ONCE, AFTER DELIVERY TO THE SITE SHALL BE WELL PROTECTED AGAINST THE POSSIBILITY OF DRYING BY WIND AND BALLS OF EARTH OF B & B PLANTS SHALL BE KEPT COVERED WITH SOIL OR OTHER ACCEPTABLE MATERIAL. ALL PLANTS REMAIN THE PROPERTY OF THE CONTRACTOR UNTIL FINAL ACCEPTANCE. C. POSITION THE TREES AND SHRUBS IN THEIR INTENDED LOCATION AS PER D. NOTIFY THE OWNER'S AUTHORIZED REPRESENTATIVE FOR INSPECTION AND

APPROVAL OF ALL POSITIONING OF PLANT MATERIALS. E. EXCAVATE PITS WITH VERTICAL SIDES AND HORIZONTAL BOTTOM. TREE PITS SHALL BE LARGE ENOUGH TO PERMIT HANDLING AND PLANTING WITHOUT INJURY TO BALLS OF EARTH OR ROOTS AND SHALL BE OF SUCH DEPTH THAT, WHEN PLANTED AND SETTLED, THE CROWN OF THE PLANT SHALL BEAR THE SAME RELATIONSHIP TO THE FINISH GRADE AS IT DID TO SOIL SURFACE IN ORIGINAL PLACE OF GROWTH. THE SIDES OF THE HOLE SHOULD BE ROUGH AND JAGGED, NEVER SLICK OR GLAZED. SHRUB AND TREE PITS SHALL BE NO LESS THAN TWENTY-FOUR (24") INCHES WIDER THAN THE LATERAL DIMENSION OF THE EARTH BALL AND SIX (6") INCHES DEEPER THAN IT'S VERTICAL DIMENSION, REMOVE AND HAUL FROM SITE ALL ROCKS AND STONES OVER THREE-QUARTER (3/4") INCH IN DIAMETER. PLANTS SHOULD BE THOROUGHLY MOIST BEFORE REMOVING CONTAINERS.

NOT PERCOLATE WITHIN 24 HOURS. THE TREE NEEDS TO MOVE TO ANOTHER LOCATION OR HAVE DRAINAGE ADDED. INSTALL A PVC STAND PIPE PER TREE IF THE PERCOLATION TEST FAILS. BACKFILL ONLY WITH 5 PARTS EXISTING SOIL OR SANDY LOAM AND 1 PART BED PREPARATION. WHEN THE HOLE IS DUG IN SOLID ROCK, TOPSOIL FROM THE SAME AREA SHOULD NOT BE USED. CAREFULLY SETTLE BY WATERING O PREVENT AIR POCKETS. REMOVE THE BURLAP FROM THE TOP $rac{1}{3}$ OF THE BALL AS WELL AS ALL NYLON, PLASTIC STRING AND WIRE CONTAINER TREES WILL USUALLY BE ROOT BOUND, IF SO FOLLOW STANDARD NURSERY PRACTICE OF 'ROOT SCORING I. DO NOT WRAP TREES.

G. PERCOLATION TEST: FILL THE HOLE WITH WATER. IF THE WATER LEVEL DOES

J. DO NOT OVER PRUNE. K. REMOVE NURSERY TAGS AND STAKES FROM ALL PLANTS REMOVE BOTTOM OF PLANT BOXES PRIOR TO PLACING PLANTS. REMOVE SIDES AFTER PLACEMENT AND PARTIAL BACKFILLING. M. REMOVE UPPER THIRD OF BURLAP FROM BALLED AND BURLAPPED TREES AFTER

N. PLACE PLANT UPRIGHT AND PLUMB IN CENTER OF HOLE. ORIENT PLANTS FOR BEST O. MULCH THE TOP OF THE BALL. DO NOT PLANT GRASS ALL THE WAY TO THE TRUNK OF THE TREE. LEAVE THE AREA ABOVE THE TOP OF THE BALL AND MULCH WITH AT LEAST TWO (2") INCHES OF SPECIFIED MULCH. P ALL PLANT BEDS AND TREES TO BE MULCHED WITH A MINIMUM SETTLED

THICKNESS OF TWO (2") INCHES OVER THE ENTIRE BED OR PIT. Q. OBSTRUCTION BELOW GROUND: IN THE EVENT THAT ROCK, OR ENCOUNTERED IN ANY PLANT PIT EXCAVATION WORK TO BE DONE UNDER THIS SECTION, ALTERNATE LOCATIONS MAY BE SELECTED BY THE OWNER. WHERE LOCATIONS CANNOT BE CHANGED, THE OBSTRUCTIONS SHALL BE REMOVED TO A DEPTH OF NOT LESS THAN THREE (3') FEET BELOW GRADE AND NO LESS THAN SIX (6") INCHES BELOW THE BOTTOM OF BALL WHEN PLANT IS PROPERLY SET AT THE REQUIRED GRADE. THE WORK OF THIS SECTION SHALL INCLUDE THE REMOVAL FROM THE SITE OF SUCH ROCK OR UNDERGROUND OBSTRUCTIONS ENCOUNTERED AT THE COST OF THE

LANDSCAPE CONTRACTOR. R. TREES AND LARGE SHRUBS SHALL BE STAKED AS SITE CONDITIONS REQUIRE S. PRUNING AND MULCHING: PRUNING SHALL BE DIRECTED BY THE LANDSCAPE HORTICULTURAL PRACTICE FOLLOWING FINE PRUNING, CLASS I PRUNING STANDARDS PROVIDED BY THE NATIONAL ARBORIST ASSOCIATION. 1. DEAD WOOD, SUCKERS, BROKEN AND BADLY BRUISED BRANCHES

SHALL BE REMOVED. GENERAL TIPPING OF THE BRANCHES IS NOT PERMITTED. DO NOT CUT TERMINAL BRANCHES PRUNING SHALL BE DONE WITH CLEAN, SHARP TOOLS. IMMEDIATELY AFTER PLANTING OPERATIONS ARE COMPLETED. ALL TREE PITS SHALL BE COVERED WITH A LAYER OF ORGANIC MATERIAL TWO
(2") INCHES IN DEPTH. THIS LIMIT OF THE ORGANIC MATERIAL FOR TREES SHALL BE THE DIAMETER OF THE PLANT PIT.

Q. STEEL EDGE INSTALLATION: EDGE SHALL BE ALIGNED AS INDICATED ON PLANS. STAKE OUT LIMITS OF STEEL CURBING AND OBTAIN OWNERS

APPROVAL PRIOR TO INSTALLATION. 1 ALL STEEL CURRING SHALL BE FREE OF KINKS AND ARRUPT BENDS. TOP OF EDGING SHALL BE ½" MAXIMUM HEIGHT ABOVE FINAL

3. STAKES ARE TO BE INSTALLED ON THE PLANTING BED SIDE OF THE CURBING, AS OPPOSED TO THE GRASS SIDE. 4. DO NOT INSTALL STEEL EDGING ALONG SIDEWALKS OR CURBS. CUT STEEL EDGING AT 45 DEGREE ANGLE WHERE EDGING MEETS SIDEWALKS OR CURBS.

3.3 CLEANUP AND ACCEPTANCE

A. CLEANUP: DURING THE WORK, THE PREMISES SHALL BE KEPT NEAT AND ORDERLY AT ALL TIMES. STORAGE AREAS FOR ALL MATERIALS SHALL BE SO ORGANIZED SO THAT THEY, TOO, ARE NEAT AND ORDERLY. ALL TRASH AND DEBRIS SHALL BE REMOVED FROM THE SITE AS WORK PROGRESSES. KEEP PAVED AREAS CLEAN BY SWEEPING OR HOSING THEM AT END OF EACH WORK B. REPAIR RUTS, HOLES AND SCARES IN GROUND SURFACES.

C. ENSURE THAT WORK IS COMPLETE AND PLANT MATERIALS ARE IN VIGOROUS AND HEALTHY GROWING CONDITION D. UPON COMPLETION OF THE WORK, THE LANDSCAPE CONTRACTOR SHALL PROVIDE THE SITE CLEAN, FREE OF DEBRIS AND TRASH, AND SUITABLE FOR USE AS INTENDED. THE LANDSCAPE CONTRACTOR SHALL THEN REQUEST AN INSPECTION BY THE OWNER TO DETERMINE FINAL ACCEPTABILITY. E. WHEN/IF THE INSPECTED PLANTING WORK DOES NOT COMPLY WITH THE CONTRACT

REJECTED WORK TO THE OWNER'S SATISFACTION WITHIN 24 HOURS. F. THE LANDSCAPE MAINTENANCE PERIOD WILL NOT COMMENCE UNTIL THE LANDSCAPE WORK HAS BEEN RE-INSPECTED BY THE OWNER AND FOUND TO BE ACCEPTABLE. AT THAT TIME, A WRITTEN NOTICE OF FINAL ACCEPTANCE WILL BE ISSUED BY THE OWNER, AND THE MAINTENANCE AND GUARANTEE PERIODS WILL COMMENCE.

END OF SECTION

SEE DETAIL A DRIVE ANCHOR STRAIGHT DOWN INTO REMOVE DRIVE ROD SET TREE IN PLANTING PIT • REPEAT STEPS 1 & 2 FOR ALL THREE (3) ANCHOR LOCATIONS UNDISTURBED SUBBASE SOIL PLACE ANCHOR WITH RING SIDE DOWN AGAINST TOP OF ROOT SEE CHART FOR RECOMMENDED DEPTHS PULL BACK ON STRAP APPROXIMATELY 3" FOR THE V-68 ANCHOR, OR 6" TO 7" FOR THE V-88 ANCHOR TO SET ANCHOR INTO A HORIZONTAL OR LOCKED CENTER ROOT ANCHOR'S INNER RING(S) AROUND TRUNK OF TREE POSITION. A FULCRUM MAY BE REQUIRED TO ASSIST IN SETTING THE ALIGN DRIVE ROD AS CLOSE AS POSSIBLE TO OUTSIDE EDGE OF U-BRACKET PLACE "S" HOOK OVER THE END OF THE U-BRACKET PULL STRAP UP VERTICALLY UNTIL ROOT ANCHOR RINGS BITE INTO THE TOP OF THE ROOT BALL AND U-BRACKETS ARE SETTING FLUSH ON TOP OF TREE STAKE SOLUTIONS, LLC. THE ROOT BALL Phone: 281-778-1400 9973 FM 521 Road TIE EXCESS STRAP OFF TO THE U-BRACKET ALLOWING ENOUGH REMAINING Mobile: 903-676-6143 Rosharon, Texas 77583 STRAP TO ADJUST TREE, IF NECESSARY www.treestakesolutions.com Fax: 281-778-1425 SHRUBS OR GROUNDCOVER AS SPECIFIED ON PLAN TOP OF MULCH SHOULD BE. AT MINIMUM, 1/2" BELOW ¬ LAYER OF MULCH WALK OR CURBING SHOULD BE 2" MIN. CURB OR SIDEWALK, NO STEEL EDGING ROOT BALL, DO NOT ALONG WALK, TYP PLANTING SOIL MIX. TILL IN WITH PARTS EXISTING SOIL, EXCLUDING LARGE CLODS AND ROCKS. REF. LANDSCAPE
PLAN FOR SPACING UNDISTURBED SUBGRADE / NATIVE SOIL

PLANTING HOLE

- TREE ROOT BAL

ROOT ANCHOR

TREE TRUNK

— U-BRACKET

---- "S" HOOK

PLAN

PRIVE ROD

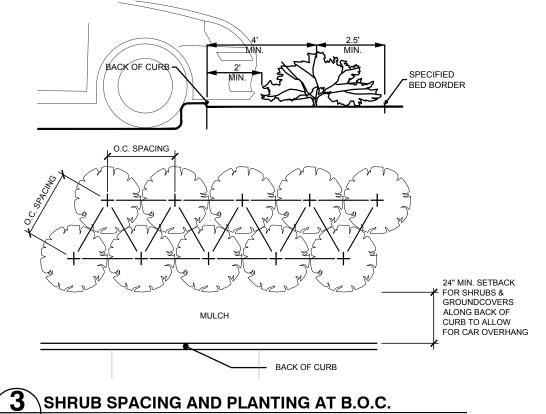
DETAIL A

95 / 100 Gallon or 36" root ball 30 - 36" Minimum Depth

150 Gallon or 42" root ball

Root Balls larger than 60"

2 \SHRUB PLANTING



ROCKWALL 205-552 LLC 4622 MAPLE AVE., SUITE 200 DALLAS, TX 75219

PHONE: 214-393-3983

CONTACT: DONALD SILVERMAN

VASQUEZ ENGINEERING, L.L.C. 1919 S. SHILOH ROAD, SUITE 440 GARLAND, TEXAS 75042 PHONE: 972-272-4610 CONTACT: JUAN J. VASQUEZ, P.E.

DEVELOPER: LEARNING CARE GROUP 21333 HAGGERTY RD NOVI, MICHIGAN 48375 PHONE: 407-314-8432 CONTACT: WESLEY ARNOLD

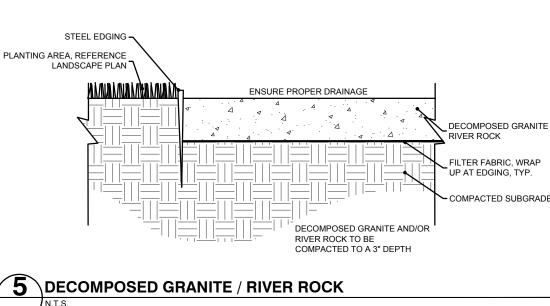
PREPARED SOIL MIX PER SPECIFICATIONS MULCH PER SPECIFICATIONS 3/16" X 4" X 16" STEEL EDGING WITH NOTE: NO STEEL EDGING TO BE INSTALLED ALONG f 4 STEEL EDGING DETAIL

CEDARBLUFF SHENNENDOAH LN.

LOCATION MAP

SHRUBS AND GROUNDCOVER

REFER TO PLANS FOR PLANT TYPES



LANDSCAPE SPECIFICATIONS AND DETAILS EVERBROOK ACADEMY-ROCKWALL LOT 7, BLOCK A DALTON GOLIAD ADDITION 1.354 ACRES ROCKWALL, ROCKWALL COUNTY, TEXAS JANUARY 20, 2023 CASE #SP2023-XXX

IRIS DR

AND SPECIFICATIONS ANDSCAPE

SHEET

APPROVED BY THE PLANNING & ZONING COMMISSION OF THE CITY OF ROCKWALL ON THE ____ DAY OF_____. 20___ WITNESS OUT HANDS, THIS _____ DAY OF_____ ___ PLANNING & ZONING COMMISSION, CHAIRMAN DIRECTOR OF PLANNING AND ZONING

I HEREBY CERTIFY THAT THE ABOVE AND FOREGOING SITE PLAN FOR A DEVELOPMENT IN THE CITY OF ROCKWALL, TEXAS, WAS

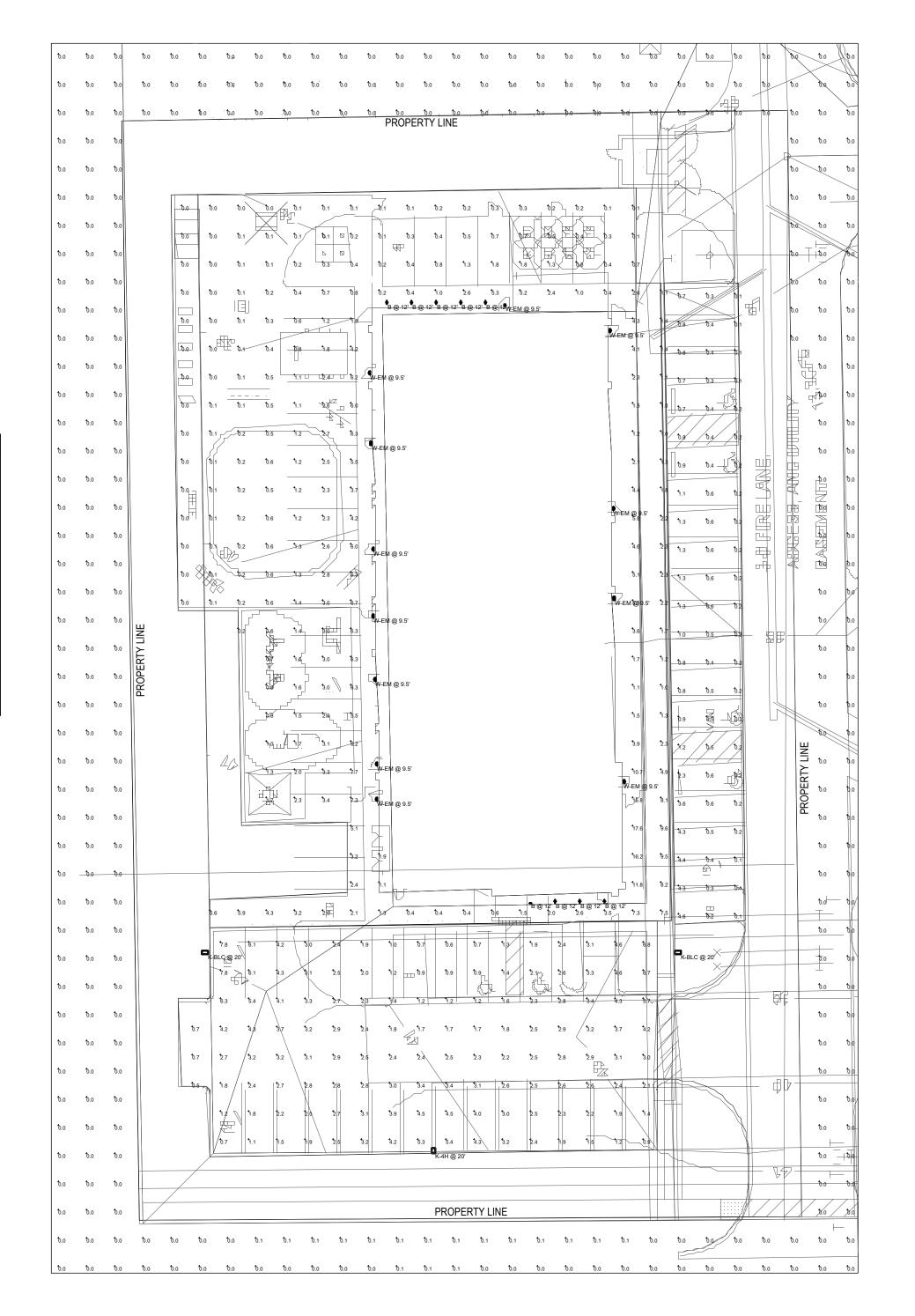


Statistics					
Description	Avg	Max	Min	Max/Min	Avg/Min
Pedestrian Walkways and Fenced Area	2.0 fc	17.6 fc	0.0 fc	N/A	N/A
Plan East Row Parking @ 0" AFF	0.8 fc	4.6 fc	0.1 fc	46.0:1	8.0:1
Plan South Parking lot @ 0" AFF	2.8 fc	7.8 fc	0.5 fc	15.6:1	5.6:1
Property Boundary @ 0" AFF	0.0 fc	0.1 fc	0.0 fc	N/A	N/A

Schedule										
Symbol	Label	Quantity	Manufacturer	Catalog Number	Lamp	Filename	Lumens Per Lamp	Light Loss Factor	Description	Wattage
	В	9	SIGNIFY LIGHTING - LIGHTOLIER	P6RDL10835CLZ10U	LED	P6RDL30835CLZ10U.ie s	3257	0.567	LYTEPROFILE 6 INCH ROUND - File derated for 2000 lumens and 0.85 LLF	30.3
	K-4H	1	SIGNIFY GARDCO	ECF-S-48L-1A-NW-G2-4-HIS	(3) LEDGINE SLD LIGHT ARRAY(S) DRIVEN AT 1050mA	ECF-S-48L-1A-NW-G2- 4-HIS.ies	14912	0.85	EcoForm Area LED ECF - Small, 48 LED's, 4000K CCT, TYPE 4-HIS OPTIC, House-side Internal Shielding	158.7
	K-BLC	2	PHILIPS GARDCO	ECF-S-48L-1A-NW-G2-BLC	(3) LEDGINE SLD LIGHT ARRAY(S) DRIVEN AT 1050mA	ECF-S-48L-1A-NW-G2- BLC.ies	14544	0.85	EcoForm Area LED ECF - Small, 48 LED's, 4000K CCT, TYPE BLC OPTIC,	156.3489
	W-EM	12	Barron Lighting Group	WLZ4-4-4K	12 white LEDs with optics attached to each	WLZ4-4-4K (1).IES	4286	0.85	Formed black metal housing	41.0529

SITE SUMMARY TABLE

SITE SUMMARY TABLE				
Site Address	DALTON ROAD			
County	ROCKWALL			
Project Name	LEARNING CARE CENTER			
Zoning District	GR W/N. SH 205 OVERLAY DISTRICT			
Proposed use	CHILD CARE CENTER			
Site Area:	1.354 Acres 58,974 S.F.			
Building Area	11,109 S.F.			
Building Height:	1 Story			
Lot Coverage:	11,109 / 58,974 = 18.83%			
Floor Area Ratio:	11,109 S.F. / 58,974 = 1:18.83			
Parking Required Building:	11,109 S.F.			
	CHILD CARE CENTER (1 SPCS/300 SF)	=	37	SPACES
Total Parking Required:		=	37	SPACES
Parking Provided:	REGULAR	=	37	SPACES
	ACCESSIBLE	=	2	SPACES
	TOTAL	=	39	SPACES
Impervious Area:	45,750 S.F.			
Impervious Area Ratio:	45,750 S.F. / 58,974 = 77.58%			
Pervious Area Ratio:	13,224 S.F. / 58,974 = 22.42%			



SITE PLAN

EVERBROOK ACADEMY-ROCKWALL

LOT 7, BLOCK A

DALTON GOLIAD ADDITION

1.354 ACRES

ROCKWALL, ROCKWALL COUNTY, TEXAS

JANUARY 20, 2023

CASE #SP2023-XXX

tesengineering.com

AC, 12 K PRC EVERBROOK REVISIONS PHOTOMETRIC PLAN DATE 01/20/2023 JOB NO. 22247

E0.1

SHEET NO.

LIGHTOLIER

by (s) ignify

Downlighting

LyteProfile







LyteProfile downlights and wall washers provide a perfect balance of functionality with glare control. The robust and versatile UniFrame frame-in kit makes changes and updates easy to manage and install. Ideal for use in a variety of applications including open office, institutional, healthcare, and retail.

Project:
Location:
Cat.No:
Type:
Oty:
Notes:

Standard luminaire = Frame + Engine/Trim + Accessories (optional)

Buy American Act of 1933 (BAA)** Compliant luminaire* = Frame-BAC + Engine/Trim-BAC

* BAA compliance requires that BAC option be selected for each of frame and engine/trim.

Frame and engine/trim will be ordered/shipped together (ex: 4RN-BAC-Z4RDL20835WOCDZ10U-BAC).

Accessories (optional) are not currently BAA-compliant.

_	· ·	
Frame	Standard example: 6RN	BAC example: 6RN-BAC

Series 6	Aperture R	Installation	Options		
6 Uniframe 6-inch Non-IC	R Round	N New construction (Non-IC)	Universal 120/277/347V¹ Chicago Plenum EM6 Emergency, 6W Self-Test/Self-Diagnostic (not available for BAC)²	3 RADIO BAC	347V (for non-0-10v configurations) Integral Interact Pro RF sensor (120/277/347V) (enables wireless connected lighting control) ³ Meets the requirements of the Buy American Act of 1933 (BAA)**
		R Remodeler (Non-IC)	- Universal 120/277/347V1	3	347V (for non-Z10 configurations)
		A AirSeal (IC)	- Universal 120/277/347V ¹	BAC	Meets the requirements of the Buy American Act of 1933 (BAA)**

Light Engine / Trim

Standard example: P6RDL20835CDZ10U | BAC example: P6RDL20835CDZ10U-BAC

Series	Style	Lumen	CRI/CCT	Reflector	Flange	Dimming	Voltage	Options
P6R LyteProfile 6-inch Round downlight	DL Downlight LW Lensed Wall Wash SL Shower light ⁴ (non-conductive lens)	10 1000 lm 15 1500 lm 20 2000 lm 25 2500 lm 30 3000 lm 35 3500 lm	827 80CRI / 2700K 830 80CRI / 3000K 835 80CRI / 3500K 840 80CRI / 4000K 850 80CRI / 5000K	CL Specular clear CC Comfort clear CD Comfort clear diffuse WH White (matte) BK Black (matte)	White (matte) B Black (matte) P Polished (matches aperture) White (matte) B Black (matte)	Z10 0-10V 1% L Lutron LDE1 EcoSystem (fade-to-black)	U 120/277V 3 347V ^{5.6} (0-10v only) U 120/277/ 347V	- None R Retrofit (not compatible with IEM6) IEM6 Trim mounted EM test switch BAC Meets the
				WHAMF White (gloss antimicrobial)	- White (gloss)	P Power over Ethernet (PoE)	E Ethernet 48 V DC	requirements of the Buy American Act
	ı			ı		Only compatible w 2500 (25) lumen		of 1933 (BAA)*

Accessories (Not currently BAA-compliant - learn more on page 2)

SBA Interact Ready System Bridge Accessory with integral occupancy and daylight sensor (compatible with all 0-10V options, see SBA spec sheet) Field installable Bodine BSL6 6W battery pack with self-test/self-diagnostic for use with new construction frames, 120-277V 6" sloped ceiling adapter (refer to SCA spec sheet for slope options)

AMS ActiLume multi-sensor (optional accessory for PoE configurations)

- Universal 120-347V is for 0-10v (Z10) dimming configurations only.
 For 347V non-Z10 dimming, order 347V (3) frame with (U) light engine/trim.
- Emergency (EM6) frame is compatible with reflector mounted test switch when light engine is ordered with IEM6 option code (not compatible with 347V or Power over Ethernet configurations).
- Interact Pro (RADIO) requires above ceiling access.
- 4. Shower light (SL) in only available with White (WH) reflector finish.
- 5. Specify standard UNV frame for use with 347V light engines
- 6. The 347V light engine voltage option is only available with Z10 dimming option. For other dimming protocols order UNV (U) light engine and 347V (3) frame.
- 7. Requires IRT9015 IR remote and Interact Pro App for commissioning.
- 8. IEM6 option available on DL style only.











^{**} Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.

Round Downlight & Lensed Wall Wash

Features

Optics

- · Provides a 60° cutoff (physical and reflected)
- · Wide beam distribution for general illumination
- Spun and anodized reflectors available in specular (clear), semi-specular (comfort clear and diffuse finishes. Also available in white and black painted finishes.

Quality of light

- · Consult factory for RAL finishes
- · Color consistency: 3 SDCM
- · 80 CRI minimum

Construction (New Construction)

- · Galvanized stamped steal for dry / plaster ceilings.
- · Pre-installed telescoping mounting bars (13"-24")
- Frame accommodates C- channel, black iron, and 3/4" EMT for mounting distances greater than 24" between joists.
- Manufactured from 20 gage galvanized steel construction with rolled edge aperture to guide cutting tools for perfect hole cutting.

Max ceiling thickness is 2" (51 mm). Including PoE frame 4.88" (124 mm).

Patented install Mounting frame

- Pre-installed mounting bars allow for fast and tool-less install into T-grid & hat channel ceilings
- Close-cut aperture design eliminates an undesired gap between ceiling material and reflector.
- Simple plug-and-play connection between frame and light engine from below the ceiling allows for:
- Easy upgrades
- · Technology changes
- · Repairs and troubleshooting

Dimming

- Advance 0-10V 1% dimming
- Lutron Hi-lume EcoSystem H Series 1% dimming
- EldoLED ECOdrive Dali 1% dimming
- EldoLED SOLOdrive 0-10V 0.1% dimming
- EldoLED DMX POWERdrive

Light engine

Quick connect power pack allow for easy installation and replacement from below ceiling with no need for additional wiring. This allows for:

- Frame and ceiling installation to be performed while still finalizing details such as lumen packages, CCT and control type.
- Easy replacement of electronics at end of life with minimal wasted material and labor required.
- · Ease and upgradability of technology.
- · Lumen Maintenance: L80 at 60,000 hours.
- 347V light engines are 0-10v dimming only and include dedicated 347V driver for use with universal 120/277/347V (U) frames. For 347V and non-0-10v dimming, order (U) light engine and 347V (3) frame (includes step down transformer).

Emergency

Bodine BSL6 6W battery pack with self-test/diagnostic functionality. Factory or field mounted to frame.

- For trim with integral emergency test switch, order light engine with IEM6 option (ex: P6RDL20835CDZ10UIEM6).
 DL or SL styles only.
- For remote ceiling mounted test switch, order standard light engine (ex: P6RDL20835CDZ10U).
 Optional accessory ceiling mounting plate available (CAEM6TSCP) for remote mounted test switch.
- Refer to Calculite-LyteProfile-EasyLyte Emergency Battery Pack specification sheet for more details.

Retrofit

 Easily updates legacy LyteProfile LED downlights to the latest technology. Includes light engine, trim, and driver mounted on cover plate that mounts to previous generations of LyteProfile LED luminaires. Order with R option code at end of light engine/trim catalog number.

Power over Ethernet

Powered via Philips PoE lighting controller: complies with FCC rules per Title 47 part 15 (Class A) for EMI / RFI (conducted & radiated). PoE lighting controller accessible from below ceiling.

Options and Accessories

Sloped ceilings: Compatible with sloped ceiling adapters (see SCA spec sheet).

Field Installed Emergency: Refer to Calculite-LyteProfile-EasyLyte Emergency Battery Pack specification sheet for more details.

CAEM6: Field install EM6 kit with Bodine BSL6 6W battery pack with self-test/self-diagnostic, mounts to new construction frames. Includes remote ceiling plate for test switch. To mount test switch to trim for new construction frame, order light engine with IEM6 option code (e.g. P6RDL20835CDZ10UIEM6).

CAEM6TSCP: Ceiling cover plate for remote mounted EM6 test switch. 1/2" (25mm) hole, 4 3/8" (109mm) x 2 3/4" (69mm) rectangular. Includes two mounting screws.

ENERGY STAR® exceptions

- 500lm configurations
- Black finishes
- PoE drivers

Labels and Listings

- cULus listed for wet locations
- CCEA (frames with *LC suffix)
- ENERGY STAR® certified
- RoHS certified

Warranty



5 year limited warranty

Visit Signify.com/warranties for more information on Signify's standard 5-year limited warranty on complete luminaire systems.

Finishes



Specular clear

Most specular and therefore most efficient finish, delivers maximum photometric performance but can produce a mirror image effect of the interior space.



Comfort clear

Semi-specular finish that softens the light at the source of the reflector and creates a subtle, even luminance from the reflector cone.



Comfort clear diffuse

Slightly diffuse clear finish, which eliminates iridescence and reduces the mirror image effect inherent with a specular finish.



White

Brightest aperture when illuminated and provides the smoothest transition to most ceilings when off (white is only available with a white flange).



Black

Specular finish that provides the lowest aperture brightness possible and reduces source identification in a ceiling significantly (black is only available with a black flange).

Round Downlight & Lensed Wall Wash

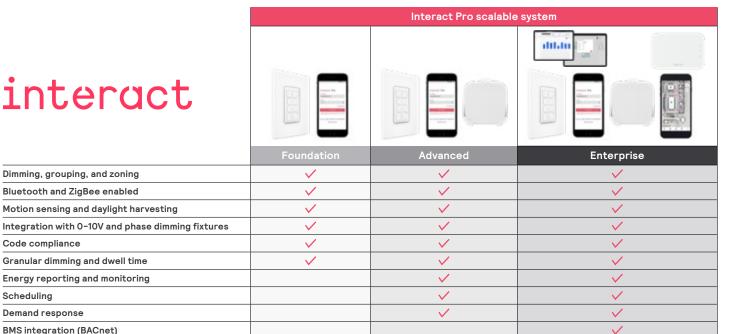
interact

Dimming, grouping, and zoning Bluetooth and ZigBee enabled Motion sensing and daylight harvesting

Granular dimming and dwell time Energy reporting and monitoring

Code compliance

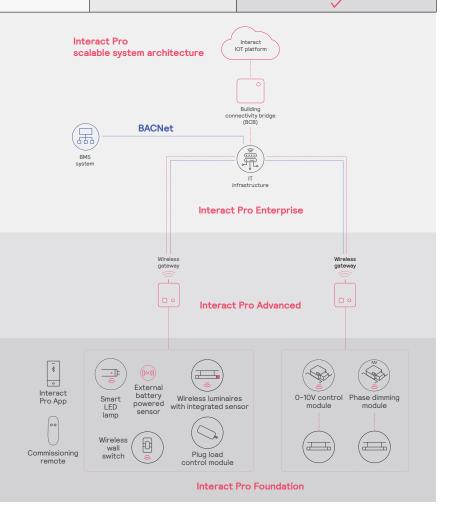
Scheduling Demand response BMS integration (BACnet) Floor plan visualization IoT sensors for wellness IoT Apps for productivity



Currently supported maximum system size

To be able to design the lighting system correctly for the customer, it is important to know the prime characteristics of the system, its possibilities and limitations.

System level	
Total number of gateways	Unlimited
Total number of devices	200 per network
luminaires with integrated sensors	150
• smart TLEDS	150
Total number of ZGP devices (sensors and switches)	50
· sensors	30
· switches	50
· zones and groups	64
Group level	
Recommended number of lights	40 (recommended 25)
Number of ZGP devices	5
Number of scenes	16



Round Downlight & Lensed Wall Wash

Wireless Controls Options

Interact Pro scalable sensor (System Bridge Accessory with -CS option):

- CS is a connected sensor with integral occupancy and daylight sensing and supports wireless mesh connectivity.
- The sensor works in the Foundation mode (similar to SpaceWise) when configured without a gateway or in an Interact Pro Advanced or Enterprise mode if a compatible gateway is used.
- Interact Pro includes an App, a portal and a broad portfolio of wireless luminaires, lamps and retrofit kits all working on the same system.
- Startup is implemented via Interact Pro App (Android or iPhone) & BlueTooth connectivity.
 The App provides flexibility to choose between a gateway or non gateway mode for setup.
- Setup with the gateway requires wired internet access to the gateway. It is possible to add a gateway at a later point.
- Prepare project configuration steps remotely and use IRT9015 remote onsite to identify and group devices together.
- · Compatible with:
 - UID8451/10 wireless dimmer switch
 - SWS200 wireless scene switch
 - Battery powered IP42 presence sensor OCC sensor IA CM WH 10/1
 - Battery powered IP42 presence & daylight sensor OCC-DL sensor IA CM IP42 WH
 - Battery powered IP65 presence sensor OCC sensor IA CM IP65 WH
 - Battery powered IP65 presence & daylight sensor OCC-DL sensor IA CM IP65 WH
- For more information on Interact Pro visit: www.interact-lighting.com/ interactproscalablesystem.

Interact Pro Enterprise (System Bridge Accessory with -SB option):

- A wireless IoT connected lighting solution for large enterprises that span across multiple floors, buildings and require multiple gateways.
- View all your projects under one dashboard and easily compare insights from multiple projects in one view.
- Compatible with UID8451/10 wireless dimmer switch, SWS200 wireless scene switch, wireless Occ sensor (OCC SENSOR IA CM IP42 WH 10/1) and wireless Day/Occ sensor (OCC MULTI SENSOR IA CM WH 10/1) and wireless Occupancy or Daylight & Occupancy sensors available.
- Use Interact software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- SB option in addition to occupancy and daylight sensing supports advanced IoT capabilities such as people estimation analysis, desk level temperature & humidity sensing, noise classification, and BLE beacon.
- Requires compatible Gateway and internet connectivity for commissioning.
- For more information, visit: www.interact-lighting.com/office or www.usa.lighting.philips.com/systems/systemareas/offices.

Emergency Options (ER100) (System Bridge Accessory with -ER100 option):

- Power Sensing (Factory default) Recommended UL924 option requires unswitched power sense line, absence of voltage on the normal circuit triggers luminaire to 100% output
- Power Interruption Detection (Field option) –
 Detects AC power interruption >30ms triggers
 90 minute emergency mode with luminaire at
 100% output

Radio only sensor (RADIO):

- Integral RADIO only sensor simply enables wireless mesh connectivity to the luminaire without any occupancy or daylight sensing.
- Ideal for applications where sensing functionality is managed by other Interact devices and the luminaire only needs to have wireless connectivity.

Wired Controls Options

Interact Office Wired (PoE):

- PoE based IoT connected lighting solution for large enterprises that span across multiple floors, buildings and require multiple gateways.
- Use Interact Office software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- Supports advanced IoT Apps on Personal Control, Space Management, wayfinding, room/ desk reservation and offers open APIs for light control and data exchange.
- ${\boldsymbol{\cdot}}$ PoE lighting controller is accessible from below.
- Integral sensor option for occupancy sensing (PIR) and/or daylight harvesting available for additional energy savings.

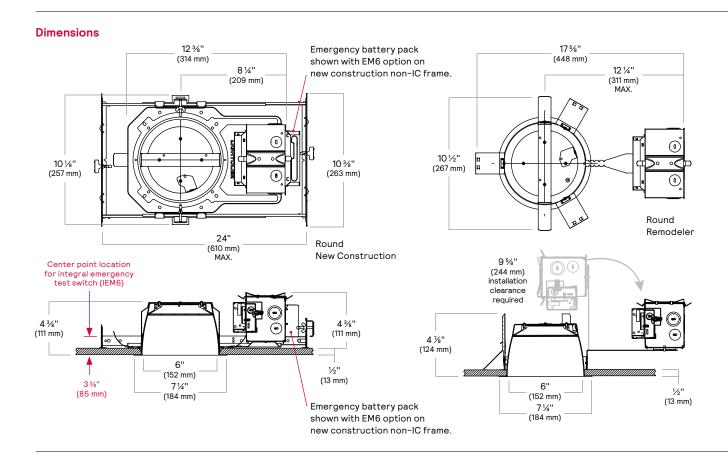
- Optional integral emergency controller and battery pack provides 600lm nominal output.
- Test switch and indicator light mounted on side of chassis on one end.
- Emergency battery has a 3 month pre-installed shelf life, and must be stored and installed in environments of 20C to 30C (-4F to 86F) ambient, and 45-85% relative humidity.
- For more information on Interact Office Wired, visit: www.interact-lighting.com/office or www.usa.lighting.philips.com/systems/systemareas/offices.

Interact Office Wired (PoE), Static White:

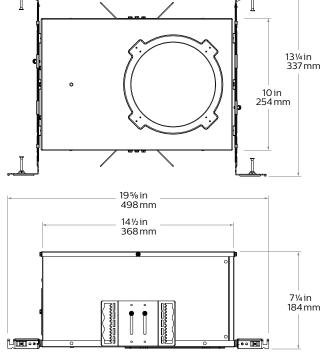
 A wireless IoT connected lighting solution for large enterprises that span across multiple floors, buildings and require multiple gateways.

- View all your projects under one dashboard and easily compare insights from multiple projects in one view.
- Compatible Zigbee Green Power wall dimmer and wireless Occupancy or Daylight & Occupancy sensors available.
- Use Interact Office software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- Supports advanced IoT Apps on wayfinding, room/desk reservation and offers open APIs
- Requires compatible Interact Office Gateway and internet connectivity for commissioning.
- For more information on Interact Office
 Wireless, visit: www.interact-lighting.com/
 office or www.usa.lighting.philips.com/systems/
 system-areas/offices.

Round Downlight & Lensed Wall Wash



AirSeal (A)

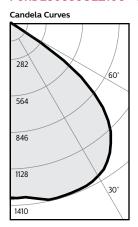


Electrical

Product	Input Volts	Input Frequency	Input Current (A)	Input Power (W)
D0+40+7401140	120	50 (0011	0.083	10
P6*10*Z10U/3	277	50/60Hz	0.038	10
D0+4F+740U/0	120	F0/0011-	0.125	15
P6*15*Z10U/3	277	50/60Hz	0.061	15
D0+00+74011/0	120	50 (0011	0.17	21
P6*20*Z10U/3	277	50/60Hz	0.078	21
D0+05+74011/0	120	50 (0011	0.21	25
P6*25*Z10U/3	277	50/60Hz	0.096	26
D0+00+74011/0	120	50 (0011	0.27	32
P6*30*Z10U/3	277	50/60Hz	0.12	33
P6*35*Z10U/3	120	50,0011	0.32	38
	277	50/60Hz	0.14	37
	120	50,000	0.093	10
P6*10*LU	277	50/60Hz	0.046	10
D0+45+111	120	50 (0011	0.13	15
P6*15*LU	277	50/60Hz	0.07	15
	120	50,000	0.175	20
P6*20*LU	277	50/60Hz	0.085	21
D0+05+111	120	F0 (001)	0.21	25
P6*25*LU	277	50/60Hz	0.099	25
	120	50 (00)	0.274	31
P6*30*LU	277	50/60Hz	0.122	31
	120	50,000	0.32	36
P6*35*LU	277	50/60Hz	0.14	37

Round Downlight & Lensed Wall Wash

P6RDL30835CLZ10U • 30W LED, 80 CRI, 3500 K



Angle	Mean CP	Lumens
0	1361	
5	1362	131
10	1391	
15	1408	398
20	1403	
25	1397	644
30	1372	000
35 40	1316 1218	820
40 45	1073	816
50	852	010
55	506	428
60	60	
65	12	17
70	6	
75	3	4
80	2	_
85 90	1	1
90	١	

65	12
70	6
75	3
80	2
85	1
90	0

Report¹: 1552GFR

3258 lms Spacing Criterion: 1.5 101° Beam Angle: Input Watts²: 30.3W

Efficacy: CCT3: CRI:

107.5 lm/w 3500 K 80min

Single unit data

	Initial center beam foot-candles	Beam dia. (ft)*
5' 6' 7'	54 38 28	7.5' 9.0' 10.5'
9'	21 17	12.0' 13.5'

* Beam diameter is where foot-candles drop to 50% of maximum.

Multiple unit data - RCR 2

Spacing on center	Initial center bear foot-candles	
5'	141.2	1.34
6'	92.7	0.88
7'	66.2	0.63
8'	55.2	0.52
9'	44.1	0.42

38'x38'x10' Room, Workplane 2.5' above floor, 80/50/20% Reflectances

Coefficients of utilization

Ceilin	ıg		80)%		70	70% 50% 30%		70% 50% 30%)%	0%
Wall		70	50	30	10	50	10	50	10	50	10	0
RCR		Zona	l cavi	ity me	ethod	- Eff	ectiv	e floc	r refl	ectai	nce =	20%
Room Cavity Ratio	0 1 2 3 4 5 6 7 8 9	119 112 104 97 90 83 77 72 67 62 58	119 108 98 88 80 72 65 60 55 50 46	119 105 93 82 72 64 58 52 47 43 39	119 102 88 77 67 59 52 46 42 38 34	116 106 96 87 78 71 65 59 54 50 46	116 101 87 76 66 58 52 46 41 37 34	111 102 93 84 76 69 63 57 53 48	111 98 85 75 66 58 51 46 41 37	106 98 90 81 74 67 61 56 51 47	106 95 83 73 65 57 51 46 41 37	100 90 80 70 62 55 49 44 39 35 32

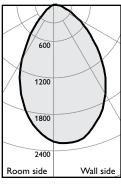
Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	1173.33	36.0%
0-40	1993.21	61.2%
0-60	3236.94	99.3%
0-90	3258.47	100.0%

CRI and CCT adjustment factors

90 CRI 2700K = 84% 80 CRI 2700K = 100% 80 CRI 3000K = 100% 80 CRI 3500K = 105% 80 CRI 4000K = 109%

P6RLW30835CLPZ10U • 30W LED, 80 CRI, 3500 K



Report ¹ :	1560GFR
Efficacy:	104.6 lm/w
Output lumens:	3177 lms
Input watts2:	30.3 W
CRI:	80 min
CCT 3:	3500K

Multiple unit data Footcandles on wall

	_		
	6	3' on ctr	. 💍
1	74	48	74
∯ 2	111	91	111
n fee 3	96	90	96
Distance from ceiling in feet 7 0 6 8 2 9 9 7 8 8 7	74	72	74
<u>≒</u> 5	56	56	56
ပို့ 6	43	44	43
E 7	35	35	35
£ 8	29	29	29
ည် 9	24	24	24
10 ل ة	21	21	21
<u>≤</u> 12	17	17	17
14	15	15	15

Multiple unit data Footcandles on wall

	3	from wa	all
	40	3' on ctr	. 💍
Distance from ceiling in feet 7 10 6 8 4 9 9 7 8 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	28 56 69 67 59 50 42 36 31 27 21 18	25 54 67 67 59 50 42 36 31 27 21	28 56 69 67 59 50 42 36 31 27 21
14	10	10	18

Multiple unit data Footcandles on wall

_				
_		3	from wa	all
		40	4' on ctr	. 💍
	1	24	18	24
	0 2	46	38	46
	9 2 3	55	49	55
	. <u>.</u> ნ 4	52	49	52
	<u>≒</u> 5	46	45	46
	ပိ 6	38	38	38
	E 7	33	33	33
	£ 8	28	28	28
	စ္တိ 9	24	24	24
	no څ	21	21	21
	Distance from ceiling in feet 5 0 6 8 2 9 5 7 5 7 6 8 6 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	17	17	17
	14	14	15	14

- 1. Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.
- 2. Wattage: controlled to within 5%
- 3. Correlated Color Temperature: within specs as defined in ANSI_NEMA_ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.



not form part of any quotation or contract, unless otherwise agreed by Signify



by (Signify

EcoForm

Site & Area

ECF-S small area light





Gardco EcoForm Gen-2 combines economy with performance in an LED area luminaire. Capable of delivering up to 27,800 lumens or more in a compact, low profile LED luminaire, EcoForm offers a new level of customer value. EcoForm features an innovative retrofit arm kit, simplifying site conversions to LED by eliminating the need to drill additional holes in most existing poles. Integral control systems available for further energy savings. Includes Service Tag, our innovative way to provide assistance throughout the life of the product.

roject:	
ocation:	
Cat.No:	
ype:	
amps:	Qty:
l-+	

Ordering guide

example: ECF-S-64L-900-NW-G2-AR-5-120-HIS-MGY

Prefix ECF		Numb	er of LEDs	Drive Cu	urrent	LED Color -	- Generation	Mountii	ng	Distribu	tion				Voltage	
ECF-	S EcoForr site and area, sm		32 LEDs (2 modules) 48 LEDs (3 modules) 64 LEDs (4 modules)	700 1A 1.2A 900 1A 1.2A ¹⁹	365 mA 530 mA 700 mA 1050 mA 1200 mA 1050 mA 1200 mA	CW-G2	Warm White 3000K, 70 CRI Generation 2 Neutral White 4000K, 70 CRI Generation 2 Cool White 5000K, 70 CRI Generation 2	moun must separ	Arm Mount (standard) collowing ting kits be ordered ately (See sories) Slip Fitter Mount (fits to 23/s" O.D. tenon) Wall mount with surface conduit rear entry permitted Retrofit arm mount kit	Type 2 2 2-90 2-270 Type 3 3 3-90 3-270 Type 4 4 4-90 4-270 Type 5 5 5W	Type 2 Rotated left 90° Rotated right 270° Type 3 Rotated left 90° Rotated right 270° Type 4 Rotated left 90° Rotated right 270°	BLC BLC-90 BLC-270 LCL ¹⁹	Auto Front Row Auto Front Row Rotated left 90 Auto Front Row Rotated right 2' Back Light Cont rotated at 90° Back Light Cont rotated at 270° LEED Corner Optic Left LEED Corner Optic Right	//, /o° //, /70° /trol trol	120 208 240 277 347 480 UNV	120V 208V 240V 277V 347V 480V 120-277V (50/60Hz) 347-480V (50/60Hz)

0-10V External dimming (for controls by others) Dual Circuit Control Field Adjustable Wattage Selector Integral wireless module Bi-level functionality SR driver connected to Zhaga socket er: Automatic Profile Dimming Safety 50% Dimming, 7 hours	IMRI3 ¹⁵ Integral with #3 lens IMRI7 ¹⁶ Integral with #7 lens	PCB ^{8,9} TLRD5 ^{10,17} TLRD7 ^{10,17} TLRPC ^{9,10,11,1}	Photocontrol Button Twist Lock Receptacle 5 Pin Twist Lock Receptacle 7 Pin 7 Twist Lock Receptacle w/ Photocell	F1º Single (120, 277, 347VAC) F2º Double (208, 240, 480VAC) Pole Mount Fusing FP1º Single (120, 277, 347VAC) FF2º Double (208, 240, 480VAC) FP3º Canadian Double Pull (208, 240, 480VAC)	Square Pole Adapter included in standard product TB ¹² Terminal Block RPA ¹³ Round Pole Adapter (fits to 3"- 3.9" O.D. pole) HIS ¹⁴ Internal House Side Shield	Texture BK WH BZ DGY MGY Custon RAL	Black White Bronze Dark Gray Medium Gray mer specified Specify optional color or RAL
•		TEM O	Receptacle w/	'		CC	

- BL-IMRI3/7 equipped with out-boarded sensor housing when voltage is HVU (347-480V)
- 2. Mounts to a 4" round pole with adapter included for square poles.
- 3. Limited to a maximum of 45 degrees aiming above horizontal.
- ${\bf 4.} \ \ {\bf Not\ available\ with\ other\ dimming\ control\ options}.$
- 5. Not available with motion sensor.
- 6. Not available with photocontrol.7. Must specify a motion sensor lens.
- 8. Not available in 347 or 480V
- 9. Must specify input voltage.

- 10. TLRD5, TLRD7 and TLRPC receptacle pins 4 & 5 are capped off when ordered with any of the Dimming controls DD or FAWS or LLC.
- Not available in 480V. Order photocell separately with TLRD5/7.
- 12. Not available with DCC.
- Not available with SF and WS. RPAs provided with black finish standard.
- HIS not available with Type 5, 5W, BLC, BLC-90, BLC-270, LCL or RCL optics.
- 15. Not available with DD, DCC, and FAWS dimming control options.
- 16. Not available with DD, DCC, FAWS and LLC dimming
- 17. When ordering SRDR, controller (by others) to be used on socket must be SR compatible (See specifications for more details). Consult factory for lead time. All 7 pins in NEMA receptacle are connected to SR driver. SRDR not available with TLRD5 or TLRPC.
- 18. O-10V dimming driver standard.
- 19. LCL and RCL not available with 48L-1.2A or 64L-1A.









Area luminaire

EcoForm Accessories²¹ (ordered separately, field installed)

Shielding Accessories

Footnotes

20. Not available with Type 5 or 5W optics

21. Consult Signify to confirm whether specific accessories are BAA-compliant.

House Side shield

Standard optic orientation:

HIS-32-H 20 Internal House Side Shield for 32 LEDs (2 modules) HIS-48-H 20 Internal House Side Shield for 48 LEDs (3 modules)

 $HIS-64-H^{20}$ Internal House Side Shield for 64 LEDs (4 modules)

Optic at 90 or 270 orientation:

HIS-32-V 20 Internal House Side Shield for 32 LEDs (2 modules)

HIS-48-V ²⁰ Internal House Side Shield for 48 LEDs (3 modules)

HIS-64-V 20 Internal House Side Shield for 64 LEDs (4 modules)

Luminaire Accessories

ECF-BD-G2 ECF-RAM-G2-(F)

Bird deterrent

Retrofit Arm mount kit

ECF-SF-G2-(F) ECF-WS-G2-(F)

Slip Fitter Mount (fits to 2 3/8" O.D. tenon) Wall mount with surface conduit rear entry permitted

EcoForm PTF2

(pole top fitter fits 23/8-21/2" OD x 4" depth tenon)

PTF2-ECF-S/L-1-90-(F) 1 luminaire at 90°

PTF2-ECF-S/L-2-90-(F) 2 luminaires at 90°

PTF2-ECF-S/L-2-180-(F) 2 luminaires at 180°

PTF2-ECF-S/L-3-90-(F) 3 luminaires at 90°

EcoForm PTF3 (pole top fitter fits 3-31/2" OD x 6" depth tenon)

PTF3-ECF-S/L-1-90-(F) 1 luminaire at 90°

PTF3-ECF-S/L-2-90-(F) 2 luminaires at 90° PTF3-ECF-S/L-2-180-(F) 2 luminaires at 180° PTF3-ECF-S/L-3-90-(F) 3 luminaires at 90°

PTF2-ECF-S/L-4-90-(F) 4 luminaires at 90° PTF3-ECF-S/L-4-90-(F) 4 luminaires at 90° PTF2-ECF-S/L-3-120-(F) 3 luminaires at 120° PTF3-ECF-S/L-3-120-(F) 3 luminaires at 120° (F) = Specify finish

EcoForm PTF4

(pole top fitter fits 31/2-4" OD x 6" depth tenon)

PTF4-ECF-S/L-1-90-(F) 1 luminaire at 90° PTF4-ECF-S/L-2-90-(F) 2 luminaires at 90° PTF4-ECF-S/L-2-180-(F) 2 luminaires at 180° PTF4-ECF-S/L-3-90-(F) 3 luminaires at 90° PTF4-ECF-S/L-4-90-(F) 4 luminaires at 90° PTF4-ECF-S/L-3-120-(F) 3 luminaires at 120°

Ready to Go configurations (when ordered with the "RS-" catalog code, the following configurations will ship in 2 weeks):

Catalog Number	12NC
RS-ECF-S-32L-1A-NW-G2-AR-3-UNV-BZ	912401466002
RS-ECF-S-32L-1A-NW-G2-AR-3-UNV-MGY	912401466003
RS-ECF-S-32L-1A-NW-G2-AR-3-UNV-BK	912401534554
RS-ECF-S-32L-1A-NW-G2-AR-4-UNV-BZ	912401466004
RS-ECF-S-32L-1A-NW-G2-AR-4-UNV-MGY	912401466005
RS-ECF-S-32L-1A-NW-G2-AR-4-UNV-BK	912401534555
RS-ECF-S-32L-1A-NW-G2-AR-5-UNV-BZ	912401466006
RS-ECF-S-32L-1A-NW-G2-AR-5-UNV-MGY	912401466007
RS-ECF-S-32L-1A-NW-G2-AR-5-UNV-BK	912401534556
RS-ECF-S-48L-1A-NW-G2-AR-3-UNV-BZ	912401466008
RS-ECF-S-48L-1A-NW-G2-AR-3-UNV-MGY	912401466009
RS-ECF-S-48L-1A-NW-G2-AR-3-UNV-BK	912401534557
RS-ECF-S-48L-1A-NW-G2-AR-4-UNV-BZ	912401466010
RS-ECF-S-48L-1A-NW-G2-AR-4-UNV-MGY	912401466011
RS-ECF-S-48L-1A-NW-G2-AR-4-UNV-BK	912401534558
RS-ECF-S-48L-1A-NW-G2-AR-5-UNV-BZ	912401466012
RS-ECF-S-48L-1A-NW-G2-AR-5-UNV-MGY	912401466013
RS-ECF-S-48L-1A-NW-G2-AR-5-UNV-BK	912401534559
RS-ECF-S-64L-1A-NW-G2-AR-3-UNV-BZ	912401466014
RS-ECF-S-64L-1A-NW-G2-AR-3-UNV-MGY	912401466015

Catalog Number	12NC
RS-ECF-S-64L-1A-NW-G2-AR-3-UNV-BK	912401534560
RS-ECF-S-64L-1A-NW-G2-AR-4-UNV-BZ	912401466016
RS-ECF-S-64L-1A-NW-G2-AR-4-UNV-MGY	912401466017
RS-ECF-S-64L-1A-NW-G2-AR-4-UNV-BK	912401534561
RS-ECF-S-64L-1A-NW-G2-AR-5-UNV-BZ	912401466018
RS-ECF-S-64L-1A-NW-G2-AR-5-UNV-MGY	912401466019
RS-ECF-S-64L-1A-NW-G2-AR-5-UNV-BK	912401534562
RS-ECF-RAM-G2-DGY	912401466487
RS-ECF-RAM-G2-MGY	912401466488
RS-ECF-RAM-G2-WH	912401466485
RS-ECF-RAM-G2-BZ	912401466486
RS-ECF-RAM-G2-BK	912401466484
RS-HIS-32-H	912401466489
RS-HIS-48-H	912401466491
RS-HIS-64-H	912401466493

Area luminaire

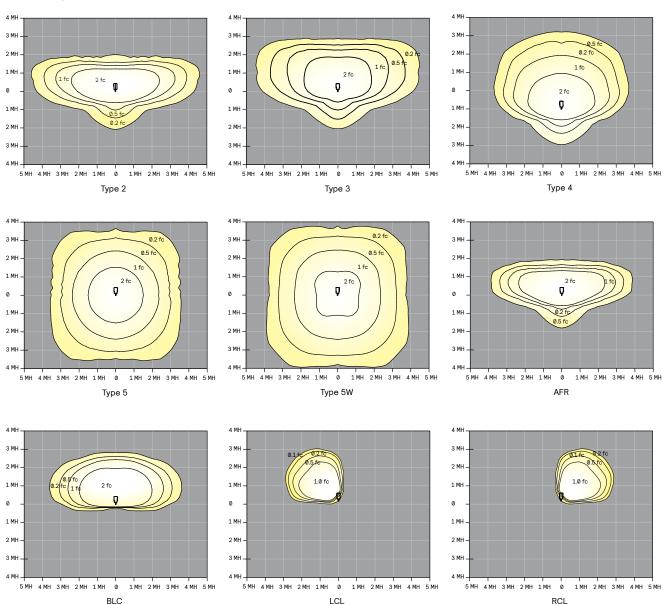
Predicted Lumen Depreciation Data

Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions. L_{70} is the predicted time when LED performance depreciates to 70% of initial lumen output. Calculated per IESNA TM21-11. Published L_{70} hours limited to 6 times actual LED test hours

Ambient Temperature °C	Driver mA	Calculated L ₇₀ Hours	L ₇₀ per TM-21	Lumen Maintenance % at 60,000 hrs
25°C	up to 1200 mA	>100,000 hours	>120,000 hours	>99%

Optical Distributions

Based on configuration ECF-S-48L-1A-NW-G2 (159W) mounted at 20ft.



Area luminaire

3000K LED Wattage and Lumen Values

		LED		Average		Type 2			Type 3			Type 4			Type 5			Type 5W	
Ordering Code	Total LEDs	Current (mA)	Color Temp.	System Watts	Lumen Output	BUG Rating	Efficacy (LPW)												
ECF-S-32L-365-WW-G2-x	32	365	3000	40	5,508	B1-U0-G1	138	5,428	B1-U0-G2	136	5,637	B1-U0-G2	141	5,790	B3-U0-G1	145	5,604	B3-U0-G1	140
ECF-S-32L-530-WW-G2-x	32	530	3000	56	7,159	B2-U0-G2	129	7,055	B1-U0-G2	127	7,327	B1-U0-G2	132	7,526	B3-U0-G2	135	7,284	B3-U0-G2	131
ECF-S-32L-700-WW-G2-x	32	700	3000	73	9,234	B2-U0-G2	127	9,034	B2-U0-G2	124	9,452	B2-U0-G2	130	9,707	B4-U0-G2	133	9,395	B4-U0-G2	129
ECF-S-32L-1A-WW-G2-x	32	1050	3000	106	13,001	B3-U0-G2	123	12,719	B2-U0-G2	120	13,306	B2-U0-G3	126	13,665	B4-U0-G2	129	13,227	B4-U0-G2	125
ECF-S-32L-1.2A-WW-G2-x	32	1200	3000	122	14,421	B3-U0-G3	119	14,108	B2-U0-G3	116	14,760	B2-U0-G3	121	15,158	B4-U0-G2	125	14,671	B4-U0-G2	121
ECF-S-48L-900-WW-G2-x	48	900	3000	135	17,115	B3-U0-G3	127	16,744	B3-U0-G3	124	17,518	B2-U0-G3	130	17,990	B4-U0-G2	133	17,413	B5-U0-G3	129
ECF-S-48L-1A-WW-G2-x	48	1050	3000	159	19,381	B3-U0-G3	122	18,960	B3-U0-G3	119	19,836	B3-U0-G4	125	20,372	B5-U0-G3	128	19,717	B5-U0-G3	124
ECF-S-48L-1.2A-WW-G2-x	48	1200	3000	183	21,515	B3-U0-G3	118	21,048	B3-U0-G4	115	22,020	B3-U0-G4	121	22,616	B5-U0-G3	124	21,888	B5-U0-G3	120
ECF-S-64L-900-WW-G2-x	64	900	3000	178	22,652	B3-U0-G3	127	22,161	B3-U0-G4	125	23,185	B3-U0-G4	130	23,810	B5-U0-G3	134	23,045	B5-U0-G3	130
ECF-S-64L-1A-WW-G2-x	64	1050	3000	206	25,520	B3-U0-G3	124	24,966	B3-U0-G4	121	26,120	B3-U0-G4	127	26,150	B5-U0-G3	127	25,964	B5-U0-G4	126

		LED		Average		Type AFR		BLC			LCL or RCL			
Ordering Code	Total LEDs	Current (mA)	Color Temp.	System Watts	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	
ECF-S-32L-365-WW-G2-x	32	365	3000	40	5,706	B2-U0-G1	143	3,691	B0-U0-G1	94	2,449	B0-U0-G1	62	
ECF-S-32L-530-WW-G2-x	32	530	3000	56	7,417	B2-U0-G1	133	5,005	B0-U0-G2	91	3,183	B0-U0-G1	58	
ECF-S-32L-700-WW-G2-x	32	700	3000	73	9,567	B2-U0-G2	131	6,409	B0-U0-G2	89	4,106	B0-U0-G1	57	
ECF-S-32L-1A-WW-G2-x	32	1050	3000	106	13,467	B3-U0-G2	128	9,024	B1-U0-G2	87	5,793	B0-U0-G2	56	
ECF-S-32L-1.2A-WW-G2-x	32	1200	3000	122	14,939	B3-U0-G2	123	10,010	B1-U0-G2	84	6,426	B0-U0-G2	54	
ECF-S-48L-900-WW-G2-x	48	900	3000	135	17,731	B3-U0-G2	131	11,880	B1-U0-G2	89	7,626	B0-U0-G2	57	
ECF-S-48L-1A-WW-G2-x	48	1050	3000	159	20,076	B3-U0-G2	127	13,453	B1-U0-G2	86	8,636	B0-U0-G2	55	
ECF-S-48L-1.2A-WW-G2-x	48	1200	3000	183	22,288	B3-U0-G2	122	14,934	B1-U0-G3	83				
ECF-S-64L-900-WW-G2-x	64	900	3000	178	23,465	B3-U0-G2	132	15,723	B1-U0-G3	90	10,093	B0-U0-G2	58	
ECF-S-64L-1A-WW-G2-x	64	1050	3000	206	26,437	B4-U0-G3	128	17,714	B1-U0-G3	87				

4000K LED Wattage and Lumen Values

		LED		Average		Type 2			Туре 3			Type 4			Type 5			Type 5W	
Ordering Code	Total LEDs	Current (mA)	Color Temp.	System Watts	Lumen Output	BUG Rating	Efficacy (LPW)												
ECF-S-32L-365-NW-G2-x	32	365	4000	40	5,798	B1-U0-G1	145	5,713	B1-U0-G2	143	5,934	B1-U0-G2	148	6,094	B3-U0-G1	152	5,898	B3-U0-G2	147
ECF-S-32L-530-NW-G2-x	32	530	4000	56	7,536	B2-U0-G2	135	7,426	B1-U0-G2	133	7,713	B1-U0-G2	138	7,922	B3-U0-G2	142	7,667	B3-U0-G2	138
ECF-S-32L-700-NW-G2-x	32	700	4000	73	9,720	B2-U0-G2	133	9,509	B2-U0-G2	130	9,949	B2-U0-G2	136	10,218	B4-U0-G2	140	9,889	B4-U0-G2	136
ECF-S-32L-1A-NW-G2-x	32	1050	4000	106	13,685	B3-U0-G2	130	13,388	B2-U0-G3	127	14,006	B2-U0-G3	133	14,384	B4-U0-G2	136	13,923	B4-U0-G2	132
ECF-S-32L-1.2A-NW-G2-x	32	1200	4000	122	15,180	B3-U0-G3	125	14,851	B2-U0-G3	122	15,537	B2-U0-G3	128	15,956	B4-U0-G2	131	15,443	B4-U0-G2	127
ECF-S-48L-900-NW-G2-x	48	900	4000	135	18,016	B3-U0-G3	133	17,625	B3-U0-G3	130	18,440	B3-U0-G3	136	18,937	B4-U0-G3	140	18,329	B5-U0-G3	136
ECF-S-48L-1A-NW-G2-x	48	1050	4000	159	20,401	B3-U0-G3	129	19,958	B3-U0-G4	126	20,880	B3-U0-G4	132	21,444	B5-U0-G3	135	20,755	B5-U0-G3	131
ECF-S-48L-1.2A-NW-G2-x	48	1200	4000	183	22,647	B3-U0-G3	124	22,156	B3-U0-G4	121	23,179	B3-U0-G4	127	23,806	B5-U0-G3	130	23,040	B5-U0-G3	126
ECF-S-64L-900-NW-G2-x	64	900	4000	178	23,844	B3-U0-G3	134	23,327	B3-U0-G4	131	24,405	B3-U0-G4	137	25,063	B5-U0-G3	141	24,258	B5-U0-G4	136
ECF-S-64L-1A-NW-G2-x	64	1050	4000	206	26,863	B3-U0-G3	130	26,280	B3-U0-G4	128	27,495	B3-U0-G4	134	27,526	B5-U0-G3	134	27,330	B5-U0-G4	133

		LED		Average		Type AFR			BLC			LCL or RCL	
Ordering Code	Total LEDs	Current (mA)	Color Temp.	System Watts	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
ECF-S-32L-365-NW-G2-x	32	365	4000	40	6,006	B2-U0-G1	150	3,991	B0-U0-G1	101	2,633	B0-U0-G1	67
ECF-S-32L-530-NW-G2-x	32	530	4000	56	7,807	B2-U0-G1	140	5,412	B0-U0-G2	99	3,423	B0-U0-G1	62
ECF-S-32L-700-NW-G2-x	32	700	4000	73	10,070	B2-U0-G2	138	6,930	B0-U0-G2	96	4,415	B0-U0-G1	61
ECF-S-32L-1A-NW-G2-x	32	1050	4000	106	14,176	B3-U0-G2	134	9,756	B1-U0-G2	94	6,229	B0-U0-G2	60
ECF-S-32L-1.2A-NW-G2-x	32	1200	4000	122	15,725	B3-U0-G2	129	10,822	B1-U0-G2	90	6,910	B0-U0-G2	58
ECF-S-48L-900-NW-G2-x	48	900	4000	135	18664,	B3-U0-G2	138	12,843	B1-U0-G2	96	8,200	B0-U0-G2	62
ECF-S-48L-1A-NW-G2-x	48	1050	4000	159	21,133	B3-U0-G2	133	14,544	B1-U0-G3	93	9,286	B0-U0-G2	59
ECF-S-48L-1.2A-NW-G2-x	48	1200	4000	183	23,461	B3-U0-G2	128	16,145	B1-U0-G3	90			
ECF-S-64L-900-NW-G2-x	64	900	4000	178	24,700	B3-U0-G2	139	16,998	B1-U0-G3	97	10,853	B0-U0-G2	62
ECF-S-64L-1A-NW-G2-x	64	1050	4000	206	27,828	B4-U0-G3	135	19,150	B1-U0-G3	94			

Area luminaire

5000K LED Wattage and Lumen Values

		LED		Average		Type 2			Type 3			Type 4			Type 5			Type 5W	
	Total	Current	Color	System	Lumen	BUG	Efficacy												
Ordering Code	LEDs	(mA)	Temp.	Watts	Output	Rating	(LPW)												
ECF-S-32L-365-CW-G2-x	32	365	5000	40	5,798	B1-U0-G1	145	5,713	B1-U0-G2	143	5,934	B1-U0-G2	148	6,094	B3-U0-G1	152	5,898	B3-U0-G2	147
ECF-S-32L-530-CW-G2-x	32	530	5000	56	7,536	B2-U0-G2	135	7,426	B1-U0-G2	133	7,713	B1-U0-G2	138	7,922	B3-U0-G2	142	7,667	B3-U0-G2	138
ECF-S-32L-700-CW-G2-x	32	700	5000	73	9,720	B2-U0-G2	133	9,509	B2-U0-G2	130	9,949	B2-U0-G2	136	10,218	B4-U0-G2	140	9,889	B4-U0-G2	136
ECF-S-32L-1A-CW-G2-x	32	1050	5000	106	13,685	B3-U0-G2	130	13,388	B2-U0-G3	127	14,006	B2-U0-G3	133	14,384	B4-U0-G2	136	13,923	B4-U0-G2	132
ECF-S-32L-1.2A-CW-G2-x	32	1200	5000	122	15,180	B3-U0-G3	125	14,851	B2-U0-G3	122	15,537	B2-U0-G3	128	15,956	B4-U0-G2	131	15,443	B4-U0-G2	127
ECF-S-48L-900-CW-G2-x	48	900	5000	135	18,016	B3-U0-G3	133	17,625	B3-U0-G3	130	18,440	B3-U0-G3	136	18,937	B4-U0-G3	140	18,329	B5-U0-G3	136
ECF-S-48L-1A-CW-G2-x	48	1050	5000	159	20,401	B3-U0-G3	129	19,958	B3-U0-G4	126	20,880	B3-U0-G4	132	21,444	B5-U0-G3	135	20,755	B5-U0-G3	131
ECF-S-48L-1.2A-CW-G2-x	48	1200	5000	183	22,647	B3-U0-G3	124	22,156	B3-U0-G4	121	23,179	B3-U0-G4	127	23,806	B5-U0-G3	130	23,040	B5-U0-G3	126
ECF-S-64L-900-CW-G2-x	64	900	5000	178	23,844	B3-U0-G3	134	23,327	B3-U0-G4	131	24,405	B3-U0-G4	137	25063	B5-U0-G3	141	24258	B5-U0-G4	136
ECF-S-64L-1A-CW-G2-x	64	1050	5000	206	26,863	B3-U0-G3	130	26,280	B3-U0-G4	128	27,495	B3-U0-G4	134	27526	B5-U0-G3	134	27330	B5-U0-G4	133

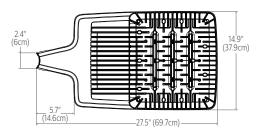
		LED		Average		Type AFR			BLC			LCL or RCL	
Ordering Code	Total LEDs	Current (mA)	Color Temp.	System Watts	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
ECF-S-32L-365-CW-G2-x	32	365	5000	40	6,006	B2-U0-G1	150	3,991	B0-U0-G1	101	2,633	B0-U0-G1	67
ECF-S-32L-530-CW-G2-x	32	530	5000	56	7,807	B2-U0-G1	140	5,412	B0-U0-G2	99	3,423	B0-U0-G1	62
ECF-S-32L-700-CW-G2-x	32	700	5000	73	10,070	B2-U0-G2	138	6,930	B0-U0-G2	96	4,415	B0-U0-G1	61
ECF-S-32L-1A-CW-G2-x	32	1050	5000	106	14,176	B3-U0-G2	134	9,756	B1-U0-G2	94	6,229	B0-U0-G2	60
ECF-S-32L-1.2A-CW-G2-x	32	1200	5000	122	15,725	B3-U0-G2	129	10,822	B1-U0-G2	90	6,910	B0-U0-G2	58
ECF-S-48L-900-CW-G2-x	48	900	5000	135	18,664	B3-U0-G2	138	12,843	B1-U0-G2	96	8,200	B0-U0-G2	62
ECF-S-48L-1A-CW-G2-x	48	1050	5000	159	21,133	B3-U0-G2	133	14,544	B1-U0-G3	93	9,286	B0-U0-G2	59
ECF-S-48L-1.2A-CW-G2-x	48	1200	5000	183	23,461	B3-U0-G2	128	16,145	B1-U0-G3	90			
ECF-S-64L-900-CW-G2-x	64	900	5000	178	24,700	B3-U0-G2	139	16,998	B1-U0-G3	97	10,853	B0-U0-G2	62
ECF-S-64L-1A-CW-G2-x	64	1050	5000	206	27,828	B4-U0-G3	135	19,150	B1-U0-G3	94			

Area luminaire

Dimensions

Standard Arm (AR)

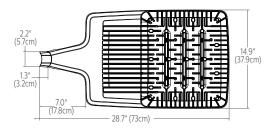
Weight: 22 Lbs (9.9 Kg) EPA: 0.21ft² (.019m²)





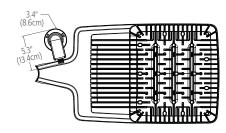
Retrofit Arm (RAM)

Weight: 24 Lbs (10.9 Kg) EPA: 0.24ft2 (.022m2)





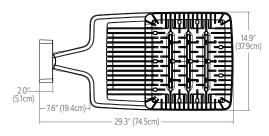
Outboard IMR-HVU sensor





Wall (WS)

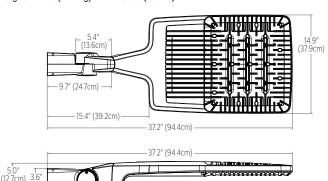
Weight: 27 Lbs. (12. 2Kg)EPA: 0.27ft² (.025m²)



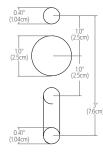


Slip fitter (SF)

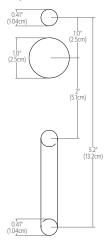
Weight: 27 Lbs (12.2 Kg) EPA: 0.33ft2 (.031m2)



Standard Arm (AR) drill pattern



Retrofit Arm (RAM) drill pattern

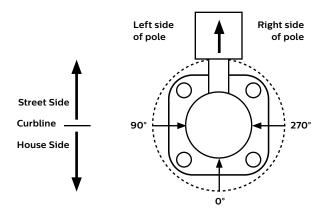


Area luminaire

Optical Orientation Information

Standard Optic Position

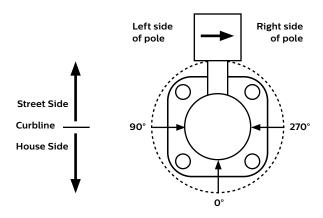
Luminaires ordered with asymmetric optical systems in the standard optic position will have the optical system oriented as shown below:



Note: The hand hole will normally be located on the pole at the 0° point.

Optic Rotated Right (270°) Optic Position

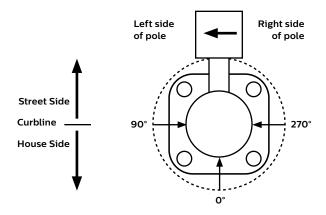
Luminaires ordered with optical systems in the Optic Rotated Right (270°) optic position will have the optical system oriented as shown below (Type 5 and 5W optics are not available with factory set rotatable optics):



Note: The hand hole will normally be located on the pole at the 0° point.

Optic Rotated Left (90°) Optic Position

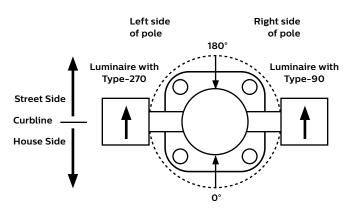
Luminaires ordered with optical systems in the Optic Rotated Left (90°) optic position will have the optical system oriented as shown below (Type 5 and 5W optics are not available with factory set rotatable optics):



Note: The hand hole will normally be located on the pole at the 0° point.

Twin Luminaire Assemblies with Type-90/Type-270 Rotated Optical Systems

Twin luminaire assemblies installed with rotated optical systems are an excellent way to direct light toward the interior of the site (Street Side) without additional equipment. It is important, however, that care be exercised to insure that luminaires are installed in the proper location.



Luminaires with Optic Rotated Right (270°) are installed on the LEFT Side of Pole Luminaires with Optic Rotated Left (90°) are installed on the RIGHT Side of Pole

Note: The hand hole location will depend on the drilling configuration ordered for the pole.

Area luminaire

Specifications

Housing

One-piece die cast aluminum housing with integral arm and separate, self-retained hinged, one-piece die cast door frame. Luminaire housing rated to IP65, tested in accordance to Section 9 of IEC 60598-1.

Vibration resistance

Luminaire is tested and rated 3G over 100,000 cycles conforming to standards set forth by ANSI C136.31-2018. Testing includes vibration in three axes, all performed on the same luminaire.

Light engine

Light engine comprises of a module of 16-LED aluminum metal clad board fully sealed with optics offered in multiples of 2, 3, and 4 modules or 32, 48, and 64 LEDs. Module is RoHS compliant. Color temperatures: 3000K +/-125K, 4000K, 5000K +/- 200K. Minimum CRI of 70. LED light engine is rated IP66 in accordance to Section 9 of IEC 60598-1.

Energy saving benefits

System efficacy up to 152 lms/W with significant energy savings over Pulse Start Metal Halide luminaires. Optional control options provide added energy savings during unoccupied periods.

Optical systems

Type 2, 3, 4, 5, 5W, and AFR distributions available. Internal Shield option mounts to LED optics and is available with Type 2, 3, 4, and AFR distributions, including a dedicated BLC, LCL, and RCL optics to provide the best backlight control possible for those stringent requirements around property lines. Types 2, 3, 4, AFR, and BLC when specified and used as rotated, are factory set only. Performance tested per LM-79 and TM-15 (IESNA) certifying its photometric performance. Luminaire designed with 0% uplight (U0 per IESNA TM-15).

Mounting

Standard luminaire arm mounts to 4" O.D. round poles. Can also be used with 5" O.D. poles. Square pole adapter included with every luminaire. Round Pole Adapter (RPA) required for 3-3.9" poles. EcoForm features a retrofit arm kit. When specified with the retrofit arm (RAM) option, EcoForm seamlessly simplifies site conversions to LED by eliminating the need for additional pole drilling on most existing poles. RAM will be boxed separately. Also optional are slipfitter and wall mounting accessories. Note that only fixed mounts (AR, RAM, WS) are required to meet IDA compliance. SF mounting will not meet IDA.

Control options

0-10V dimming (DD): Access to 0-10V dimming leads supplied through back of luminaire (for secondary dimming controls by others). Cannot be used with other control options.

Dual Circuit Control (DCC): Luminaire equipped with the ability to have two separate circuits controlling drivers and light engines independently. Permits separate switching of separate modules controlled by use of two sets of leads, one for each circuit. Not recommended to be used with other control options, motion response, or photocells.

Sensor Ready Zhaga Socket Connector (SRDR): Product equipped with Sensor Ready drivers connected to 4-pin Zhaga Book 18 compliant receptacle designed for sensor and other control system applications. Receptacle is rated IP66 assembly in a compact design that provides a sealed electrical interface and rated UV resistance, mounted on underside of the luminaire, protective dust cap included. When a controller not provided by Signify is used with Sensor Ready Zhaga socket connector, the controller must be certified to work with the Xitanium SR LED drivers as part of the SR certified program. SRDR can be used with NEMA 7-pin twist lock receptacle, which is mounted on top of the luminaire.

Automatic Profile Dimming (CS/CM/CE/CA): Standard dimming profiles provide flexibility towards energy savings goals while optimizing light levels during specific dark hours. Dimming profiles include two dimming settings including dim to 30% or 50% of the total lumen output. When used in combination with not programmed motion response it overrides the controller's schedule when motion is detected. After 5 minutes with no motion, it will return to the automatic diming profile schedule. Automatic dimming profile scheduled with the following settings:

- CS50/CS30: Security for 7 hours night duration (Ex., 11 PM 6 AM)
- CM50/CM30: Median for 8 hours night duration (Ex., 10 PM 6 AM)

All above profiles are calculated from mid point of the night. Dimming is set for 6 hours after the mid point and 1 or 2 hours before depending of the duration of dimming. Cannot be used with other dimming control options.

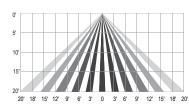
Field Adjustable Wattage Selector (FAWS): Luminaire equipped with the ability to manually adjust the wattage in the field to reduce total luminaire lumen output and light levels. Comes pre-set to the highest position at the lumen output selected. Use chart below to estimate reduction in lumen output desired. Cannot be used with other control options or motion response.

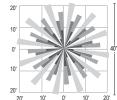
FAWS Position	Percent of Typical Lumen Output
1	25%
2	50%
3	55%
4	65%
5	75%
6	80%
7	85%
8	90%
9	95%
10	100%

Note: Typical value accuracy +/- 5%

Wireless system (LLC): Optional wireless controller integral to luminaire ready to be connected to a Limelight system (sold by others). The system allows you to wirelessly manage the entire site, independent lighting groups or individual luminaires while on-site or remotely. Based on a high-density mesh network with an easy to use web-based portal, you can conveniently access, monitor and manage your lighting network remotely. Wireless controls can be combined with site and area, pedestrian, and parking garage luminaires as well, for a completely connected outdoor solution. Equipped with motion response with #3 lens for 8-25' mounting heights. Also available with remote pod accessory where pod is mounted separate from luminaire to pole or wall.

LLC wireless controller with #3 lens





Motion response options

Bi-Level Infrared Motion Response (BL-IMRI): Motion Response module is mounted integral to luminaire factory pre-programmed to 50% dimming when not ordered with other control options. BL-IMRI is set/operates in the following fashion: The motion sensor is set to a constant 50%. When motion is detected by the PIR sensor, the luminaire returns to full power/light output. Dimming on low is factory set to 50% with 5 minutes default in "full power" prior to dimming back to low. When no motion is detected for 5 minutes, the motion response system reduces the wattage by 50%, to 50% of the normal constant wattage reducing the light level. Other dimming settings can be provided if different dimming levels are required. This can also be done with FSIR-100 Wireless Remote Programming Tool (contact Technical Support for details).

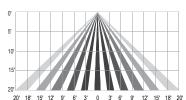
Infrared Motion Response with Other Controls: When used in combination with other controls (Automatic Dimming Profile), motion response device will simply override controller's schedule with the added benefits of a combined dimming profile and sensor detection. In this configuration, the motion response device cannot be re-programmed with FSIR-100 Wireless Remote Programming Tool. The profile can only be re-programmed via the controller.

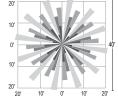
Area luminaire

Specifications

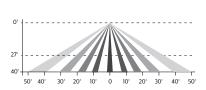
Infrared Motion Response Lenses (IMRI3/IMRI7): Infrared Motion Response Integral module is available with two different sensor lens types to accommodate various mounting heights and occupancy detection ranges. Lens #3 (IMRI3) is designed for mounting heights up to 20' with a 40' diameter coverage area. Lens #7 is designed for higher mounting heights up to 40' with larger coverage areas up to 100' diameter coverage area. See charts for approximate detection patterns:

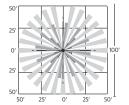
IMRI3 Luminaire or remote mount controller with #3 lens





IMRI7 Luminaire or remote mount controller with #7 lens





Electrical

Twist-Lock Receptacle (TLRD5/TLRD7/ TLRPC): Twist Lock Receptacle with 5 pins enabling dimming or with 7 pins with additional functionality (by others) can be used with a twistlock photoelectric cell or a shorting cap. Dimming Receptacle Type B (5-pin) and Type D-24 (7-pin) in accordance to ANSI C136.41. Can be used with third-party control system. Receptacle located on top of luminaire housing. When specifying receptacle with twistlock photoelectric cell, voltage must be specified. When ordering 7-pin Twist-lock receptacle (TLRD7), all 7 pins are wired to respective pins with the Sensor Ready (SR) driver, and photocell or shorting cap is not included. When ordering a twist-lock receptacle with a photocell (TLRPC), the receptacle used is a 5-pin receptacle, so pins 6 and 7 are not available (no SR driver). 0-10V dimming leads (pins 4 and 5) are connected if not ordered with any other dimming option.

Driver: Driver efficiency (>90% standard). 120-480V available (restrictions apply). Open/short circuit protection. All drivers are 0-10V dimming to 10% power standard, except when using Sensor Ready (SR) drivers, which uses DALI protocol (options CS50/CM50/CS30/CM30, SRDR, and TR7). Drivers are RoHS and FCC Title 47 CFR Part 15 compliant.

Button Photocontrol (PCB): Button style design for internal luminaires mounting applications. The photocontrol is constructed of a high impact UV stabilized polycarbonate housing. Rated voltage of 120V or 208-277V with a load rating of 1000 VA. The photocell will turn on with 1-4Fc of ambient light.

Surge protection (SP1/SP2): Surge protection device tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/10kA waveforms for Line-Ground, Line-Neutral and Neutral-Ground, and in accordance with DOE MSSLC Model Specification for LED Roadway Luminaires Appendix D Electrical Immunity High test level 10kV/10kA. 20kV / 10kA surge protection device that provides extra protection beyond the SP1 10kV/10kA level.

Listing

UL/cUL wet location listed to the UL 1598 standard, suitable for use in ambient temperatures from -40° to 40°C (-40° to 104°F). Most EcoForm configurations are qualified under Premium and Standard DesignLights Consortium® categories. Consult DLC Qualified Products list to confirm your specific luminaire selection is approved. CCTs 3000K and warmer are Dark Sky Approved.

Finish

Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) textured polyester powdercoat finish. Standard colors include bronze (BZ), black (BK), white (WH), dark gray (DGY), and medium gray (MGY). Consult factory for specs on optional or custom colors.

Service Tag

Each individual luminaire is uniquely identifiable, thanks to the Service tag application. With a simple scan of a QR code, placed on the inside of the mast door, you gain instant access to the luminaire configuration, making installation and maintenance operations faster and easier, no matter what stage of the luminaire's lifetime. Just download the APP and register your product right away. For more details visit: signify.com

Warranty

EcoForm luminaires feature a 5-year limited warranty
See signify.com/warranties for complete details and exclusions.

Buy American Act of 1933 (BAA):

This product is manufactured in one of our US factories and, as of the date of this document, this product was considered a commercially available off-the-shelf (COTS) item meeting the requirements of the BAA. This BAA designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies. Prior to ordering, please visit www.signify.com/baa to view a current list of BAA-compliant products to confirm this product's current compliance.



© 2021 Signify Holding. All rights reserved. The information provided herein is subject to change, without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The informatior presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify.

Signify North America Corporation 200 Franklin Square Drive, Somerset, NJ 08873 Telephone 855-486-2216 Signify Canada Ltd. 281 Hillmount Road, Markham, ON, Canada L6C 2S3 Telephone 800-668-9008

All trademarks are owned by Signify Holding or their respective owners.



WLZ Series

Zero Uplight LED Wallpack

DESCRIPTION

The WLZ Series features an architecturally relevant low-profile LED design in lumen packages ranging from 1500 lumens to over 12,000 lumens. Its high-efficiency light engine is designed for optimal light control and distribution with zero uplight. This family of product is offered in several size housings to complement any building exterior and accommodates mounting heights up to 35'. Integral emergency battery backup available for path of egress with Cold Location operation down to -20°C.

SPECIFICATIONS

Construction

- Sleek die-cast aluminum housing with stainless steel hardware and powder coated black, bronze, silver or white finish
- UV-stabilized polycarbonate optical lens
- Integral heat sink for maximized heat dissipation
- Back box houses drivers away from LEDs and includes three ³/₄" hubs (WLZ1 and WLZ2 - two ³/₄" hubs)

Optics/LEDs

- Zero uplight design to minimize light pollution
- 15 to 100 Watt models replace up to 400 Watt HID for up to 70% energy savings
- Efficacies up to 123 LPW at 5000K to maximize utility rebates
- Type III and Type IV distributions for optimal light distribution (WLZ1 Type III only)
- Available in 3000K, 3500K, 4000K and 5000K CCT
- L70 of 50,000 hours at 40°C
- CRI of ≥70

Electrical

- Class 2 power supply, 120-277VAC, 50/60Hz
- 347/480VAC Dedicated driver option for WLZ4, WLZ7 and WLZ10
- 0-10V Dimming driver (120-277VAC only)
- Power supply rated Class A EMI rating

Installation

- · Housing hinges to back box and is secured with set screws
- Back box is complete with three ³/₄" hubs and internal bubble level for easy installation (WLZ1 and WLZ2 - two ³/₄" hubs)
- Mounts to a standard 3-1/2" or 4" square electrical J-box
- · Suitable for downlight installation only

Options

Battery Backup

- Integral battery backup (BB) provides over 700 lumens and 90 minutes of runtime for path of egress. Rated for ambient temperatures of 0°C to 40°C (32°F to 104°F). Not available on WLZ1
- Integral Battery Backup with Internal Heater (BB-IH) provides over 700 lumens and 90 minutes of runtime for path of egress in Cold Locations down to -20°C. Not available on WLZ1 or WLZ2.
- Factory installed dual driver options for WLZ4 and WLZ10 (WLZ7 is standard with two drivers)
- Factory installed 120/277VAC button type photocontrol option (PC)
- Factory installed 10kVA surge protection options (SP or SPH)

Accessories (Field Installed)

- 120/277VAC Button type universal photocontrol options accessory (PCU)
- Dimming occupancy sensor programmable, Wattstopper FSP221 available in multiple finishes (TL-SCES-L2)
- Remote control for occupancy sensor. Optional (TL-FSIR100)

Testing & Compliance

- cULus Listed for Wet Locations
- International Dark Sky friendly approved product. (IDA) 3000K only
- Operating temperatures: -40°C to 40°C (-40°F to 104°F)

Warranty

• Five year warranty (terms and conditions apply)

Model: Date:

Accessories: Type:











Specs At A Glance*					
Model	WLZ1	WLZ2	WLZ4	WLZ7	WLZ10
Wattage (nominal)	15W	25W	40W	70W	100W
Lumens (Im)	1745	3198	5021	8729	12,393
Efficacy (LPW)	115	118	123	120	116
Equivalency (HID)	50W	100W	150W	250W	400W
Distribution		Type III,	IV (WLZ1	Type III onl	y)
ССТ		3000K,	3500K, 40	000K, 5000F	<
CRI			≥70		
Input Voltage	120	-277VAC	, 50/60Hz	, 347/480V	option
Operating Temp		-40°C to	40°C (-40	°F to 104°F	=)
Certifications		UL Listed	for Wet L	ocations, II	DA
Warranty			5 Year	s	
Weight	2.6 lbs	3.3 lbs	6.0 lbs	9.9 lbs	12.1 lbs

^{*} Nominal Wattage, tested at 5000K CCT, Type III distribution. Values at 120/277VAC. See performance table for more detailed lumen information.

Note: Environment and application will affect actual performance. Typical values and 25°C (77°F) used for testing. Specifications subject to change without notice.



Ordering Information (Example: WLZ2-3-4K-BR)

Series/Configuration	Distribution	Input Voltage	CCT	Finish	Options
WLZ1 = 15W, Extra-Small	3 = Type III	BLANK = 120-277VAC	3K = 3000K	BL = Black	BB ⁵ = Battery backup
WLZ2 = 25W, Small	4 ² = Type IV	HVS ³ = 347/480VAC	35K ⁴ = 3500K	BR = Bronze	BB-IH ⁶ = Cold Location Battery backup (operation down to -20°C)
WLZ4 = 40W, Medium			4K = 4000K	SV = Silver	DD ⁷ = Dual driver
WLZ7 ¹ = 70W, Large			5K = 5000K	WH = White	PC = 120/277VAC Button photocontrol
WLZ10 = 100W, Extra-Large	Э				SP = 120/277VAC Surge protection
					SPH = 347/480VAC Surge protection
Notes					

¹ Standard with two drivers

³ WLZ4, WLZ7 and WLZ10 only, compatible with SPH option only

Consult factory for lead times	Accessories ¹⁰ (Field Installed)
⁵ WLZ2, WLZ4, WLZ7 and WLZ10 only. 120/277VAC Only. Not compatible with DD and SPH options	PCU = 120/277VAC Button photocontrol accessory
⁶ WLZ4, WLZ7 and WLZ10 only. 120/277VAC Only. Not compatible with DD and SPH options	TL-FSIR-100 = Remote control for TL-SCES sensor (optional)
⁷ Dual driver option available for WLZ4 and WLZ10 only. Not compatible with photocontrol option, consult factory	TL-SCES-L28,9 = Motion sensor, white finish
⁸ Compatible with WLZ4, WLZ7 and WLZ10 only. Contact factory for compatibility with other options	TL-SCES-L2-BL8,9 = Motion sensor, black finish
⁹ Dimming occupancy sensor, programmable, Wattstopper FSP221, L2 Lens	TL-SCES-L2-BR ^{8,9} = Motion sensor, bronze finish
¹⁰ Order as a separate line item. Shipped in separate box for final installation in the field	TL-SCES-L2-GR ^{8,9} = Motion sensor, gray finish

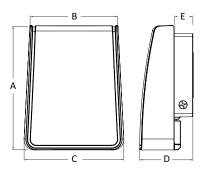
Performance Data

Model	Wattage (W)	CCT	Distribution	Lumen Output (Im)	Efficacy (LPW)
WLZ1-3-3K-XX	15	3000K	Type III	1531	101
WLZ1-3-4K-XX	15	4000K	Type III	1534	101
WLZ1-3-5K-XX	15	5000K	Type III	1745	115
WLZ2-3-3K-XX	25	3000K	Type III	2795	103
WLZ2-3-4K-XX	25	4000K	Type III	2997	111
WLZ2-3-5K-XX	25	5000K	Type III	3198	118
WLZ2-4-3K-XX	25	3000K	Type IV	2609	98
WLZ2-4-4K-XX	25	4000K	Type IV	2797	105
WLZ2-4-5K-XX	25	5000K	Type IV	2985	112
WLZ4-3-3K-XX	40	3000K	Type III	4389	107
WLZ4-3-4K-XX	40	4000K	Type III	4705	115
WLZ4-3-5K-XX	40	5000K	Type III	5021	123
WLZ4-4-3K-XX	40	3000K	Type IV	4021	98
WLZ4-4-4K-XX	40	4000K	Type IV	4310	105
WLZ4-4-5K-XX	40	5000K	Type IV	4599	112
WLZ7-3-3K-XX	70	3000K	Type III	7657	105
WLZ7-3-4K-XX	70	4000K	Type III	8193	113
WLZ7-3-5K-XX	70	5000K	Type III	8729	120
WLZ7-4-3K-XX	70	3000K	Type IV	6837	94
WLZ7-4-4K-XX	70	4000K	Type IV	7316	101
WLZ7-4-5K-XX	70	5000K	Type IV	7794	107
WLZ10-3-3K-XX	100	3000K	Type III	10,871	102
WLZ10-3-4K-XX	100	4000K	Type III	11,632	109
WLZ10-3-5K-XX	100	5000K	Type III	12,393	116
WLZ10-4-3K-XX	100	3000K	Type IV	9706	91
WLZ10-4-4K-XX	100	4000K	Type IV	10,385	98
WLZ10-4-5K-XX	100	5000K	Type IV	11,065	104

^{*} Nominal Wattage. Values at 120/277VAC ** HVS configuration not DLC qualified

²Not available for WLZ1 configuration

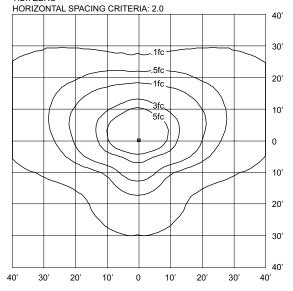
Dimensions



Model	Α	В	С	D	E
WLZ1	6.7"	5.0"	5.6"	3.2"	1.4"
WLZ2	8.0"	5.7"	6.0"	3.2"	1.4"
WLZ4	10.2"	6.8"	7.8"	5.0"	1.9"
WLZ7	11.6"	8.3"	9.4"	5.0"	1.9"
WLZ10	11.6"	10.3"	11.5"	5.0"	1.9"

Sample Photometrics

WLZ4-3-5K IES: TYPE III VERY SHORT MOUNTING HEIGHT: 10' TILT: ZERO

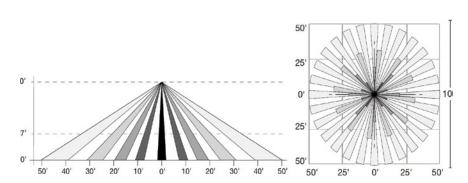


Sensor Details (Accessory: TL-SCES-L2)



Side and Top Sensor Coverage Pattern:

With FSP-L7 lens (included) 360° lens



Settings for TL-SCES-L2

	Settings	Default
High Mode:	0-10V	10V
Low Mode:	Off, 0-9.8V	1V
Time Delay:	30 seconds; 5-30 minutes	5 Minutes
Cut Off Delay:	None, 1-60 Minutes, 1-5 hours	1 Hour
Sensitivity:	None, Low, Medium, Max	Max
Setpoint:	None, 1-250fc, Auto	Disabled
Ramp Up Time:	None, 1-60 Seconds	Disabled
Fade Down Time:	None, 1-60 Seconds	Disabled

NOTE:

To change settings in the field, please order TL-FSIR-100 controller.

