

## Architectural Review Board Staff Report

**Project type:** Site Development Plan

**Meeting Date:** April 14, 2022

**From:** Shilpi Bharti, Planner *SB*

**Location:** 15310 Conway Road

**Description:** **Chabad at Chesterfield (SDP):** Site Development Plan, Landscape Plan, Lighting Plan, and Architectural Elevations for Chabad at Chesterfield on a 1.49-acre tract of land, zoned “PC” Planned Commercial District.

### PROPOSAL SUMMARY

Chabad at Chesterfield has submitted a Site Development Plan, Landscape Plan, Lighting Plan, and Architectural Elevations for a proposed Jewish facility at 15310 Conway Road.

Proposed development includes:

- 15,000 square feet of single-story building
- 58 Parking spaces
- Landscaping
- Screen wall
- Lighting Plan

### HISTORY OF SUBJECT SITE

Prior to the incorporation of the City of Chesterfield, this site was zoned “R3”—Residence District by St. Louis County. In 2007, the City rezoned the property to “PC” Planned Commercial District via Ordinance Number 2361. This ordinance was later repealed in 2008 to accommodate a Site Development Plan application that was filed simultaneously for a 27,000 square-foot, three (3) story bank building, but was put on hold indefinitely. In January of 2021, the governing ordinance was amended to modify development criteria for the subject site, including permitted uses, setbacks and density requirements. The site is governed under the provisions of Ordinance 3150.



Figure 1: Subject Site

## **STAFF ANALYSIS**

### **Site Relationships**

The proposed building is 15,000 square feet on 1.49 acres of land. There are 58 parking spaces provided in the proposed development that complies with the Unified Development Code minimum parking requirement. The building design is of a similar height to the adjacent building across and along Conway Road.

### **Circulation System and Access**

The site is accessed through a shared driveway of 15320 Conway Road (property west of the subject site). Internal driveways are 22' wide with two-way access. Direct connection of the internal sidewalk system is provided on the northeast corner of the site.



Figure 2: Site Plan

### **Scale, Topography and Retaining Wall**

The site is sloped towards the south having higher elevations on the north. The proposed development is planning to level the site to match the finished floor with Conway Road. The height of the proposed building is 29'. Chesterfield Parkway East is 8' higher than the site ground level, thus the height of the building from Chesterfield Airport Road will be 20'. The site is proposing minor retaining walls on the east side of the property near the existing walls by the Chesterfield Parkway overpass. The retaining walls will be screened with landscaping.

### **Materials and Color**

Building materials include brick, painted concrete panels, dark grey phenolic panels and wood phenolic panels. The entrance is recessed with lots of glass and a wood accent wall. The north and northeast elevations have large windows, and concrete mass walls. The rooftop mechanical units will be screened by the building parapets. A trash enclosure is provided on the southwest of the site. Elevations of all sides of the building can be found in the attached ARB packet.

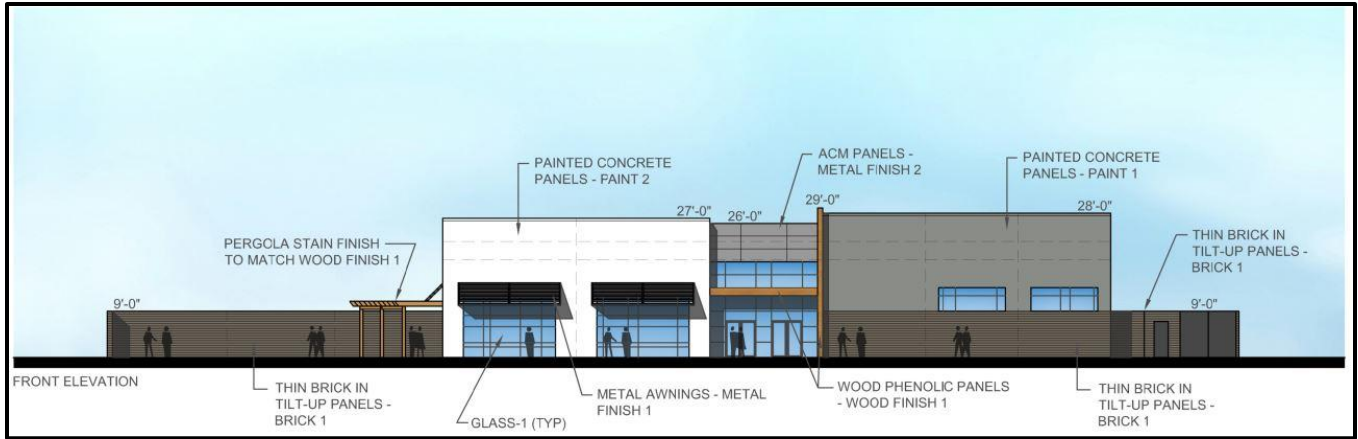


Figure 3: North side elevation

### Lighting

There are four types of light fixtures proposed for the entire development. There are six (6) parking lights, one (1) wall pack, eighteen (18) flood lights, and two (2) LED wall cylinders.

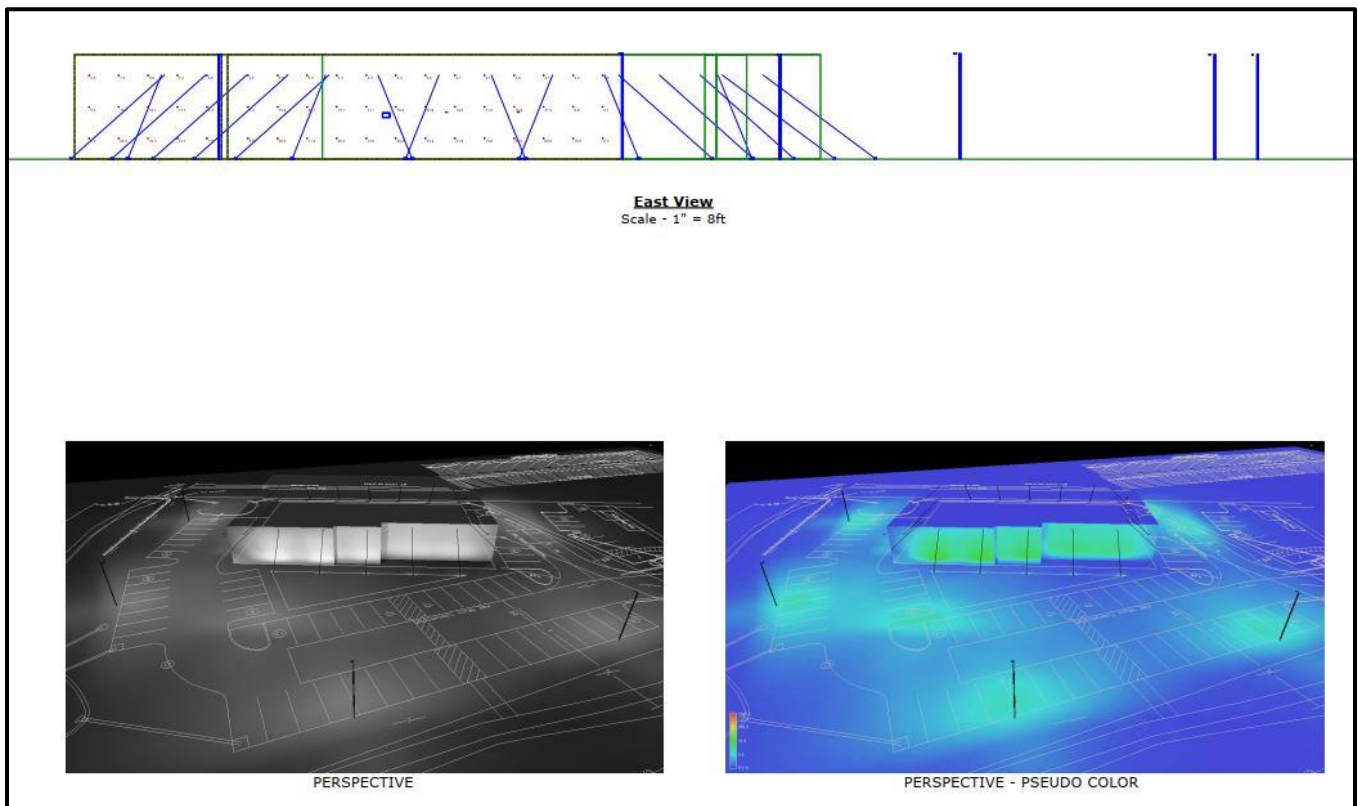


Figure 4: Up light projection

### Landscaping

As per the site specific ordinance, landscape is required. A five (5) foot buffer is required from the southern boundary, ten (10) feet from the right-of-way of Conway Road on the northern boundary, and twenty-five (25) feet from the right-of-way of Chesterfield Parkway East on the eastern boundary. Applicant has depicted all the required landscape buffers. Figure 2 shows the landscape plan of the site, which consists of one bio-retention basin, twelve (12) different varieties of trees, and twelve (12) different varieties of shrubs and grass.

### Rendering



Figure 5. Rendering 1



Figure 6: Rendering 2

### **DEPARTMENTAL INPUT**

Be advised, this project is still going through development review by City Staff and will not proceed to the Planning Commission until all outstanding items have been addressed. All recommendations made by the ARB will be included in Staff's report to the Planning Commission.

### **MOTION**

The following options are provided to the Architectural Review Board for consideration relative to this application:

- 1) "I move to forward the Site Development Plan, Landscape Plan, Lighting Plan, and Architectural Elevations for 15310 Conway Road (Chabad at Chesterfield), as presented, with a recommendation for approval (or denial)."
- 2) "I move to forward the Site Development Plan, Landscape Plan, Lighting Plan, and Architectural Elevations for 15310 Conway Road (Chabad at Chesterfield) with a recommendation for approval with the following conditions..."

### Attachments

1. Architectural Review Packet Submittal

# CHABAD OF CHESTERFIELD

03.22.2022



## Architect's Statement of Design

Chabad of Chesterfield will be a new one story building and will serve as a place to gather and gain knowledge of the Jewish faith. It will include a shul, an area to lounge and teach cooking classes, some learning spaces, and an area of future expansion that may be leased as professional space. The total area of the building will not exceed 15,000 GSF. Outside are areas associated with parking, a small patio with covered pergola, and an area for playground equipment.

### General Requirements for Site Design

#### **Site Relationships:**

The site layout places the building in the center of the site, with parking that wraps conveniently on 3 sides. There is a generous plaza space between the main entry doors and the parking lot in front for safe access during peak times. A side entrance is also available to the east to provide direct access to the learning spaces. Parking on the east side of the building is single loaded and faced away from the fenced play area. An outdoor seating area is also located on this side of the building with an overhead pergola to help define the space. Due to the proximity of the Interstate highway, 9' brick clad screen walls provide a buffer to both glare and noise that will be present from vehicles at high speed. Views are focused primarily to the north and east. The building walls and screen walls will provide shade from afternoon sun and help to keep these outdoor areas cool in the summer. The trash enclosure design is intended to be very discrete by using the same 9' brick walls and wainscot on the building to wrap the trash area and appear to be part of the building architecture.

#### **Circulation System and Access:**

Bicycles are encouraged as a means for arriving at the building. Racks are conveniently located adjacent to the entry plaza in front of the building. Sidewalks are located along Chesterfield Parkway East and Conway Road. We will provide a direct connection of the internal sidewalk system to the NE corner of the site. A change in paving material will occur where the sidewalk crosses the parking area to encourage vehicles to watch for pedestrians. Parking is located on the front and each side of the building. There is a generous landscape buffer in the front of the building between parking and building and between parking and the street.

#### **Topography:**

The area for the building pad on this site sits very low so we intend to bring the finished floor up somewhat to better address Conway Road and provide a more gradual sloped connection into the site. Our grading plan proposes round cut and fill slopes, both horizontally and vertically, and results in a very natural appearance to the overall site.

**Retaining Walls:**

Some minor retaining walls are required to transition near the existing walls by the Chesterfield Parkway overpass and to improve volume to our stormwater system. Both walls are on the east side of our site and will be screened with landscaping.

**General Requirements for Building Design****Scale:**

Chabad of Chesterfield is a one story building compatible in size, proportion, design and orientation to the new building recently constructed to the west, as well as the one story building across Conway Road. Awnings, Pergola, Canopies and wall insets are used to achieve a sense of human scale. While the nearest building to the west is over 100' away, similar fenestration can be found on both buildings.

**Design:**

All facades are coordinated in color, material types, architectural form and detailing. The building is broken down into groups of neutral painted colors and earth-tone materials. The main active corner is a light color, the entrance is recessed with lots of glass and a wood accent wall. The other less active sides transition into more grey brick and mid-tone painted concrete walls. We have located the majority of the largest windows for the project faced north and north east and used concrete mass walls to store and release heat slowly particularly on areas facing southwest. We are providing skylights in key areas to reduce the need for artificial electric light at times during the day. Concrete site cast wall panels benefit from much reduced transportation and fuel costs that are associated with the alternative pre-cast wall panels that are shipped from a long distance away. Many other materials used inside and out will benefit from low VOC content and high quantities of recycled materials. Our rooftop mechanical units will be screened by the building parapets.

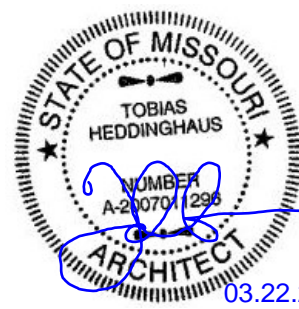
**Materials and Colors:**

Colors, materials and detailing will be compatible with adjacent buildings and properties. Brick and concrete are highly durable materials. Phenolic panels used to create the wood accent wall near the main entrance are virtually graffiti proof. All materials on this project are neutral in color, warm, and not highly reflective.

**Landscape Design and Screening:**

This property is surrounded by roadways on three of four sides, with the prominence of the corner location at Conway and Chesterfield Parkway East.

We have provided street tree plantings along both Conway and Chesterfield Parkway, but have limited plantings at the intersection to allow clear views into the property. Since Conway provides the only route to the property via the shared driveway on the adjoining property, we have developed plantings that allow clear views to the facilities main entrance under canopy trees but over clusters of shrubs and grasses.



On the property's common border with the adjoining office building, we have utilized small columnar evergreen trees (Keterleeri Junipers) to screen our loading facilities from the neighboring views.

Along Interstate 64 we are will be planting evergreen trees at the southwestern corner of the building to screen the service area in conjunction with the architectural treatment of this enclosure. These evergreens will help frame views of the building along with the two preserved existing trees on the right of way.

The playground is programmed for the west side of the building along Chesterfield Parkway. As the roadway is elevated above the building and playground, we have provided a significant buffering along this portion of the site. In this area we have specified Canopy Trees and Evergreen Trees as well as significant shrub groupings for color, texture and screening.

As state earlier, the trash enclosure design is intended to be very discrete by using the same 9' brick walls and wainscot on the building to wrap the trash area and appear to be part of the building architecture.

**Signage:**

A Signage Package will be submitted at a later date.

**Lighting:**

Site Lighting and Building Accent Lighting will be provided and consistent with adjacent properties. No on-site illumination source shall be situated so that light is cast directly on adjoining properties or Public Roadways. All lighting will adhere to footcandle levels as outlined by the City of Chesterfield. The enclosed Photometric Drawing/ Cut Sheets identify fixture style, location, and characteristics.





SITE DEVELOPMENT PLAN

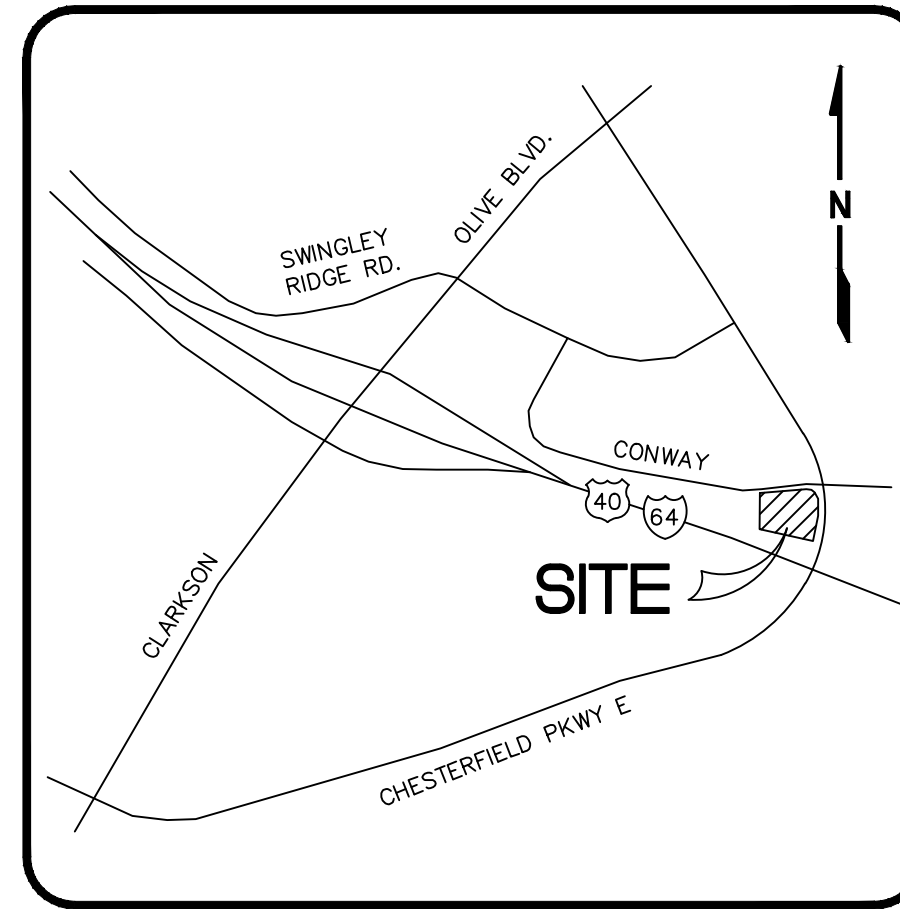
# Chabad of Chesterfield

CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI

**LEGEND**

| DESCRIPTION                  | SYMBOL             |
|------------------------------|--------------------|
| EXISTING MAJOR CONTOUR       | ---500---          |
| EXISTING MINOR CONTOUR       | ---502---          |
| PROPOSED MAJOR CONTOUR       | ---504---          |
| PROPOSED MINOR CONTOUR       | ---502---          |
| EXISTING SPOT ELEVATION      | +502.00            |
| PROPOSED SPOT ELEVATION      | +502.00            |
| PROPOSED/EXISTING ELEVATIONS | P-502.0<br>E-502.0 |
| EXISTING SANITARY SEWER      | ---○---            |
| EXISTING STORM SEWER         | ---□---            |
| PROPOSED SANITARY SEWER      | ---●---            |
| PROPOSED STORM SEWER         | ---■---            |
| EXISTING WATERLINE           | ---W---            |
| EXISTING FIRE HYDRANT        | ⊙                  |
| EXISTING GAS LINE            | ---GAS---          |
| EXISTING OVERHEAD UTILITY    | ---OW---           |
| DOWNSPOUT                    | ○DS                |
| USE IN PLACE                 | (U.I.P.)           |
| ADJUST TO GRADE              | (A.T.G.)           |
| TO BE REMOVED                | (T.B.R.)           |
| TO BE REMOVED AND REPLACED   | (T.B.R.&R.)        |
| TO BE REMOVED AND RELOCATED  | (T.B.R.&REL.)      |

FF = FINISHED FLOOR ELEVATION  
 TF = TOP OF FOUNDATION  
 BF = BASEMENT FLOOR ELEVATION  
 GF = GARAGE FLOOR ELEVATION  
 DS = ROOF DOWNSPOUT  
 CO = CLEAN OUT  
 TW = FINISH GRADE AT TOP OF WALL  
 BW = FINISH GRADE AT BOTTOM OF WALL



**LOCATION MAP**

N.T.S.

**PROPERTY DATA**

LOCATOR NO. : 18S310557  
 ADDRESS : 15310 CONWAY ROAD  
 CHESTERFIELD, MO 63017  
 OWNER : CHABAD OF CHESTERFIELD INC.  
 AREA OF TRACT : 64,853 S.F. = 1.49 Ac.±  
 PRESENT ZONING : PC - PLANNED COMMERCIAL  
 PRESENT USAGE : VACANT  
 PROPOSED USAGE : PLACE OF WORSHIP  
 SCHOOL DISTRICT : PARKWAY  
 FIRE DISTRICT : MONARCH  
 WATERSHED(S) : MISSOURI RIVER  
 FIRM PANEL : 29189C0170K  
 UTILITIES : MISSOURI-AMERICAN WATER CO.  
 METRO, ST. LOUIS SEWER DIST.  
 LACLEDE GAS COMPANY  
 AT&T TELEPHONE COMPANY  
 AMEREN UE

**BUILDING SETBACK REQUIREMENTS**

CONWAY ROAD: 25'  
 WESTERN PROP. LINE: 5'  
 INTERSTATE 64: 10'  
 CHESTERFIELD PKWY E.: 60'

**FLOOR AREA RATIO (FAR)**

MAXIMUM ALLOWABLE = 0.55  
 PROPOSED: 15,023 S.F. BUILDING / 64,853 S.F. = 0.23

**OPEN SPACE**

BUILDING AREA = 15,023 S.F.  
 PARKING AND DRIVE PAVEMENT = 22,513 S.F.  
 REMAINING OPEN SPACE = 27,317 S.F.  
 27,317 / 64,853 S.F. TOTAL = 42.1% OPEN SPACE (40% MINIMUM REQUIRED)

**PARKING SETBACK REQUIREMENTS**

CONWAY ROAD: 10'  
 WESTERN PROP. LINE: 5'  
 INTERSTATE 64: 5'  
 CHESTERFIELD PKWY E.: 25'

**LANDSCAPE BUFFER**

10' ALONG CONWAY ROAD  
 25' ALONG CHESTERFIELD PARKWAY EAST  
 5' ALONG INTERSTATE 64

**PARKING CALCULATIONS**

CHURCH AND OTHER PLACE OF WORSHIP:  
 MIN. PARKING REQUIRED = 1 SPACE PER 4 SEATS IN THE CHAPEL OR ASSEMBLY AREA.  
 PARKING SPACES PROVIDED = 58 SPACES (INCLUDES 2 ACCESSIBLE SPACES)  
 MAXIMUM NUMBER OF SEATS PERMITTED = 232

**PRELIMINARY EARTHWORK QUANTITIES**

ESTIMATED CUT QUANTITY: 400 C.Y.  
 ESTIMATED FILL QUANTITY: 17,000 C.Y.  
 ESTIMATED HAUL-ON OF MATERIAL = 16,600 C.Y.

CHABAD OF CHESTERFIELD, INC., THE OWNER(S) OF THE PROPERTY SHOWN ON THIS PLAN FOR AND IN CONSIDERATION OF BEING GRANTED APPROVAL OF SAID PLAN TO DEVELOP PROPERTY UNDER THE PROVISIONS OF SECTION 03. \_\_\_\_\_ OF CITY OF CHESTERFIELD UNIFIED DEVELOPMENT CODE, DO HEREBY AGREE AND DECLARE THAT SAID PROPERTY FROM THE DATE OF RECORDING THIS PLAN SHALL BE DEVELOPED ONLY AS SHOWN THEREON, UNLESS SAID PLAN IS AMENDED BY THE CITY OF CHESTERFIELD OR VOIDED OR VACATED BY ORDER OF ORDINANCE OF THE CITY OF CHESTERFIELD COUNCIL.

STATE OF MISSOURI )  
 ) SS.  
 COUNTY OF ST. LOUIS )  
 ON THIS \_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_, BEFORE ME PERSONALLY APPEARED \_\_\_\_\_, TO ME KNOWN, WHO, BEING BY ME SWORN IN, DID SAY

THAT HE/SHE IS THE \_\_\_\_\_ OF CHABAD OF CHESTERFIELD, INC., A CORPORATION IN THE STATE OF MISSOURI, AND THAT THE SEAL AFFIXED TO THE FOREGOING INSTRUMENTS IS THE CORPORATE SEAL OF SAID CORPORATION, AND THAT SAID INSTRUMENT WAS SIGNED ON BEHALF OF SAID CORPORATION BY AUTHORITY OF ITS MEMBERS, AND THE SAID \_\_\_\_\_ ACKNOWLEDGED SAID INSTRUMENT TO BE THE FREE ACT AND DEED OF SAID CORPORATION.

IN TESTIMONY WHEREOF, I HAVE HEREUNTO SET MY HAND AND AFFIXED MY NOTARIAL SEAL AT MY OFFICE IN ST. LOUIS COUNTY, MISSOURI, THE DAY AND YEAR LAST ABOVE WRITTEN.

MY TERM EXPIRES \_\_\_\_\_

(NOTARY PUBLIC)

THIS SITE DEVELOPMENT PLAN WAS APPROVED BY THE CITY OF CHESTERFIELD PLANNING COMMISSION AND DULY VERIFIED ON THE \_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_ BY THE CHAIRPERSON OF SAID COMMISSION, AUTHORIZING THE RECORDING OF THIS SITE DEVELOPMENT PLAN PURSUANT TO CHESTERFIELD ORDINANCE NUMBER 200, AS ATTESTED TO BY THE DIRECTOR OF PLANNING AND DEVELOPMENT SERVICES AND THE CITY CLERK.

JUSTIN WYSE, AICP, PTP  
 DIRECTOR OF PLANNING AND DEVELOPMENT SERVICES  
 CITY OF CHESTERFIELD, MISSOURI

VICKIE MCGOWND,  
 CITY CLERK  
 CITY OF CHESTERFIELD, MISSOURI

**PRELIMINARY PLAN DISCLAIMER**

THIS PLAN WAS PREPARED USING RECORD/AVAILABLE SURVEYS, PROPERTY DESCRIPTIONS, TOPOGRAPHIC INFORMATION, UTILITY MAPS/MARKINGS, AERIAL PHOTOS, ETC. AS SUCH, THE DESIGN OF IMPROVEMENTS SHOWN HEREON IS TO BE CONSIDERED STRICTLY PRELIMINARY AND SUBJECT TO REVISION AS A RESULT OF ACTUAL BOUNDARY SURVEYS, FINAL ENGINEERING DESIGN AND AGENCY(S) REVIEW/APPROVAL.

I HEREBY CERTIFY THAT I HAVE PREPARED OR DIRECTED THE PREPARATION OF THIS PLAN BASED ON THIS INFORMATION. IT IS TO BE CONSIDERED STRICTLY PRELIMINARY, AND IS NOT TO BE USED FOR CONSTRUCTION.

*Michael Clay Vance* 4/1/22  
 MICHAEL CLAY VANCE, P.E., E-25616  
 VANCE ENGINEERING, INC.

THE WORK PREPARED BY OR UNDER THE AUTHORITY OF THIS ENGINEER HAS BEEN AUTHENTICATED BY HIS SEAL AND DATED ONLY, INCLUDING GRADING, DRAINAGE, APPROPRIATE TO THE PROJECT. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED TO HIM BY OTHERS AND FOR THE DESIGN OF THE WORK. THE ENGINEER'S RESPONSIBILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE WORK SHOWN ON THIS PLAN. THE ENGINEER'S DESIGN IS BASED ON THE INFORMATION PROVIDED TO HIM BY OTHERS AND IS NOT TO BE USED FOR CONSTRUCTION.

**Chabad of Chesterfield**  
 15310 Conway Road  
 Chesterfield, MO 63017

**Vance Engineering, Inc.**  
 10537 Lackland Road  
 St. Louis, MO 63114  
 P: 314.427.1800

VANCE ENGINEERING, INC.  
 MISSOURI STATE CERTIFICATE OF AUTHORITY NO. 2003022194

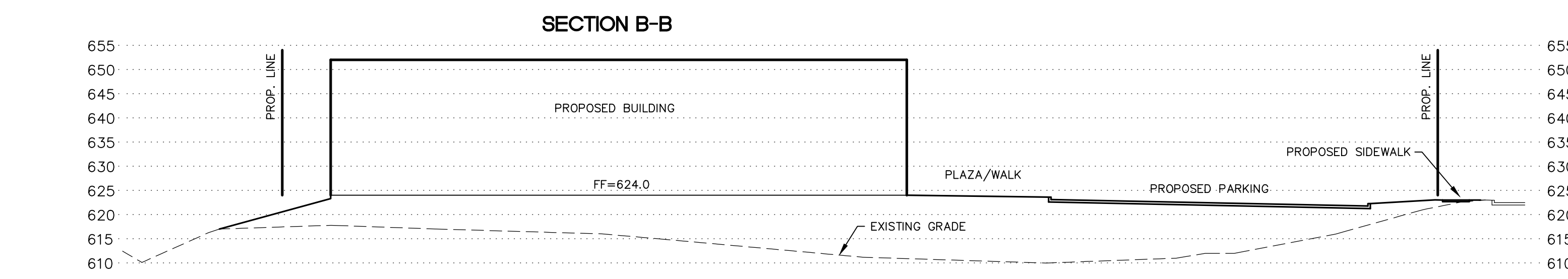
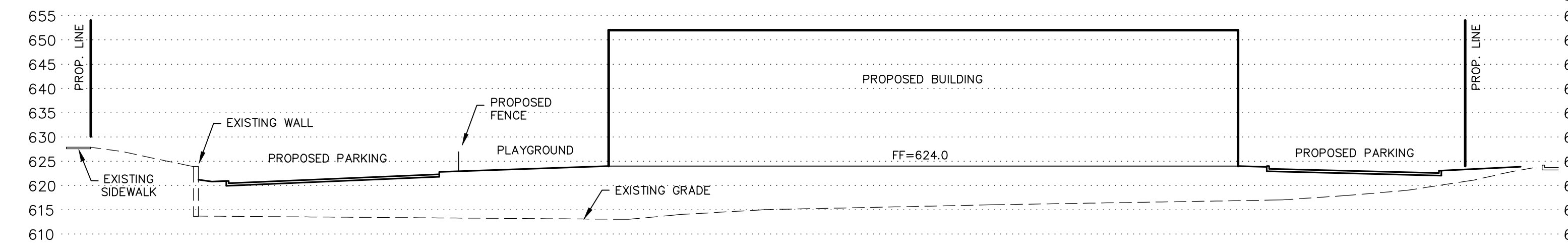
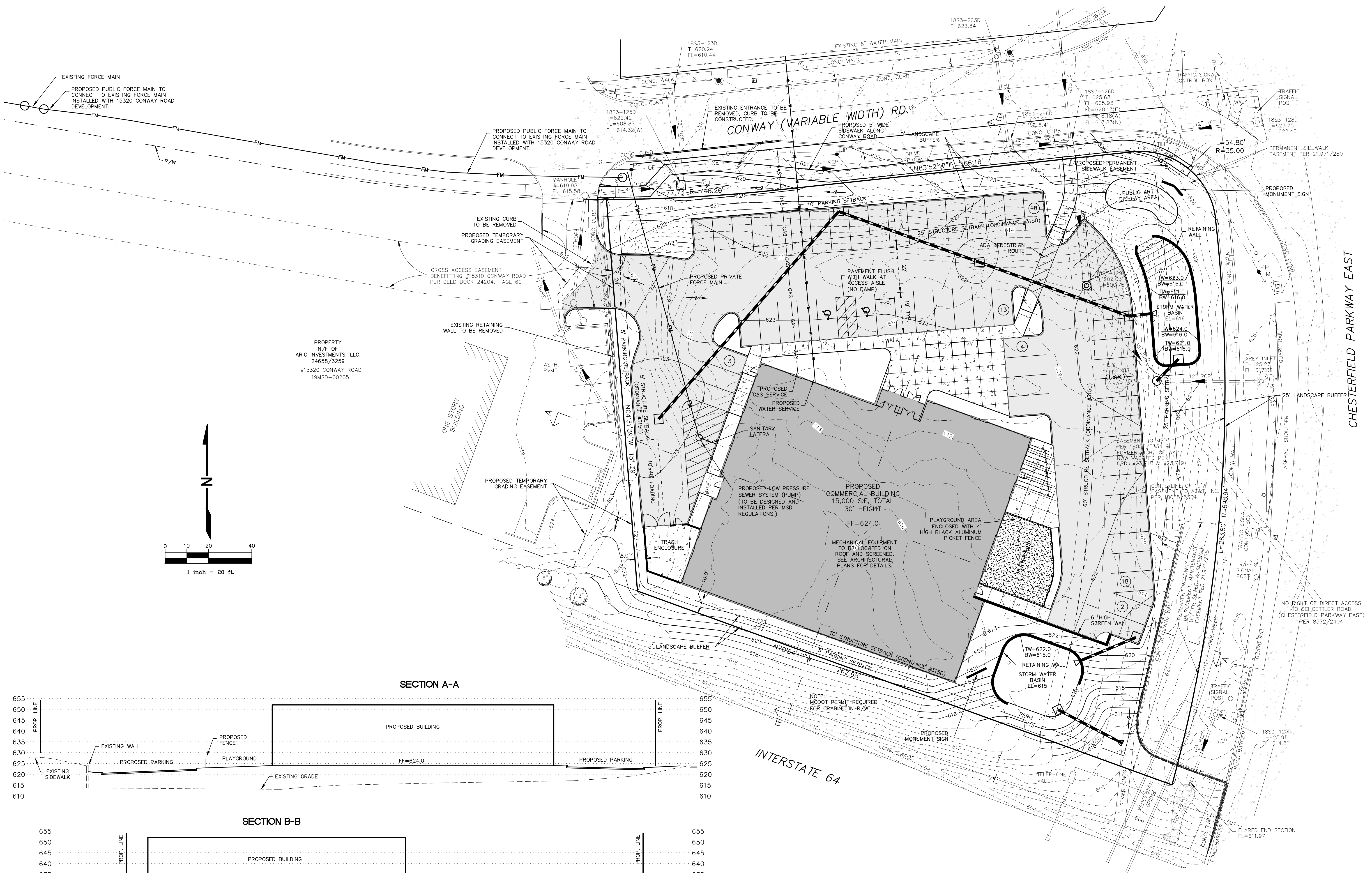
**15310 CONWAY ROAD**  
**SITE DEVELOPMENT PLAN**

PRELIMINARY

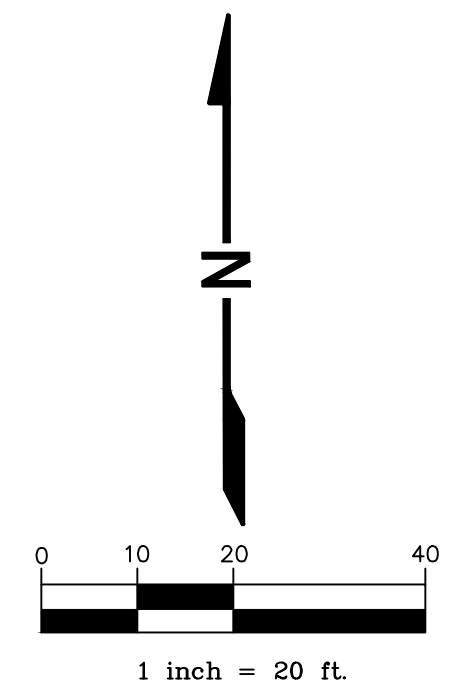
MICHAEL CLAY VANCE, P.E.  
 E-25616  
 REVISED

03/21/22 CITY

**20103**  
 11/09/21  
**1 / 2**  
 COPYRIGHT 2021



**SITE CROSS SECTIONS**  
SCALE: 1" = 20' (HORIZ. & VERT.)



THE WORK PREPARED BY OR UNDER THE AUTHORITY OF THIS ENGINEER IS LIMITED TO THE PROJECT AND SITE SPECIFICALLY IDENTIFIED BY THIS SEAL AND DATED HEREON. IT IS NOT TO BE USED FOR ANY OTHER PROJECTS, SITES, OR APPROPRIATIONS WITHOUT THE WRITTEN CONSENT OF THE ENGINEER. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF SURVEY DATA, RECORDS, OR INFORMATION PROVIDED BY OTHERS. THE ENGINEER'S RESPONSIBILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE PROJECT ELEMENTS INCLUDING RETAINING WALLS, EASEMENTS, AND EROSION CONTROL MEASURES. THE ENGINEER DOES NOT WARRANT THE ACCURACY OF ANY AND ALL INFORMATION, RECORDS, AND DATA PROVIDED BY OTHERS. THE ENGINEER'S LIABILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE PROJECT ELEMENTS AND SHALL NOT BE EXTENDED TO ANY OTHER PROJECTS, SITES, OR APPROPRIATIONS WITHOUT THE WRITTEN CONSENT OF THE ENGINEER. THE DATE OF THIS SEAL IS THE DATE OF THE SIGNATURE, AND NOT THE DATE OF THE SEAL.

**Chabad of Chesterfield**  
15310 Conway Road  
Chesterfield, MO 63017

**Vance Engineering, Inc.**  
10537 Lackland Road  
St. Louis, MO 63114  
P: 314.427.1800

**15310 CONWAY ROAD**  
**SITE DEVELOPMENT PLAN**

PRELIMINARY

4/1/22  
MICHAEL CLAY VANCE, P.E.  
E-25616

REVISED

03/21/22 CITY

**20103**  
11/09/21  
**2 / 2**  
COPYRIGHT 2021



| PLANTING SCHEDULE                  |          |  |                                |          |         |                  |                           |        |
|------------------------------------|----------|--|--------------------------------|----------|---------|------------------|---------------------------|--------|
| SYMBOL                             | QUANTITY | BOTANICAL NAME                             | COMMON NAME                    | SIZE     | REMARKS | SIZE GROWTH RATE | SLOW/MEDIUM GROWTH RATE % |        |
| <b>CANOPY-SHADE TREES</b>          |          |  |                                |          |         |                  |                           |        |
| A                                  | 2        | Zelkova serrata 'Village Green'            | Village Green Zelkova          | 2.5" cal | B&B     | Lg/Fast          | 4.9 %                     |        |
| B                                  | 2        | Ulmus 'Frontier'                           | Frontier Elm                   | 2.5" cal | B&B     | Lg/Fast          |                           |        |
| C                                  | 2        | Quercus rubra                              | Red Oak                        | 2.5" cal | B&B     | Lg/M-Fast        |                           |        |
| D                                  | 2        | Acer rubrum 'October Glory'                | October Glory Red Maple        | 2.5" cal | B&B     | Lg/Fast          |                           |        |
| E                                  | 2        | Carpinus betulus                           | Common Hornbeam                | 2.5" cal | B&B     | Med/Slow-M       | 4.9 %                     |        |
| F                                  | 3        | Ginkgo biloba 'Autumn Gold'                | Autumn Gold Ginkgo             | 2.5" cal | B&B     | Lg/Slow-M        | 7.3 %                     |        |
| G                                  | 3        | Gleditsia triacanthos f. inermis 'Skycole' | Skyline Honeylocust            | 2.5" cal | B&B     | Lg/Fast          |                           |        |
| <b>UNDERSTORY-ORNAMENTAL TREES</b> |          |  |                                |          |         |                  |                           |        |
| J                                  | 2        | Amelanchier x grand. 'Autumn Brilliance'   | Autumn Brilliance Serviceberry | 2.5" cal | B&B     | Med/Slow-M       | 4.9 %                     |        |
| K                                  | 3        | Chionanthus virginicus                     | Fringetree                     | 2.5" cal | B&B     | Small/Slow       | 7.3 %                     |        |
| <b>EVERGREEN TREES</b>             |          |  |                                |          |         |                  |                           |        |
| P                                  | 5        | Picea abies                                | Norway Spruce                  | 6" h.    | B&B     | Lg/Med           |                           |        |
| Q                                  | 10       | Juniperus chinensis 'Keteleeri'            | Keteleeri Juniper              | 6" h.    | B&B     | Small/Slow-M     | 24.4 %                    |        |
| R                                  | 5        | Thuja 'Green Giant'                        | Green Giant Arborvitae         | 6" h.    | B&B     | Lg/Fast          |                           |        |
|                                    |          |  |                                |          |         |                  | Total                     | 53.7 % |

| SHRUBS-GRASSES-PERENNIALS-ANNUALS-GROUNDCOVER |     |  |                                       |         |  |          |  |
|---|-----|--|---------------------------------------|---------|--|----------|--|
| a   | 14  | Buxus 'Green Velvet'                       | Green Velvet Boxwood                  | 18"     |  | Cont.    |  |
| b   | 10  | Buxus x 'Green Mountain'                   | Green Mountain Boxwood                | 18"     |  | Cont.    |  |
| c   | 42  | Syringa x 'Penda'                          | Bloomerang Purple Lilac               | 18"     |  | Cont.    |  |
| d   | 16  | Invincibelle Limetta Smooth Hydrangea      | Invincibelle Limetta Smooth Hydrangea | 18"     |  | Cont.    |  |
| e   | 10  | Hydrangea paniculata 'LVOBO'               | Bobo Panicle Hydrangea                | 18"     |  | Cont.    |  |
| f   | 14  | Juniperus virginiana 'Grey Owl'            | Grey Owl Juniper                      | 18"     |  | Cont.    |  |
| g   | 13  | Spiraea media 'SMSMBK'                     | Double Play Blue Kazoo Spirea         | 18"     |  | Cont.    |  |
| h   | 12  | Caryopteris x clandonensis 'Janice'        | Lil Miss Sunshine Bluebeard           | 18"     |  | Cont.    |  |
| j   | 7   | Rhus aromatica 'Gro-Low'                   | Gro-Low Fragrant Sumac                | 18"     |  | Cont.    |  |
| k   | 34  | Calamagrostis x acutiflora 'Karl Foerster' | Karl Foerster Feather Reed Grass      | 1 gal.  |  | Cont.    |  |
| m   | 341 | Iberis sempervirens                        | Candytuft                             | 1 qt.   |  | 12" o.c. |  |
| n   | 75  | Sedum spurium                              | Tricolor Stonecrop                    | 2" c.p. |  | 12" o.c. |  |

| PLANTING SCHEDULE - MITIGATION     |          |                                 |                          |          |         |                  |                           |        |
|------------------------------------|----------|---------------------------------|--------------------------|----------|---------|------------------|---------------------------|--------|
| SYMBOL                             | QUANTITY | BOTANICAL NAME                  | COMMON NAME              | SIZE     | REMARKS | SIZE GROWTH RATE | SLOW/MEDIUM GROWTH RATE % |        |
| <b>CANOPY-SHADE TREES</b>          |          |                                 |                          |          |         |                  |                           |        |
| AA                                 | 1        | Zelkova serrata 'Village Green' | Village Green Zelkova    | 2.5" cal | B&B     | Lg/Fast          | 5.9 %                     |        |
| CC                                 | 1        | Quercus rubra                   | Red Oak                  | 2.5" cal | B&B     | Lg/M-Fast        |                           |        |
| DD                                 | 2        | Acer rubrum 'October Glory'     | October Glory Red Maple  | 2.5" cal | B&B     | Lg/Fast          |                           |        |
| EE                                 | 1        | Carpinus betulus                | Common Hornbeam          | 2.5" cal | B&B     | Med/Slow-M       | 5.9 %                     |        |
| <b>UNDERSTORY-ORNAMENTAL TREES</b> |          |                                 |                          |          |         |                  |                           |        |
| KK                                 | 1        | Chionanthus virginicus          | Fringetree (single stem) | 2.5" cal | B&B     | Small/Slow       | 5.9 %                     |        |
| <b>EVERGREEN TREES</b>             |          |                                 |                          |          |         |                  |                           |        |
| PP                                 | 3        | Picea abies                     | Norway Spruce            | 6" h.    | B&B     | Lg/Med           |                           |        |
| RR                                 | 3        | Thuja 'Green Giant'             | Green Giant Arborvitae   | 6" h.    | B&B     | Lg/Fast          |                           |        |
| SS                                 | 5        | Juniperus virginiana            | Juniper                  | 6" h.    | B&B     | Med/Med          | 29.4 %                    |        |
|                                    |          |                                 |                          |          |         |                  | Total                     | 47.1 % |

**Mitigation:**

**30 % Total Existing Tree Canopy Area** = 6,304 s.f. (0.14 acres)  
**Required To Be Preserved**

**Total Tree Canopy Area** = 6,304 s.f. - 324 s.f. preserved tree canopy  
**Required For Mitigation** = 5,980 s.f. tree canopy required for mitigation  
 (10 large trees, 6 medium trees, and 1 small tree)

Ultimate Tree Canopy area values for planted trees per City of Chesterfield Tree Preservation and Landscape Requirements (P.Z. 25-2008)

- a. Large Tree — 400 sq. ft.
- b. Medium Tree — 300 sq. ft.
- c. Small Tree — 200 sq. ft.

Open Space: 37.6 %



Jerald Saunders - Landscape Architect  
 MO License # LA-007

Consultants:

**Chabad of Chesterfield**  
 15310 Conway Road  
 Chesterfield, Missouri

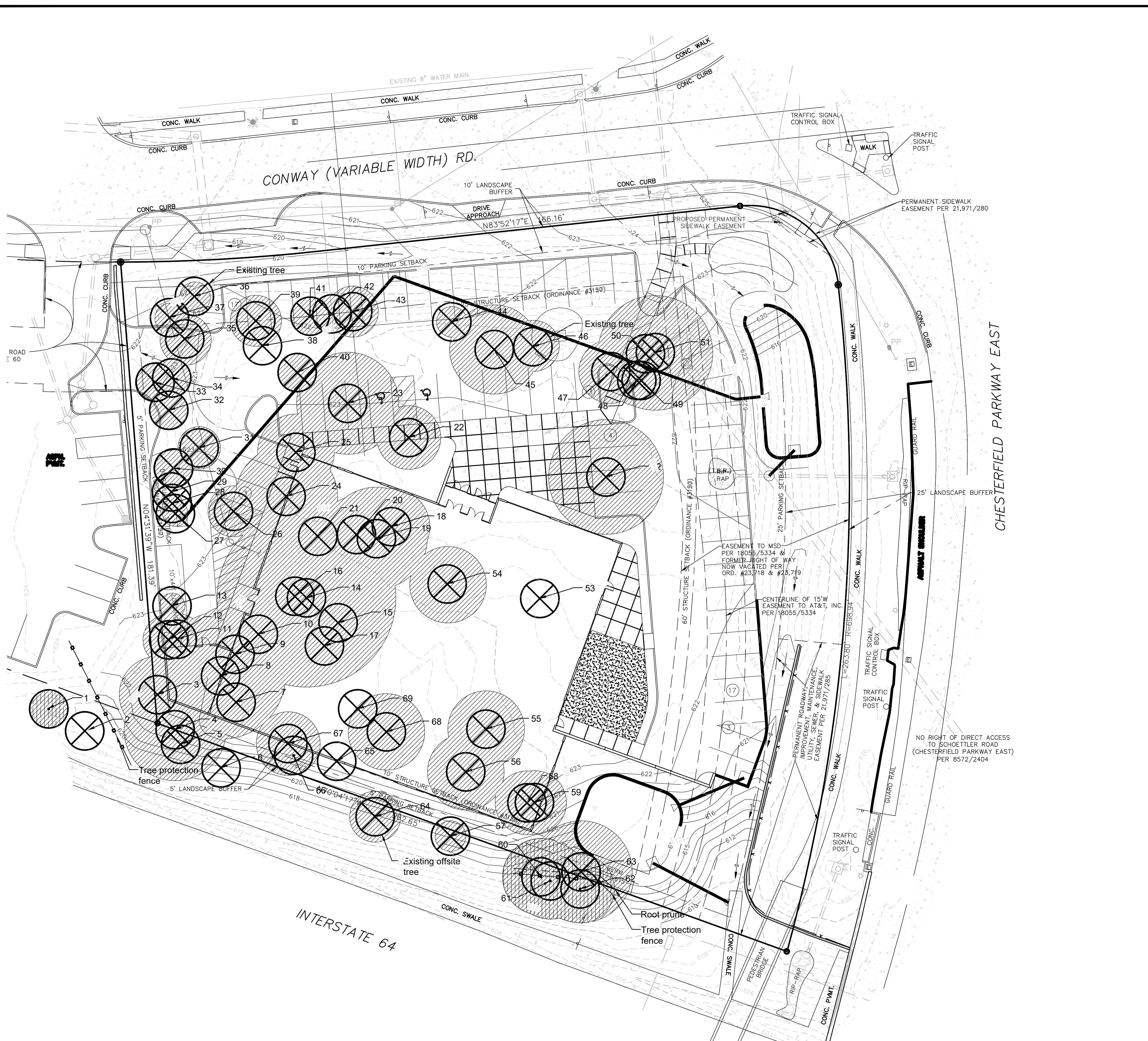
| Revisions: |               |     |
|------------|---------------|-----|
| Date       | Description   | No. |
| 3/22/22    | City Comments | 1   |
|            |               |     |
|            |               |     |
|            |               |     |
|            |               |     |
|            |               |     |
|            |               |     |
|            |               |     |
|            |               |     |

Drawn: RS  
 Checked: RS

**LOOMIS ASSOCIATES**  
 landscape architects + planners  
 750 spirit 40 park drive, chesterfield, missouri 63005  
 t. 636-519-8668 www.loomis-associates.com

Loomis Associates, Inc.  
 Missouri State Certificate of Authority # LAC-#0000191

|              |                |
|--------------|----------------|
| Sheet Title: | Landscape Plan |
| Sheet No.:   | L1.01          |
| Date:        | 12/17/21       |
| Job #:       | 1046.001       |



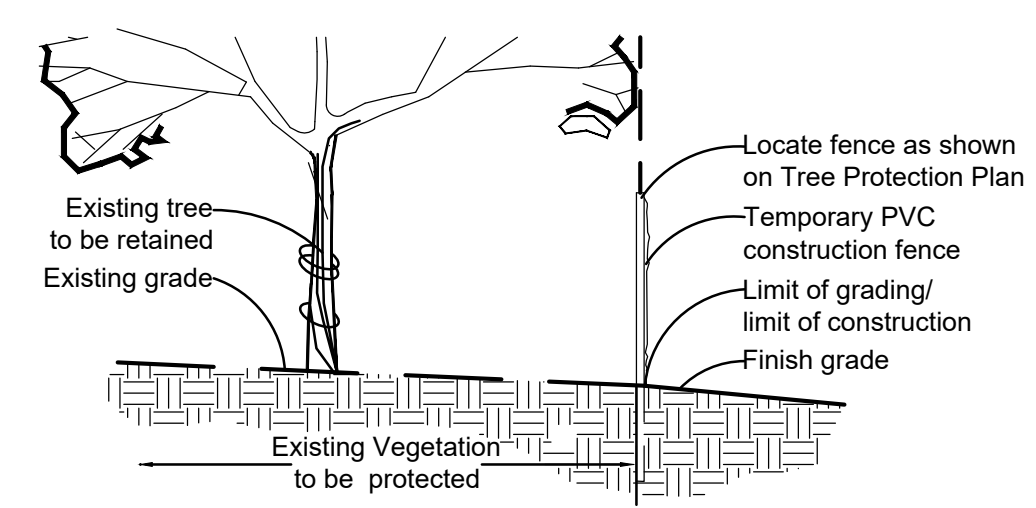
| ID | Tree Name    | DBH | Canopy Diam. | Condition | Comment                     | Preserved | To Be Removed |
|----|--------------|-----|--------------|-----------|-----------------------------|-----------|---------------|
| 1  | Cottonwood   | 8   | 10           | Fair      | Offsite-ROW                 | x         | x             |
| 2  | Dead         | 12  | 8            | Dead      | Offsite-ROW                 |           | x             |
| 3  | Ash          | 10  | 30           | Fair      | Basal Damage                |           | x             |
| 4  | Elm          | 24  | 40           | Fair      | Offsite-ROW-Deadwood        |           | x             |
| 5  | Elm          | 10  | 15           | Fair      | Offsite-ROW                 |           | x             |
| 6  | Elm          | 18  | 20           | Dead      | Offsite-ROW                 |           | x             |
| 7  | Elm          | 10  | 25           | Fair      |                             |           | x             |
| 8  | Ash          | 24  | 50           | Fair      | Broken Limbs                |           | x             |
| 9  | Elm          | 15  | 40           | Poor      |                             |           | x             |
| 10 | Ash          | 14  | 30           | Fair      |                             |           | x             |
| 11 | Elm          | 6   | 20           | Fair      |                             |           | x             |
| 12 | Hackberry    | 10  | 20           | Fair      | Damage                      |           | x             |
| 13 | Elm          | 10  | 10           | Poor      | Leaning                     |           | x             |
| 14 | Ash          | 18  | 70           | Poor      | Large Deadwood              |           | x             |
| 15 | Elm          | 14  | 30           | Fair      |                             |           | x             |
| 16 | Elm          | 24  | 30           | Poor      |                             |           | x             |
| 17 | Ailanthus    | 12  | 30           | Fair      | Trunk damage                |           | x             |
| 18 | Sassafras    | 15  | 30           | Poor      | Leaning, sprouts            |           | x             |
| 19 | Hackberry    | 16  | 40           | Fair      | Leaning                     |           | x             |
| 20 | Sassafras    | 14  | 30           | Fair      | Trunk damage                |           | x             |
| 21 | Elm          | 12  | 30           | Fair      |                             |           | x             |
| 22 | Boxelder     | 18  | 25           | Poor      | Severe damage               |           | x             |
| 23 | Ash          | 20  | 40           | Fair      |                             |           | x             |
| 24 | Hackberry    | 15  | 40           | Fair      |                             |           | x             |
| 25 | Elm          | 25  | 30           | Fair      |                             |           | x             |
| 26 | Hackberry    | 8   | 20           | Fair      |                             |           | x             |
| 27 | Elm          | 8   | 10           | Poor      |                             |           | x             |
| 28 | Elm          | 6   | 8            | Poor      |                             |           | x             |
| 29 | Dead         | 12  | 0            | Dead      | Dead                        |           | x             |
| 30 | Elm          | 8   | 15           | Poor      |                             |           | x             |
| 31 | Hackberry    | 8   | 15           | Fair      |                             |           | x             |
| 32 | Hackberry    | 8   | 15           | Good      |                             |           | x             |
| 33 | Ash          | 10  | 15           | Fair      |                             |           | x             |
| 34 | Elm          | 6   | 15           | Fair      |                             |           | x             |
| 35 | Sassafras    | 12  | 20           | Poor      |                             |           | x             |
| 36 | Elm          | 6   | 12           | Fair      |                             |           | x             |
| 37 | Ailanthus    | 8   | 20           | Fair      |                             |           | x             |
| 38 | Cottonwood   | 40  | 70           | Dead      | Dead                        |           | x             |
| 39 | Elm          | 6   | 20           | Fair      |                             |           | x             |
| 40 | Cottonwood   | 8   | 15           | Poor      |                             |           | x             |
| 41 | Elm          | 5   | 15           | Poor      |                             |           | x             |
| 42 | Elm          | 6   | 15           | Fair      |                             |           | x             |
| 43 | Elm          | 6   | 20           | Poor      |                             |           | x             |
| 44 | Elm          | 8   | 12           | Fair      |                             |           | x             |
| 45 | Sycamore     | 24  | 35           | Good      | Twin Trunk                  |           | x             |
| 46 | Elm          | 8   | 20           | Fair      |                             |           | x             |
| 47 | Silver Maple | 10  | 25           | Fair      | Multistem                   |           | x             |
| 48 | Elm          | 11  | 20           | Fair      |                             |           | x             |
| 49 | Elm          | 8   | 20           | Fair      |                             |           | x             |
| 50 | Cottonwood   | 12  | 30           | Fair      | Twin Trunk                  |           | x             |
| 51 | Cottonwood   | 20  | 45           | Fair      |                             |           | x             |
| 52 | Magnolia     | 25  | 45           | Fair      | Twin, Trunk and Limb damage |           | x             |
| 53 | Silver Maple | 30  | 0            | Dead      | Dead                        |           | x             |
| 54 | Elm          | 14  | 30           | Fair      |                             |           | x             |
| 55 | Ash          | 12  | 30           | Fair      | Triple Trunk                |           | x             |
| 56 | Black Cherry | 14  | 30           | Fair      |                             |           | x             |
| 57 | Black Cherry | 14  | 12           | Fair      | Offsite-ROW                 |           | x             |
| 58 | Cedar        | 14  | 25           | Fair      |                             |           | x             |
| 59 | Cedar        | 14  | 25           | Fair      |                             |           | x             |
| 60 | Elm          | 12  | 30           | Fair      | Offsite-ROW                 | x         |               |
| 61 | Elm          | 12  | 30           | Fair      | Offsite-ROW                 | x         |               |
| 62 | Locust       | 8   | 12           | Fair      | Offsite-ROW                 | x         |               |
| 63 | Elm          | 24  | 40           | Fair      | Twin Trunk                  |           | x             |
| 64 | Elm          | 10  | 20           | Fair      | Offsite-ROW                 |           | x             |
| 65 | Dead         | 20  | 0            | Dead      | Dead                        |           | x             |
| 66 | Ash          | 12  | 25           | Fair      |                             |           | x             |
| 67 | Elm          | 12  | 25           | Fair      |                             |           | x             |
| 68 | Elm          | 14  | 30           | Fair      |                             |           | x             |
| 69 | Black Cherry | 14  | 0            | Dead      | Dead                        |           | x             |

**Tree Protection Notes:**

- 1) Pre-construction meeting to be held on-site to include a presentation of tree protection measures to operators, construction supervisors, developer's representative, and city zoning inspector.
- 2) Clearing Limits to be rough staked in order to facilitate location for installation of protection fencing. No early maintenance schedule is required.
- 3) No clearing or grading shall begin in areas where the treatment and preservation measures have not been completed, including the installation of tree protection fencing as shown on the plan. Where necessary, Contractor may perform minor tree clearing prior to installing silt fencing and tree protection fencing provided they maintain tree protection area.
- 4) Tree Protection Fencing shall be 4-foot high temporary plastic construction fence. No equipment traffic/parking, concrete washout, material storage or other such construction activity shall be permitted to penetrate the protection fencing or disrupt the Protected Woodland Area except for the removal of dead or invasive plant material. All ground plane in planting areas shall be mulched with hardwood bark mulch. Tree Protection Signage will be placed along the Protection Fencing as shown as the dashed line on the plan.
- 5) Tree protection measures to be maintained throughout construction sequence.

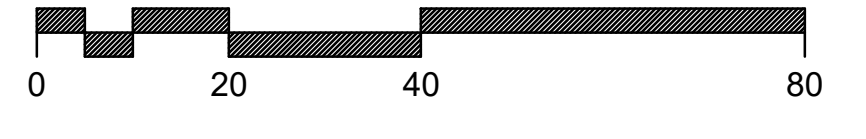
**Tree Protection Action Key Sequence:**

- 1) Survey limit of disturbance.
- 2) Perform root pruning.
- 3) Install tree protection fencing.
- 4) Post tree protection signage on fence (No signs will be posted on trees).
- 5) Maintain tree protection area as an off-limits zone.

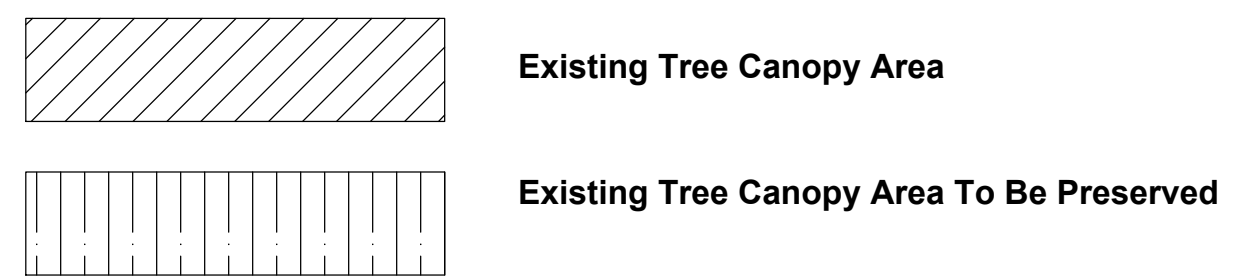


**Tree Protection Detail**

**Tree Preservation Plan**  
SCALE 1"=20'



|  |   |                          |  |   |                                   |
|--|---|--------------------------|--|---|-----------------------------------|
| <b>Total Site Area</b>                 | = | 64,853 s.f. (1.49 acres) | <b>Existing Tree Canopy Area To Be Removed</b>   | = | 20,779 s.f. (0.48 acres) (98.5 %) |
| <b>Total Existing Tree Canopy Area</b> | = | 21,013 s.f. (0.48 acres) | <b>Existing Tree Canopy Area To Be Preserved</b> | = | 324 s.f. (0.01 acres) (1.5 %)     |



Jerald Saunders - Landscape Architect  
MO License # LA-007

Consultants:

**Chabad of Chesterfield**  
15310 Conway Road  
Chesterfield, Missouri

Revisions:

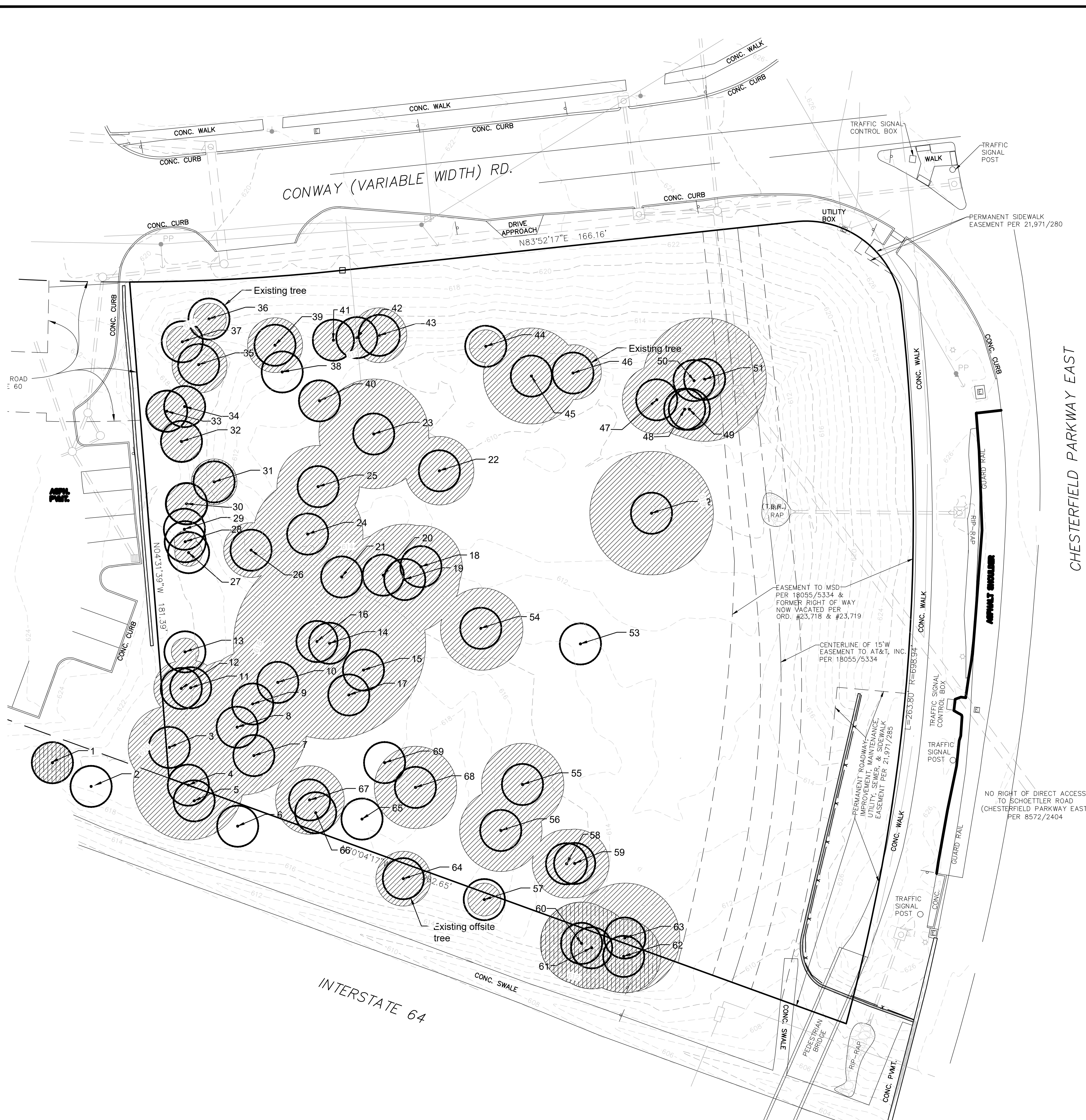
| Date    | Description   | No. |
|---------|---------------|-----|
| 3/22/22 | City Comments | 1   |

Drawn: RS  
Checked: RS



|              |                        |
|--------------|------------------------|
| Sheet Title: | Tree Preservation Plan |
| Sheet No:    | <b>TPP</b>             |
| Date:        | 12/17/21               |
| Job #:       | 1046.001               |

Tree Preservation Plan Prepared under direction of:  
Brian Bage  
Certified Arborist MW-5033A



| ID | Tree Name    | DBH | Canopy Diam. | Condition Rating | Comment                     |
|----|--------------|-----|--------------|------------------|-----------------------------|
| 1  | Cottonwood   | 8   | 10           | Fair             | Offsite-ROW                 |
| 2  | Dead         | 12  | 8            | Dead             | Offsite-ROW                 |
| 3  | Ash          | 10  | 30           | Fair             | Basal Damage Offsite-ROW    |
| 4  | Elm          | 24  | 40           | Fair             | Deadwood Offsite-ROW        |
| 5  | Elm          | 10  | 15           | Fair             | Offsite-ROW                 |
| 6  | Elm          | 18  | 20           | Dead             | Offsite-ROW                 |
| 7  | Elm          | 10  | 25           | Fair             |                             |
| 8  | Ash          | 24  | 50           | Fair             | Broken Limbs                |
| 9  | Elm          | 15  | 40           | Poor             |                             |
| 10 | Ash          | 14  | 30           | Fair             |                             |
| 11 | Elm          | 6   | 20           | Fair             |                             |
| 12 | Hackberry    | 10  | 20           | Fair             | Damage                      |
| 13 | Elm          | 10  | 10           | Poor             | Leaning                     |
| 14 | Ash          | 18  | 70           | Poor             | Large Deadwood              |
| 15 | Elm          | 14  | 30           | Fair             |                             |
| 16 | Elm          | 24  | 30           | Poor             |                             |
| 17 | Ailanthus    | 12  | 30           | Fair             | Trunk damage                |
| 18 | Sassafras    | 15  | 30           | Poor             | Leaning, sprouts            |
| 19 | Hackberry    | 16  | 40           | Fair             | Leaning                     |
| 20 | Sassafras    | 14  | 30           | Fair             | Trunk damage                |
| 21 | Elm          | 12  | 30           | Fair             |                             |
| 22 | Bokelder     | 18  | 25           | Poor             | Severe damage               |
| 23 | Ash          | 20  | 40           | Fair             |                             |
| 24 | Hackberry    | 15  | 40           | Fair             |                             |
| 25 | Elm          | 25  | 30           | Fair             |                             |
| 26 | Hackberry    | 8   | 20           | Fair             |                             |
| 27 | Elm          | 8   | 10           | Poor             |                             |
| 28 | Elm          | 6   | 8            | Poor             |                             |
| 29 | Dead         | 12  | 0            | Dead             | Dead                        |
| 30 | Elm          | 8   | 15           | Poor             |                             |
| 31 | Hackberry    | 8   | 15           | Fair             |                             |
| 32 | Hackberry    | 8   | 15           | Good             |                             |
| 33 | Ash          | 10  | 15           | Fair             |                             |
| 34 | Elm          | 6   | 15           | Fair             |                             |
| 35 | Sassafras    | 12  | 20           | Poor             |                             |
| 36 | Elm          | 6   | 12           | Fair             |                             |
| 37 | Ailanthus    | 8   | 20           | Fair             |                             |
| 38 | Cottonwood   | 40  | 70           | Dead             | Dead                        |
| 39 | Elm          | 6   | 20           | Fair             |                             |
| 40 | Cottonwood   | 8   | 15           | Poor             |                             |
| 41 | Elm          | 5   | 15           | Poor             |                             |
| 42 | Elm          | 6   | 15           | Fair             |                             |
| 43 | Elm          | 6   | 20           | Poor             |                             |
| 44 | Elm          | 8   | 12           | Fair             |                             |
| 45 | Sycamore     | 24  | 35           | Good             | Twin Trunk                  |
| 46 | Elm          | 8   | 20           | Fair             |                             |
| 47 | Silver Maple | 10  | 25           | Fair             | Multistem                   |
| 48 | Elm          | 11  | 20           | Fair             |                             |
| 49 | Elm          | 8   | 20           | Fair             |                             |
| 50 | Cottonwood   | 12  | 30           | Fair             | Twin Trunk                  |
| 51 | Cottonwood   | 20  | 45           | Fair             |                             |
| 52 | Magnolia     | 25  | 45           | Fair             | Twin, Trunk and Limb damage |
| 53 | Silver Maple | 30  | 0            | Dead             | Dead                        |
| 54 | Elm          | 14  | 30           | Fair             |                             |
| 55 | Ash          | 12  | 30           | Fair             | Triple Trunk                |
| 56 | Black Cherry | 14  | 30           | Fair             |                             |
| 57 | Black Cherry | 14  | 12           | Fair             | Offsite-ROW                 |
| 58 | Cedar        | 14  | 25           | Fair             |                             |
| 59 | Cedar        | 14  | 25           | Fair             |                             |
| 60 | Elm          | 12  | 30           | Fair             | Offsite-ROW                 |
| 61 | Elm          | 12  | 30           | Fair             | Offsite-ROW                 |
| 62 | Locust       | 8   | 12           | Fair             | Offsite-ROW                 |
| 63 | Elm          | 24  | 40           | Fair             | Twin Trunk                  |
| 64 | Elm          | 10  | 20           | Fair             | Offsite-ROW                 |
| 65 | Dead         | 20  | 0            | Dead             | Dead                        |
| 66 | Ash          | 12  | 25           | Fair             |                             |
| 67 | Elm          | 12  | 25           | Fair             |                             |
| 68 | Elm          | 14  | 30           | Fair             |                             |
| 69 | Black Cherry | 14  | 0            | Dead             | Dead                        |



Jerald Saunders - Landscape Architect  
MO License # LA-007

Consultants:

**Chabad of Chesterfield**  
15310 Conway Road  
Chesterfield, Missouri

| Date    | Description   | No. |
|---------|---------------|-----|
| 3/22/22 | City Comments | 1   |

Drawn: RS  
Checked: RS

**LOOMIS ASSOCIATES**  
landscape architects + planners  
750 spirit 40 park drive, chesterfield, missouri 63005  
t. 636-519-8668  
www.loomis-associates.com

Loomis Associates Inc.  
Missouri State Certificate of Authority # LAC#0000191

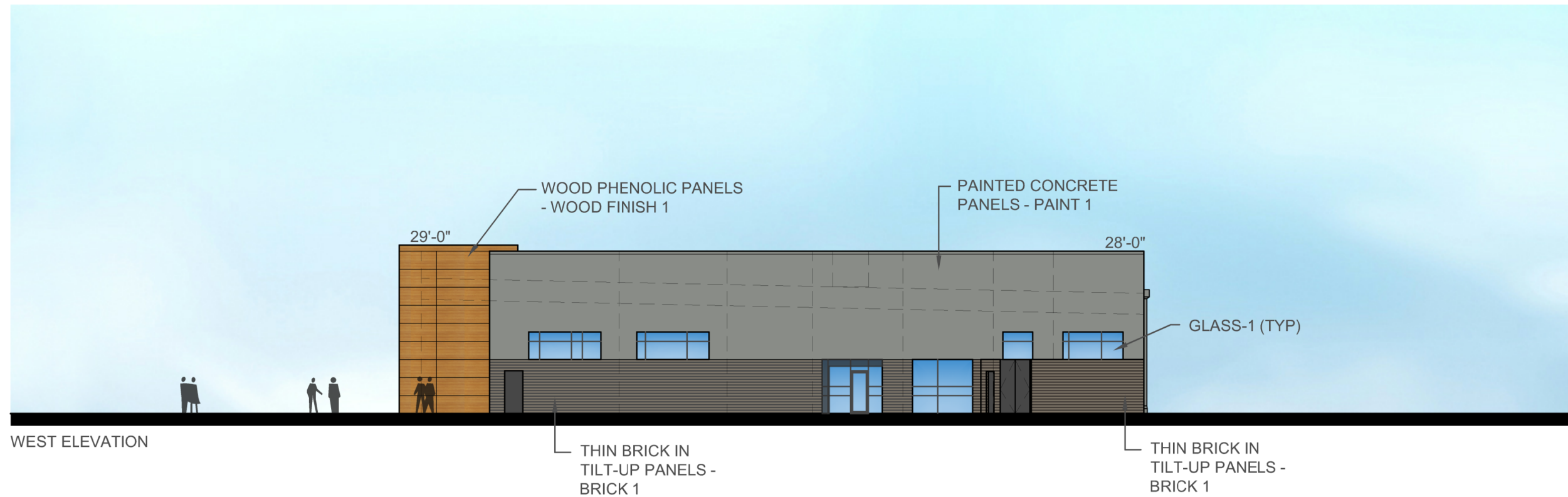


**Total Site Area** = 64,853 s.f. (1.49 acres)  
**Total Existing Tree Canopy Area** = 21,013 s.f. (0.48 acres)

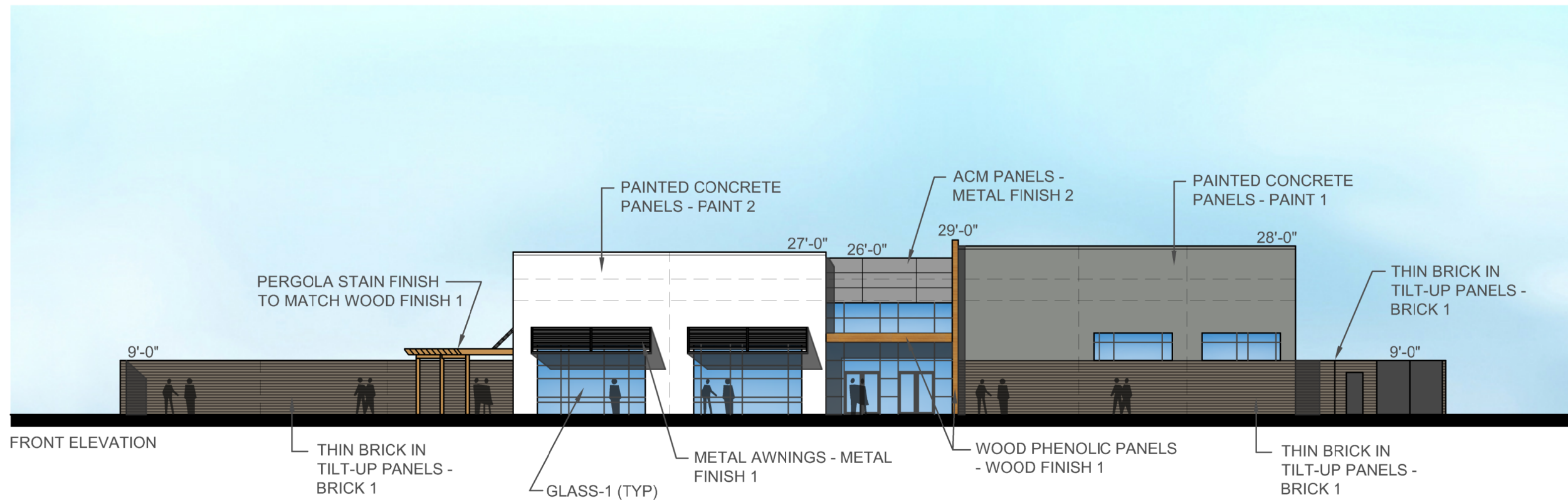
Tree Stand Delineation Prepared under direction of:  
Brian Bage  
Certified Arborist MW-5033A

*B. Bage*

|              |                        |
|--------------|------------------------|
| Sheet Title: | Tree Stand Delineation |
| Sheet No:    | <b>TSD</b>             |
| Date:        | 12/17/21               |
| Job #:       | 1046.001               |



WEST ELEVATION



FRONT ELEVATION



**Chabad of Chesterfield**

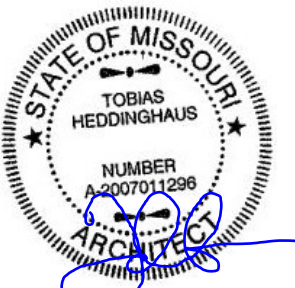
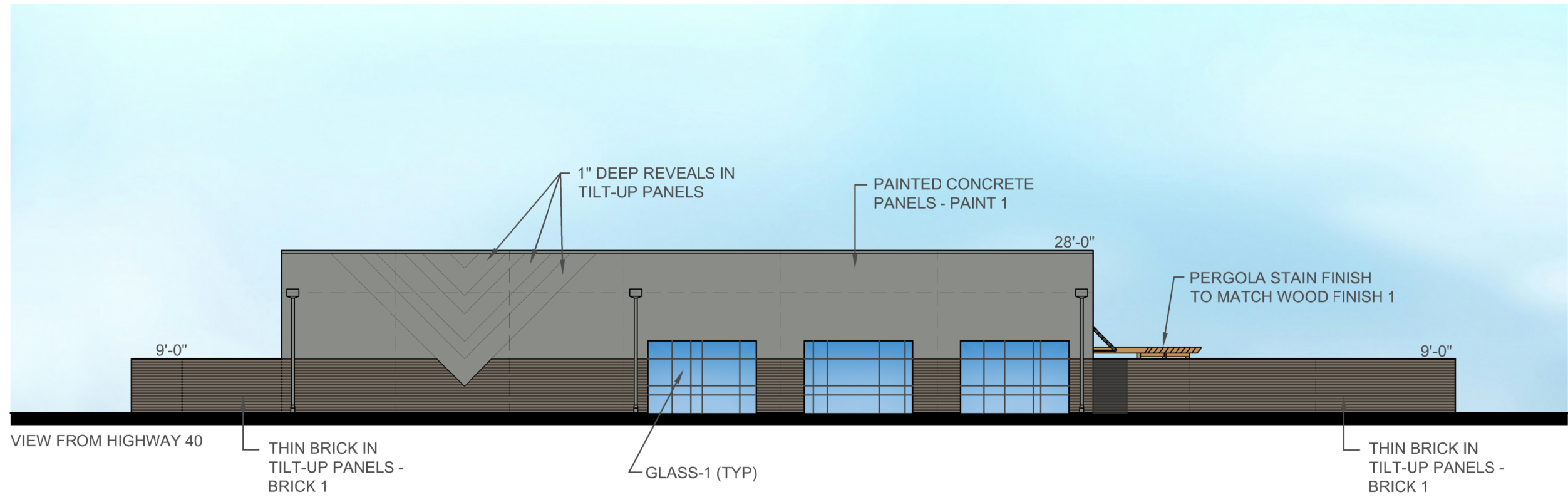
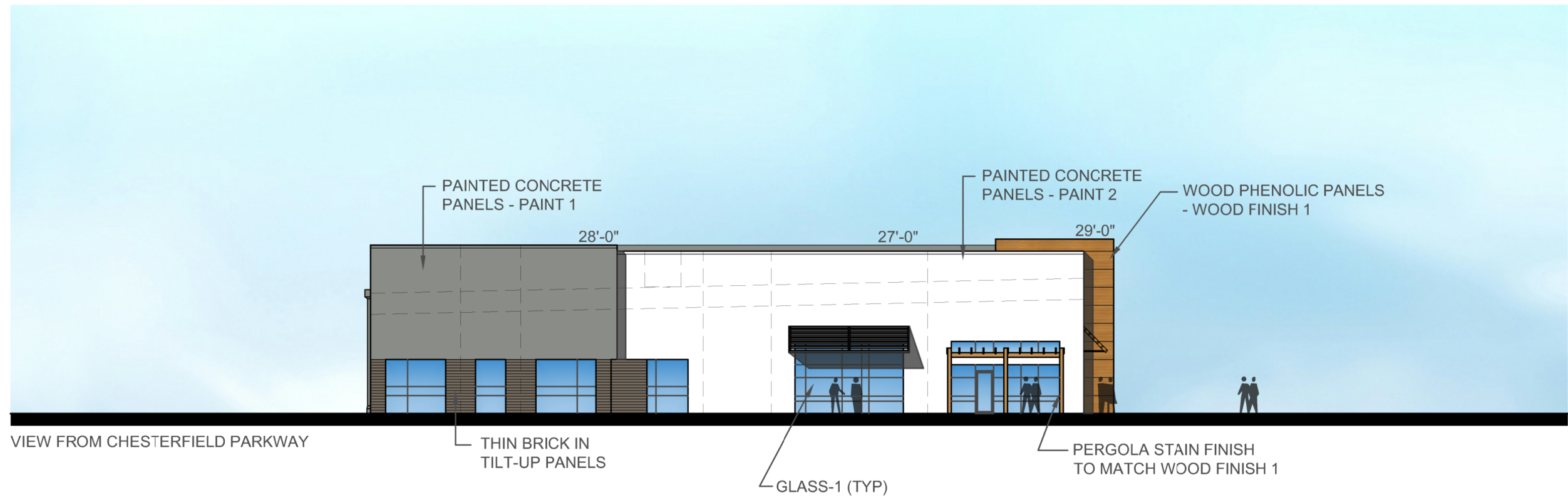
15310 Conway Road, Chesterfield, MO 63017

Elevations

27121325.00

04.04.2022





04.04.2022

# Chabad of Chesterfield

15310 Conway Road, Chesterfield, MO 63017

Elevations

27121325.00

04.04.2022









West Side



North Side



South Side



East Side





**Chabad of Chesterfield**

15310 Conway Road, Chesterfield, MO 63017

Exterior Materials

27121325.00

04.04.2022



# Schedule

| Symbol | Label    | Image | Quantity | Manufacturer      | Catalog Number   | Description  | Filename                       | Lumen Multiplier | Light Loss Factor | Total Lamp Lumens | Wattage  | Plot |
|--------|----------|-------|----------|-------------------|--|--|--------------------------------|------------------|-------------------|-------------------|----------|------|
|        | A        |       | 6        | Lithonia Lighting | RSX1 LED P4 40K R4 MVOLT SPA DBDXD + SSS 17' 4C DM19AS DBDXD | RSX Area Fixture Size 1 P4 Lumen Package 4000K CCT Type R4 Distribution                | RSX1_LED_P4_40K_R4.ies         | 1                | 0.9               | 16573             | 133.14   |      |
|        | B1       |       | 18       | Lithonia Lighting | DSXF2 LED P1 40K 70CRI HMF                                   | DSX Floodlight Luminaire Size 2 P1 Lumen Package 4000K CCT 70CRI Type HMF Distribution | DSXF2_LED_P1_40K_70CRI_HMF.ies | 1                | 0.9               | -1                | 63.8243  |      |
|        | C        |       | 2        | KICHLER           | 11251AZT30   | LED WALL CYLINDER  | 11251-photometric-report.ies   | 1                | 0.9               | 574               | 14.7     |      |
|        | WALLPACK |       | 1        | Lithonia Lighting | TWX3 LED ALO 40K MVOLT DBDXD                                 | TWX3 LED WITH ALO - PERFORMANCE PACKAGE, 4000K   | TWX3_LED_ALO_40K.ies           | 1                | 0.9               | 13877             | 108.0443 |      |

# Statistics

| Description        | Symbol | Avg    | Max     | Min    | Max/Min | Avg/Min |
|--------------------|--------|--------|---------|--------|---------|---------|
| SITE               | +      | 0.3 fc | 6.1 fc  | 0.0 fc | N/A     | N/A     |
| PARKING LOT        | +      | 2.5 fc | 7.5 fc  | 0.3 fc | 25.0:1  | 8.3:1   |
| PERIMETER WALKWAYS | +      | 2.4 fc | 49.9 fc | 0.0 fc | N/A     | N/A     |

### RSX1 LED Area Luminaire

**Specifications**

- Depth: 6.57 ft (2.00 m)
- Length: 21.37 ft (6.52 m)
- Width: 13.37 ft (4.08 m)
- Height: 3.07 ft (0.94 m)
- Weight: 22.0 lbs (10.0 kg)

**Introduction**

The new RSX1 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 RSX1 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 adjuster and other mounting configurations are available.

### TWX3 LED Wall Luminaire

**Specifications**

- Depth: 14.0"
- Width: 16.0"
- Height: 16.0"
- Weight: 27 lbs

**Introduction**

TWX3 LED wall pack family, a ground-up design that has the low initial cost customers demand while providing superior performance and a traditional form. The TWX3 LED is an energy efficient, saving up to 80% in energy costs when replacing a metal halide luminaire. Offering an expected service life of more than 50,000 hours, the TWX3 LED eliminates frequent lamp and ballast replacements associated with traditional led technology.

The Adjustable Light Output (ALCO) feature allows the contractor to set the light output during installation, to a level perfectly suited for the job site. The TWX3 LED ALCO luminaires can replace anything from a 100W to 400W metal halide luminaire.

### D-Series DSXF2 LED Floodlight

**Specifications**

- Depth: 20.8"
- Width: 14.2"
- Height: 12.8"
- Weight: 12.8 lbs
- Overall Height: 15.2"
- Weight: 12.8 lbs

**Introduction**

The D-Series floodlights feature a site-wide offering to meet specific every floodlighting need in application. The D-Series flood offers three sizes delivering 3,000 to 27,000 lumens. Available with seven precision optics, three mounting and three color temperatures, D-Series floodlights offer vast design capabilities while delivering significant energy savings and long life.

The DSXF2 delivers 7,000 to 17,000 lumens, meeting a large breadth of illumination requirements for design and installation when replacing 175W, 250W and 400W HID floodlights. All configurations are assembled in the USA allowing for quick delivery.

#### Ordering Information

EXAMPLE: RSX1 LED P4 40K R3 MVOLT SPA DBDXD

| Order | Part | Qty | Notes                              |
|-------|------|-----|------------------------------------|
| RSX1P | P1   | 6   | RSX1 LED P4 40K R3 MVOLT SPA DBDXD |
| RSX1P | P2   | 6   | SSS 17' 4C DM19AS DBDXD            |

#### Ordering Information

EXAMPLE: TWX3 LED ALO 40K MVOLT DBDXD

| Order | Part | Qty | Notes                        |
|-------|------|-----|------------------------------|
| TWX3P | P1   | 1   | TWX3 LED ALO 40K MVOLT DBDXD |

#### Ordering Information

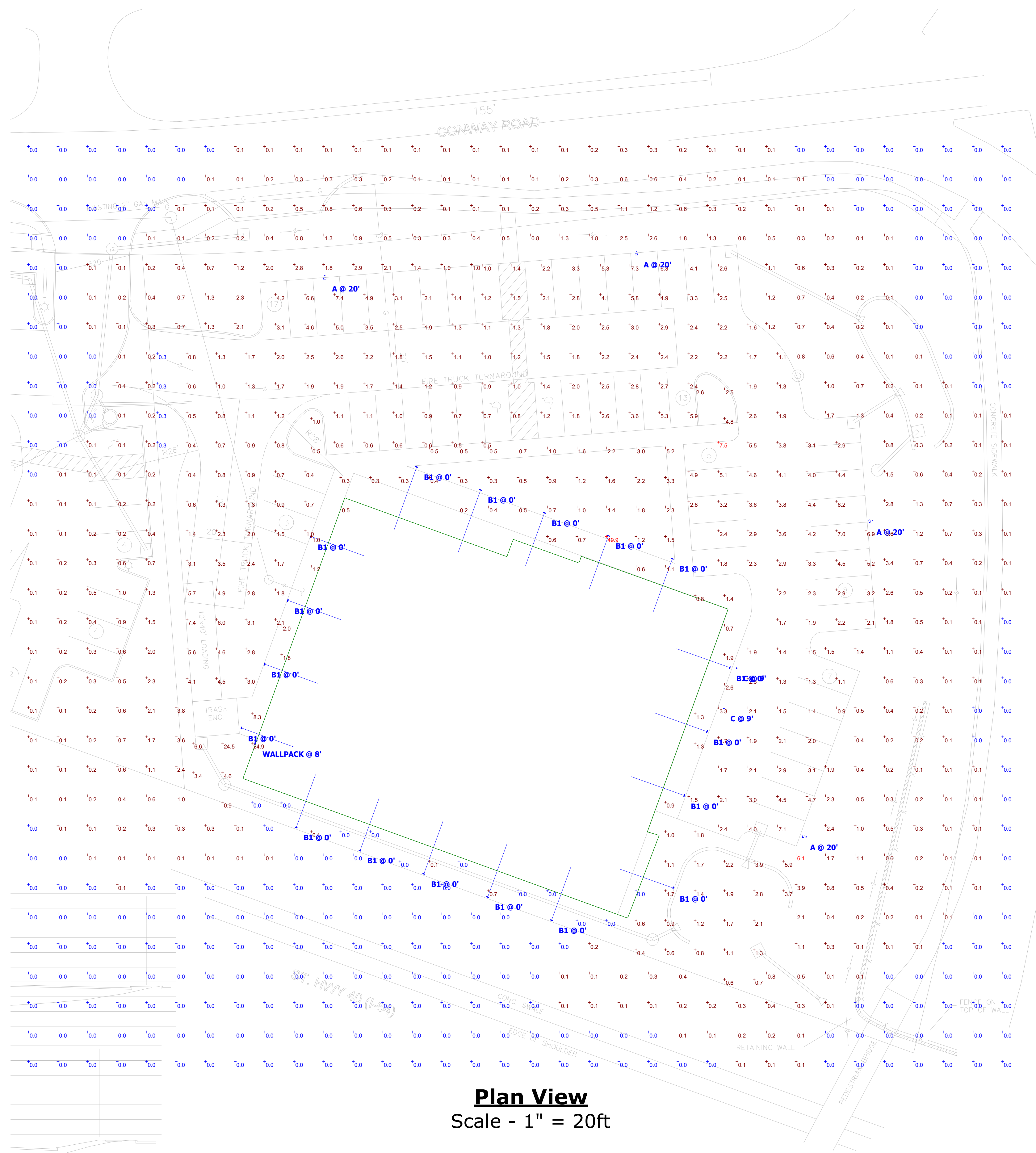
EXAMPLE: DSXF2 LED P1 40K 70CRI MSP MVOLT THK DBDXD

| Order  | Part | Qty | Notes                                      |
|--------|------|-----|--|
| DSXF2P | P1   | 18  | DSXF2 LED P1 40K 70CRI MSP MVOLT THK DBDXD |

LITHONIA LIGHTING COMMERCIAL OUTDOOR One Lithonia Way • Corcoran, Georgia 30512 • Phone: 1-800-755-SERV-2316 • [www.lithonia.com](http://www.lithonia.com)

LITHONIA LIGHTING COMMERCIAL OUTDOOR One Lithonia Way • Corcoran, Georgia 30512 • Phone: 1-800-755-SERV-2316 • [www.lithonia.com](http://www.lithonia.com)

LITHONIA LIGHTING COMMERCIAL OUTDOOR One Lithonia Way • Corcoran, Georgia 30512 • Phone: 1-800-755-SERV-2316 • [www.lithonia.com](http://www.lithonia.com)



**Plan View**  
Scale - 1" = 20ft

**DESIGNER'S NOTE:**

THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO EXISTING / FUTURE FIELD CONDITIONS. THIS LIGHTING LAYOUT REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY (IESNA) APPROVED METHODS. ADDITIONALLY, THE PREPARER USED INFORMATION PROVIDED BY THE CUSTOMER. IF/WHEN SUFFICIENT INFORMATION WAS NOT PROVIDED, PREPARER USED EDUCATED ASSUMPTIONS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE(S) MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER FIELD CONDITIONS NOT ACCOUNTED FOR IN THIS PHOTOMETRIC ANALYSIS.

THESE LIGHTING CALCULATIONS ARE NOT A SUBSTITUTE FOR INDEPENDENT ENGINEERING ANALYSIS OF LIGHTING SYSTEM SUITABILITY AND SAFETY. THE ENGINEER AND/OR ARCHITECT IS RESPONSIBLE TO REVIEW FOR ENERGY CODE AND RELEVANT LIGHTING QUALITY COMPLIANCE.

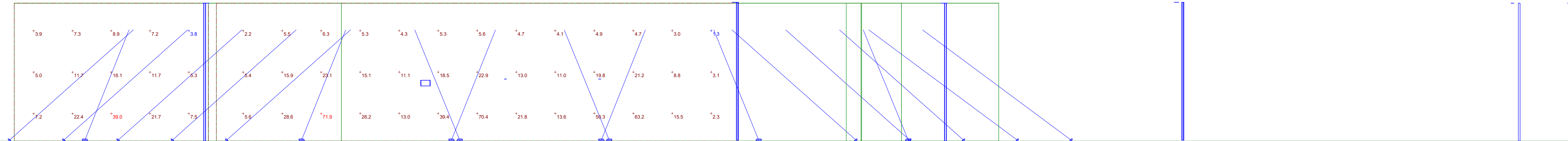
**Note**

- MEASUREMENTS TAKEN @ GROUND LEVEL
- MOUNTING HEIGHT NOTED ON EACH FIXTURE

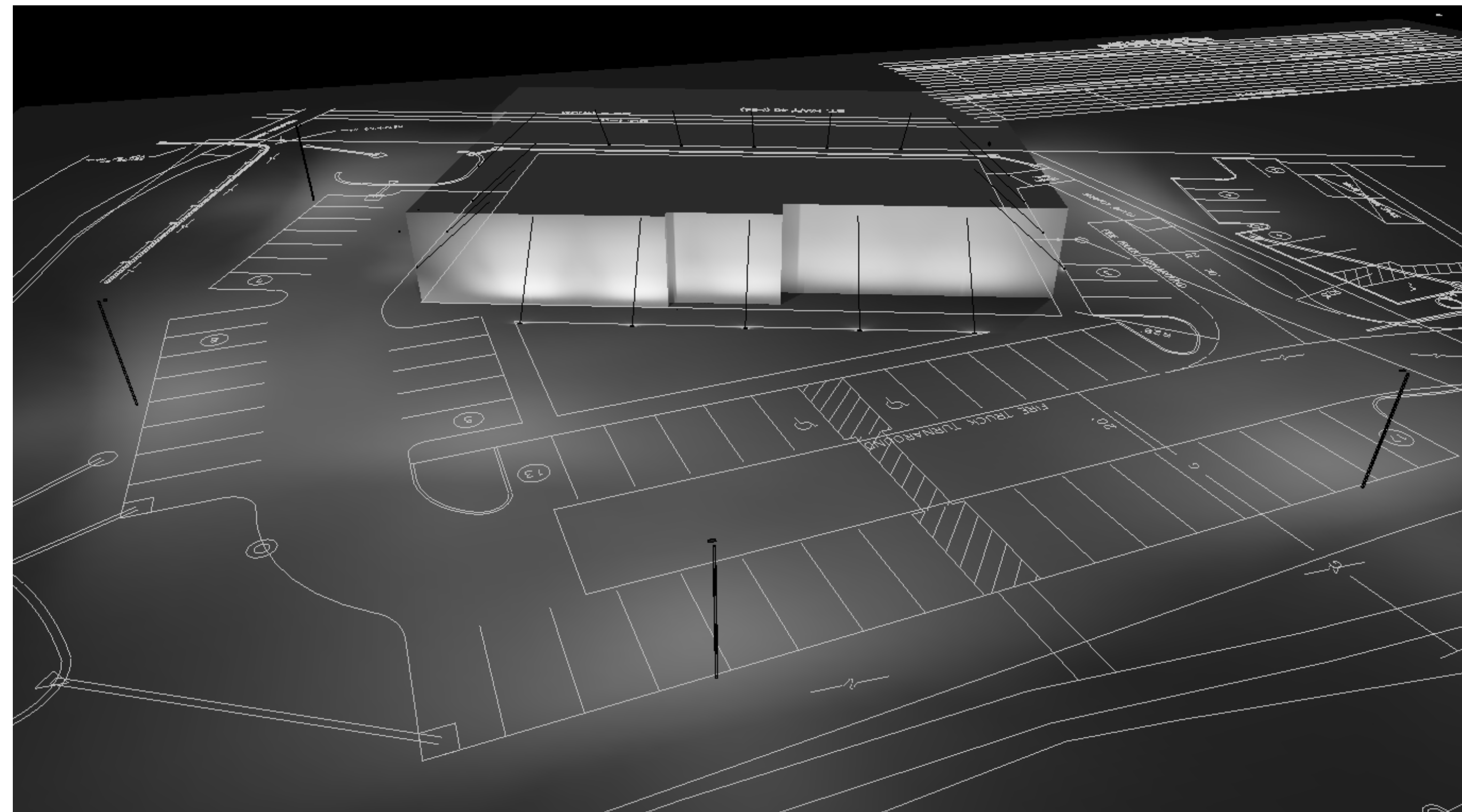


# CHABAD OF CHESTERFIELD OPTION 2

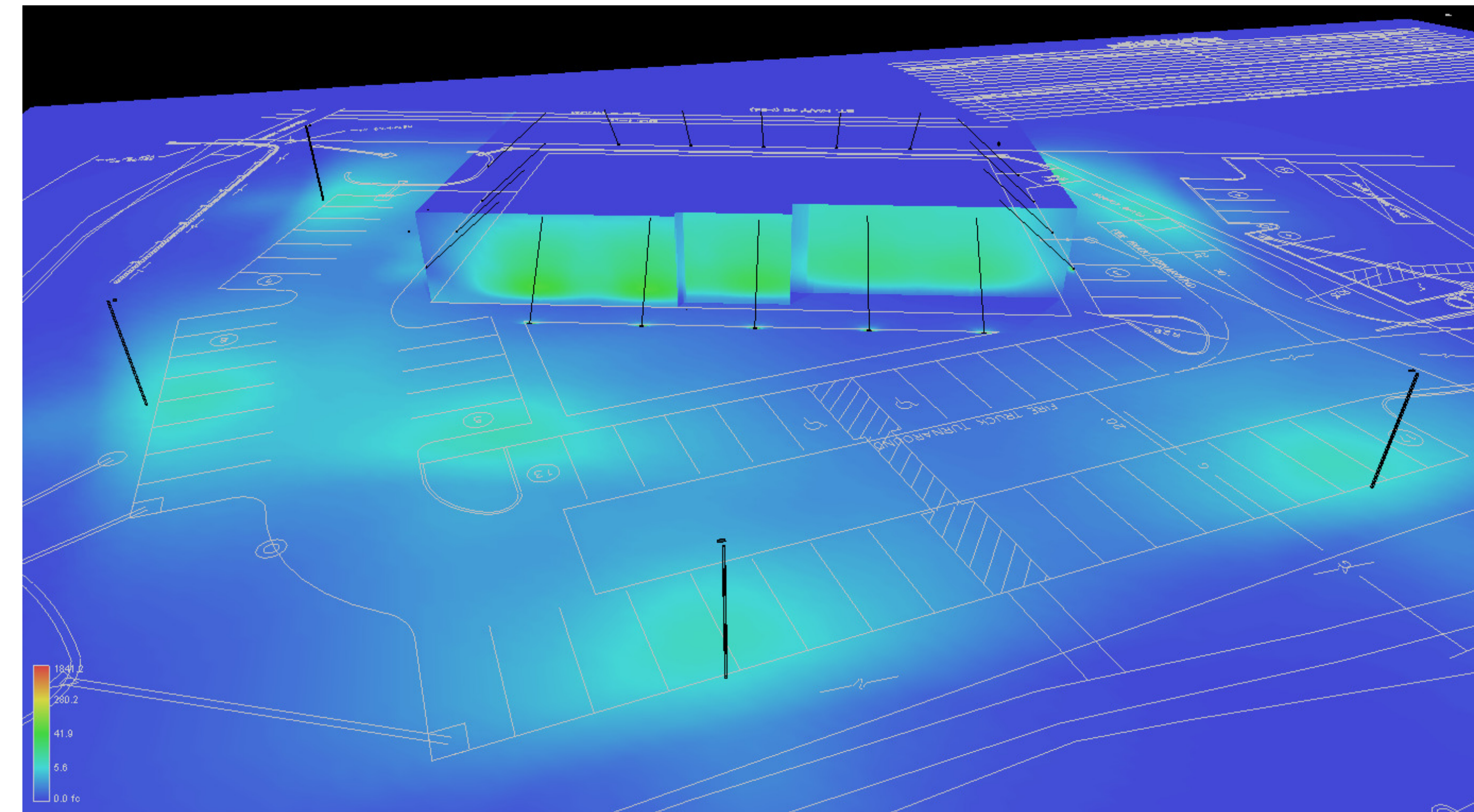
Designer: SLLG  
Date: 3/28/2022  
Scale: SEE DRAWINGS  
Drawing No: REV-1  
Summary: NORMAL OPERATION



**East View**  
Scale - 1" = 8ft



PERSPECTIVE



PERSPECTIVE - PSEUDO COLOR

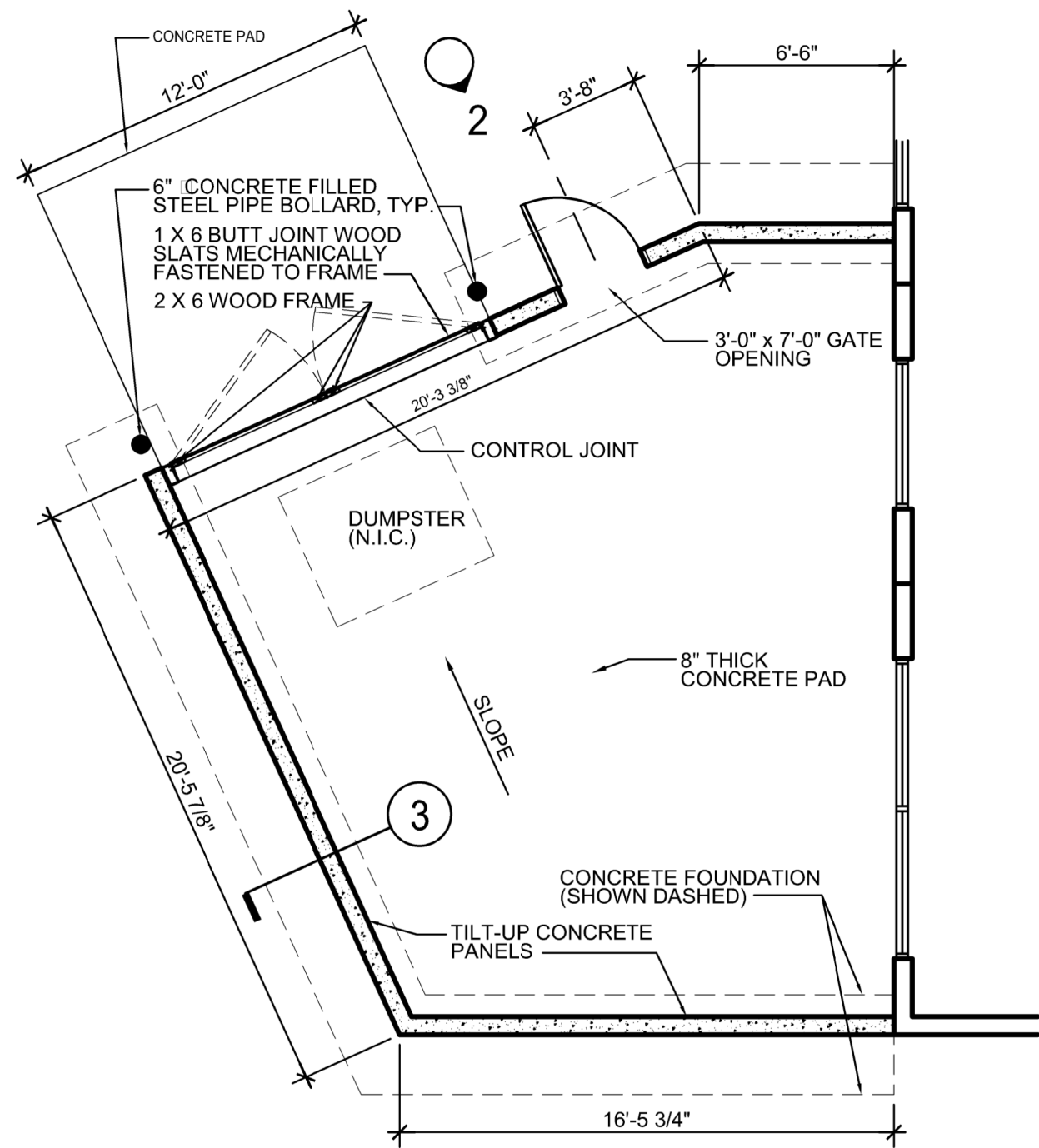
**DESIGNER'S NOTE:**

THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO EXISTING / FUTURE FIELD CONDITIONS. THIS LIGHTING LAYOUT REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY (IESNA) APPROVED METHODS. ADDITIONALLY, THE PREPARER USED INFORMATION PROVIDED BY THE CUSTOMER. IF/WHEN SUFFICIENT INFORMATION WAS NOT PROVIDED, PREPARER USED EDUCATED ASSUMPTIONS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE(S) MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER FIELD CONDITIONS NOT ACCOUNTED FOR IN THIS PHOTOMETRIC ANALYSIS.

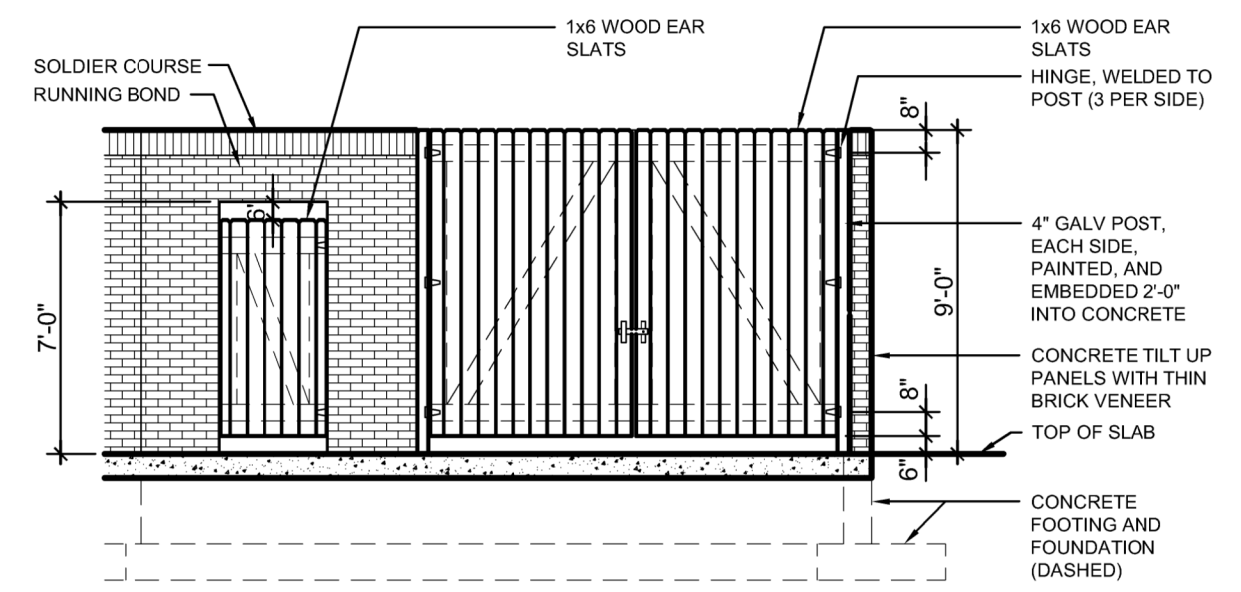
THESE LIGHTING CALCULATIONS ARE NOT A SUBSTITUTE FOR INDEPENDENT ENGINEERING ANALYSIS OF LIGHTING SYSTEM SUITABILITY AND SAFETY. THE ENGINEER AND/OR ARCHITECT IS RESPONSIBLE TO REVIEW FOR ENERGY CODE AND RELEVANT LIGHTING QUALITY COMPLIANCE.

**Note**

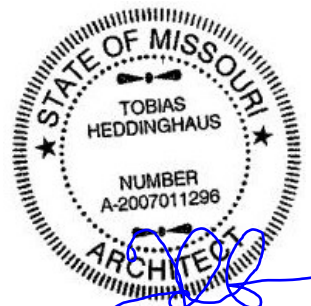
- MEASUREMENTS TAKEN @ GROUND LEVEL
- MOUNTING HEIGHT NOTED ON EACH FIXTURE



**1 TRASH ENCLOSURE PLAN**  
SCALE: 3/16" = 1'-0"



**2 TRASH ENCLOSURE GATE ELEVATION**  
SCALE: 3/16" = 1'-0"



**Chabad of Chesterfield**

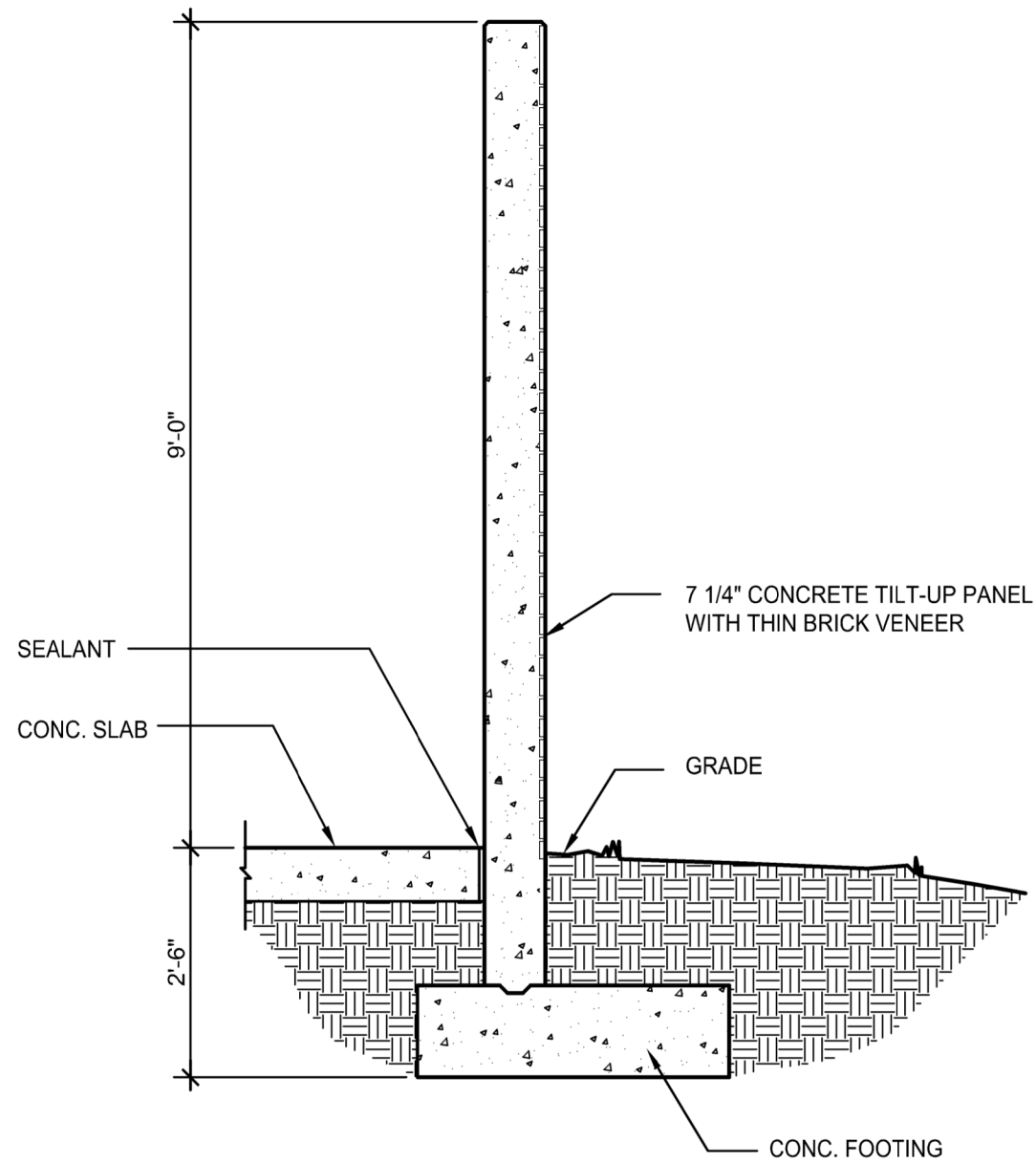
15310 Conway Road, Chesterfield, MO 63017

PLAN & ELEVATION

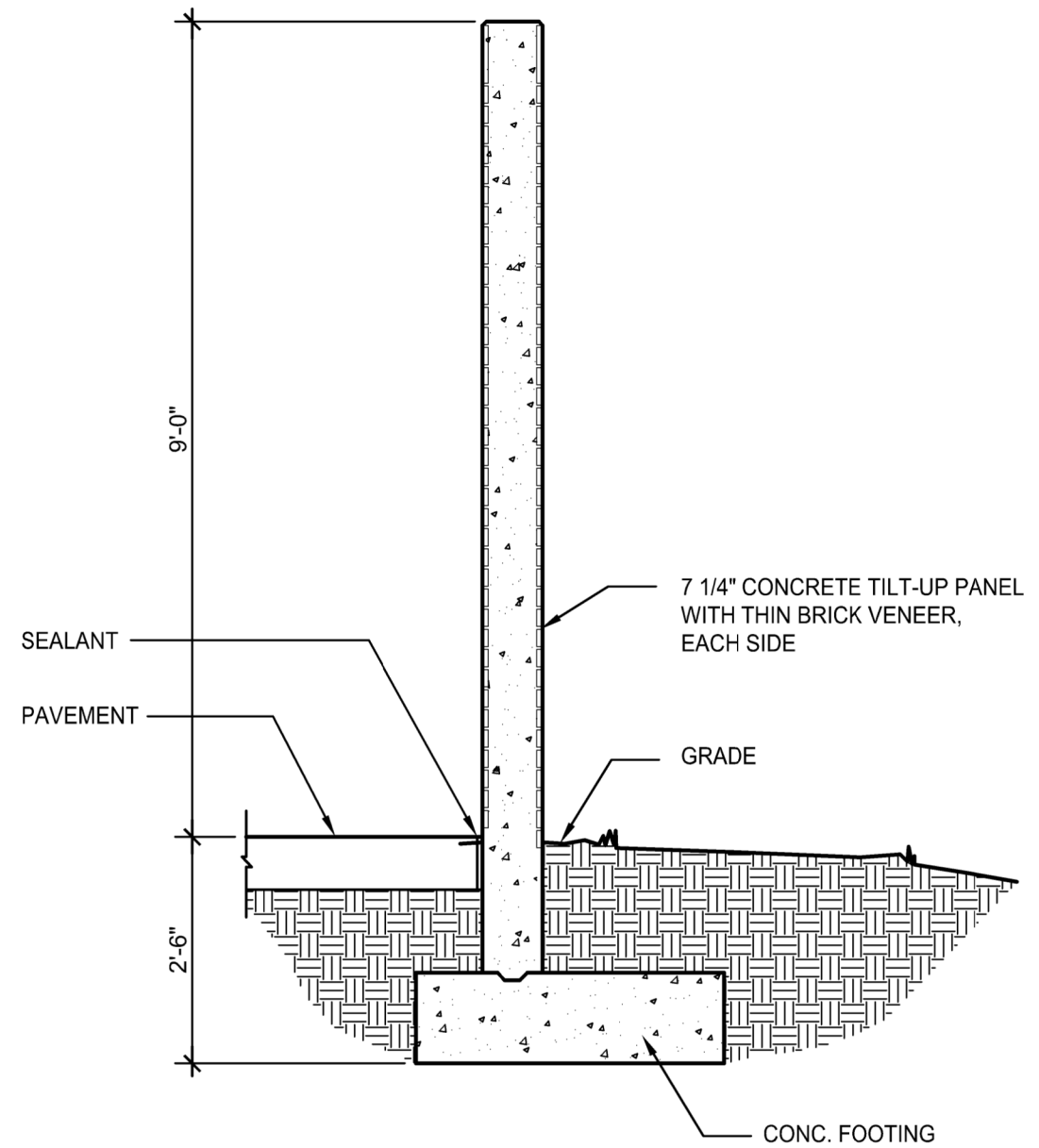
27121325.00

03.22.2022

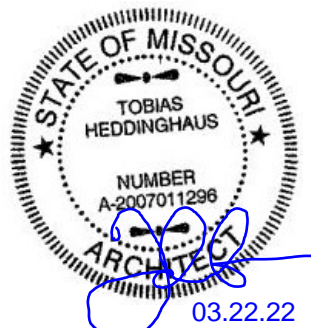




**3 TRASH ENCLOSURE SECTION**  
SCALE: 1/2" = 1'-0"



**4 SCREEN WALL SECTION**  
SCALE: 1/2" = 1'-0"



03.22.22

**Chabad of Chesterfield**

15310 Conway Road, Chesterfield, MO 63017

WALL SECTIONS

2712325.00

03.22.2022

**Conway**  
CONTRACTING INC.



**HOLT**  
ELECTRICAL SUPPLY

# CHABAD OF CHESTERFIELD

LIGHTING SUBMITTALS

3/22/2022





| Type     | Mfg. Name | Fixture Catalog Number / Description |
|----------|-----------|--------------------------------------|
| A        | LITHONIA  | RSX1 LED P4 40K R4 MVOLT SPA DDBXD   |
| A-POLE   | LITHONIA  | SSS 17 4C DM19AS DDBXD               |
| B        | LITHONIA  | WPX2 LED 40K MVOLT DDBXD M2          |
| WALLPACK | LITHONIA  | TWX3 LED ALO 40K MVOLT DDBTXD        |
| CYLINDER | KICHLER   | 11251AZT30                           |



# RSX1 LED Area Luminaire

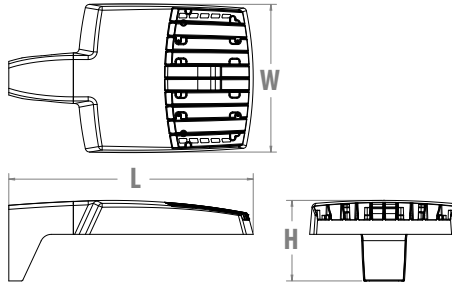


|                |
|----------------|
| Catalog Number |
| Notes          |
| Type           |

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)<br>(SPA mount)                |
| <b>Width:</b>                   | 13.3" (33.8 cm)                               |
| <b>Height:</b>                  | 3.0" (7.6 cm) Main Body<br>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

| Series   | Performance Package         | Color Temperature                          | Distribution   | Voltage   | Mounting   |
|----------|-----------------------------|--|--|---|--|
| RSX1 LED | P1<br>P2<br>P3<br><b>P4</b> | 30K 3000K<br><b>40K 4000K</b><br>50K 5000K | R2 Type 2 Wide<br>R3 Type 3 Wide<br>R3S Type 3 Short<br><b>R4 Type 4 Wide</b><br>R4S Type 4 Short<br>R5 Type 5 Wide <sup>1</sup><br>R5S Type 5 Short <sup>1</sup><br>AFR Automotive Front Row<br>AFRR90 Automotive Front Row Right Rotated<br>AFRL90 Automotive Front Row Left Rotated | <b>MVOLT (120V-277V)<sup>2</sup></b><br>HVOLT (347V-480V) <sup>3</sup><br>XVOLT (277V-480V) <sup>4</sup><br><b>(use specific voltage for options as noted)</b><br>120 <sup>3</sup> 277 <sup>5</sup><br>208 <sup>3</sup> 347 <sup>5</sup><br>240 <sup>3</sup> 480 <sup>5</sup> | <b>SPA Square pole mounting (3.0" min. SQ pole for 1 at 90°, 3.5" min. SQ pole for 2, 3, 4 at 90°)</b><br>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°)<br>MA Mast arm adaptor (fits 2-3/8" OD horizontal tenon)<br>IS Adjustable slipfitter (fits 2-3/8" OD tenon) <sup>6</sup><br>WBA Wall bracket <sup>1</sup><br>WBASC Wall bracket with surface conduit box<br>AASP Adjustable tilt arm square pole mounting <sup>6</sup><br>AARP Adjustable tilt arm round pole mounting <sup>6</sup><br>AAWB Adjustable tilt arm with wall bracket <sup>6</sup><br>AAWSC Adjustable tilt arm wall bracket and surface conduit box <sup>6</sup> |

| Options   | Finish  |
|---|---|
| <p><b>Shipped Installed</b></p> <p>HS House-side shield<sup>7</sup></p> <p>PE Photocontrol, button style<sup>8,9</sup></p> <p>PEX Photocontrol external threaded, adjustable<sup>9,10</sup></p> <p>PER7 Seven-wire twist-lock receptacle only (no controls)<sup>9,11,12,13</sup></p> <p>CE34 Conduit entry 3/4" NPT (Qty 2)</p> <p>SF Single fuse (120, 277, 347)<sup>5</sup></p> <p>DF Double fuse (208, 240, 480)<sup>5</sup></p> <p>SPD20KV 20KV Surge pack (10KV standard)</p> <p>FAO Field adjustable output<sup>9,13</sup></p> <p>DMG 0-10V dimming extend out back of housing for external control (control ordered separate)<sup>9,13</sup></p> | <p><b>Shipped Installed</b></p> <p><b>*Standalone and Networked Sensors/Controls (factory default settings, see table page 9)</b></p> <p>NLTAIR2 nLight AIR generation 2<sup>13,14,15</sup></p> <p>PIRHN Networked, Bi-Level motion/ambient sensor (for use with NLTAIR2)<sup>13,15,16</sup></p> <p>BAA Buy America(n) Act Compliant</p> <p><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></p> <p><b>Shipped Separately (requires some field assembly)</b></p> <p>EGS External glare shield<sup>7</sup></p> <p>EGFV External glare full visor (360° around light aperture)<sup>7</sup></p> <p>BS Bird spikes<sup>17</sup></p> |
|   | <p><b>DDBXD Dark Bronze</b></p> <p>DBLXD Black</p> <p>DNAXD Natural Aluminum</p> <p>DWHXD White</p> <p>DDBTXD Textured Dark Bronze</p> <p>DBLXD Textured Black</p> <p>DNATXD Textured Natural Aluminum</p> <p>DWHGXD Textured White</p>   |



## Ordering Information

### Accessories

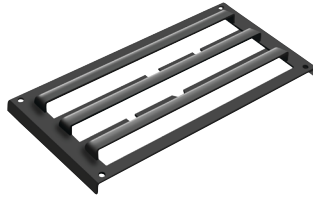
Ordered and shipped separately.

|                     |  |
|---------------------|--|
| RSX1HS              | RSX1 House side shield (includes 1 shield)                                   |
| RSX1HSAFRUR         | 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>                           |
| RSXSCB (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>18</sup>                           |
| DLL347F 1.5 CUL JU  | Photocell -SSL twist-lock (347V) <sup>18</sup>                               |
| DLL480F 1.5 CUL JU  | Photocell -SSL twist-lock (480V) <sup>18</sup>                               |
| DSHORT SBK U        | Shorting cap <sup>18</sup>   |

### NOTES

- Any Type 5 distribution, is not available with WBA.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- XVOLT driver not available with P1 or P2. XVOLT driver operates on any line voltage from 277V-480V (50/60 Hz). XVOLT not available with fusing (SF or DF) and not available with PE or PEX. Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Maximum tilt is 90° above horizontal.
- It may be ordered as an accessory.
- Requires MVOLT or 347V.
- Not available in combination with other light sensing control options (following options cannot be combined: PE, PEX, PER7, FAO, DMG, PIRHN).
- Requires 120V, 208V, 240V or 277V.
- 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.
- For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
- Two or more of the following options cannot be combined including DMG, PER7, FAO and PIRHN.
- Must be ordered with PIRHN.
- Requires MVOLT or HVOLT.
- Must be ordered with NLTAIR2. For additional information on PIRHN visit [here](#).
- Must be ordered with fixture for factory pre-drilling.
- Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

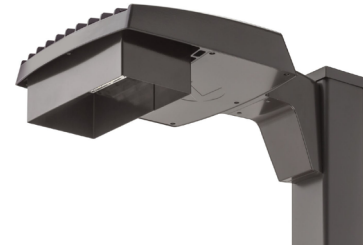
## External Shields



House Side Shield



External Glare Shield

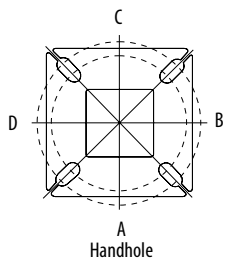


External 360 Full Visor

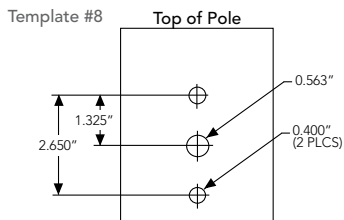
## Pole/Mounting Information

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](#).

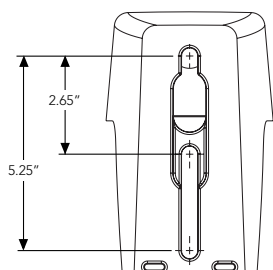
### HANDHOLE ORIENTATION



### 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

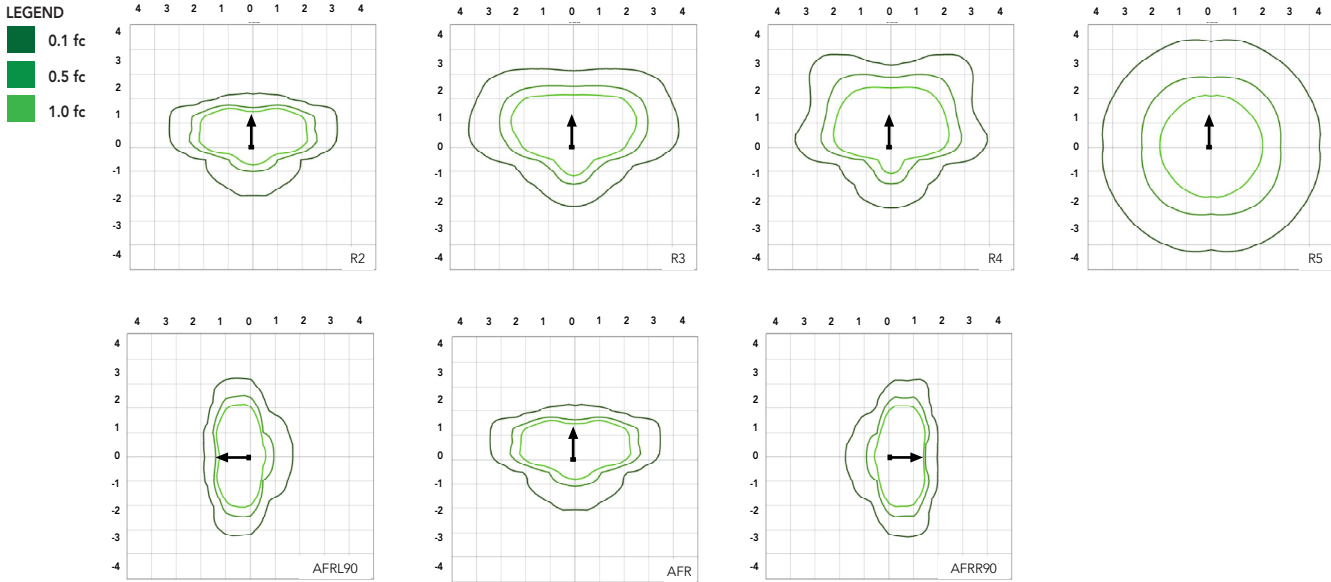
\*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

| 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 |
|---|--------|--------|---------|--------|---------|--------|----------------|----------------|----------------|
| SPA - Square Pole Adaptor   | 0.57   | 1.03   | 1.05    | 1.52   | 1.36    | 2.03   | 1.31           | 1.7            | 2.26           |
| RPA - Round Pole Adaptor  | 0.62   | 1.08   | 1.15    | 1.62   | 1.46    | 2.13   | 1.36           | 1.8            | 2.36           |
| MA - Mast Arm Adaptor   | 0.49   | 0.95   | 0.89    | 1.36   | 1.2     | 1.87   | 1.23           | 1.54           | 2.1            |
| IS - Integral Slipfitter<br>AASP/AARP - Adjustable Arm<br>Square/Round Pole | 0°     | 0.57   | 1.03    | 1.05   | 1.52    | 1.36   | 2.03           | 1.31           | 2.26           |
|   | 10°    | 0.68   | 1.34    | 1.33   | 2       | 1.74   | 2.64           | 1.35           | 2.03           |
|   | 20°    | 0.87   | 1.71    | 1.73   | 2.56    | 2.26   | 3.42           | 1.75           | 2.62           |
|   | 30°    | 1.24   | 2.19    | 2.3    | 3.21    | 2.87   | 4.36           | 2.49           | 3.73           |
|   | 40°    | 1.81   | 2.68    | 2.98   | 3.85    | 3.68   | 5.30           | 3.62           | 5.43           |
|   | 45°    | 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.

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.

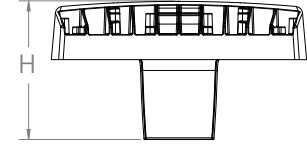
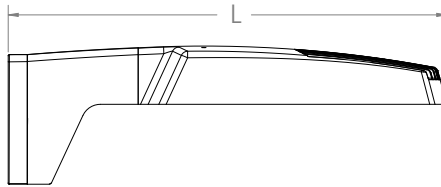
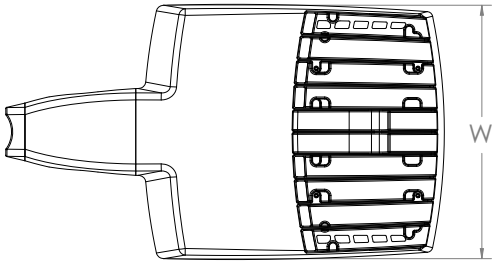
| Performance Package | System Watts | Distribution Type | 30K (3000K, 70 CRI) |   |   |   |     | 40K (4000K, 70 CRI) |   |   |   |     | 50K (5000K, 70 CRI) |   |   |   |     |
|---------------------|--------------|-------------------|---------------------|---|---|---|-----|---------------------|---|---|---|-----|---------------------|---|---|---|-----|
|                     |              |                   | 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)

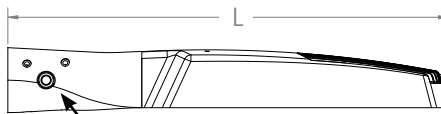
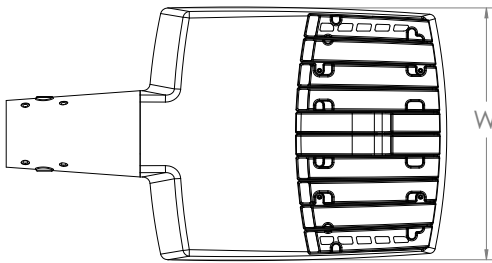


Note: RPA — Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.



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

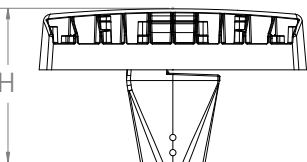
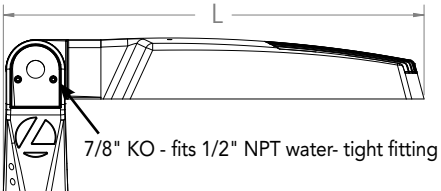
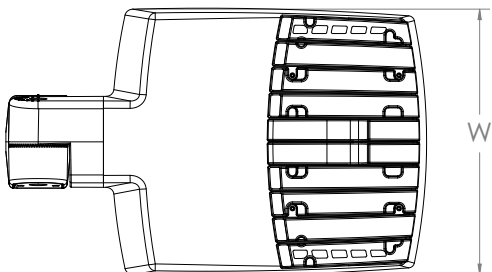
#### RSX1 with Mast Arm Adapter (MA)



7/16" locking thru bolt/nut provided

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

#### RSX1 with Adjustable Slipfitter (IS)



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

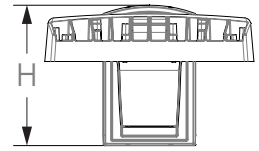
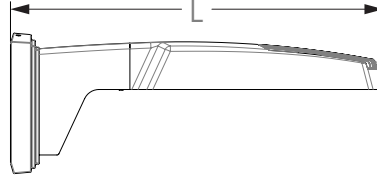
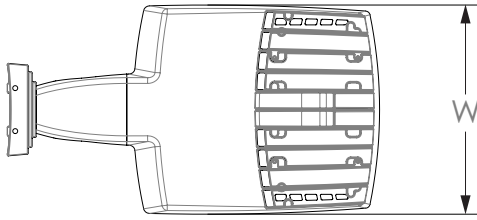
Length: 20.7" (52.7 cm)  
 Width: 13.3" (33.8 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 7.6" (19.3 cm) Arm



COMMERCIAL OUTDOOR

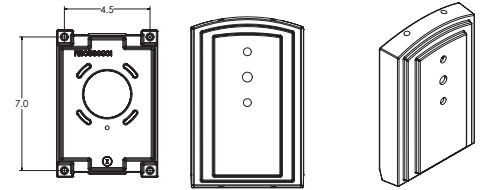
## Dimensions

### RSX1 with Wall Bracket (WBA)

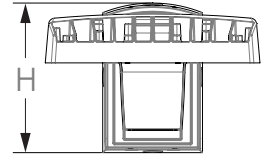
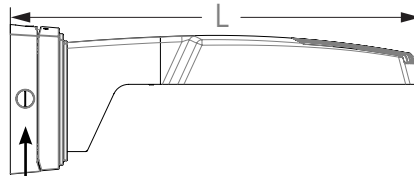
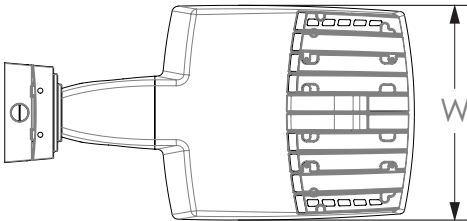


Length: 23.6" (59.9 cm)  
 Width: 13.3" (33.8 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 8.9" (22.6 cm) Arm

#### Wall Bracket (WBA) Mounting Detail



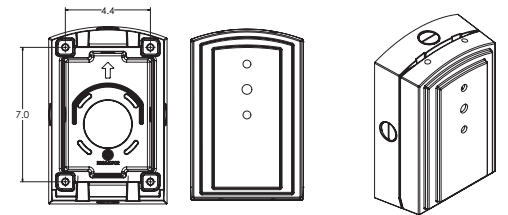
### RSX1 with Wall Bracket with Surface Conduit Box (WBASC)



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

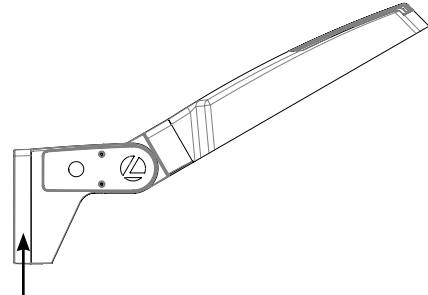
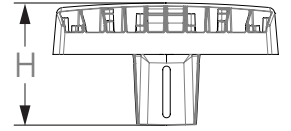
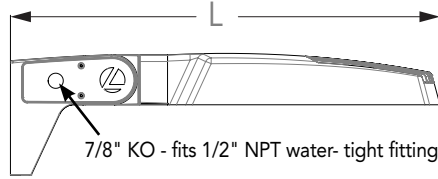
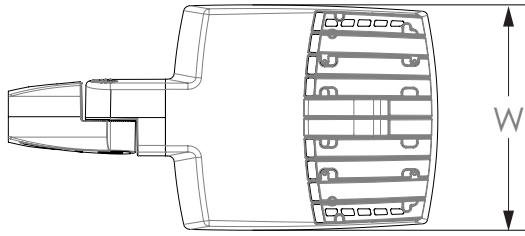
Length: 25.3" (64.3 cm)  
 Width: 13.3" (33.8 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 9.2" (23.4 cm) Arm

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



## Dimensions

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



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



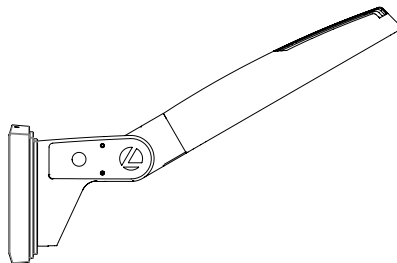
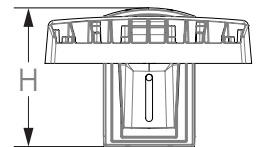
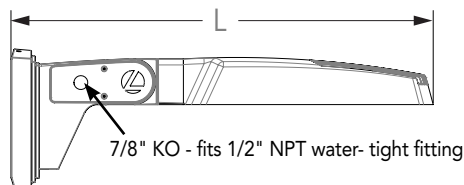
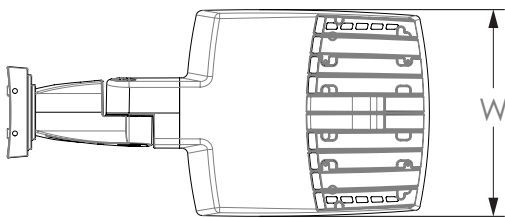
Length: 25.3" (65.3 cm) **AASP**  
26.3" (66.8 cm) **AARP**  
Width: 13.3" (33.8 cm)  
Height: 3.0" (7.6 cm) Main Body  
7.2" (18.2 cm) Arm

#### Notes

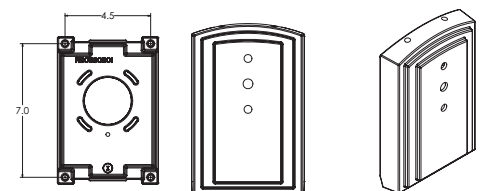
AASP: Requires 3.0" min. square pole for 1 at 90°. Requires 3.5" min. square pole for mounting 2, 3, 4 at 90°.

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)



#### Wall Bracket (WBA) Mounting Detail

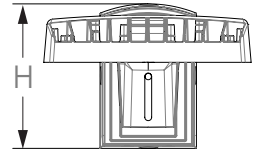
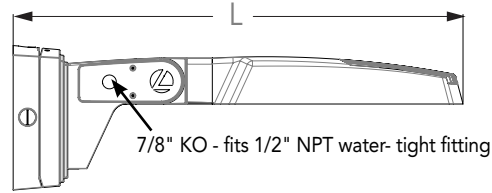
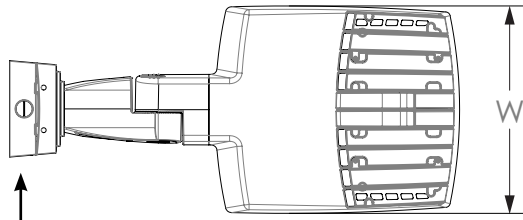


Length: 27.1" (68.8 cm)  
Width: 13.3" (33.8 cm)  
Height: 3.0" (7.6 cm) Main Body  
8.9" (22.6 cm) Arm

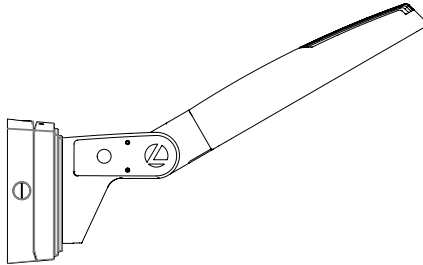


## Dimensions

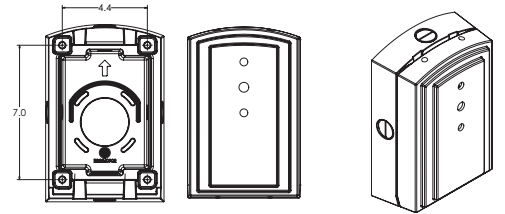
### RSX1 with Adjustable Tilt Arm with Wall Bracket and Surface Conduit Box (AAWSC)



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

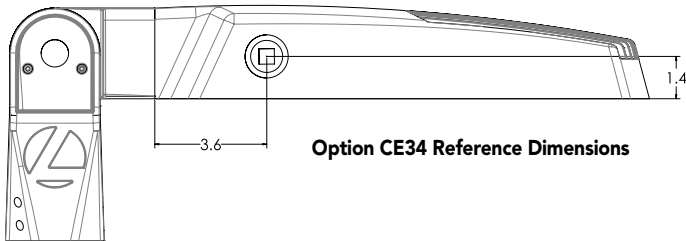


### Surface Conduit Box (SCB) Mounting Detail



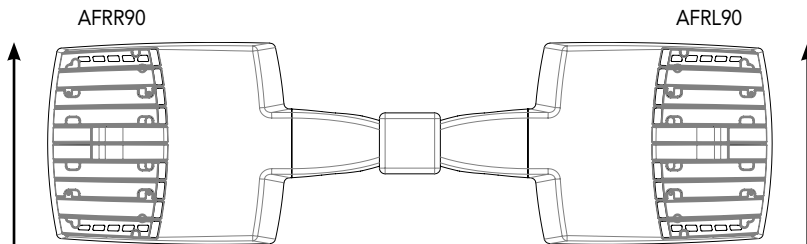
Length: 28.8" (73.2 cm)  
 Width: 13.3" (33.8 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 9.2" (23.4 cm) Arm

### Additional Reference Drawings



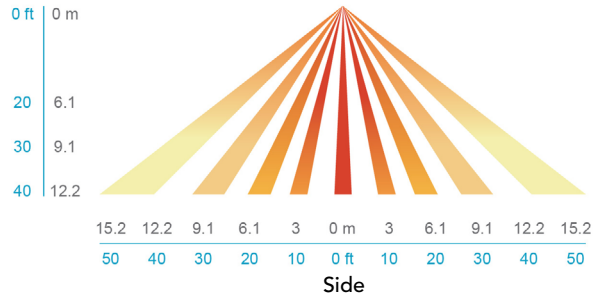
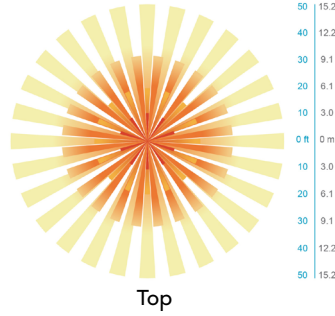
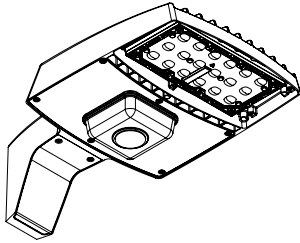
Option CE34 Reference Dimensions

### Automotive Front Row - Rotated Optics (AFRR90/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 luminaire 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 AAWSC 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 warrantied 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. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only. U.S. Patent No. D882, 1465

### BUY AMERICAN

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

### WARRANTY

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

[www.acuitybrands.com/support/warranty/terms-and-conditions](http://www.acuitybrands.com/support/warranty/terms-and-conditions)

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



## FEATURES & SPECIFICATIONS

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

**CONSTRUCTION** —

**Pole Shaft:** The pole shaft is of uniform dimension and wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 55 KSI (11-gauge, .1196"), or 50 KSI (7-gauge, .1793"). Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4", 5" and 6".

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

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

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

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

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

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

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

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

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

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

|                |
|----------------|
| Catalog Number |
| Notes          |
| Type           |



**Anchor Base Poles**

**SSS**

**SQUARE STRAIGHT STEEL**



# SSS Square Straight Steel Poles

## ORDERING INFORMATION

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

**Example:** SSS 20 5C DM19 DDBXD

| SSS              |   |  |  |  |  |   |
|------------------|---|--|--|--|--|---|
| Series           | Nominal fixture mounting height   | Nominal shaft base size/wall thickness <sup>2</sup>  | Mounting <sup>3</sup>  |  | Options  | Finish <sup>13</sup>  |
| SSS <sup>1</sup> | 10'-39'<br>(for 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.)<br><br>See technical information table for complete ordering information.) | 4C 4" 11g (.1196")<br>4G 4" 7g (.1793")<br>5C 5" 11g (.1196")<br>5G 5" 7g (.1793")<br>6G 6" 7g (.1793")<br><br>See technical information table for complete ordering information.) | Tenon mounting<br>PT Open top (includes top cap)<br>T20 2-3/8" O.D. (2" NPS)<br>T25 2-7/8" O.D. (2-1/2" NPS)<br>T30 3-1/2" O.D. (3" NPS)<br>T35 4" O.D. (3-1/2" NPS)<br>KAC/KAD/KSE/KSF/KVR/KVF<br>Drill mounting <sup>4</sup><br>DM19 1 at 90°<br>DM28 2 at 180°<br>DM28 PL 2 at 180° with one side plugged<br>DM29 2 at 90°<br>DM39 3 at 90°<br>DM49 4 at 90°<br>CSX/DSX/RSX/AERIS™/OMERO™/HLA/KAX Drill mounting <sup>4</sup><br>DM19AS 1 at 90°<br>DM28AS 2 at 180°<br>DM29AS 2 at 90°<br>DM39AS 3 at 90°<br>DM49AS 4 at 90°<br>RAD drill mounting <sup>4</sup><br>DM19RAD 1 at 90°<br>DM28RAD 2 at 180°<br>DM29RAD 2 at 90°<br>DM39RAD 3 at 90°<br>DM49RAD 4 at 90°<br>ESX Drill mounting <sup>4</sup><br>DM19ESX 1 at 90°<br>DM28ESX 2 at 180°<br>DM29ESX 2 at 90°<br>DM39ESX 3 at 90°<br>DM49ESX 4 at 90° | AERIS™ Suspend drill mounting <sup>4,5</sup><br>DM19AST_ 1 at 90°<br>DM28AST_ 2 at 180°<br>DM29AST_ 2 at 90°<br>DM39AST_ 3 at 90°<br>DM49AST_ 4 at 90°<br>OMERO™ Suspend drill mounting <sup>4,5</sup><br>DM19MRT_ 1 at 90°<br>DM28MRT_ 2 at 180°<br>DM29MRT_ 2 at 90°<br>DM39MRT_ 3 at 90°<br>DM49MRT_ 4 at 90° | Shipped installed<br>VD Vibration damper <sup>6</sup><br>HAxy Horizontal arm bracket (1 fixture) <sup>7,8</sup><br>FDLxy Festoon outlet less electrical <sup>7,9</sup><br>CPL12/xy 1/2" coupling <sup>7</sup><br>CPL34/xy 3/4" coupling <sup>7</sup><br>CPL1/xy 1" coupling <sup>7</sup><br>NPL12/xy 1/2" threaded nipple <sup>7</sup><br>NPL34/xy 3/4" threaded nipple <sup>7</sup><br>NPL1/xy 1" threaded nipple <sup>7</sup><br>EHHxy Extra handhole <sup>7,10</sup><br>NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled)<br>IC Interior coating <sup>11</sup><br><br>L/AB Less anchor bolts (Include when anchor bolts are not needed)<br>TP Tamper resistant handhole cover fasteners<br>UL UL listed with label (Includes NEC compliant cover)<br>BAA Buy America(n) Act Compliant <sup>12</sup> | Super durable paint colors<br>DDBXD Dark bronze<br>DBLXD Black<br>DNAXD Natural aluminum<br>DWHXD White<br>DDBTXD Textured dark bronze<br>DBLBXD Textured black<br>DNATXD Textured natural aluminum<br>DWHGXD Textured white<br>Other finishes<br>GALV Galvanized finish<br>Architectural colors and special finishes<br>Paint over Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes available. |

### NOTES:

- Handhole covers (HHC), full base covers (FBC) and top caps (TC) shipped separately. No need to call out in nomenclature. For additional parts please order as replacements.
- Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.1196" | "G" - 0.1793".
- PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination includes a required extra handhole.
- Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
- Insert "1" or "2" to designate fixture size; e.g. DM19AS2.
- On 4" and 5" poles, VD cannot be installed if provisions (EHH, FDL, NPL, CPL) are located higher than 2/3 of the pole's total height.  
Example: Pole height is 25ft, A provision cannot be placed above 16ft.
- Specify location and orientation when ordering option.  
For "x": Specify the height above the base of pole in feet or feet and inches; separate feet and inches with a "-".  
Example: 5ft = 5 and 20ft 3in = 20-3  
For "y": Specify orientation from handhole (A,B,C,D) Refer to the Handhole Orientation diagram below.  
Example: 1/2" coupling at 5' 8", orientation C = CPL12/5-8C
- Horizontal arm is 18" x 2-3/8" O.D. tenon standard, with radius curve providing 12" rise and 2-3/8" O.D. If ordering two horizontal arm at the same height, specify with HAxy. Example: HA20BD.
- FDL does not come with GFCL outlet or handhole cover. These must be supplied by contractor or electrician.
- Combination of tenon-top and drill mount includes extra handhole. EHH includes cover.
- Provides enhanced corrosion resistance.
- Use when mill certifications are required.
- Finish must be specified. Additional colors available; see Architectural Colors brochure linked [here](#) (Form No. 794.3).

**Accessories:** Order as separate catalog number.

- PL DT20 Plugs for ESX drillings
- PL DT8 Plugs for DMxxAS drillings

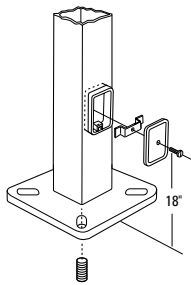
# SSS Square Straight Steel Poles

## TECHNICAL INFORMATION — EPA (ft<sup>2</sup>) with 1.3 gust

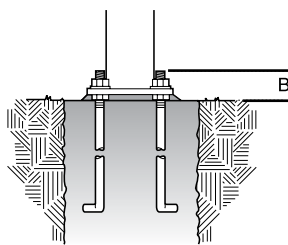
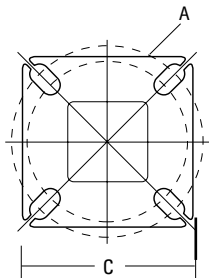
| Catalog Number | Nominal Shaft Length (ft.)* | Pole Shaft Size (Base in. x Top in. x ft.) | Wall thick (in) | Gauge | EPA (ft <sup>2</sup> ) with 1.3 gust |             |        |             |         |             | Bolt circle (in) | Bolt size (in. x in. x in.) | Approximate ship weight (lbs.) |
|----------------|-----------------------------|--|-----------------|-------|--------------------------------------|-------------|--------|-------------|---------|-------------|------------------|-----------------------------|--------------------------------|
|                |                             |  |                 |       | 80 MPH                               | Max. weight | 90 MPH | Max. weight | 100 MPH | Max. weight |                  |                             |                                |
| SSS 10 4C      | 10                          | 4.0 x 10.0                                 | 0.1196          | 11    | 30.6                                 | 765         | 23.8   | 595         | 18.9    | 473         | 8--9             | 3/4 x 18 x 3                | 75                             |
| SSS 12 4C      | 12                          | 4.0 x 12.0                                 | 0.1196          | 11    | 24.4                                 | 610         | 18.8   | 470         | 14.8    | 370         | 8--9             | 3/4 x 18 x 3                | 90                             |
| SSS 14 4C      | 14                          | 4.0 x 14.0                                 | 0.1196          | 11    | 19.9                                 | 498         | 15.1   | 378         | 11.7    | 293         | 8--9             | 3/4 x 18 x 3                | 100                            |
| SSS 16 4C      | 16                          | 4.0 x 16.0                                 | 0.1196          | 11    | 15.9                                 | 398         | 11.8   | 295         | 8.9     | 223         | 8--9             | 3/4 x 18 x 3                | 115                            |
| SSS 18 4C      | 18                          | 4.0 x 18.0                                 | 0.1196          | 11    | 12.6                                 | 315         | 9.2    | 230         | 6.7     | 168         | 8--9             | 3/4 x 18 x 3                | 125                            |
| SSS 20 4C      | 20                          | 4.0 x 20.0                                 | 0.1196          | 11    | 9.6                                  | 240         | 6.7    | 167         | 4.5     | 150         | 8--9             | 3/4 x 18 x 3                | 140                            |
| SSS 20 4G      | 20                          | 4.0 x 20.0                                 | 0.1793          | 7     | 14                                   | 350         | 11     | 275         | 8       | 200         | 8--9             | 3/4 x 30 x 3                | 198                            |
| SSS 20 5C      | 20                          | 5.0 x 20.0                                 | 0.1196          | 11    | 17.7                                 | 443         | 12.7   | 343         | 9.4     | 235         | 10--12           | 1 x 36 x 4                  | 185                            |
| SSS 20 5G      | 20                          | 5.0 x 20.0                                 | 0.1793          | 7     | 28.1                                 | 703         | 21.4   | 535         | 16.2    | 405         | 10--12           | 1 x 36 x 4                  | 265                            |
| SSS 25 4C      | 25                          | 4.0 x 25.0                                 | 0.1196          | 11    | 4.8                                  | 150         | 2.6    | 100         | 1       | 50          | 8--9             | 3/4 x 18 x 3                | 170                            |
| SSS 25 4G      | 25                          | 4.0 x 25.0                                 | 0.1793          | 7     | 10.8                                 | 270         | 7.7    | 188         | 5.4     | 135         | 8--9             | 3/4 x 30 x 3                | 245                            |
| SSS 25 5C      | 25                          | 5.0 x 25.0                                 | 0.1196          | 11    | 9.8                                  | 245         | 6.3    | 157         | 3.7     | 150         | 10--12           | 1 x 36 x 4                  | 225                            |
| SSS 25 5G      | 25                          | 5.0 x 25.0                                 | 0.1793          | 7     | 18.5                                 | 463         | 13.3   | 333         | 9.5     | 238         | 10--12           | 1 x 36 x 4                  | 360                            |
| SSS 30 4G      | 30                          | 4.0 x 30.0                                 | 0.1793          | 7     | 6.7                                  | 168         | 4.4    | 110         | 2.6     | 65          | 8--9             | 3/4 x 30 x 3                | 295                            |
| SSS 30 5C      | 30                          | 5.0 x 30.0                                 | 0.1196          | 11    | 4.7                                  | 150         | 2      | 50          | --      | --          | 10--12           | 1 x 36 x 4                  | 265                            |
| SSS 30 5G      | 30                          | 5.0 x 30.0                                 | 0.1793          | 7     | 10.7                                 | 267         | 6.7    | 167         | 3.9     | 100         | 10--12           | 1 x 36 x 4                  | 380                            |
| SSS 30 6G      | 30                          | 6.0 x 30.0                                 | 0.1793          | 7     | 19                                   | 475         | 13.2   | 330         | 9       | 225         | 11--13           | 1 x 36 x 4                  | 520                            |
| SSS 35 5G      | 35                          | 5.0 x 35.0                                 | 0.1793          | 7     | 5.9                                  | 150         | 2.5    | 100         | --      | --          | 10--12           | 1 x 36 x 4                  | 440                            |
| SSS 35 6G      | 35                          | 6.0 x 35.0                                 | 0.1793          | 7     | 12.4                                 | 310         | 7.6    | 190         | 4.2     | 105         | 11--13           | 1 x 36 x 4                  | 540                            |
| SSS 39 6G      | 39                          | 6.0 x 39.0                                 | 0.1793          | 7     | 7.2                                  | 180         | 3      | 75          | --      | --          | 11--13           | 1 x 36 x 4                  | 605                            |

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

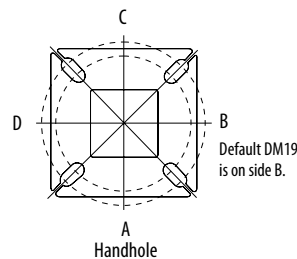
### BASE DETAIL



| POLE DATA       |               |                   |                 |                      |                      |                         |                                 |                         |
|-----------------|---------------|-------------------|-----------------|----------------------|----------------------|-------------------------|---------------------------------|-------------------------|
| Shaft base size | Bolt circle A | Bolt projection B | Base diameter C | Base plate thickness | Template description | Anchor bolt description | Anchor bolt and template number | Anchor bolt description |
| 4"C             | 8" - 9"       | 3.25" - 3.75"     | 8" - 8.25"      | 0.75"                | ABTEMPLATE PJ50004   | AB18-0                  | ABSSS-4C                        | 3/4"x18"x3"             |
| 4"G             | 8" - 9"       | 3.38" - 3.75"     | 8" - 8.25"      | 0.875"               | ABTEMPLATE PJ50004   | AB30-0                  | ABSSS-4G                        | 3/4"x30"x3"             |
| 5"              | 10" - 12"     | 3.5" - 4"         | 11"             | 1"                   | ABTEMPLATE PJ50010   | AB36-0                  | ABSSS-5                         | 1"x36"x4"               |
| 6"              | 11" - 13"     | 4" - 4.50"        | 12.5"           | 1"                   | ABTEMPLATE PJ50011   | AB36-0                  | N/A                             | 1"x36"x4"               |



### HANDHOLE ORIENTATION



### IMPORTANT INSTALLATION NOTES:

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

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



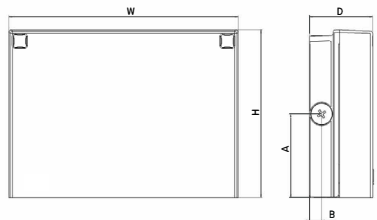
# WPX LED Wall Packs



|                |
|----------------|
| Catalog Number |
| Notes          |
| Type           |

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

## Specifications



Front View

Side View

| Luminaire | Height (H)     | Width (W)       | Depth (D)      | Side Conduit Location |               | Weight           |
|-----------|----------------|-----------------|----------------|-----------------------|---------------|------------------|
|           |                |                 |                | A                     | B             |                  |
| WPX1      | 8.1" (20.6 cm) | 11.1" (28.3 cm) | 3.2" (8.1 cm)  | 4.0" (10.3 cm)        | 0.6" (1.6 cm) | 6.1 lbs (2.8kg)  |
| WPX2      | 9.1" (23.1 cm) | 12.3" (31.1 cm) | 4.1" (10.5 cm) | 4.5" (11.5 cm)        | 0.7" (1.7 cm) | 8.2 lbs (3.7kg)  |
| WPX3      | 9.5" (24.1 cm) | 13.0" (33.0 cm) | 5.5" (13.7 cm) | 4.7" (12.0 cm)        | 0.7" (1.7 cm) | 11.0 lbs (5.0kg) |

## Introduction

The WPX LED wall packs are energy-efficient, cost-effective, and aesthetically appealing solutions for both HID wall pack replacement and new construction opportunities. Available in three sizes, the WPX family delivers 1,550 to 9,200 lumens with a wide, uniform distribution.

The WPX full cut-off solutions fully cover the footprint of the HID glass wall packs that they replace, providing a neat installation and an upgraded appearance. Reliable IP66 construction and excellent LED lumen maintenance ensure a long service life. Photocell and emergency egress battery options make WPX ideal for every wall mounted lighting application.

## Ordering Information

EXAMPLE: WPX2 LED 40K MVOLT DDBXD

| Series      | Color Temperature | Voltage               | Options   | Finish                                     |
|-------------|-------------------|-----------------------|---|--|
| WPX1 LED P1 | 30K 3000K         | MVOLT 120V - 277V     | (blank) None  | DDBXD Dark bronze                          |
| WPX1 LED P2 | 40K 4000K         | 347 347V <sup>3</sup> | E4WH Emergency battery backup, CEC compliant (4W, 0°C min) <sup>2</sup>     | DWHXD White                                |
| WPX2 LED    | 50K 5000K         |                       | E14WC Emergency battery backup, CEC compliant (14W, -20°C min) <sup>2</sup> | DBLXD Black                                |
| WPX3 LED    |                   |                       | PE Photocell <sup>3</sup>   | Note : For other options, consult factory. |

Note: The lumen output and input power shown in the ordering tree are average representations of all configuration options. Specific values are available on request.

### NOTES

- All WPX wall packs come with 6kV surge protection standard, except WPX1 LED P1 package which comes with 2.5kV surge protection standard. Add SPD6KV option to get WPX1 LED P1 with 6kV surge protection. Sample nomenclature: WPX1 LED P1 40K MVOLT SPD6KV DDBXD
- Battery pack options only available on WPX1 and WPX2.
- Battery pack options not available with 347V and PE options.

## FEATURES & SPECIFICATIONS

### INTENDED USE

The WPX LED wall packs are designed to provide a cost-effective, energy-efficient solution for the one-for-one replacement of existing HID wall packs. The WPX1, WPX2 and WPX3 are ideal for replacing up to 150W, 250W, and 400W HID luminaires respectively. WPX luminaires deliver a uniform, wide distribution. WPX is rated for -40°C to 40°C.

### CONSTRUCTION

WPX feature a die-cast aluminum main body with optimal thermal management that both enhances LED efficacy and extends component life. The luminaires are IP66 rated, and sealed against moisture or environmental contaminants.

### ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs and LED lumen maintenance of L90/100,000 hours. Color temperature (CCT) options of 3000K, 4000K and 5000K with minimum CRI of 70. Electronic drivers ensure system power factor >90% and THD <20%. All luminaires have 6kV surge protection (Note: WPX1 LED P1 package comes with a standard surge protection rating of 2.5kV. It can be ordered with an optional 6kV surge protection). All photocell (PE) operate on MVOLT (120V - 277V) input.

Note: The standard WPX LED wall pack luminaires come with field-adjustable drive current feature. This feature allows tuning the output current of the LED drivers to adjust the lumen output (to dim the luminaire).

### INSTALLATION

WPX can be mounted directly over a standard electrical junction box. Three 1/2 inch conduit ports on three sides allow for surface conduit wiring. A port on the back surface allows poke-through conduit wiring on surfaces that don't have an electrical junction box. Wiring can be made in the integral wiring compartment in all cases. WPX is only recommended for installations with LEDs facing downwards.

### LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. IP66 Rated. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified. International Dark Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

### WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx).

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



## Performance Data

### Electrical Load

| Luminaire   | Input Power (W) | 120V | 208V | 240V | 277V | 347V |
|-------------|-----------------|------|------|------|------|------|
| WPX1 LED P1 | 11W             | 0.09 | 0.05 | 0.05 | 0.04 | 0.03 |
| WPX1 LED P2 | 24W             | 0.20 | 0.12 | 0.10 | 0.09 | 0.07 |
| WPX2        | 47W             | 0.39 | 0.23 | 0.20 | 0.17 | 0.14 |
| WPX3        | 69W             | 0.58 | 0.33 | 0.29 | 0.25 | 0.20 |

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections in a 25°C ambient, based on 6,000 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          | 50,000 | 75,000 | 100,000 |
|--------------------------|--------|--------|---------|
| Lumen Maintenance Factor | >0.94  | >0.92  | >0.90   |

### Lumen Output

| Luminaire   | Color Temperature | Lumen Output |
|-------------|-------------------|--------------|
| WPX1 LED P1 | 3000K             | 1,537        |
|             | 4000K             | 1,568        |
|             | 5000K             | 1,602        |
| WPX1 LED P2 | 3000K             | 2,748        |
|             | 4000K             | 2,912        |
|             | 5000K             | 2,954        |
| WPX2        | 3000K             | 5,719        |
|             | 4000K             | 5,896        |
|             | 5000K             | 6,201        |
| WPX3        | 3000K             | 8,984        |
|             | 4000K             | 9,269        |
|             | 5000K             | 9,393        |

### 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             |

### HID Replacement Guide

| Luminaire   | Equivalent HID Lamp | WPX Input Power |
|-------------|---------------------|-----------------|
| WPX1 LED P1 | 100W                | 11W             |
| WPX1 LED P2 | 150W                | 24W             |
| WPX2        | 250W                | 47W             |
| WPX3        | 400W                | 69W             |

### Emergency Egress Battery Packs

The emergency battery backup is integral to the luminaire — no external housing or back box is required. The emergency battery will power the luminaire for a minimum duration of 90 minutes and deliver minimum initial output of 550 lumens. Both battery pack options are CEC compliant.

| Battery Type | Minimum Temperature Rating | Power (Watts) | Controls Option | Ordering Example                      |
|--------------|----------------------------|---------------|-----------------|---------------------------------------|
| Standard     | 0°C                        | 4W            | E4WH            | WPX2 LED 40K MVOLT <b>E4WH</b> DDBXD  |
| Cold Weather | -20°C                      | 14W           | E14WC           | WPX2 LED 40K MVOLT <b>E14WC</b> DDBXD |

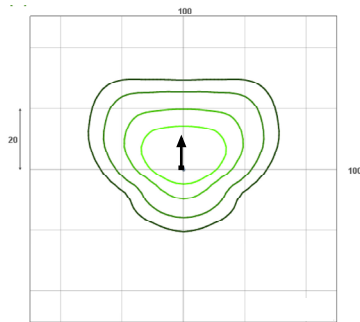
## Photometric Diagrams

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

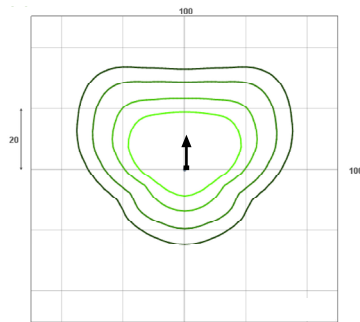
#### LEGEND

|  |        |
|--|--------|
| <span style="display:inline-block; width:10px; height:10px; background-color:#004a99;"></span> | 0.1 fc |
| <span style="display:inline-block; width:10px; height:10px; background-color:#0070c0;"></span> | 0.2 fc |
| <span style="display:inline-block; width:10px; height:10px; background-color:#0096d6;"></span> | 0.5 fc |
| <span style="display:inline-block; width:10px; height:10px; background-color:#99ccff;"></span> | 1.0 fc |

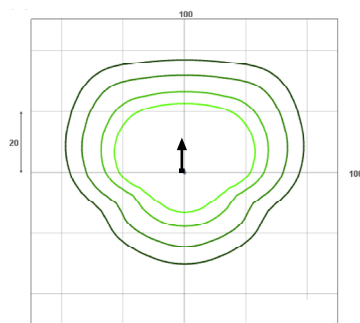
WPX1 LED P1



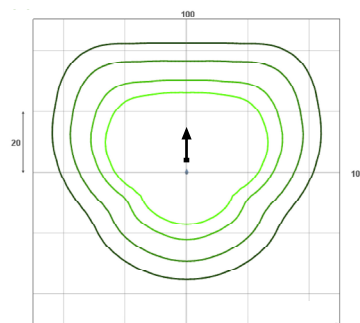
WPX1 LED P2



WPX2 LED



WPX3 LED



Mounting Height = 12 Feet.



# TWX3 LED

## LED Wall Luminaire



|                |
|----------------|
| Catalog Number |
| Notes          |
| Type           |

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

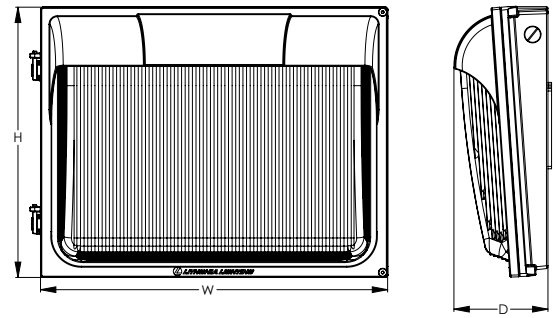
### Introduction

TWX LED wall pack family, a ground-up design that has the low initial cost customers demand while providing superior performance and a traditional form. The TWX3 LED is energy efficient, saving up to 84% in energy costs when replacing a metal halide luminaire. Offering an expected service life of more than 20 years, the TWX3 LED eliminates frequent lamp and ballast replacements associated with traditional technologies.

The Adjustable Light Output (ALO) feature allows the contractor to set the light output during installation, to a level perfectly suited for the job site. The TWX3 LED ALO luminaires can replace anything from a 100W to 400W metal halide luminaire.

### Specifications

- Depth:** 5.0"
- Height:** 14.0"
- Width:** 18.0"
- Weight:** 21 lbs (without options)



### TWX LED Family Overview

| Luminaire | Voltage                      | Photocell | Lumens (4000K) |        |        |        |
|-----------|------------------------------|-----------|----------------|--------|--------|--------|
|           |                              |           | P1             | P2     | P3     | P4     |
| TWX1 LED  | MVOLT (120-277V)             | YES       | 1,600          | 2,950  | --     | --     |
| TWX2 LED  | MVOLT (120-277V), 347V, 480V | YES       | 3,250          | 4,400  | 5,250  | 6,850  |
| TWX3 LED  | MVOLT (120-277V), 347V       | YES       | 8,800          | 10,650 | 12,900 | 13,850 |

### Ordering Information

**EXAMPLE: TWX3 LED ALO 40K MVOLT DBBXD**

| Series   | Package                   | Color Temperature | Voltage                | Options                   | Finish                           |
|----------|---------------------------|-------------------|------------------------|---------------------------|----------------------------------|
| TWX3 LED | P1 8,800 lumens           | 30K 3000K         | MVOLT (120-277V)       | PE Photocell, Button Type | DBBXD Dark bronze                |
|          | P2 10,650 lumens          | 40K 4000K         |                        |                           | DBLBXD Textured dark bronze      |
|          | P3 12,900 lumens          | 50K 5000K         | DBLXD Black            |                           | DBLBXD Textured black            |
|          | P4 13,850 lumens          |                   | DWHXD White            |                           | DWHGXD Textured White            |
|          | ALO 2,900 - 13,850 lumens |                   | DNAXD Natural aluminum |                           | DNATXD Textured natural aluminum |

### FEATURES & SPECIFICATIONS

#### INTENDED USE

The TWX3 LED is an energy-efficient, low maintenance LED wall pack for replacing up to a 400W MH fixture, providing the same footprint on the wall. TWX3 is ideal for higher mounting height applications such as industrial buildings, warehouses and schools.

#### CONSTRUCTION

Two-piece die-cast aluminum housing to optimize thermal management through conductive and convective cooling. The door is hinged on the side and can be removed for easy installation. The housing is completely sealed against moisture and environmental contaminants (IP65) and is suitable for the hose-down applications.

#### 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.

#### OPTICS

The advanced optical design uses both reflector and refractor technologies that work together to create superior illumination and further throw, getting the light where it is needed. The US-made borosilicate glass refractor is specifically designed to maximize light extraction and create a fully luminous luminaire for a better nighttime look.

#### ELECTRICAL

Light engine consists of high-efficacy LEDs mounted to housing to maximize heat dissipation and promote long-life (up to L81/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%.

#### INSTALLATION

Designed for wall mounting above four feet from the ground. Housing is configured for mounting directly over a standard junction box (by others) or for surface wiring via any of three 1/2" threaded entry hubs.

#### LISTINGS

CSA certified to U.S. and Canadian standards. IP65 rated for outdoor applications. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

#### WARRANTY

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

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



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • [www.lithonia.com](http://www.lithonia.com)  
© 2020-2022 Acuity Brands Lighting, Inc. All rights reserved.

TWX3 LED  
Rev. 03/02/22



## 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 | Lumens              | LPW | Lumens              | LPW |
| P1                  | 65W          | 8,450               | 130 | 8,800               | 135 | 8,800               | 135 |
| P2                  | 79W          | 10,200              | 129 | 10,650              | 135 | 10,650              | 135 |
| P3                  | 97W          | 12,300              | 127 | 12,900              | 133 | 12,900              | 133 |
| P4/ALO              | 108W         | 13,250              | 123 | 13,850              | 128 | 13,850              | 128 |

### Electrical Load

| Performance Package | System Watts | Current (A) |       |       |       |       |
|---------------------|--------------|-------------|-------|-------|-------|-------|
|                     |              | 120V        | 208V  | 240V  | 277V  | 347V  |
| P1                  | 65W          | 0.538       | 0.310 | 0.269 | 0.233 | 0.186 |
| P2                  | 79W          | 0.656       | 0.379 | 0.328 | 0.284 | 0.227 |
| P3                  | 97W          | 0.806       | 0.465 | 0.403 | 0.349 | 0.279 |
| P4/ALO              | 108W         | 0.900       | 0.519 | 0.450 | 0.390 | 0.311 |

### Adjustable Lumen Output (ALO) Table

| Setting | System Watts | Lumen Output | Replaces Metal Halide |
|---------|--------------|--------------|-----------------------|
| 8*      | 108W         | 13,850       | 400W                  |
| 7       | 102W         | 13,250       |                       |
| 6       | 85W          | 11,400       |                       |
| 5       | 71W          | 9,900        | 250W                  |
| 4       | 57W          | 8,200        |                       |
| 3       | 44W          | 6,450        | 150/175W              |
| 2       | 29W          | 4,500        |                       |
| 1       | 18W          | 2,900        | 100W                  |

\* Factory default setting is #8

### 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.

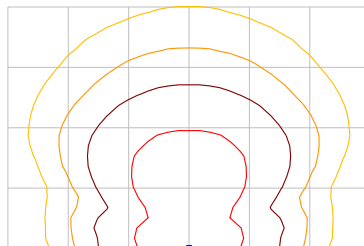
| Operating Hours          | 0   | 25,000 | 50,000 | 60,000 | 100,000 |
|--------------------------|-----|--------|--------|--------|---------|
| Lumen Maintenance Factor | 1.0 | >0.95  | >0.90  | >0.88  | >0.81   |

## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting TWX 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



TWX3 LED ALO

MH = 18ft  
Grid = 18ft x 18ft  
ISO lines = 0.25fc, 0.5fc, 1.0fc, 3.0fc

**SPECIFICATIONS**

PROJ.: CHABAD OF CHESTERFIELD

TYPE: CYLINDER

**Certifications/Qualifications**

|                    |  |
|--------------------|--|
| Class 2            | Yes  |
| Title 24 Compliant | Yes  |
|                    | <a href="http://www.kichler.com/warranty">www.kichler.com/warranty</a> |

**Dimensions**

|   |             |
|---|-------------|
| Base Backplate                                  | 5.00 X 5.00 |
| Extension                                       | 6.50"       |
| Weight  | 3.08 LBS    |
| Height from center of Wall opening (Spec Sheet) | 6.25"       |
| Height  | 12.00"      |
| Width   | 5.00"       |

**Electrical**

|               |                 |
|---------------|-----------------|
| Input Voltage | Dual (120/140)V |
|---------------|-----------------|

**Light Source**

|                            |            |
|----------------------------|------------|
| Delivered Lumens           | 550        |
| Expected Life Span (Hours) | 40000      |
| Lamp Included              | Integrated |
| Light Source               | LED        |
| Max or Nominal Watt        | 15W        |
| # of Bulbs/LED Modules     | 1          |

**Mounting/Installation**

|                   |            |
|-------------------|------------|
| Interior/Exterior | Exterior   |
| Location Rating   | Wet        |
| Mounting Style    | Wall Mount |

**Photometrics**

|                         |       |
|-------------------------|-------|
| Color Rendering Index   | 90    |
| Color Temperature Range | 3000  |
| Kelvin Temperature      | 3000K |

**FIXTURE ATTRIBUTES**



**Housing**

|                  |          |
|------------------|----------|
| Primary Material | ALUMINUM |
|------------------|----------|

**Product/Ordering Information**

|        |                               |
|--------|-------------------------------|
| SKU    | 11251AZT30                    |
| Finish | Textured Architectural Bronze |
| Style  | Contemporary                  |
| UPC    | 783927453097                  |

**Finish Options**

-  Textured Architectural Bronze
-  Textured Black

