



**MEETING OF THE  
ZIONSVILLE COMMUNITY DEVELOPMENT CORPORATION**

**Friday, October 9, 2020**

**2:00 p.m.**

**Electronic Video Meeting**

**Utilize the following link to join the meeting:**

<https://us02web.zoom.us/j/86177958851?pwd=cEpCa05uVTlYVlA4UWJxSUJsanpJZz09>

Meeting ID: 861 7795 8851    Passcode: 612736

**AGENDA**

1. Call to Order
2. Recognition of Quorum
3. Lot Improvements – Creekside Corporate Park – Lots 13 & 14 - RLL Racing Headquarters
4. Adjourn



# rahal letterman lanigan racing headquarters

zionsville development plan approval submission  
*staff comments response (10/02/2020)*  
 october 19, 2020

## project brief

The proposed Rahal Letterman Lanigan Racing Headquarters is a 100,000+ SF building to be located at the northeast corner of Creek Way and 106th Street in Zionsville, Indiana. This facility will be a multi-use / multi-purpose building supporting all of the dynamic functions required by the team, including but not limited to: office, event space, research + development, retail, automotive technology, light manufacturing, and truck storage.

The architecture embodies the dynamism of the team and its racing heritage. Simple massing paired with bold, clean lines creates a streamlined building that evokes speed and sophistication. A neutral, yet refined material palette injected with accents of their bold, metallic red speaks to the innovative, technological program found within the walls. The building is situated close to the main corner of the site (southwest) to maximize the visibility from 106th Street and beyond, while screening the back-of-house program and services such as employee parking and truck access. Moving around the building, the simplistic massing is honest to the program within, yet creates a dynamic, ever-changing form.

## table of contents

architectural	civil	electrical engineering
01 // cover	C100 // cover sheet	SE0.01 // site photometric plan
02 // render   southwest corner day	C101 // general information plan	P1A // pole light cutsheet
03 // render   southwest corner night	C102 // existing conditions plan	P1C // pedestrian pole light cutsheet
04 // render   main entrance	C103 // existing conditions plan	W1 // wall light cutsheet
05 // render   106th street	C201 // site plan	
06 // site plan	C202 // site plan	
07 // floor plans	C301 // grading plan	
08 // building elevations	C302 // grading plan	
09 // trash enclosure elevations	C401 // site utility plan	
<b>10 // fence + gate details</b>	C402 // site utility plan	
11 // signage   monument	C403 // storm plan + profile	
12 // signage   wall-mounted (west)	C404 // storm plan + profile	
13 // signage   wall-mounted (south)	C405 // storm plan + profile	
14 // exterior materials palette	C501 // initial controls swppp	
	C502 // initial controls swppp	
	C503 // mass grading + construction swppp	
	C504 // mass grading + construction swppp	
	C505 // post construction swppp	
	C506 // post construction swppp	
	C507 // erosion control details	
	C508 // swppp specifications	
	C801 // general details	
	C802 // general details	
	C803 // general details	
	C804 // general details	
	C901 // general specifications	
	L101 // landscape plan + details	
	L102 // landscape plan	

*\*bold denotes new sheet*





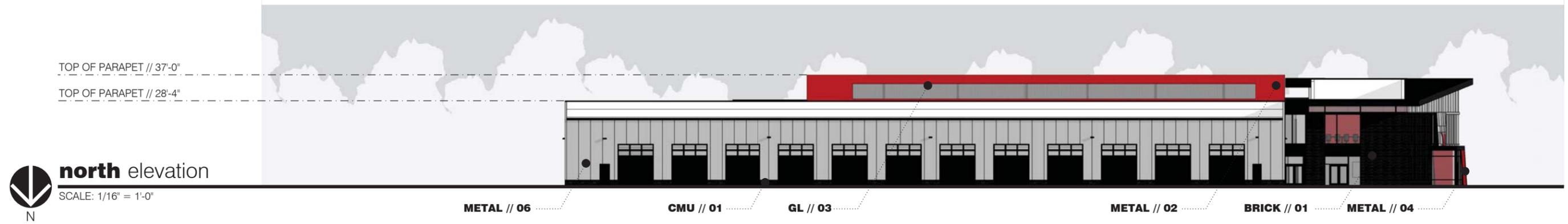
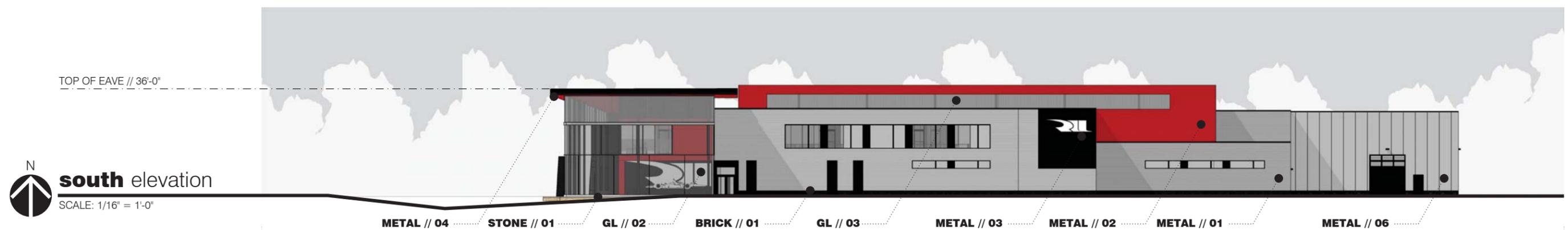
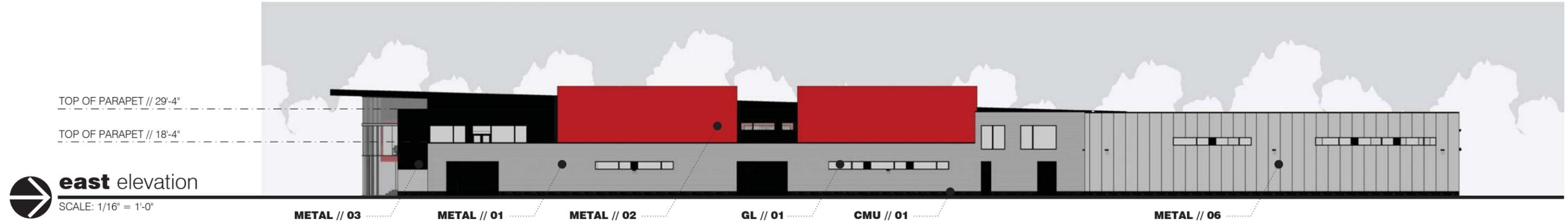
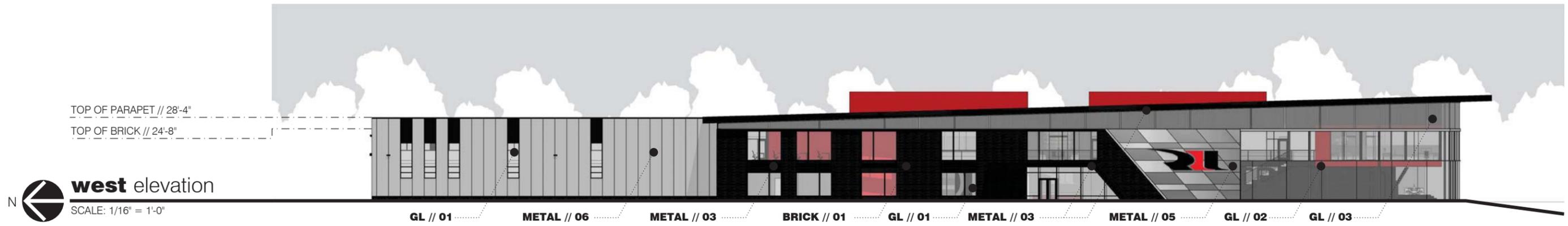


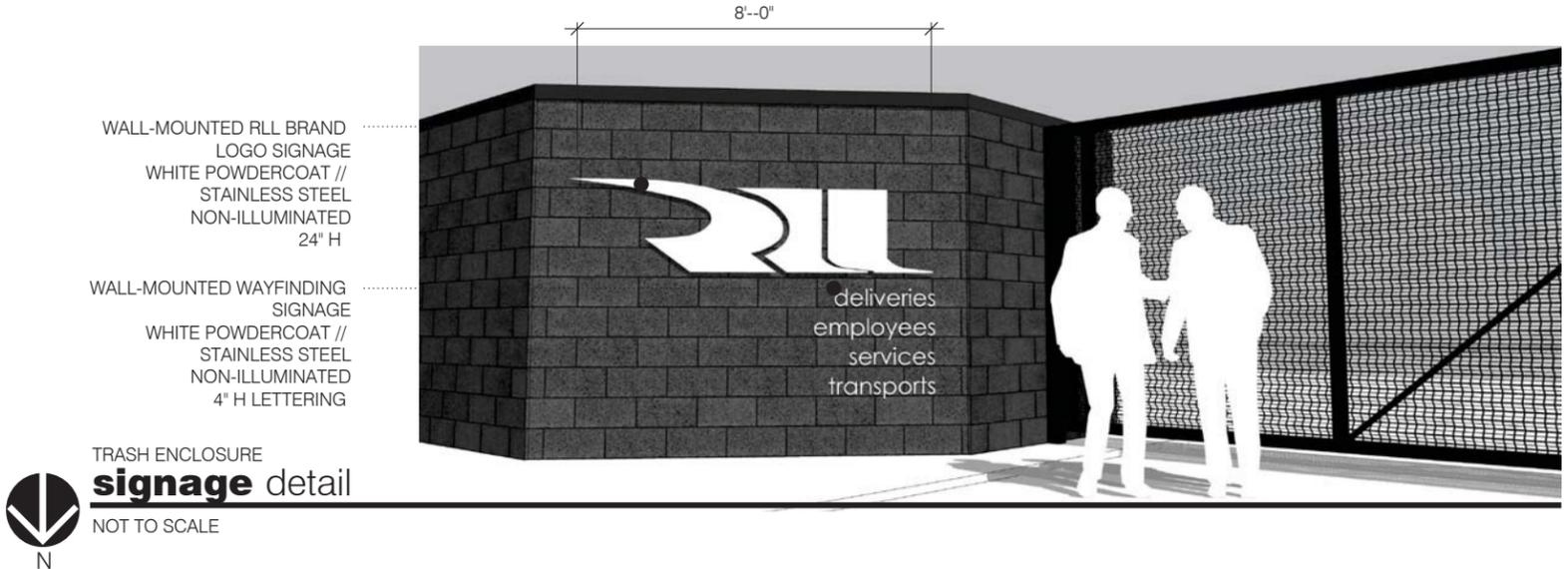
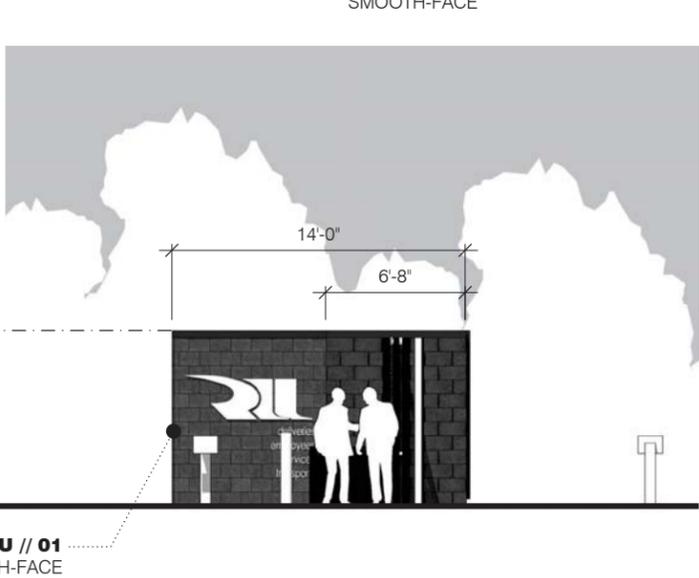
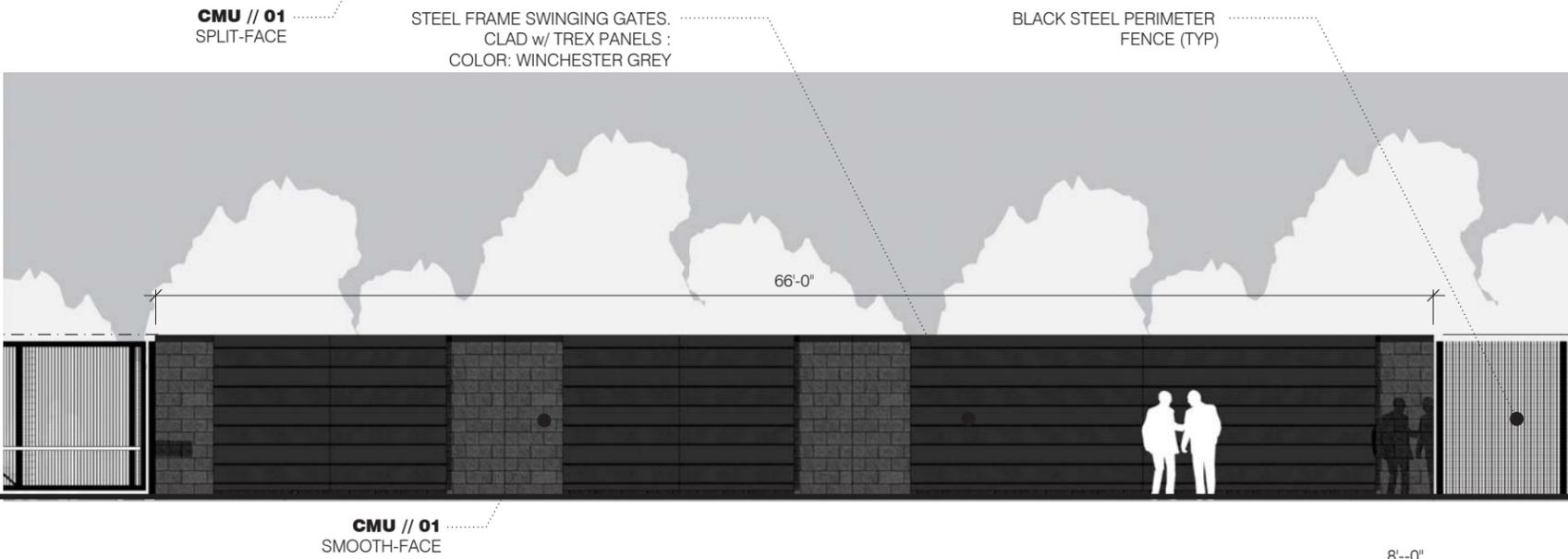
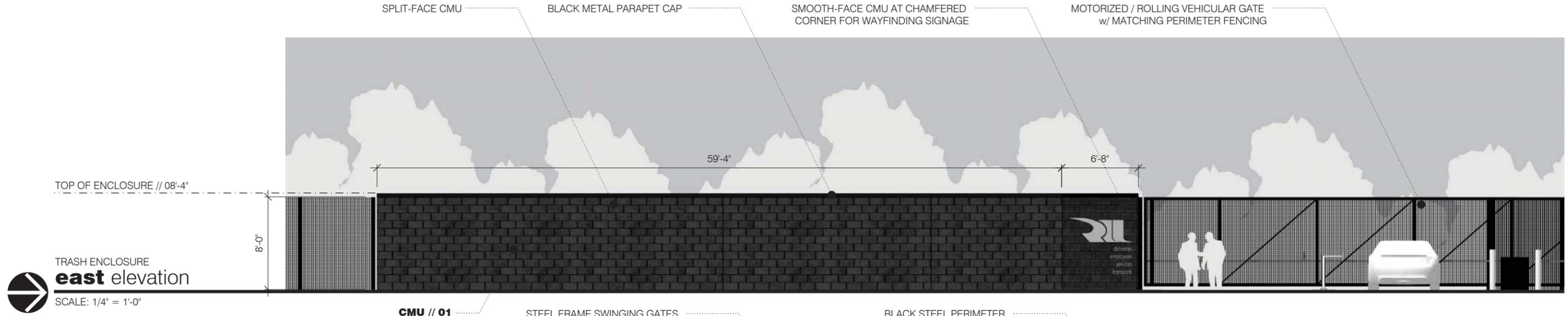


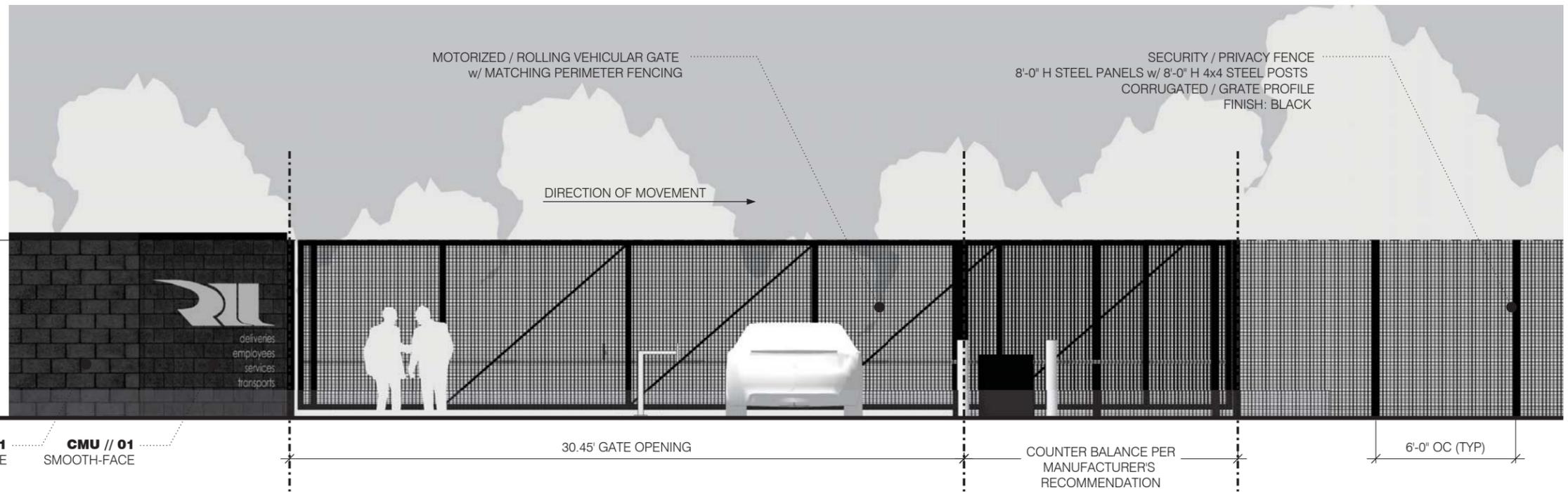




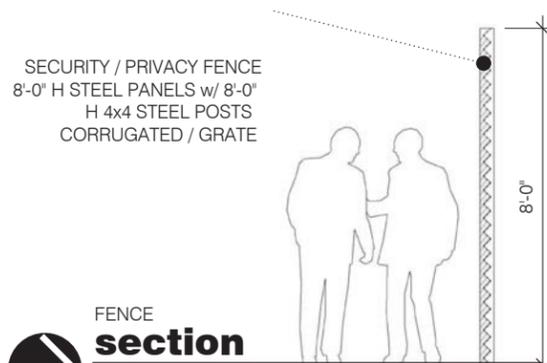
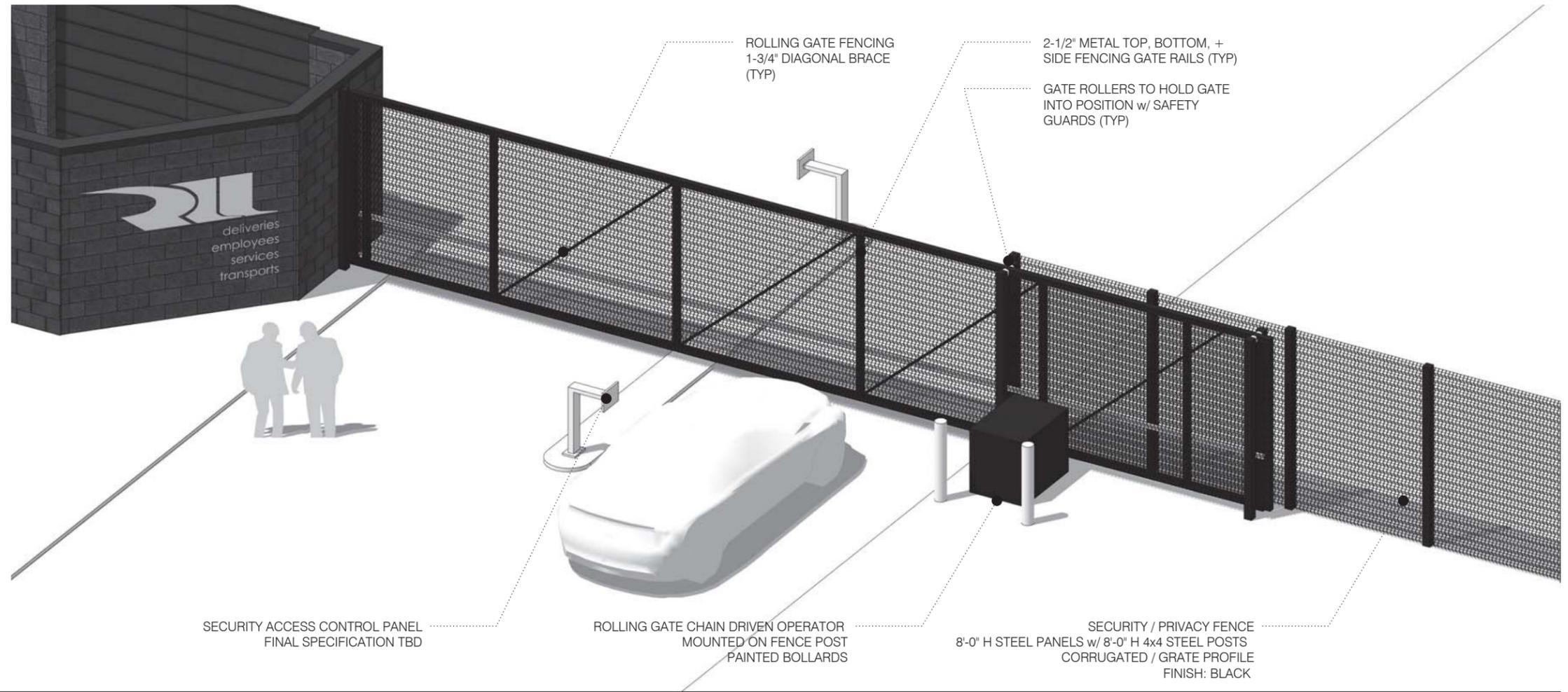




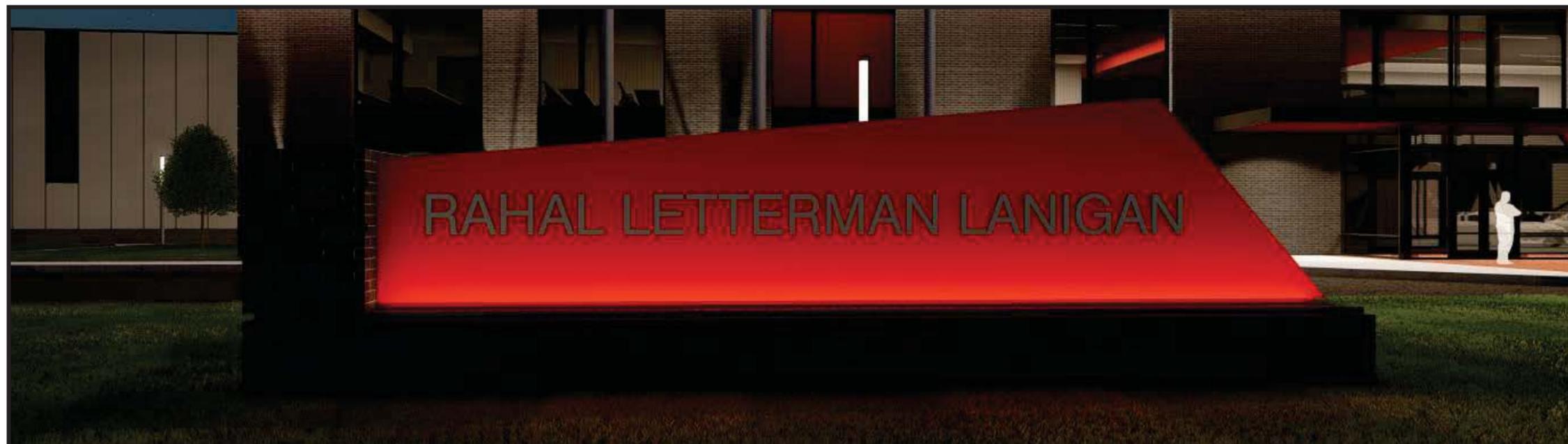




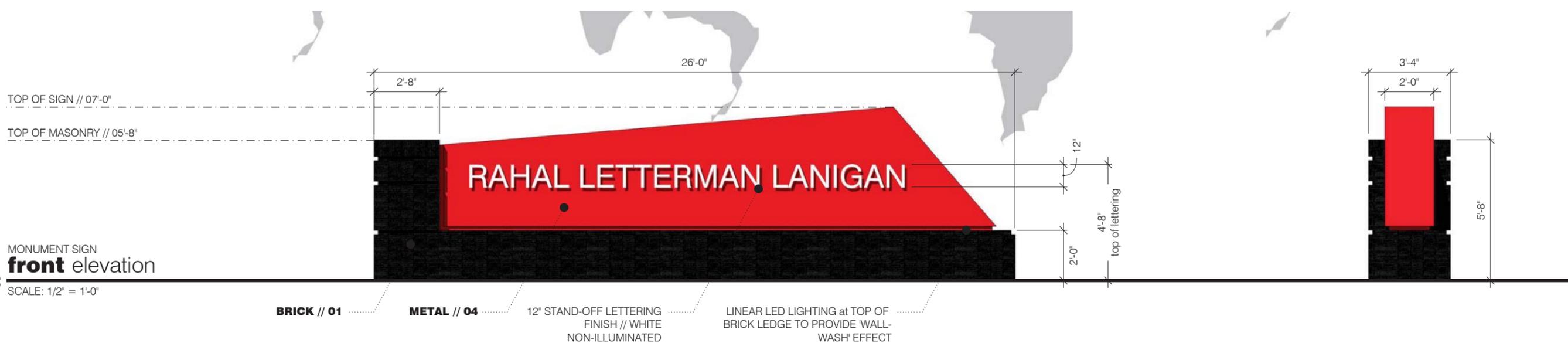
**01 intent** // security fencing



**MOTORIZED GATE**  
**axonometric**  
NOT TO SCALE

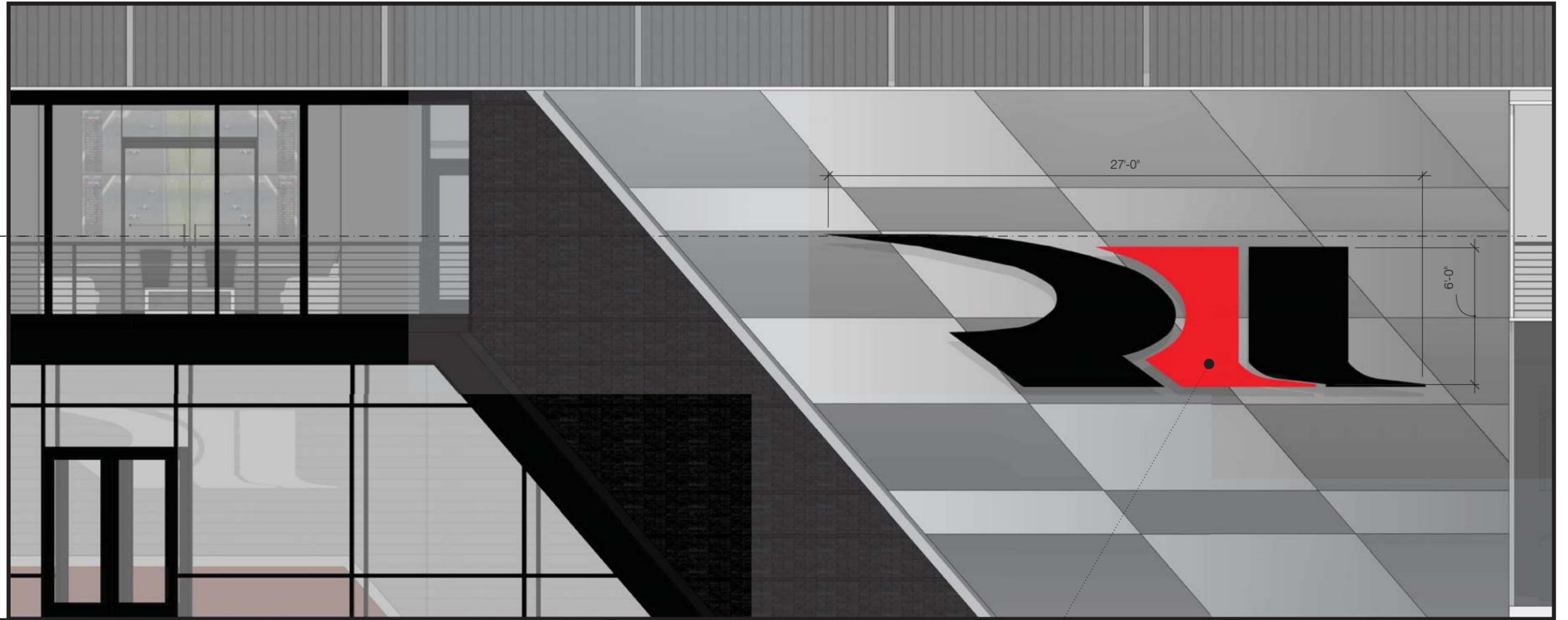


N  **night** render  
NOT TO SCALE





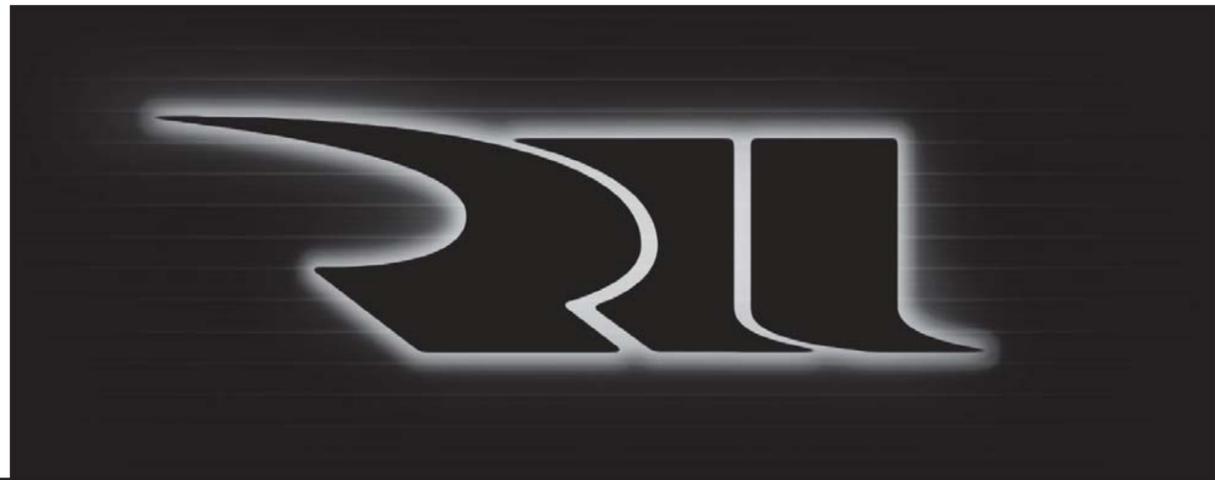
N  **night** render  
NOT TO SCALE



TOP OF SIGNAGE // 18'-0"

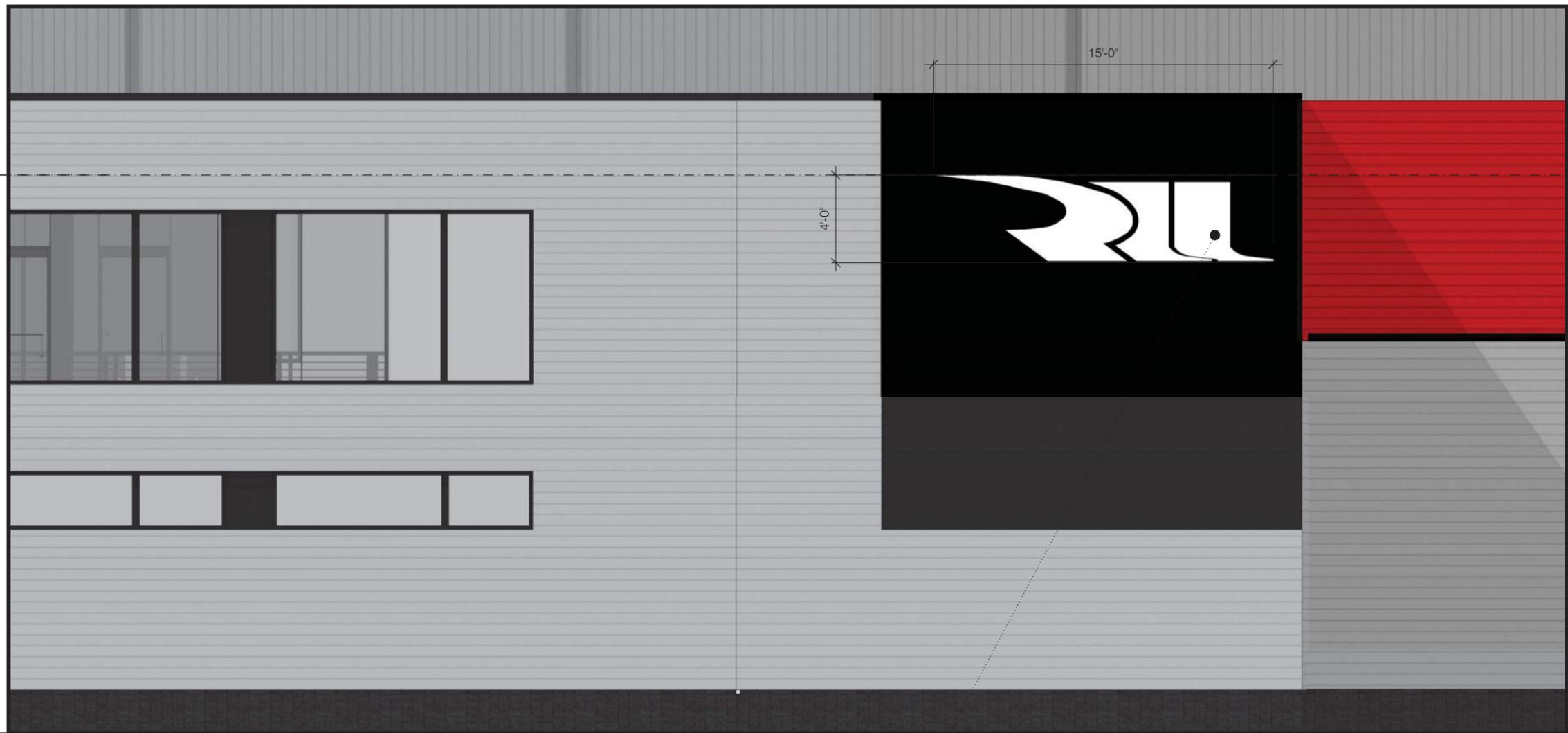
N  **west** elevation  
SCALE: 3/8" = 1'-0"

WALL-MOUNTED RLL LOGO BRAND SIGNAGE  
FINISH // ACRYLLIC BRAND COLORS (BLACK / RED / BLACK)  
ILLUMINATION // HALO (BACK-LIT)



N  
**night render**  
 NOT TO SCALE

TOP OF SIGNAGE // 25'-0"



N  
**south elevation**  
 SCALE: 3/8" = 1'-0"

WALL-MOUNTED RLL LOGO BRAND SIGNAGE  
 FINISH // WHITE ACRYLIC  
 ILLUMINATION // HALO (BACK-LIT)



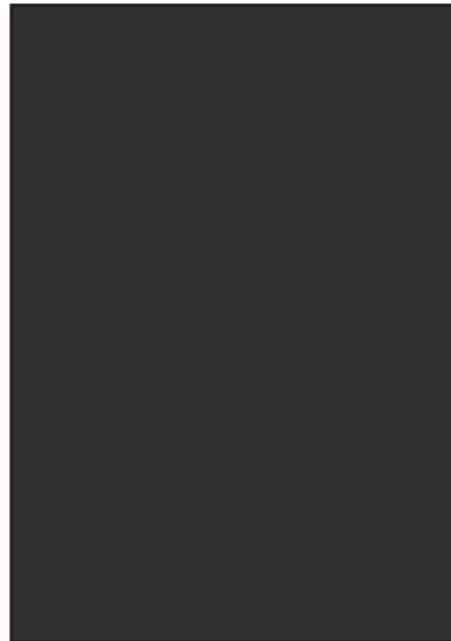
**METAL // 01**

manufacturer // DMI  
product // 7.2 panel - WP72  
color // metallic silver  
install // horizontal  
location // typical wall



**METAL // 02**

manufacturer // DMI  
product // 7.2 panel - WP72  
color // RLL brand red  
install // horizontal  
location // accent massing



**METAL // 03**

manufacturer // alucobond  
product // aluminum composite panel  
color // tri-corn black  
install // smooth  
location // fascia, banding



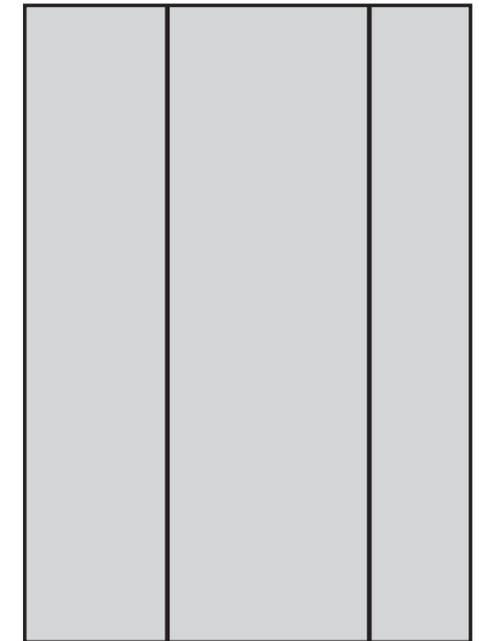
**METAL // 04**

manufacturer // alucobond  
product // aluminum composite panel  
color // RLL brand red  
install // smooth  
location // accent, canopy underside



**METAL // 05**

manufacturer // alpolic  
product // aluminum composite panel  
color // stainless steel - hairline  
install // rotate panels  
location // front brand wall



**METAL // 06**

manufacturer // butler  
product // insulated wall system  
color // cool igloo white  
install // flat  
location // truck bays



**BRICK // 01**

manufacturer // glen gery  
product // face brick  
color // carbon black  
install // norman  
mortar // SM800 black  
location // front masonry



**CMU // 01**

manufacturer // oberfields  
product // concrete masonry unit  
color // paint black  
install // split-face and smooth  
mortar // paint black  
location // base, trash enclosure



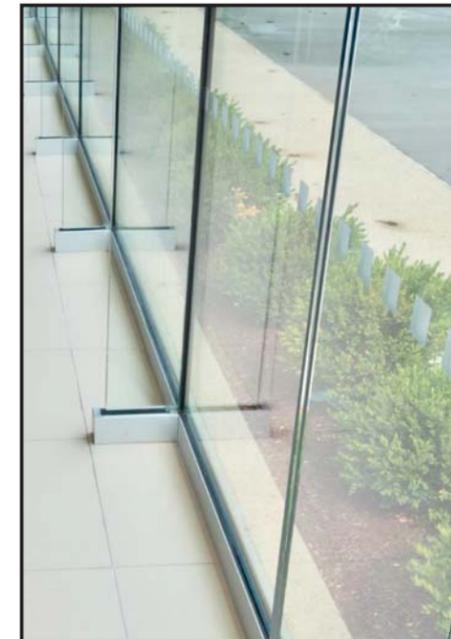
**STONE // 01**

manufacturer // provia stone  
product // stacked stone veneer  
color // limestone  
install // match development stone  
location // exposed foundation



**GL // 01**

manufacturer // kawneer  
product // storefront glazing system  
color // black frame  
install // insulated clear glazing  
location // typical window opening



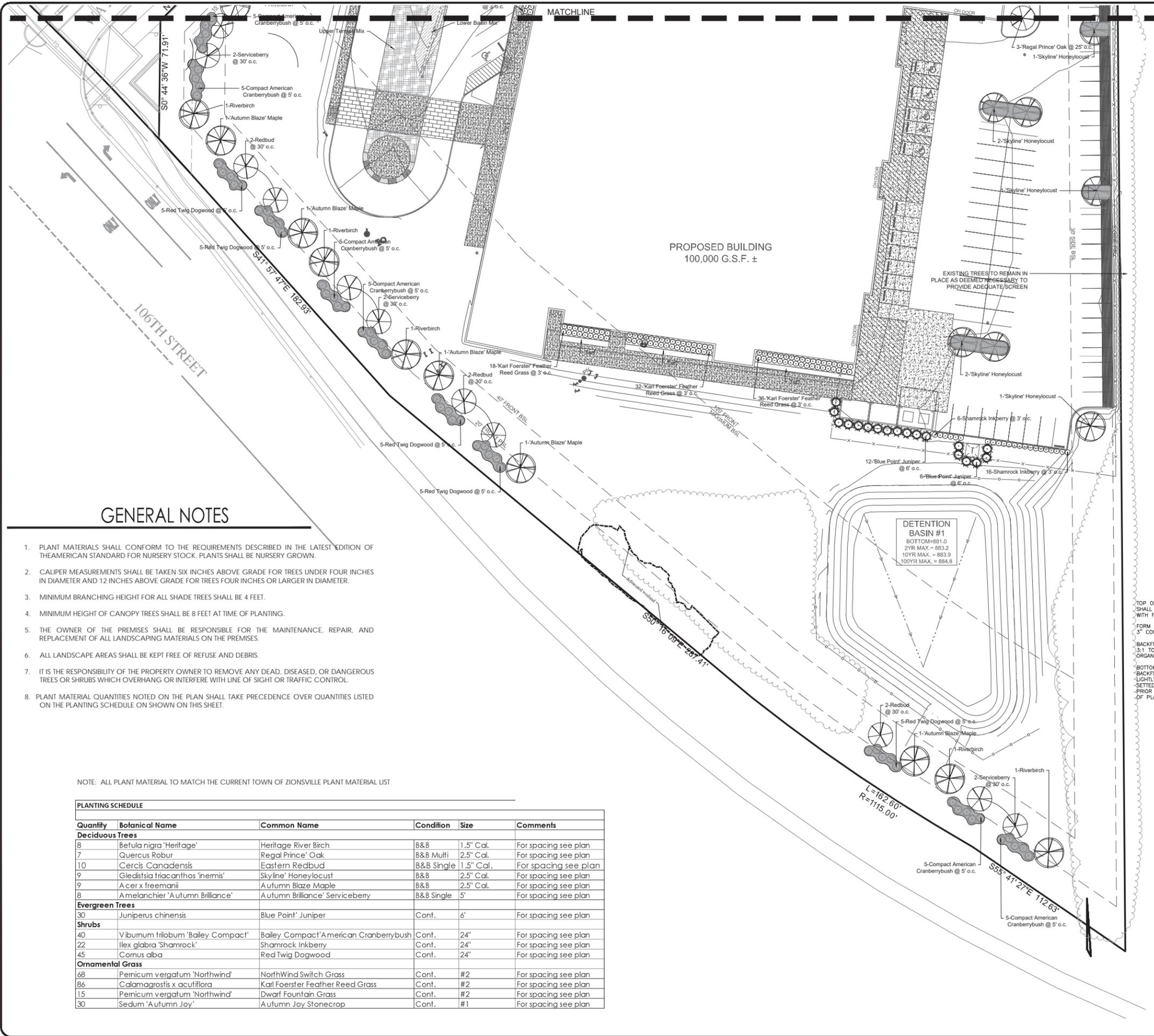
**GL // 02**

manufacturer // old castle  
product // curtain wall  
color // butt-joint system  
install // insulated clear glazing  
location // showroom corner

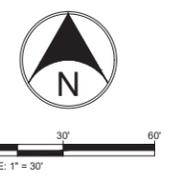


**GL // 03**

manufacturer // kawneer  
product // storefront glazing system  
color // clear anodized frame  
install // insulated translucent glazing  
location // clerestory windows

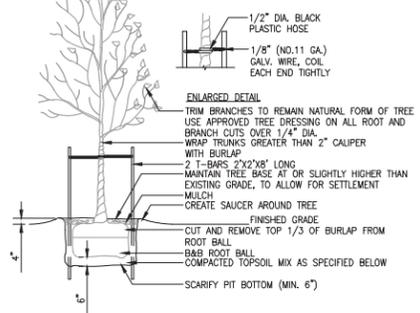


"IT'S THE LAW"  
**811**  
 Know what's below.  
 Call before you dig.  
 2 WORKING DAYS BEFORE YOU DIG.



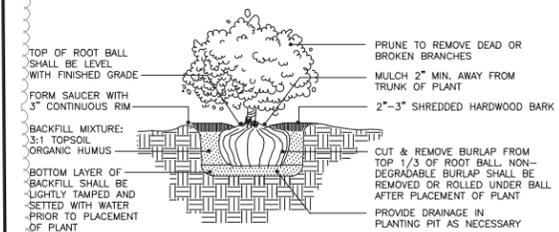
**SYMBOL LEGEND**

- EXISTING TREE
- PROPOSED CANOPY TREE
- PROPOSED ORNAMENTAL TREE
- PROPOSED EVERGREEN TREE
- PROPOSED SHRUB
- MULCH REQUIRED
- UPPER TERRACE SEED MIX
- LOWER BASIN SEED MIX



- SPECIFICATIONS:**
1. TOPSOIL MIX, TOP 6 INCHES OF SOIL TO BE A 50/50 MIX OF NATIVE SOIL AND GENERAL PLANTING MIX.
  2. DO NOT DAMAGE MAIN ROOTS OR DESTROY ROOT BALL WHEN INSTALLING TREE STAKE.
  3. WATER THOROUGHLY AFTER INSTALLATION.
  4. REMOVE TREE RINGS AND STAKES TWO YEARS AFTER INSTALLATION.
  5. PROVIDE DRAINAGE FOR PLANTING PIT IN IMPERMEABLE SOIL.
  6. ALL TREES MUST BE TAGGED AND APPROVED BY CONSULTANT WITHIN 14 DAYS AFTER TENDER CLOSING.

**TREE PLANTING DETAIL**



**SHRUB PLANTING DETAIL**

**GENERAL NOTES**

1. PLANT MATERIALS SHALL CONFORM TO THE REQUIREMENTS DESCRIBED IN THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK. PLANTS SHALL BE NURSERY GROWN.
2. CALIPER MEASUREMENTS SHALL BE TAKEN SIX INCHES ABOVE GRADE FOR TREES UNDER FOUR INCHES IN DIAMETER AND 12 INCHES ABOVE GRADE FOR TREES FOUR INCHES OR LARGER IN DIAMETER.
3. MINIMUM BRANCHING HEIGHT FOR ALL SHADE TREES SHALL BE 4 FEET.
4. MINIMUM HEIGHT OF CANOPY TREES SHALL BE 8 FEET AT TIME OF PLANTING.
5. THE OWNER OF THE PREMISES SHALL BE RESPONSIBLE FOR THE MAINTENANCE, REPAIR, AND REPLACEMENT OF ALL LANDSCAPING MATERIALS ON THE PREMISES.
6. ALL LANDSCAPE AREAS SHALL BE KEPT FREE OF REFUSE AND DEBRIS.
7. IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO REMOVE ANY DEAD, DISEASED, OR DANGEROUS TREES OR SHRUBS WHICH OVERHANG OR INTERFERE WITH LINE OF SIGHT OR TRAFFIC CONTROL.
8. PLANT MATERIAL QUANTITIES NOTED ON THE PLAN SHALL TAKE PRECEDENCE OVER QUANTITIES LISTED ON THE PLANTING SCHEDULE ON SHOWN ON THIS SHEET.

NOTE: ALL PLANT MATERIAL TO MATCH THE CURRENT TOWN OF ZIONSVILLE PLANT MATERIAL LIST

**PLANTING SCHEDULE**

Quantity	Botanical Name	Common Name	Condition	Size	Comments
<b>Deciduous Trees</b>					
8	Betula nigra 'Heritage'	Heritage River Birch	B&B	1.5" Cal.	For spacing see plan
7	Quercus Robur	Regal Prince' Oak	B&B Multi	2.5" Cal.	For spacing see plan
10	Cercis Canadensis	Eastern Redbud	B&B Single	1.5" Cal.	For spacing see plan
9	Gleditsia triacanthos 'inermis'	Skyline' Honeylocust	B&B	2.5" Cal.	For spacing see plan
9	Acer x freemanii	Autumn Blaze Maple	B&B	2.5" Cal.	For spacing see plan
8	Amelanchier 'Autumn Brilliance'	Autumn Brilliance' Serviceberry	B&B Single	5'	For spacing see plan
<b>Evergreen Trees</b>					
30	Juniperus chinensis	Blue Point' Juniper	Cont.	6'	For spacing see plan
<b>Shrubs</b>					
40	Viburnum trilobum 'Bailey Compact'	Bailey Compact' American Cranberrybush	Cont.	24"	For spacing see plan
22	Ilex glabra 'Shamrock'	Shamrock Inkberry	Cont.	24"	For spacing see plan
45	Cornus alba	Red Twig Dogwood	Cont.	24"	For spacing see plan
<b>Ornamental Grass</b>					
68	Panicum vergatum 'Northwind'	NorthWind Switch Grass	Cont.	#2	For spacing see plan
86	Calamagrostis x acutiflora	Karl Foerster Feather Reed Grass	Cont.	#2	For spacing see plan
15	Panicum vergatum 'Northwind'	Dwarf Fountain Grass	Cont.	#2	For spacing see plan
30	Sedum 'Autumn Joy'	Autumn Joy Stonecrop	Cont.	#1	For spacing see plan

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 www.Fritz-Eng.com  
 ashton@Fritz-Eng.com

ASHTON / APPROVAL PENDING  
 NOT FOR CONSTRUCTION  
 CIVIL ENGINEER

NO.	REVISIONS AND ISSUES	DATE	BY
1.	TAC COMMENTS	10/2/2020	AF

PROJECT TEAM:  
**RENIER CONSTRUCTION**  
 2164 Citygate Drive  
 Columbus, Ohio 43219  
 P: 614.866.4500 F: 614.866.0115  
 www.Renier.com

**archall**  
 49 E. 3rd Avenue  
 Columbus, Ohio 43201  
 P: 614.469.7500 www.archall.com

PROJECT:  
**RLR RACING HEADQUARTERS ZIONSVILLE**  
 PROJECT LOCATION:  
 10815 CREEK WAY  
 ZIONSVILLE, INDIANA 46077  
 BOONE COUNTY  
 SECTION, TOWNSHIP, RANGE:  
 SW 1/4, S1, T17N, R2E

CLIENT:  
**RENIER CONSTRUCTION**  
 2164 CITYGATE DRIVE  
 COLUMBUS, OHIO 43219

PLAN DATE:  
**9/15/2020**  
 DESIGN: AF CHECK: AF DRAWN: KG  
 PROJECT NO.:  
**2008003**  
 SHEET NAME:  
**LANDSCAPE PLAN & DETAILS**  
 SHEET NO.:  
**L101**



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1. TAC COMMENTS	10/2/2020	AF
REVISIONS AND ISSUES	DATE	BY

PROJECT TEAM:

**RENIER CONSTRUCTION**  
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**RAHAL LETTERMAN LANGAN**  
 485 Southpointe Circle, Suite 900  
 Brownsburg, Indiana 46112  
 P: 317.858.3717 www.Rahal.com

**archall**  
 49 E. 3rd Avenue  
 Columbus, Ohio 43201  
 P: 614.469.7500 www.archall.com

PROJECT:

**RLR RACING HEADQUARTERS ZIONSVILLE**

PROJECT LOCATION:  
 10815 CREEK WAY  
 ZIONSVILLE, INDIANA 46077  
 BOONE COUNTY

SECTION, TOWNSHIP, RANGE:  
 SW ¼, S1, T17N, R2E

CLIENT:

**RENIER CONSTRUCTION**

2164 CITYGATE DRIVE  
 COLUMBUS, OHIO 43219

PLAN DATE:  
**9/15/2020**

DESIGN: AF CHECK: AF DRAWN: RG

PROJECT NO.:  
**2008003**

SHEET NAME:  
**LANDSCAPE SPECS & DETAILS**

SHEET NO.:  
**L103**

NOTE: SEE SHEET THIS SHEET FOR SEED MIX INSTALLATION SPECIFICATIONS

**Sedge Meadow Seed Mix for Upper Terrace**

Grasses and Sedges	
oz/acre	
1	Carex comosa (Bristly Sedge)
1	Carex cristata (Crested Sedge)
5	Carex frankii (Frank's Sedge)
1.5	Carex granularis (Meadow Sedge)
2	Carex hystericina (Porcupine Sedge)
2	Carex lurida (Lurid Sedge)
1	Carex tribuloides (Pointed Oval Sedge)
4	Carex vulpinoidea (Fox Sedge)
64	Elymus virginicus (Virginia Wild Rye)
4	Glyceria striata (Fowl Manna Grass)
4	Leersia oryzoides (Rice Cut Grass)
4	Panicum virgatum (Switchgrass)
0.5	Scirpus atrovirens (Dark Green Bulrush)
2	Spartina pectinata (Prairie Cordgrass)
96	
Forbs	
2	Angelica atropurpurea (Angelica)
2	Asclepias incarnata (Swamp Milkweed)
1	Aster firmus (Shining Aster)
1	Aster novae-angliae (New England Aster)
1	Aster puniceus (Swamp Aster)
1	Aster umbellatus (Flat-topped Aster)
1	Boltonia latifolia (False Aster)
3	Cassia hebecarpa (Wild Senna)
2	Eupatorium maculatum (Spotted Joe-Pye Weed)
2	Eupatorium perfoliatum (Boneset)
2	Helenium autumnale (Autumn Sneezeweed)
2	Liatris spicata (Dense Blazing Star)
0.25	Lobelia cardinalis (Cardinal Flower)
0.25	Lobelia siphilitica (Great Blue Lobelia)
0.5	Mimulus ringens (Monkey Flower)
1	Penstemon digitalis (Foxglove Beardtongue)
1	Pycnanthemum virginianum (Mountain Mint)
3	Rudbeckia fulgida speciosa (Showy Black-Eyed Susan)
4	Rudbeckia hirta (Black-Eyed Susan)
3	Rudbeckia subtomentosa (Sweet Black-Eyed Susan)
2	Siphium integrifolium (Rosinweed)
2	Siphium perfoliatum (Cupplant)
2	Siphium terebinthaceum (Prairie Dock)
1	Solidago patula (Swamp Goldenrod)
2	Solidago rigida (Riddle's Goldenrod)
2	Verbena hastata (Blue Vervain)
2	Vernonia fasciculata (Smooth Ironweed)
1	Veronicastrum virginicum (Culver's Root)
1	Zizia aurea (Golden Alexanders)
48	

**BioRetention Seed Mix For Lower Basin**

Grasses and Sedges	
4	Carex annectans xanthocarpa (Yellow Fox Sedge)
6	Carex frankii (Frank's Sedge)
2	Carex granularis (Meadow Sedge)
1	Carex molesta (Field Oval Sedge)
1	Carex scoparia (Lance-fruited Oval Sedge)
6	Carex vulpinoidea (Fox Sedge)
16	Elymus riparius (Riverbank Wild Rye)
48	Elymus virginicus (Virginia Wild Rye)
8	Panicum virgatum (Switchgrass)
16	Schizachyrium scoparium (Little Bluestem)
2	Scirpus atrovirens (Dark Green Bulrush)
2	Scirpus pendulus (Reddish Bulrush)
112	
Forbs	
2	Asclepias incarnata (Marsh Milkweed)
1	Aster firmus (Shining Aster)
1	Aster novae-angliae (New England Aster)
2	Cassia hebecarpa (Wild Senna)
1	Eupatorium perfoliatum (Boneset)
1	Helenium autumnale (Autumn Sneezeweed)
2	Liatris spicata (Dense Blazing Star)
0.5	Lobelia cardinalis (Cardinal Flower)
0.5	Lobelia siphilitica (Great Blue Lobelia)
1	Lycopus americanus (Water Horehound)
1	Penstemon digitalis (Foxglove Beardtongue)
1	Pycnanthemum virginianum (Mountain Mint)
3	Rudbeckia fulgida speciosa (Showy Black-Eyed Susan)
3	Rudbeckia hirta (Black-Eyed Susan)
2	Solidago rigida (Riddle's Goldenrod)
2	Verbena hastata (Blue Vervain)
2	Vernonia fasciculata (Smooth Ironweed)
2	Zizia aurea (Golden Alexanders)
28	

## INFILTRATION TRENCH VEGETATION NOTES

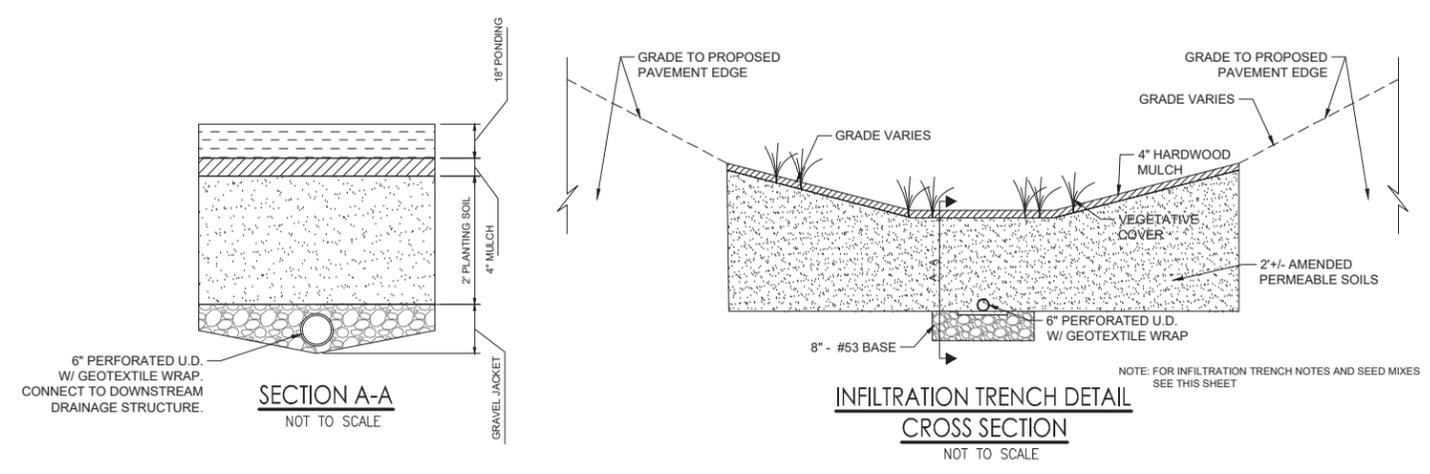
### INFILTRATION TRENCH BASIN PLANTING SPECIFICATIONS

- PREPARATION
- IF VEGETATION INCLUDING COVER CROP EXISTS ON THE SITE, APPLY A 2% GLYPHOSATE HERBICIDE AT LEAST TWO WEEKS PRIOR TO INSTALLATION ON ALL ACTIVELY GROWING VEGETATION. VERIFY THAT A GOOD KILL HAS RESULTED FROM THE HERBICIDE APPLICATION PRIOR TO PLANTING.
  - SPREAD SPECIFIED MULCH TO A DEPTH OF TWO INCHES ACROSS THE AREA TO BE PLUGGED.
  - DO NOT APPLY ANY FERTILIZER.
- INSTALLATION
- PLANT PLUGS
- USE AN AUGER OR OTHER APPROPRIATE TOOL TO EXCAVATE PLANTING HOLES ON 1 FOOT CENTERS IN A STAGGERED PATTERN.
  - EVENLY DISTRIBUTE GRASSES AND SEDGES THROUGHOUT PLANTING. PLACE WILDFLOWERS IN INFORMAL DRIFTS OF 3-7 OF ANY ONE SPECIES WITH THE EDGES BLENDED INTO ADJACENT SPECIES TO AVOID A FORMAL APPEARANCE.
  - PLANT PLUGS LEVEL WITH EXISTING SOIL GRADE. BE CERTAIN THAT SOIL IS PLACED AROUND THE PLUGS AND FIRMED INTO PLACE. DO NOT FILL AROUND PLUGS WITH MULCH.
  - THOROUGHLY SOAK PLUGGED AREA WITH WATER UNTIL SOIL IS MOIST TO A DEPTH OF 4 INCHES.
- SEEDING
- PLACE A PORTION OF THE SEED IN A CLEAN, DRY 5 GALLON BUCKET. MIX 2 PARTS COARSE SAND WITH 1 PART SEED. THOROUGHLY MIX SEED AND SAND.
  - HAND BROADCAST SEED/SAND MIXTURE ACROSS THE SPECIFIED TILLED AREA. APPLY HALF THE SEED/SAND MIXTURE OVER THE ENTIRE AREA. APPLY THE SECOND HALF OVER THE SAME AREA UTILIZING THE SAME PROCEDURE. THIS METHOD PREVENTS USING ALL OF THE SEED BEFORE THE ENTIRE AREA IS COVERED.
  - LIGHTLY FIRM SEED BED WITH A ROLLER WHERE SOIL MOISTURE PERMITS. DO NOT ROLL AREAS WHERE SOIL IS MOIST ENOUGH TO STICK TO THE ROLLER.
  - APPLY 1 WIDTH OF EROSION BLANKET STARTING JUST ABOVE THE NORMAL WATERLINE. SECURE WITH 2 STAPLES PER SQUARE YD.

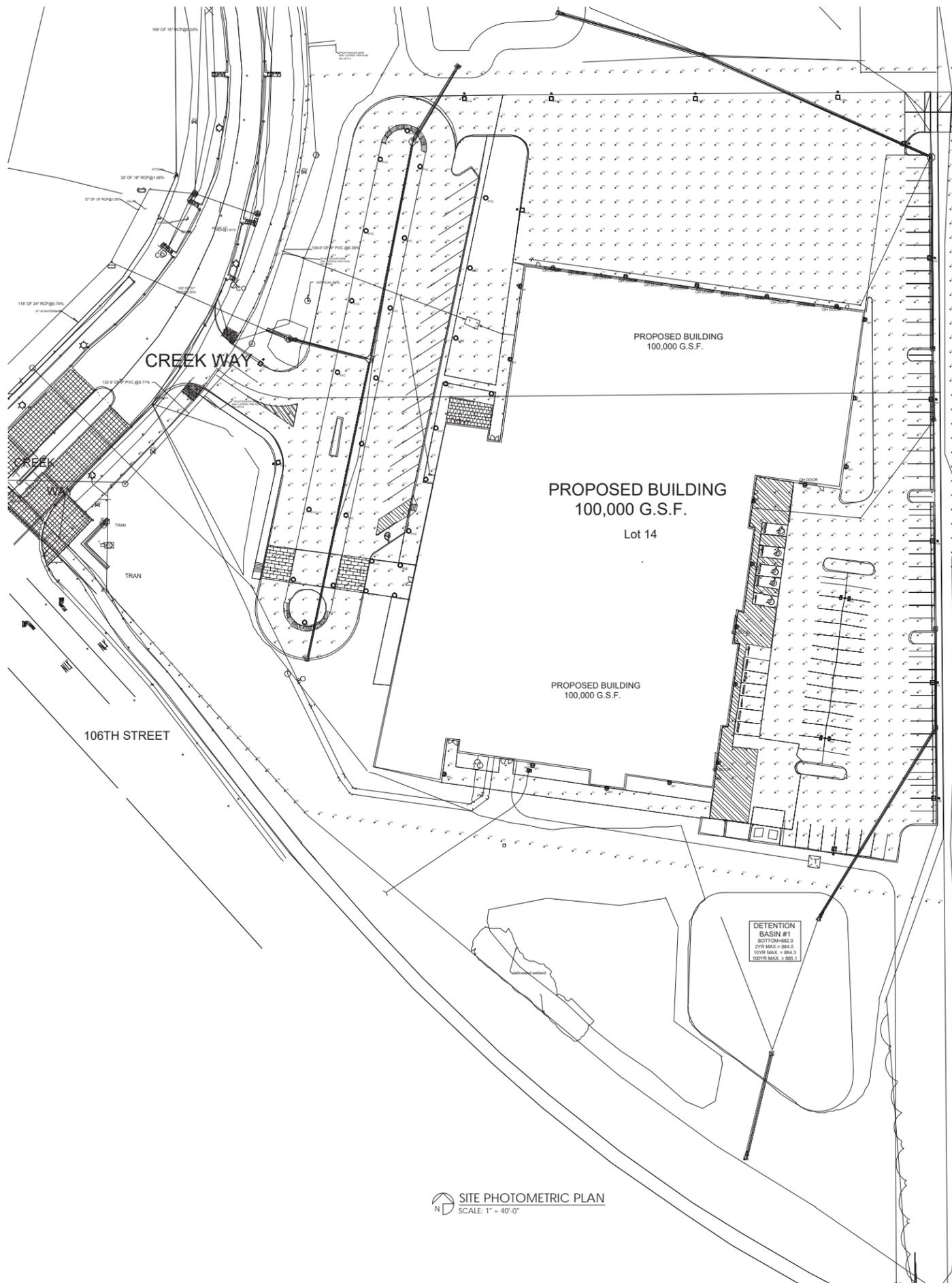
### AMENDED PERMEABLE SOIL MIX REQUIREMENTS

DESCRIPTION	REQUIREMENT
SOIL TYPES	40% TOPSOIL 30% SAND 30% COMPOST
% COMPOST BY VOLUME	40%
% AGGREGATE BY VOLUME	60%
% FINES	3% MAX.
HYDRAULIC CONDUCTIVITY PER ASTM D2434 AT 85% COMPACTED PER ASTM D1557	1 INCH PER HOUR (MINIMUM)
ORGANIC MATTER CONTACT PER ASTM D2974	10% MIN.
SOIL Ph	5.5 - 6.5
ORGANIC CONTENT	1.5% - 3%
SOLUBLE SALTS (MAX. CONCENTRATION)	500 ppm
% FINES PASSING #200 SIEVE	3% MAX.

NOTES:  
 - AMENDED SOIL MIXES SHALL BE APPROVED BY ENGINEER AND CITY OF INDIANAPOLIS PRIOR TO PLACEMENT. SOILS SHALL BE DESIGNED USING DARCY'S LAW EQUATION WITH A FILTER BED DRAIN TIME OF 48 HOURS AND A COEFFICIENT OF PERMEABILITY (K) OF 0.5 FT/DAY.  
 CONTRACTOR SHALL PROVIDE INDEPENDENT TESTING RESULTS SHOWING THESE CRITERIA HAVE BEEN MET.



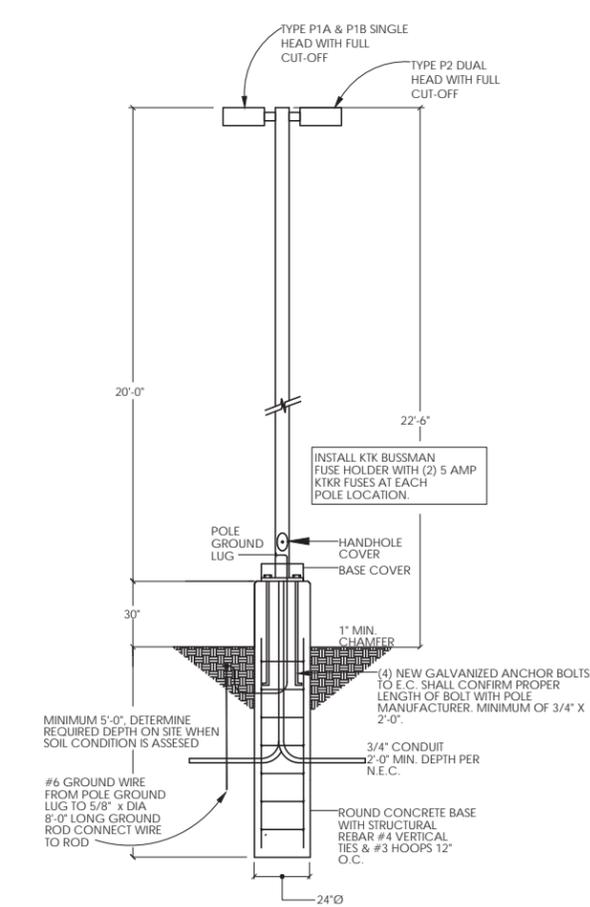
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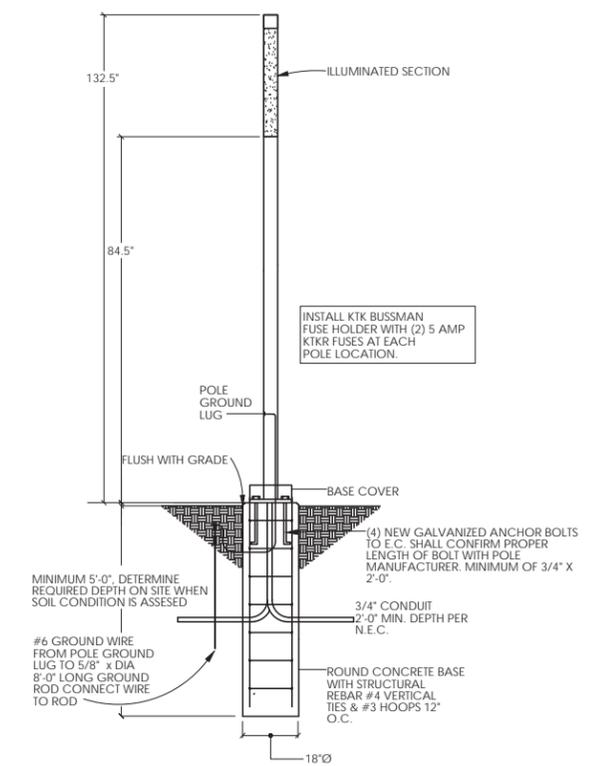
**SITE PHOTOMETRIC PLAN**  
SCALE: 1" = 40'-0"

Symbol	Label	Image	QTY	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens per luminaire	Lumens Multiple	LLF	Wattage	Efficiency	Distribution	Polar Plot	Notes
	P1A		14	Lithonia Lighting	RSX1 LED P2 40K R4 HS	RSX Area Fixture Size 1 P2 Luminaire Package 4000K CCT Type R4 Distributor with HS Shield		1	RSX1_LED_P2_40K_R4_HS.lis	7245	1	1	72,940	100%	TYPE IV, SHCIRT, BUG RATING: B1 - U0 - C2		
	P1B		5	Lithonia Lighting	RSX1 LED P2 40K R3	RSX Area Fixture Size 1 P2 Luminaire Package 4000K CCT Type R3 Distribution		1	RSX1_LED_P2_40K_R3.lis	9843	1	1	72,95	100%	TYPE II, SHCIRT, BUG RATING: B2 - U0 - C2		
	P2		2	Lithonia Lighting	RSX1 LED P2 40K R4	RSX Area Fixture Size 1 P2 Luminaire Package 4000K CCT Type R4 Distribution		1	RSX1_LED_P2_40K_R4.lis	9872	1	1	145.9	100%	TYPE IV, SHCIRT, BUG RATING: B2 - U0 - C2		
	P1C		27	Forma+Surface		Light Column Pedestrian, Series 600	32W Custom light engine, Cree XHB LED	384	LPLCD_P12_LED_HS.lis	11	1	1	38.4	88%			
	W1		20	Lithonia Lighting	ARC2 LED P5 40K	ARC2 LED WITH P5 - PERFORMANCE PACKAGE, 4000K		1	ARC2_LED_P5_40K.lis	6615	1	1	61,200	100%	TYPE II, VERY SHCIRT, BUG RATING: B1 - U0 - S1		

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
East Employee Parking Lot	+	2.9 fc	7.4 fc	0.7 fc	10.6:1	4.1:1
Hauler Lot	+	1.8 fc	6.3 fc	0.2 fc	31.5:1	9.0:1
Property Line	+	0.3 fc	1.8 fc	0.0 fc	N/A	N/A
Supplemental Drive	+	2.0 fc	4.4 fc	0.9 fc	4.9:1	2.2:1
Visitors entrance and lot	+	1.4 fc	5.7 fc	0.3 fc	19.0:1	4.7:1
Walkway South End	+	3.1 fc	5.3 fc	1.2 fc	4.4:1	2.6:1



**A POLE BASE DETAIL FOR P1A AND P1B AND P2 POLES**  
SCALE: N.T.S.



**B POLE BASE DETAIL FOR P1C POLES**  
SCALE: N.T.S.

**DRAWING SET**

	09/15/2020	preliminary
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**REVISIONS**


**SEAL**

PROJECT NUMBER

SHEET TITLE

SHEET NUMBER **SITE PHOTOMETRIC PLAN**

**SE0.01**



**LIGHT COLUMN PEDESTRIAN**

PRODUCT DATA





## LIGHT COLUMN PEDESTRIAN

PRODUCT DATA

Sleek in stainless steel, **Light Column Pedestrian Lighting** integrates into a wide range of settings and offers numerous design possibilities. Fixtures are available in 5" or 6" diameters. Illumination options include LED or linear fluorescent lamps and multiple ways to direct light: no shield for symmetrical lighting, or 180° and 360° shields in standard or custom designs. Coordinating Light Column Pathway Bollards and Light Column Bollards in illuminated, RGBW, non-illuminated, and security core variations make it easy to create a cohesive look across functionalities.

### MATERIAL & CONSTRUCTION DETAILS

CONFIGURATION	MATERIALS & FINISHES	FLUORESCENT LAMPS & BALLASTS
<ul style="list-style-type: none"> <li>Light Column Pedestrians are available in two sizes. Series 500 columns use 5" (127 mm) diameter tubular stainless steel; Series 600 columns use 6" (152 mm) diameter tubular stainless steel.</li> <li>Heads consist of a white-frosted acrylic lens and stainless steel head cap.</li> <li>Weather resistant GFCI outlet for maintenance access is available for Series 600 pedestrians. See drawings on our website for details.</li> <li>Door for optional GFCI outlet is accessed using a flathead screwdriver.</li> </ul>	<ul style="list-style-type: none"> <li>Standard stainless steel finish is Satin.</li> <li>For optional powdercoat colors see the Forms+Surfaces Powdercoat Chart. Custom RAL colors are available for an upcharge.</li> </ul>	<ul style="list-style-type: none"> <li>Linear fluorescent lamps are available in two options. See lamp information on page 5.</li> <li>Ballast is an electronic, thermally protected (universal input voltage) 120/277V for two F32T8, F48T8HO and equivalent T8 lamps with less than 10% THD &amp; 0° F starting temp.</li> </ul>
WEIGHT	SHIELD OPTIONS	LED LAMPS & DRIVERS
<ul style="list-style-type: none"> <li>Series 500: 65 lbs (29 kg)</li> <li>Series 600: 75 lbs (34 kg)</li> </ul>	<ul style="list-style-type: none"> <li>Six standard shield designs are available for an upcharge. Refer to pages 3 and 4 for details.</li> <li>Custom shield designs with either 180° or 360° coverage are also available.</li> </ul>	<ul style="list-style-type: none"> <li>Custom LED light engine with Cree® LEDs.</li> <li>Features advanced LED technology with 32W, 3000K warm white and 4000K natural white LEDs.</li> <li>LED driver input power is 90-305V.</li> <li>Driver has 0-10V dimming capabilities.</li> <li>LED driver certifications include: IP67 (waterproof) enclosure, and Class 2 rated output.</li> </ul>

### INSTALLATION & MAINTENANCE

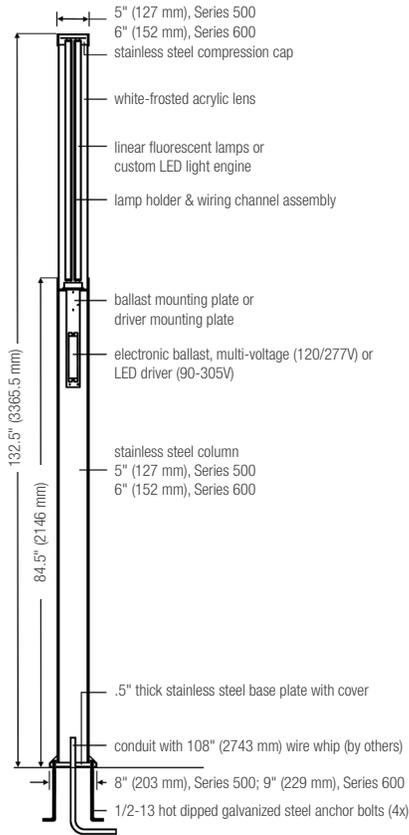
INSTALLATION	MAINTENANCE
<ul style="list-style-type: none"> <li>1/2" stainless steel base plate with cover. 1/2"-13x18" galvanized steel J-bolt anchors. Base plate is slotted for rotational capability.</li> <li>Installation of a surge protector as part of each units wiring is recommended.</li> <li>Necessary hardware is included. Template is available upon request.</li> </ul>	<ul style="list-style-type: none"> <li>Metal surfaces can be cleaned as needed using a soft cloth or brush with warm water and a mild detergent. Avoid abrasive cleaners.</li> </ul>



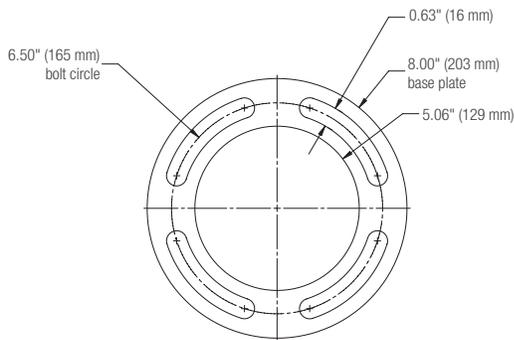
# LIGHT COLUMN PEDESTRIAN

PRODUCT DATA

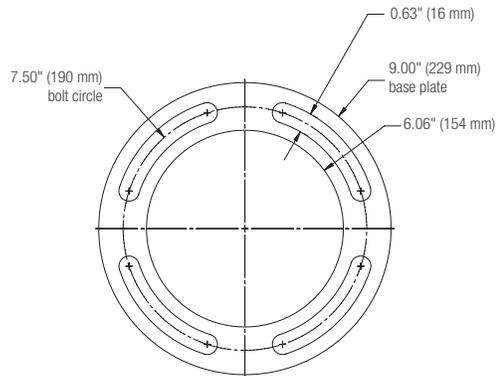
## NOMINAL DIMENSIONS



### BASE PLATE MOUNTING DETAIL (SERIES 500)



### BASE PLATE MOUNTING DETAIL (SERIES 600)

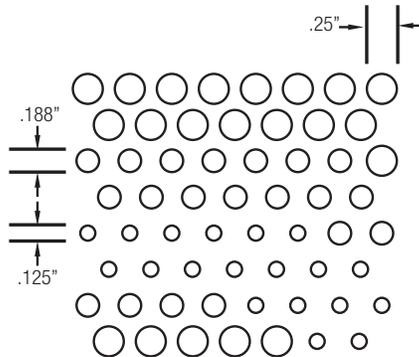
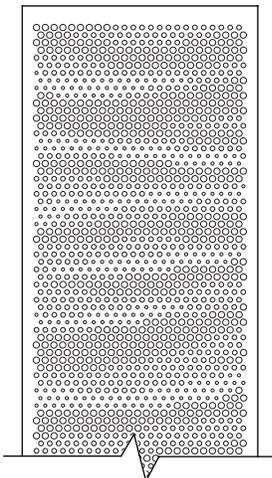
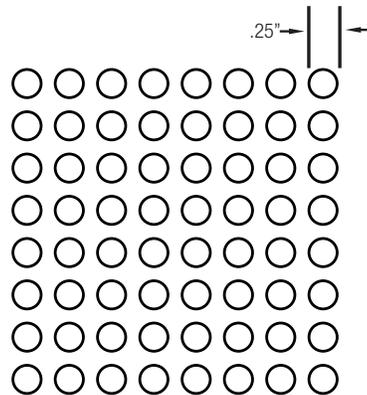
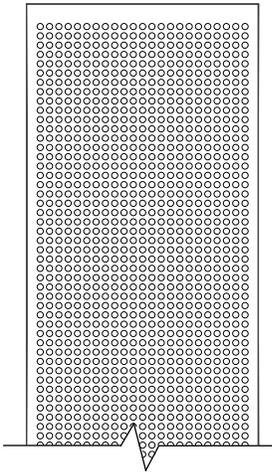
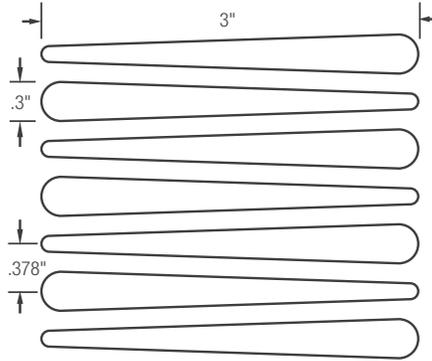
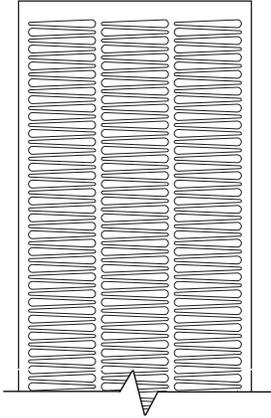




# LIGHT COLUMN PEDESTRIAN

PRODUCT DATA

## STANDARD SHIELD DESIGNS



## KENTE

	Series 500	Series 600
180 Pedestrian	N/A	•
360 Pedestrian	N/A	N/A
180 Bollard	N/A	•
360 Bollard	N/A	N/A

## PERFORATED

	Series 500	Series 600
180 Pedestrian	•	•
360 Pedestrian	•	•
180 Bollard	•	•
360 Bollard	•	•

## SCAPE

	Series 500	Series 600
180 Pedestrian	•	•
360 Pedestrian	•	•
180 Bollard	•	•
360 Bollard	•	•

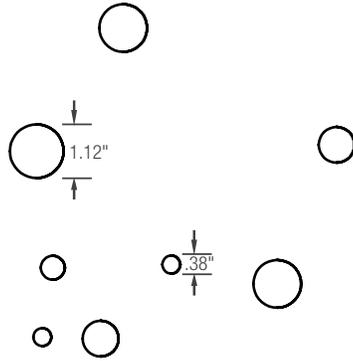
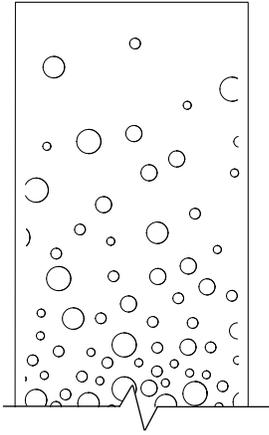
NOTE: "•" indicates that the shield design is available in the selected series and size combination



**LIGHT COLUMN PEDESTRIAN**

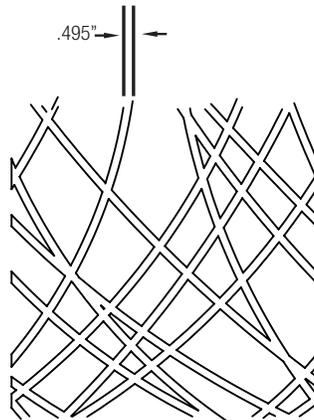
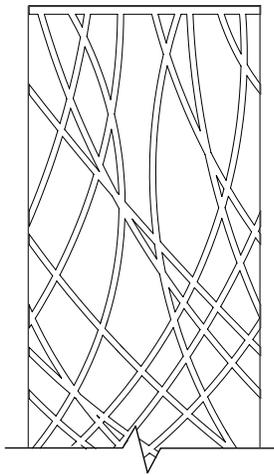
PRODUCT DATA

**STANDARD SHIELD DESIGNS (CONTINUED)**



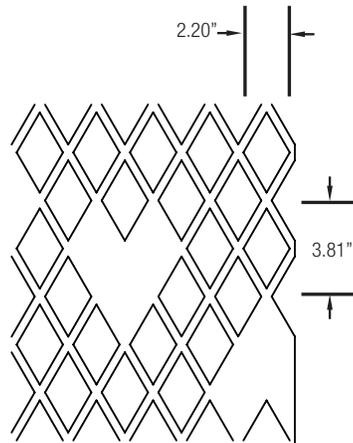
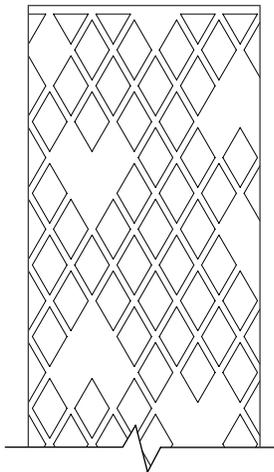
**BUBBLES**

	Series 500	Series 600
180 Pedestrian	•	•
360 Pedestrian	•	•
180 Bollard	•	•
360 Bollard	•	•



**RIBBON**

	Series 500	Series 600
180 Pedestrian	N/A	N/A
360 Pedestrian	•	•
180 Bollard	N/A	N/A
360 Bollard	N/A	N/A



**ARGYLE**

	Series 500	Series 600
180 Pedestrian	N/A	N/A
360 Pedestrian	•	•
180 Bollard	N/A	N/A
360 Bollard	N/A	N/A

NOTE: "•" indicates that the shield design is available in the selected series and size combination



# LIGHT COLUMN PEDESTRIAN

PRODUCT DATA

## LAMP DESCRIPTIONS

LAMP	DESCRIPTION	BASE	COLOR TEMPERATURE	LUMINAIRE LUMENS*		B.U.G. RATING	STARTING TEMPERATURE °C
				500	600		
3000K LED	32W custom LED light engine	N/A	3,000K	3783	3790	B1-U5-G2	-30
4000K LED	32W custom LED light engine	N/A	4,000K	3783	3790	B1-U5-G2	-30
(2) F32T8	32W T8 linear fluorescent	Medium bi-pin	4,100K	4970	5001	B2-U5-G3	N/A
(2) F48T8/HO	48W T8/HO linear fluorescent	Recessed double	4,100K	6783	6897	B2-U5-G3	N/A

\*Luminaire lumens represents the absolute photometry for the luminaire, and indicates the lumens out of the entire fixture.

**NOTE: Polar candela and isofootcandle plots can be found on the Light Column Pedestrian product page on our website.**

## CERTIFICATION

- UL and C-UL listed for wet locations (linear fluorescent).
- ETL and C-ETL listed for wet locations (LED).

## ENVIRONMENTAL CONSIDERATIONS

- Please refer to the Light Column Pedestrian Environmental Data Sheet for detailed environmental impact information.
- Light Column Pedestrian has high recycled content and is highly recyclable.
- Powdercoat finishes are no- or low-VOC, depending on color.
- Low maintenance.

## MODEL NUMBERS AND DESCRIPTIONS

MODEL	DESCRIPTION
LPLCO-512	Light Column Pedestrian, Series 500
LPLCO-612	Light Column Pedestrian, Series 600

## PRODUCT OPTIONS

The following options are available for an upcharge

Add 180° perforated shield in standard designs	GFCI outlet (available for Series 600 pedestrian)
Add 360° perforated shield in standard designs	Add powdercoat color from Forms+Surfaces Powdercoat Chart
Add 180° custom shield (customer supplied artwork)	Custom RAL powdercoat color
Add 360° custom shield (customer supplied artwork)	Custom fixture height

**LEAD TIME:** 6 to 8 weeks. Shorter lead times may be available upon request. Please contact us to discuss your specific timing requirements.

**PRICING:** Please contact us at **800.451.0410** or **sales@forms-surfaces.com**. At Forms+Surfaces, we design, manufacture and sell our products directly to you. Our sales team is available to assist you with questions about our products, requests for quotes, and orders. Territory Managers are located worldwide to assist with the front-end specification and quoting process, and our in-house Project Sales Coordinators follow your project through from the time you place an order to shipment.

**TO ORDER SPECIFY:** Quantity, model, finish, lamp, shield (if applicable). Quote/Order Forms are available on our website to lead you through the specification process in a simple checkbox format.

**NOTE:** Because different computers will render colors and textures differently, actual colors and finishes may vary slightly from those shown here.



# RSX1 LED Area Luminaire

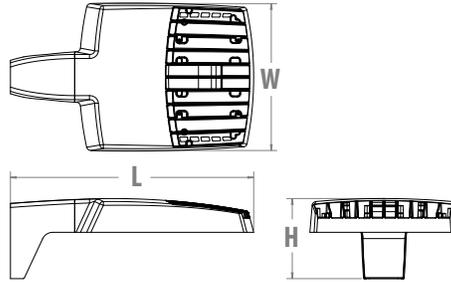


Catalog Number
Notes
Type

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

## Specifications

<b>EPA (ft<sup>2</sup>@0°):</b>	0.57 ft <sup>2</sup> (0.05 m <sup>2</sup> )
<b>Length:</b>	21.8" (55.4 cm) (SPA mount)
<b>Width:</b>	13.3" (33.8 cm)
<b>Height:</b>	3.0" (7.6 cm) Main Body 7.2" (18.4 cm) Arm
<b>Weight: (SPA mount):</b>	22.0 lbs (10.0 kg)



## Introduction

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX1 delivers 7,000 to 17,000 lumens allowing it to replace 70W to 400W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral slipfitter and other mounting configurations are available.

## Ordering Information

**EXAMPLE: RSX1 LED P4 40K R3 MVOLT SPA DDBXD**

RSX1 LED					
Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSX1 LED	P1	30K 3000K	R2 Type 2 Wide	MVOLT (120V-277V) <sup>2</sup>	SPA Square pole mounting (3.0" min. SQ pole for 1 at 90°, 3.5" min. SQ pole for 2, 3, 4 at 90°)
	P2	40K 4000K	R3 Type 3 Wide	HVOLT (347V-480V) <sup>3</sup>	RPA Round pole mounting (3.2" min. dia. RND pole for 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 1 at 90°, 2 at 180°, 3 at 120°)
	P3	50K 5000K	R3S Type 3 Short	<b>(use specific voltage for options as noted)</b>	MA Mast arm adaptor (fits 2-3/8" OD horizontal tenon)
	P4		R4 Type 4 Wide		IS Adjustable slipfitter (fits 2-3/8" OD tenon) <sup>5</sup>
			R4S Type 4 Short		WBA Wall bracket <sup>1</sup>
			R5 Type 5 Wide <sup>1</sup>		WBASC Wall bracket with surface conduit box
			R5S Type 5 Short <sup>1</sup>		AASP Adjustable tilt arm square pole mounting <sup>5</sup>
			AFR Automotive Front Row		AARP Adjustable tilt arm round pole mounting <sup>5</sup>
			AFRR90 Automotive Front Row Right Rotated		AAWB Adjustable tilt arm with wall bracket <sup>5</sup>
			AFRL90 Automotive Front Row Left Rotated		AAWSC Adjustable tilt arm wall bracket and surface conduit box <sup>5</sup>

Options		Finish
<b>Shipped Installed</b>		DDBXD Dark Bronze
HS House-side shield <sup>6</sup>		DBLXD Black
PE Photocontrol, button style <sup>7,8</sup>		DNAXD Natural Aluminum
PEX Photocontrol external threaded, adjustable <sup>8,9</sup>		DWHXD White
PER7 Seven-wire twist-lock receptacle only (no controls) <sup>8,10,11,12</sup>		DDBTXD Textured Dark Bronze
CE34 Conduit entry 3/4" NPT (Qty 2)		DBLTXD Textured Black
SF Single fuse (120, 277, 347) <sup>4</sup>		DNATXD Textured Natural Aluminum
DF Double fuse (208, 240, 480) <sup>4</sup>		DWHGXD Textured White
SPD20KV 20KV Surge pack (10KV standard)		
FAO Field adjustable output <sup>8,12</sup>		
DMG 0-10V dimming extend out back of housing for external control (control ordered separate) <sup>8,12</sup>		
<b>Shipped Installed</b>		
<b>*Standalone and Networked Sensors/Controls (factory default settings, see table page 9)</b>		
NLTAIR2 nLight AIR generation 2 <sup>12,13,14</sup>		
PIRHN Networked, Bi-Level motion/ambient sensor (for use with NLTAIR2) <sup>12,14,15</sup>		
<b>*Note: PIRHN with nLight Air can be used as a standalone or networked solution. Sensor coverage pattern is affected when luminaire is tilted.</b>		
<b>Shipped Separately (requires some field assembly)</b>		
EGS External glare shield <sup>6</sup>		
EGFV External glare full visor (360° around light aperture) <sup>6</sup>		
BS Bird spikes <sup>16</sup>		



## Ordering Information

### Accessories

Ordered and shipped separately.

RSX1HS	RSX1 House side shield (includes 1 shield)
RSX1HSAFRR U	RSX1 House side shield for AFR rotated optics (includes 1 shield)
RSX1EGS (FINISH) U	External glare shield (specify finish)
RSX1EGFV (FINISH) U	External glare full visor (specify finish)
RSXRPA (FINISH) U	RSX Universal round pole adaptor plate (specify finish)
RSXWBA (FINISH) U	RSX WBA wall bracket (specify finish) <sup>1</sup>
RSXSGB (FINISH) U	RSX Surface conduit box (specify finish, for use with WBA, WBA not included)
DLL127F 1.5 JU	Photocell -SSL twist-lock (120-277V) <sup>17</sup>
DLL347F 1.5 CUL JU	Photocell -SSL twist-lock (347V) <sup>17</sup>
DLL480F 1.5 CUL JU	Photocell -SSL twist-lock (480V) <sup>17</sup>
DSHORT SBK U	Shorting cap <sup>17</sup>

### NOTES

- 1 Any Type 5 distribution, is not available with WBA.
- 2 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- 3 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- 4 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- 5 Maximum tilt is 90° above horizontal.
- 6 It may be ordered as an accessory.
- 7 Requires MVOLT or 347V.
- 8 Not available in combination with other light sensing control options (following options cannot be combined: PE, PEX, PER7, FAO, DMG, PIRHN).
- 9 Requires 120V, 208V, 240V or 277V.
- 10 Twistlock photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included. Dimming leads capped for future use.

- 11 For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
- 12 Two or more of the following options cannot be combined including DMG, PER7, FAO and PIRHN.
- 13 Must be ordered with PIRHN.
- 14 Requires MVOLT or HVOLT.
- 15 Must be ordered with NLTAIR2. For additional information on PIRHN visit [here](#).
- 16 Must be ordered with fixture for factory pre-drilling.
- 17 Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

## External Shields



House Side Shield



External Glare Shield

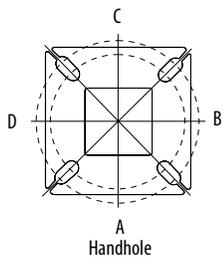


External 360 Full Visor

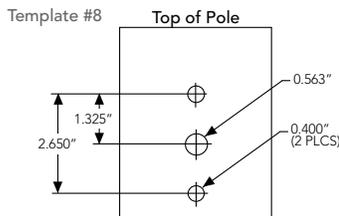
## Pole/Mounting Information

Accessories including bullhorns, cross arms and other adapters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit [Accessories](#).

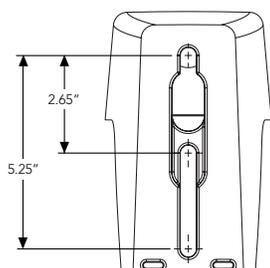
### HANDHOLE ORIENTATION



### RSX POLE DRILLING



### RSX STANDARD ARM & ADJUSTABLE ARM



### Round Tenon Mount - Pole Top Slipfitters

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

### Drill/Side Location by Configuration Type

Drilling Template	Mounting Option	Single	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
#8	Head Location	Side B	Side B & D	Side B & C	Round Pole Only	Side B, C & D	Side A, B, C & D
#8	Drill Nomenclature	DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS

### RSX1 - Luminaire EPA

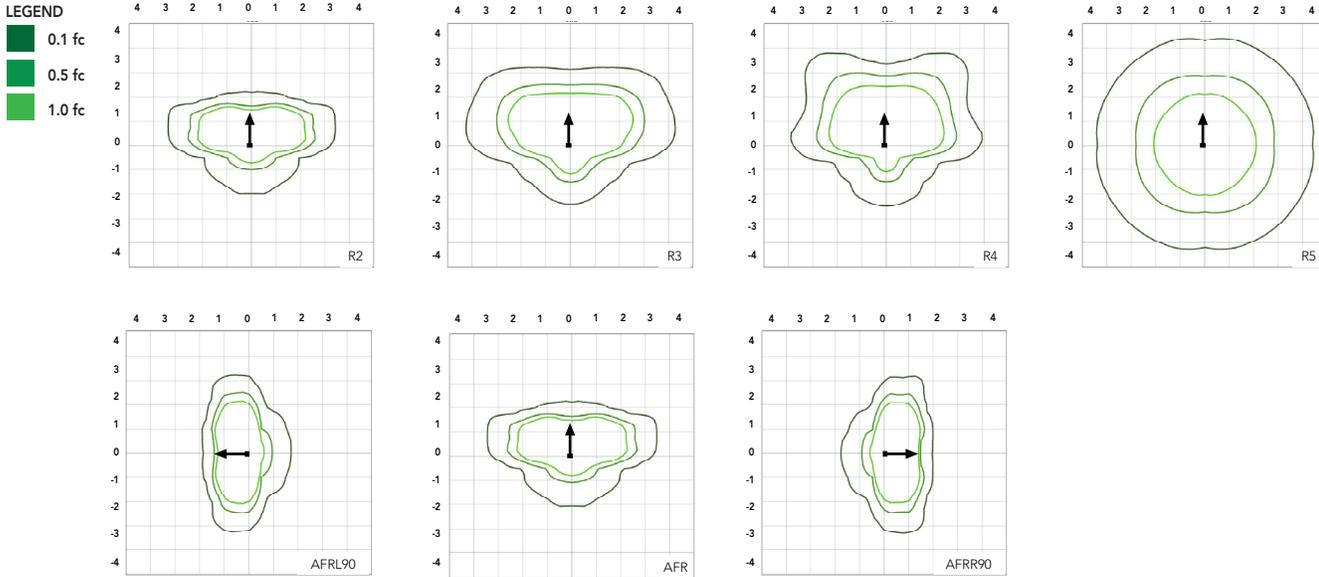
\*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single	2 @ 90	2 @ 180	3 @ 90	3 @ 120	4 @ 90	2 Side by Side	3 Side by Side	4 Side by Side
<b>SPA - Square Pole Adaptor</b>	0.57	1.03	1.05	1.52	1.36	2.03	1.31	1.7	2.26
<b>RPA - Round Pole Adaptor</b>	0.62	1.08	1.15	1.62	1.46	2.13	1.36	1.8	2.36
<b>MA - Mast Arm Adaptor</b>	0.49	0.95	0.89	1.36	1.2	1.87	1.23	1.54	2.1
<b>IS - Integral Slipfitter</b>	0.57	1.03	1.05	1.52	1.36	2.03	1.31	1.7	2.26
<b>AASP/AARP - Adjustable Arm Square/Round Pole</b>	0°	0.68	1.34	1.33	2	1.74	2.64	1.35	2.03
	10°	0.87	1.71	1.73	2.56	2.26	3.42	1.75	2.62
	20°	1.24	2.19	2.3	3.21	2.87	4.36	2.49	3.73
	30°	1.81	2.68	2.98	3.85	3.68	5.30	3.62	5.43
	40°	2.11	2.92	3.44	4.2	4.08	5.77	4.22	6.33
	50°	2.31	3.17	3.72	4.52	4.44	6.26	4.62	6.94
	60°	2.71	3.66	4.38	5.21	5.15	7.24	5.43	8.14
	70°	2.78	3.98	4.54	5.67	5.47	7.91	5.52	8.27
	80°	2.76	4.18	4.62	5.97	5.76	8.31	5.51	8.27
	90°	2.73	4.25	4.64	6.11	5.91	8.47	5.45	8.18

# Photometric Diagrams

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

Isofootcandle plots for the RSX1 LED P4 40K. Distances are in units of mounting height (20').



## Performance Data

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97
45°C	113°F	0.96
50°C	122°F	0.95

### Electrical Load

Performance Package	System Watts (W)	Current (A)					
		120V	208V	240V	277V	347V	480V
P1	51W	0.42	0.25	0.21	0.19	0.14	0.11
P2	72W	0.60	0.35	0.30	0.26	0.21	0.15
P3	109W	0.91	0.52	0.45	0.39	0.31	0.23
P4	133W	1.11	0.64	0.55	0.48	0.38	0.27

### Projected LED Lumen Maintenance

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.97	>0.95	>0.92

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

# Performance Data

## Lumen Output

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

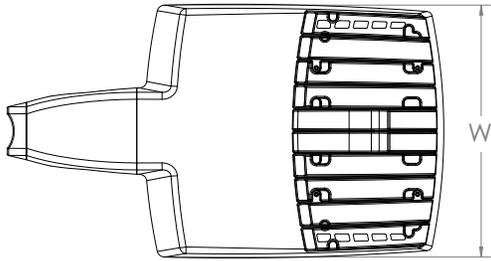
Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	51W	R2	6,482	1	0	1	126	7,121	1	0	1	139	7,121	1	0	1	139
		R3	6,459	1	0	2	127	7,096	1	0	2	139	7,096	1	0	2	139
		R3S	6,631	1	0	1	129	7,286	1	0	2	142	7,286	1	0	2	142
		R4	6,543	1	0	2	128	7,189	1	0	2	141	7,189	1	0	2	141
		R4S	6,313	1	0	1	124	6,936	1	0	1	136	6,936	1	0	1	136
		R5	6,631	3	0	2	130	7,286	3	0	2	143	7,286	3	0	2	143
		R5S	6,807	3	0	1	133	7,479	3	0	1	147	7,479	3	0	1	147
		AFR	6,473	1	0	1	127	7,112	1	0	1	139	7,112	1	0	1	139
		AFRR90	6,535	2	0	2	127	7,179	2	0	2	140	7,179	2	0	2	140
		AFRL90	6,562	2	0	1	128	7,210	2	0	2	140	7,210	2	0	2	140
P2	72W	R2	8,991	2	0	1	123	9,878	2	0	1	135	9,878	2	0	1	135
		R3	8,959	2	0	2	124	9,843	2	0	2	137	9,843	2	0	2	137
		R3S	9,198	2	0	2	126	10,106	2	0	2	139	10,106	2	0	2	139
		R4	9,077	2	0	2	126	9,972	2	0	2	139	9,972	2	0	2	139
		R4S	8,757	1	0	2	122	9,622	2	0	2	134	9,622	2	0	2	134
		R5	9,198	4	0	2	128	10,106	4	0	2	140	10,106	4	0	2	140
		R5S	9,443	3	0	1	131	10,374	3	0	1	144	10,374	3	0	1	144
		AFR	8,979	2	0	1	125	9,865	2	0	1	137	9,865	2	0	1	137
		AFRR90	9,064	3	0	2	124	9,959	3	0	2	137	9,959	3	0	2	137
		AFRL90	9,102	3	0	2	125	10,001	3	0	2	137	10,001	3	0	2	137
P3	109W	R2	12,808	2	0	1	117	14,072	2	0	2	129	14,072	2	0	2	129
		R3	12,763	2	0	2	117	14,023	2	0	2	129	14,023	2	0	2	129
		R3S	13,104	2	0	2	120	14,397	2	0	2	132	14,397	2	0	2	132
		R4	12,930	2	0	2	119	14,206	2	0	2	130	14,206	2	0	2	130
		R4S	12,475	2	0	2	114	13,707	2	0	2	126	13,707	2	0	2	126
		R5	13,104	4	0	2	120	14,397	4	0	2	132	14,397	4	0	2	132
		R5S	13,452	3	0	2	123	14,779	3	0	2	136	14,779	3	0	2	136
		AFR	12,791	2	0	1	117	14,053	2	0	2	129	14,053	2	0	2	129
		AFRR90	12,913	3	0	3	118	14,187	3	0	3	130	14,187	3	0	3	130
		AFRL90	12,967	3	0	2	118	14,247	3	0	3	130	14,247	3	0	3	130
P4	133W	R2	14,943	2	0	2	112	16,417	2	0	2	123	16,417	2	0	2	123
		R3	14,890	2	0	3	112	16,360	2	0	3	123	16,360	2	0	3	123
		R3S	15,287	2	0	2	115	16,796	2	0	2	126	16,796	2	0	2	126
		R4	15,085	2	0	3	113	16,574	2	0	3	125	16,574	2	0	3	125
		R4S	14,554	2	0	2	109	15,991	2	0	2	120	15,991	2	0	2	120
		R5	15,287	4	0	2	115	16,796	4	0	2	126	16,796	4	0	2	126
		R5S	15,693	4	0	2	118	17,242	4	0	2	130	17,242	4	0	2	130
		AFR	14,923	2	0	2	112	16,395	2	0	2	123	16,395	2	0	2	123
		AFRR90	15,065	3	0	3	113	16,551	3	0	3	124	16,551	3	0	3	124
		AFRL90	15,128	3	0	3	114	16,621	3	0	3	125	16,621	3	0	3	125

## Dimensions & Weights

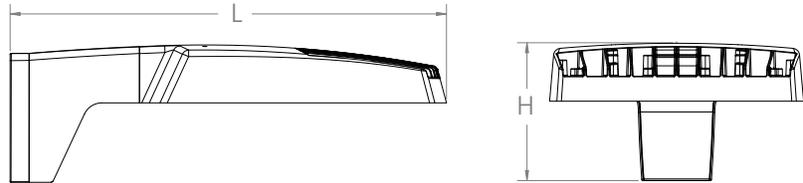
### Luminaire Weight by Mounting Type

Mounting Configuration	Total Luminaire Weight
SPA	22 lbs
RPA	24 lbs
MA	22 lbs
WBA	25 lbs
WBASC	28 lbs
IS	25 lbs
AASP	25 lbs
AARP	27 lbs
AAWB	28 lbs
AAWSC	31 lbs

#### RSX1 with Round Pole Adapter (RPA)



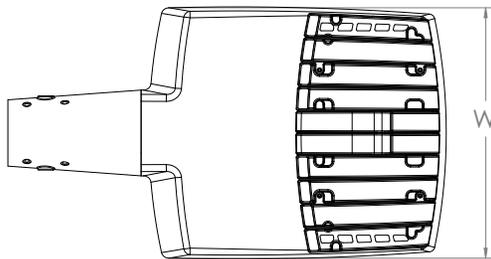
Length: 22.8" (57.9 cm)  
 Width: 13.3" (33.8 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 7.2" (18.4 cm) Arm



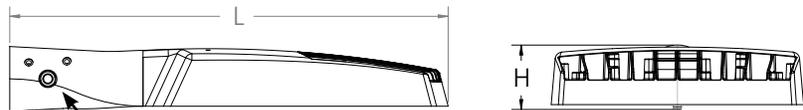
Note: RPA — Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.



#### RSX1 with Mast Arm Adapter (MA)

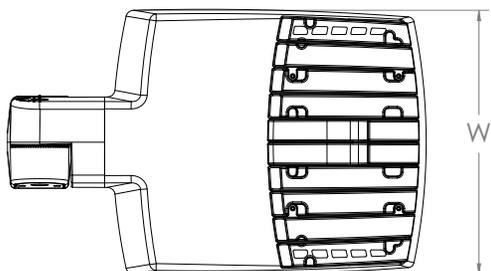


Length: 23.2" (59.1 cm)  
 Width: 13.3" (33.8 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 3.5" (8.9 cm) Arm

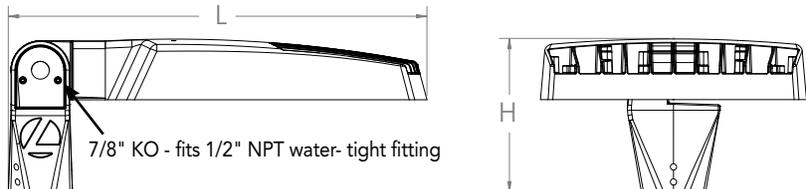


7/16" locking thru bolt/nut provided

#### RSX1 with Adjustable Slipfitter (IS)



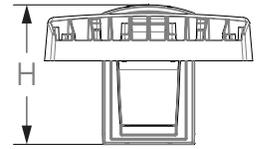
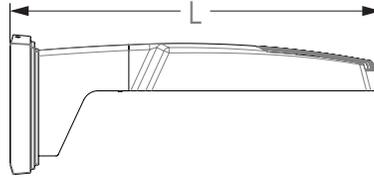
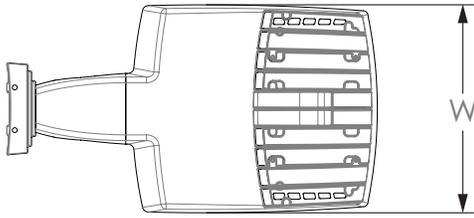
Length: 20.7" (52.7 cm)  
 Width: 13.3" (33.8 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 7.6" (19.3 cm) Arm



7/8" KO - fits 1/2" NPT water-tight fitting

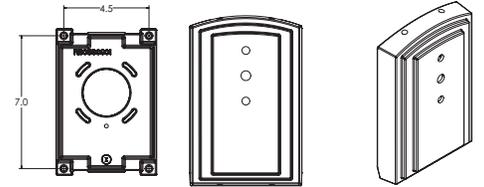
## Dimensions

### RSX1 with Wall Bracket (WBA)

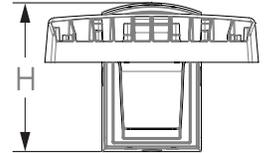
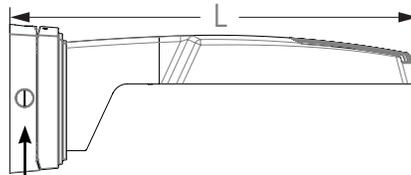
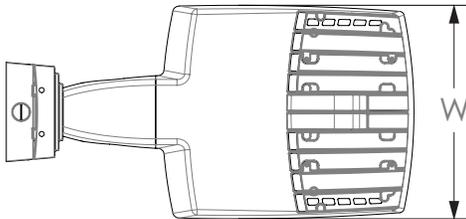


Length: 23.6" (59.9 cm)  
 Width: 13.3" (33.8 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 8.9" (22.6 cm) Arm

#### Wall Bracket (WBA) Mounting Detail



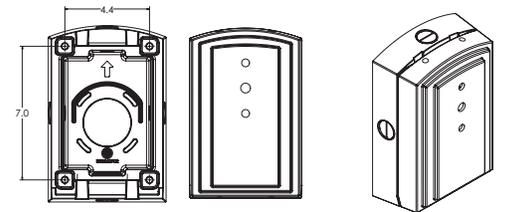
### RSX1 with Wall Bracket with Surface Conduit Box (WBASC)



3/4" NPT taps with plugs - Qty (4) provided

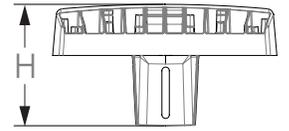
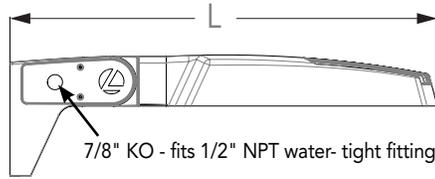
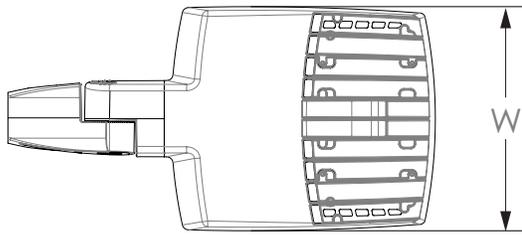
Length: 25.3" (64.3 cm)  
 Width: 13.3" (33.8 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 9.2" (23.4 cm) Arm

#### Surface Conduit Box (SCB) Mounting Detail

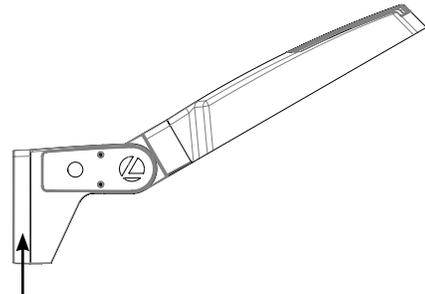


## Dimensions

### RSX1 with Adjustable Tilt Arm - Square or Round Pole (AASP or AARP)



Length: 25.3" (65.3 cm) **AASP**  
 26.3" (66.8 cm) **AARP**  
 Width: 13.3" (33.8 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 7.2" (18.2 cm) Arm



**NOTE:**  
 RPA - Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.

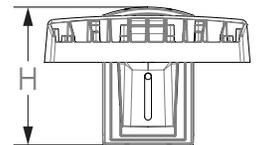
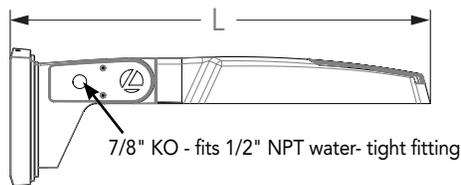
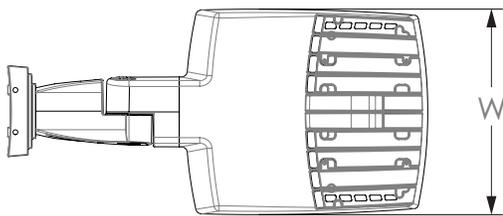


#### Notes

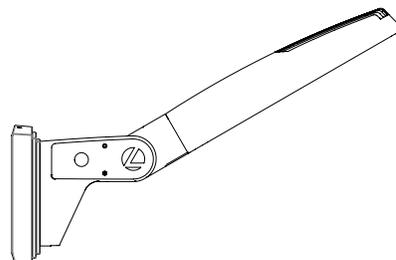
AASP: Requires 3.0" min. square pole for 1 at 90°. Requires 3.5" min. square pole for mounting 2, 3, 4 at 90°.

AARP: Requires 3.2" min. dia. round pole for 2, 3, 4 at 90°. Requires 3.0" min. dia. round pole for mounting 1 at 90°, 2 at 180°, 3 at 120°.

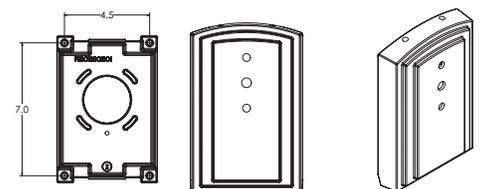
### RSX1 with Adjustable Tilt Arm with Wall Bracket (AAWB)



Length: 27.1" (68.8 cm)  
 Width: 13.3" (33.8 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 8.9" (22.6 cm) Arm

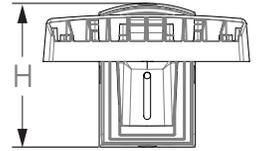
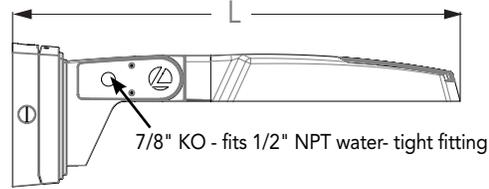
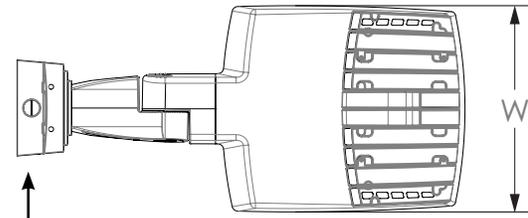


#### Wall Bracket (WBA) Mounting Detail



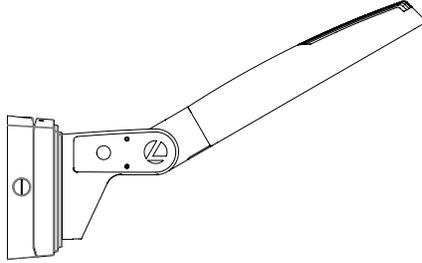
# Dimensions

## RSX1 with Adjustable Tilt Arm with Wall Bracket and Surface Conduit Box (AAWSC)

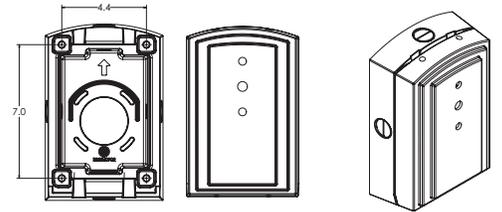


3/4" NPT taps with plugs - Qty (4) provided

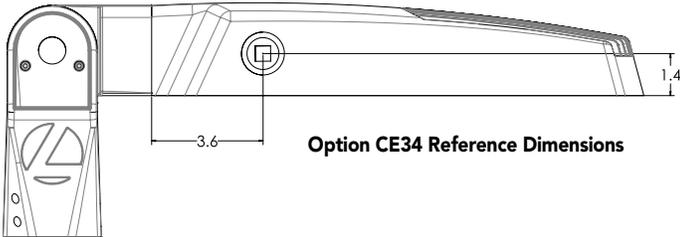
Length: 28.8" (73.2 cm)  
 Width: 13.3" (33.8 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 9.2" (23.4 cm) Arm



### Surface Conduit Box (SCB) Mounting Detail

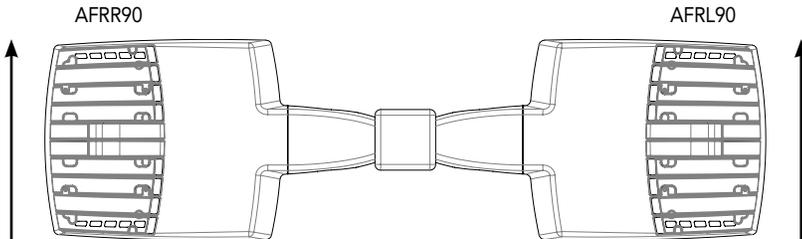


### Additional Reference Drawings



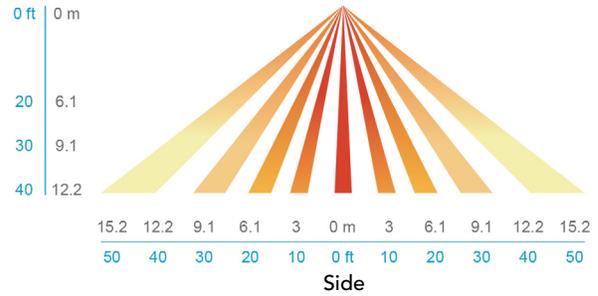
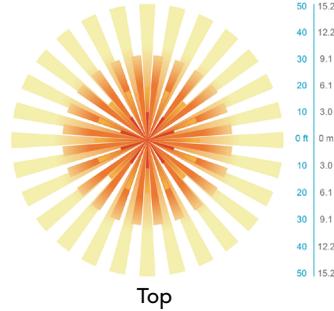
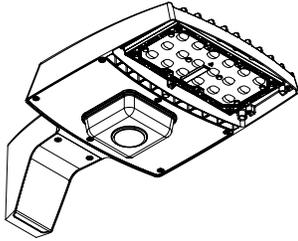
Option CE34 Reference Dimensions

### Automotive Front Row - Rotated Optics (AFRL90/R90)



(Example: 2@180 - arrows indicate direction of light exiting the luminaire)

## nLight Sensor Coverage Pattern NLTAIR2 PIRHN



Motion Sensor Default Settings - Option PIRHN						
Option	Dimmed State (unoccupied)	High Level (when occupied)	Photocell Operation	Dwell Time (occupancy time delay)	Ramp-up Time (from unoccupied to occupied)	Ramp-down Time (from occupied to unoccupied)
NLTAIR2 PIRHN	Approx. 30% Output	100% Output	Enabled @ 1.5FC	7.5 minutes	3 seconds	5 minutes

\*Note: NLTAIR2 PIRHN default settings including photocell set-point, high/low dim rates, and occupancy sensor time delay are all configurable using the Clairity Pro App. Sensor coverage pattern shown with luminaire at 0°. Sensor coverage pattern is affected when luminaire is tilted.

## FEATURES & SPECIFICATIONS

### INTENDED USE

The RSX LED area family is designed to provide a long-lasting, energy-efficient solution for the one-for-one replacement of existing metal halide or high pressure sodium lighting. The RSX1 delivers 7,000 to 17,000 lumens and is ideal for replacing 70W to 400W HID pole-mounted luminaires in parking lots and other area lighting applications.

### CONSTRUCTION

The RSX LED area luminaire features a rugged die-cast aluminum main body that uses heat-dissipating fins and flow-through venting to provide optimal thermal management that both enhances LED performance and extends component life. Integral "no drill" mounting arm allows the luminaire to be mounted on existing pole drillings, greatly reducing installation labor. The light engines and housing are sealed against moisture and environmental contaminants to IP66. The low-profile design results in a low EPA, allowing pole optimization. All mountings are rated for minimum 1.5 G vibration load per ANSI C136.31. 3G Mountings: Include SPA, RPA, MA, IS, AASP, and AARP rated for 3G vibration. 1.5G Mountings: Include WBA, WBASC, AAWB and AAWC rated for 1.5G vibration.

### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures superior adhesion as well as a minimum finish thickness of 3 mils. The result is a high-quality finish that is warranted not to crack or peel.

### OPTICS

Precision acrylic refractive lenses are engineered for superior application efficiency, distributing the light to where it is needed most. Available in short and wide pattern distributions including Type 2, Type 3, Type 3S, Type 4, Type 4S, Type 5, Type 5S, AFR (Automotive Front Row), and AFR rotated AFR90 and ARFL90.

### ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted on metal-core circuit boards and aluminum heat sinks to maximize heat dissipation. Light engines are IP66 rated. LED lumen maintenance is >L92/100,000 hours. CCT's of 3000K, 4000K and 5000K (minimum 70 CRI) are available. Class 1 electronic drivers ensure system power factor >90% and THD <20%. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

### STANDARD CONTROLS

The RSX LED area luminaire has a wide assortment of control options. Dusk to dawn controls include MVOLT and 347V button-type photocells and NEMA twist-lock photocell receptacles.

### nLIGHT AIR CONTROLS

The RSX LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing with photocontrol functionality and is suitable for mounting heights up to 40 feet. No commissioning is required when using factory default settings that provide basic stand-alone motion occupancy dimming that is switched on and off with a built-in photocell. See chart above for motion sensor default out-of-box settings. For more advanced wireless functionality, such as group dimming, nLight AIR can be commissioned using a smartphone and the easy-to-use CLAIRITY app. nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found [here](#).

### INSTALLATION

Integral "no-drill" mounting arm allows for fast, easy mounting using existing pole drillings. Select the "SPA" option for square poles and the "RPA" option to mount to round poles. Note, the RPA mount can also be used for mounting to square poles by omitting the RPA adapter plate. Select the "MA" option to attach the luminaire to a 2 3/8" horizontal mast arm or the "IS" option for an adjustable slipfitter that mounts on a 2 3/8" OD tenon. The adjustable slipfitter has an integral junction box and offers easy installation. Can be tilted up to 90° above horizontal. Additional mountings are available including a wall bracket, adjustable tilt arm for direct-to-pole and wall and a surface conduit box for wall mount applications.

### LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

### WARRANTY

5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/support/customer-support/terms-and-conditions](http://www.acuitybrands.com/support/customer-support/terms-and-conditions)

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



# ARC2 LED

## Architectural Wall Luminaire

Catalog Number

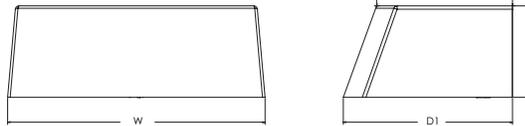
Notes

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

### Specifications

- Depth (D1):** 9.25"
- Depth (D2):** 7.5"
- Height:** 5"
- Width:** 14"
- Weight:** 11 lbs  
(without options)



### Introduction

The Lithonia Lighting ARC LED wall-mounted luminaires provide both architectural styling and visually comfortable illumination while providing the high energy savings and low initial costs for quick financial payback.

ARC2 delivers up to 6,500 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. It offers integrated emergency battery backup options, including an 8W cold temperature option, making it suitable for pedestrian scale applications in any environment.

### ARC LED Family Overview

Luminaire	Standard EM, 0°C	Cold EM, -20°C	Approximate Lumens (4000K)				
			P1	P2	P3	P4	P5
ARC1 LED	4W	--	1,500	2,000	3,000	--	--
ARC2 LED	4W	8W	1,500	2,000	3,000	4,000	6,500

### Ordering Information

**EXAMPLE: ARC2 LED P2 40K MVOLT PE DDBXD**

Series	Package	Color Temperature	Voltage	Options	Finish
ARC2 LED	P1 1,500 Lumens	30K 3000K	MVOLT 347 <sup>1</sup>	E4WH Emergency battery backup, CEC compliant (4W, 0°C min) <sup>1</sup>	DDBXD Dark bronze
	P2 2,000 Lumens	40K 4000K		E8WC Emergency battery backup, CEC compliant (8W, -20°C min) <sup>1</sup>	DBLXD Black
	P3 3,000 Lumens	50K 5000K		PE Button type photocell for dusk-to-dawn operation	DNAXD Natural aluminum
	P4 4,000 Lumens			DMG 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) <sup>2</sup>	DWHXD White
	P5 6,500 Lumens			SPD6KV 6kV surge protection <sup>1</sup>	DSSXD Sandstone
			FAO Field adjustable light output device. Allows for easy adjustment to the desired light levels, from 20% to 100% <sup>2</sup>	DDBTXD Textured dark bronze	
				DBLBXD Textured black	
				DNATXD Textured natural aluminum	
				DWHGXD Textured white	
				DSSTXD Textured sandstone	

### Accessories

Ordered and shipped separately.

- WSBBW DDBXD U Surface - mounted back box (specify finish)

### NOTES

- 1 347V not available with E4WH, E8WC and SPD6KV.
- 2 FAO not available with DMG.



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ARC2 LED  
Rev. 08/17/20

## Performance Data

### Lumen Output

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

Performance Package	System Watts	30K (3000K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)				
		Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P1	11W	1,502	142	1	0	1	1,587	150	1	0	1	1,598	151	1	0	1
P2	16W	2,250	140	1	0	1	2,377	147	1	0	1	2,393	148	1	0	1
P3	24W	3,206	135	1	0	1	3,387	143	1	0	1	3,410	144	1	0	1
P4	30W	3,903	128	1	0	1	4,124	136	1	0	1	4,152	136	1	0	1
P5	51W	6,260	122	1	0	1	6,615	129	1	0	1	6,659	130	1	0	1

### Electrical Load

Performance Package	System Watts	Current (A)				
		120V	208V	240V	277V	347V
P1	11W	0.090	0.055	0.049	0.046	0.045
P2	16W	0.141	0.081	0.072	0.064	0.059
P3	24W	0.202	0.117	0.103	0.091	0.079
P4	30W	0.280	0.162	0.144	0.128	0.095
P5	51W	0.471	0.272	0.239	0.212	0.158

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

Option	Lumens
E4WH	693
E8WC	1,413

### Lumen Ambient Temperature (LAT) Multipliers

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

Ambient		Lumen Multiplier
0°C	32°F	1.04
10°C	50°F	1.03
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.97

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11). To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

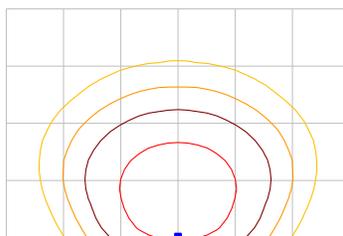
Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.93	>0.88

## Photometric Diagrams

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

#### LEGEND

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



ARC2 LED P3 40K

MH = 15ft  
Grid = 15ft x 15ft

## Emergency Egress Options

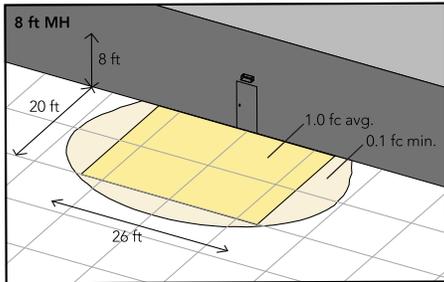
### Emergency Battery Backup

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

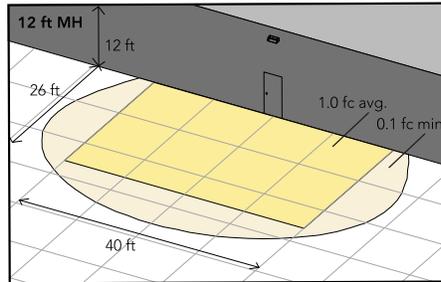
Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

The example below shows illuminance of 1 fc average and 0.1 fc minimum in emergency mode.

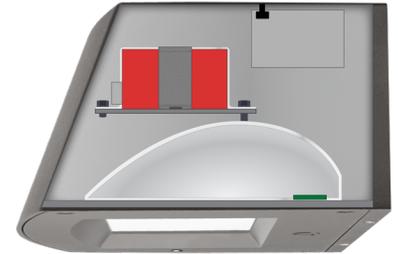
Grid = 10ft x 10ft



ARC2 LED 40K MVOLT E4WH



ARC2 LED 40K MVOLT E8WC



Self-contained solution for clean aesthetic

## Mounting, Options & Accessories



### E4WH and E8WC – Emergency Battery Backup

D = 6.5"

H = 5"

W = 11"



### BBW – Standard Back Box

D = 1.5"

H = 4"

W = 5.5"

For surface conduit applications.  
3/4" conduit entry holes.

## FEATURES & SPECIFICATIONS

### INTENDED USE

The clean architectural shape of the ARC LED was designed for applications such as hospitals, schools, malls, restaurants, and commercial buildings. The long-life LEDs and driver make this luminaire nearly maintenance-free.

### CONSTRUCTION

The die-cast aluminum housing and door act as heat sinks to optimize thermal transfer from the light engine and driver to promote long-life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP65 rating for the luminaire.

### FINISH

Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

### OPTICS

Recessed lens to cut off high angle light and reduce glare. Combination of diffused lens and reflector design has low surface brightness creating a visually comfortable environment with great distribution. LEDs are fully hidden from view to eliminate pixelization and harsh glare. The ARC LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long-life (up to L88/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire is 0-10V dimmable.

### INSTALLATION

The universal wall plate, supplied with the luminaire, fits multiple size junction boxes and supports it during wiring for easy installation. Built-in wet location wiring compartment on the luminaire to accommodate wiring connections for applications with no junction box. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

### LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified. International DarkSky Association (IDA) Fixture Seal of approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

### WARRANTY

5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/support/customer-support/terms-and-conditions](http://www.acuitybrands.com/support/customer-support/terms-and-conditions)

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



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