



AGENDA
ARCHITECTURAL REVIEW BOARD MEETING

Conference Room 102-103
Thursday, October 16, 2025
5:30 PM

I. CALL TO ORDER

II. APPROVAL OF MEETING SUMMARY

A. August 14, 2025

III. UNFINISHED BUSINESS

IV. NEW BUSINESS

A. **Chabad of Chesterfield:** Amended Architectural Elevations for a proposed building for Chabad of Chesterfield located on a 1.49-acre tract of land, zoned "PC" Planned Commercial District.

B. **Wings Corporate Estates, Consolidated Lot A:** A Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect's Statement of Design for a 13.61-acre tract of land zoned "PI" Planned Industrial District located south of Wings Corporate Drive and east of Buzz WestFall Drive.

C. Proposed 2026 Meeting Schedule

V. OTHER

VI. ADJOURNMENT

*PC Liaison Khalid Chohan is scheduled for this meeting

PERSONS REQUIRING AN ACCOMMODATION TO ATTEND AND PARTICIPATE IN THE ARCHITECTURAL REVIEW BOARD MEETING SHOULD CONTACT CITY CLERK VICKIE MCGOWND AT (636)537-6716 AT LEAST TWO (2) BUSINESS DAYS PRIOR TO THE MEETING.

II. A.



THE CITY OF CHESTERFIELD
ARCHITECTURAL REVIEW BOARD
THURSDAY – AUGUST 14, 2025
5:30 PM
CONFERENCE ROOM 102/103

ATTENDANCE:

Mr. Scott Starling, Vice-Chair
Mr. Matt Adams
Mr. Doug DeLong
Mr. John Lavrich
Ms. Susan Lew
Mr. Kristopher Mehrrens

ABSENT:

Mr. Mick Weber, Chair

ALSO IN ATTENDANCE:

Councilmember Merrell Hansen
Planning Commission Liaison, Debbie Midgley
Ms. Alyssa Ahner, Senior Planner/Staff Liaison
Ms. Shilpi Bharti, Planner
Ms. Kristine Kelley, Recording Secretary

I. CALL TO ORDER

Vice-Chair Starling called the meeting to order at 5:30 p.m.

II. APPROVAL OF MEETING SUMMARY

A. June 18, 2025

Board Member Lavrich made a motion to approve the meeting summary as written. Board Member Lew seconded the motion. The motion passed by a voice vote of 5-0. Board Member Adams arrived after approval of the meeting summary.

III. UNFINISHED BUSINESS

No unfinished business at this time.

IV. NEW BUSINESS

- A. Baxter Office Park, 510 Baxter Road: An Amended Architectural Elevation for an existing office building on a 2.12-acre tract of land located on the east side of Baxter Road, zoned "C8"-Planned Commercial.

STAFF PRESENTATION

Ms. Shilpi Bharti, Planner explained that the proposed changes aim to update the building's appearance by replacing the asphalt shingles with new metal panels and stained wood. Ms. Bharti, further provided history of the site and the surrounding zoning.

Site Plan

The new materials will match the previously approved color scheme. No changes are proposed to the building height or the site's circulation system.

Materials and Color

The west elevation, facing Baxter Road, will feature black metal panels on both the walls and roof. The applicant intends to repair the existing cedar boards on the side of the building as needed, and will stain the wood with the 'Wood Shed' color.

Trash Enclosure

The existing trash dumpster will be screened from public view by a 6' tall fence constructed of aluminum frame and vinyl slats.

Mechanical Equipment

The existing rooftop mechanical equipment will be screened from public view by a 35" high vertical-style Envisor system.

Landscaping

No overall changes. The applicant is enhancing the courtyard area with new shrubs and the addition of landscape lighting.

DISCUSSION

During discussion the following information was provided.

- Proposed materials for the roof screening.
- The trash enclosure materials will match visual appearance of the building.
- Entrance doors and windows to be painted. The applicant explained disrepair of two existing panes of glass which will be replaced. Faded mullions of the window units will be painted to match the new standing-seam metal roof.
- Upgrades to the existing parking lot and existing aggregate sidewalks.
- Addition of landscaping around the trash enclosure.
- Improvements to the existing monument sign cabinet. Ms. Bharti added that the monument sign has been reviewed and approved by Staff.
- The building will provide leased office space.
- Density of existing landscaping.
- Investigate maintenance of the meter boxes units.

Motion

Board Member Mehrstens made a motion to approve the Amended Architectural Elevation of Baxter Office Park, 510 Baxter Road, as presented, with the following conditions:

- Consider sealing and striping of the existing parking lot.
- If permitted by the electric company, consider painting the interior meter boxes.
- Landscape Architect to provide Staff a landscape plan for review.


- Provide landscaping to screen the trash enclosure.
- Consider correcting and updating the exposed interior aggregate sidewalk to provide uniformity of appearance.

Board Member Adams seconded the motion. The motion passed by a voice vote of 6-0.

OTHER

VI. ADJOURNMENT 5:58 p.m.

Architectural Review Board Staff Report

Project type:	Amended Architectural Elevations
Meeting Date:	October 16, 2025
From:	Shilpi Bharti, Planner 
Location:	15310 Conway Road
Description:	Chabad of Chesterfield: Amended Architectural Elevations for the proposed building for Chabad of Chesterfield located on a 1.49-acre tract of land, zoned “PC” Planned Commercial District.

PROPOSAL SUMMARY

Chabad of Chesterfield has submitted Amended Architectural Elevations for a proposed Jewish facility located at 15310 Conway Road. The Site Development Plan and Elevations for this site were approved in 2022. With this request, the applicant is proposing modifications to the previously approved architectural elevations of the building.

HISTORY OF SUBJECT SITE

Prior to the incorporation of the City of Chesterfield, this site was zoned “R3” Residence District under St. Louis County jurisdiction. In 2007, the site was rezoned to “PC” Planned Commercial District through Ordinance No. 2361. This ordinance was later repealed in 2008 to accommodate a Site Development Plan application for a proposed 27,000-square-foot, three-story bank building, which was subsequently put on indefinite hold.



Figure 1: Subject Site

In January 2021, the governing ordinance was amended to revise development criteria for the site, including permitted uses, setbacks, and density requirements. The property is currently governed by Ordinance 3150.

In 2022, a Site Development Plan was approved for a 15,000-square-foot, single-story building with 58 parking spaces.

In 2023, a grading-only plan was approved, allowing site grading to proceed. The applicant has also submitted an Improvement Plan and City is currently waiting on a resubmittal.

STAFF ANALYSIS

Access to the site is provided through a shared driveway with 15320 Conway Road (the property located west of the subject site). Internal driveways are 22 feet wide and allow for two-way traffic. A direct connection to the internal sidewalk system is provided at the northeast corner of the site. These elements were approved as part of the Site Development Plan in 2022, and no changes are proposed. With this request, the applicant is solely seeking to amend the previously approved architectural elevations. Details of the proposed elevation changes are outlined in the sections below.



Figure 2: Approved Site Development Plan

Scale and Topography

The site slopes downward toward the south, with higher elevations on the north side. To match the elevation of Conway Road, the proposed development included filling the site.

The proposed building is 30 feet tall, compared to the previously approved height of 29 feet on the east side that faces Chesterfield Parkway. Due to the fill on site, Chesterfield Parkway East is now approximately 6 feet higher than the site's finished grade, making the visible height of the building from Chesterfield Parkway East appear as 24 feet.

Materials and Color

The proposed building materials include brick veneer, painted tilt-up concrete panels, glass fiber reinforced concrete, exterior sun control devices, and aluminum storefront systems with clear glass on three sides and frosted glass on the south side facing the highway. The previously approved materials also consisted of painted concrete panels and brick.



Figure 3: Previously approved North side elevation

The building entrance features a recessed design with aluminum storefront and exterior sun control devices. Rooftop mechanical units will be screened by the building's parapet walls.

No changes are proposed to the location of the previously approved trash enclosure, which remains at the southwest corner of the site. The enclosure will be constructed using painted tilt-up concrete panels.



Figure 4: Proposed North side elevation facing Conway Road



Figure 5: Previously approved South side elevation facing I-64



Figure 6: South side elevation facing I-64

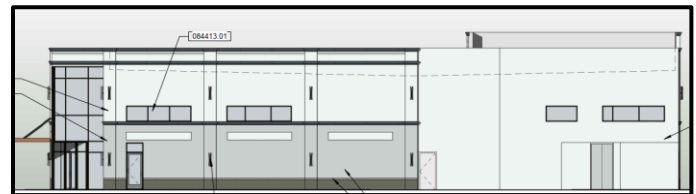
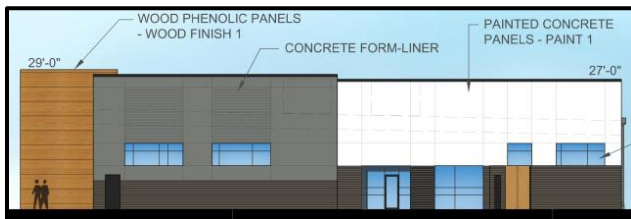


Figure 7: Previously approved and proposed elevation of west side



Figure 8: Previously approved and proposed elevation of east side

Lighting

There are is one minor change to the previously approved lighting plan; the applicant is only updating the wall pack fixture. The new wall pack fixture will be cylindrical-shaped light with an open top and bottom to direct light onto the wall.

Rendering



Figure 9: Rendering of previously approved building



Figure 10: Rendering of proposed building

DEPARTMENTAL INPUT

Staff requests review and recommendation on the Amended Architectural Elevations for 15310 Conway Road (Chabad of Chesterfield).

MOTION

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

- 1) "I move to forward the Amended Architectural Elevations for 15310 Conway Road (Chabad of Chesterfield), as presented, with a recommendation for approval (or denial)."

- 2) "I move to forward the Amended Architectural Elevations for 15310 Conway Road (Chabad of Chesterfield) with a recommendation for approval with the following conditions..."

Attachments

1. Architectural Review Packet Submittal

LETTER



Date : September 30, 2025
Project : 15310 Conway Rd
To: City of Chesterfield Planning Department
Re: 15310 Conway Rd - ARB Statement of Design Reference

STATEMENT OF DESIGN INTENT

Our primary goal is to implement owner's vision for a refreshed exterior design. The changes will be concentrated on the building itself, leaving the current site layout and landscaping as-is.

GENERAL SITE REQUIREMENT FOR SITE DESIGN

CIRCULATION SYSTEM AND ACCESS

Circulation and site access remain unchanged.

TOPOGRAPHY

Topographical design remains unchanged.

RETAINING WALLS

Retaining wall layout remains unchanged.

GENERAL REQUIREMENT FOR BUILDING DESIGN

SCALE

Proposed design retains similar massing and scale as the original design.

DESIGN

The design aims to strike a balance between monumentality and accessibility, creating a structure that is both impressive and welcoming. This is achieved through the use of simple, geometric forms that are softened with ornate trim, adding elegance and detail to the overall aesthetic.

MATERIALS AND COLORS

The exterior utilizes a modern palette of concrete and aluminum-framed glazing, chosen for its durability and visual appeal. The color scheme is composed of cool, light-toned surfaces accented with dark highlights, reinforcing the building's crisp, contemporary character.

LANDSCAPE DESIGN AND SCREENING

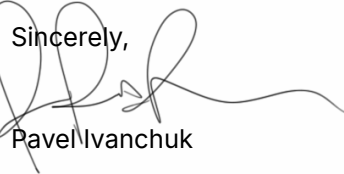
Landscape design is unchanged from the approved plans.

SIGNAGE

We have transitioned the signage from a wall-mounted sign to a ground-level installation featuring prominent, three-dimensional letters.

LIGHTING

To highlight the architectural details, wall-mounted sconces with fluid, flowing lines were selected. Their design complements the ornate trim found on the coping and pilasters, adding both accent lighting and visual harmony.

Sincerely,

Pavel Ivanchuk

OSNOVA ARCHITECTURE LLC / 101 S BRENT AVE, ST LOUIS MO 63122 / 636 . 346 . 1787



osnova
architecture

CHABAD OF
CHESTERFIELD

15310 CONWAY RD

RENDERING

09/26/25

Page 13 of 90



084413.01

047200.01A

033000.02B

033000.03C

033000.01A

27'-0"

30'-0"

CHABAD OF CHESTERFIELD

KEYNOTES

033000.01A	TILT-UP CONCRETE PANEL, PAINT TYPE A
033000.02B	TILT-UP CONCRETE PANEL, PAINT TYPE B
033000.03C	TILT-UP CONCRETE PANEL, PAINT TYPE C
047200.01A	GLASS FIBER REINFORCED CONCRETE PANEL. PAINT TYPE A
047200.01B	GLASS FIBER REINFORCED CONCRETE PANEL. PAINT TYPE B
047200.02	NATURAL STONE PROFILE, LIMESTONE
047200.03D	GLASS FIBER REINFORCED CONCRETE PROFILE, PAINT TYPE D
047200.04D	GLASS FIBER REINFORCED CONCRETE PROFILE, PAINT TYPE D
084413.01	ALUMINUM STOREFRONT.
107113.01	EXTERIOR SUN CONTROL DEVICE

PAINT TYPE B
EXTRA WHITE
SW7006

PAINT TYPE D
CYBERSPACE
SW7076

PAINT TYPE C
GYPSUM
SW9543

PAINT TYPE A
SITE WHITE
SW 7070



MAXIM LIGHTING / 30" SCROLL FIXTURE



US BRICK - STERLING WITH LIGHT GRAY MORTAR



osnova
architecture

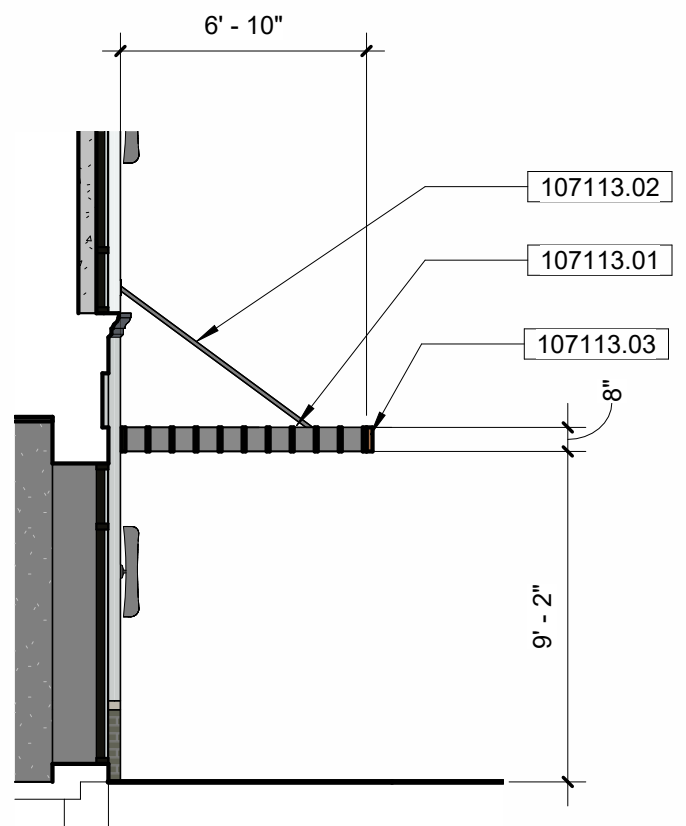
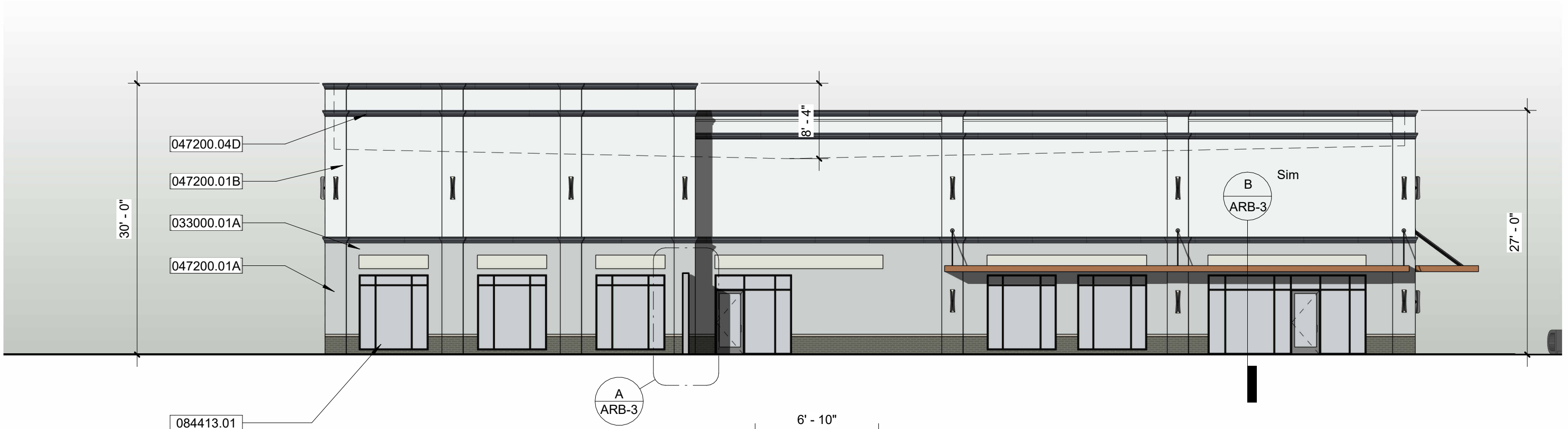
CHABAD OF
CHESTERFIELD

15310 CONWAY RD

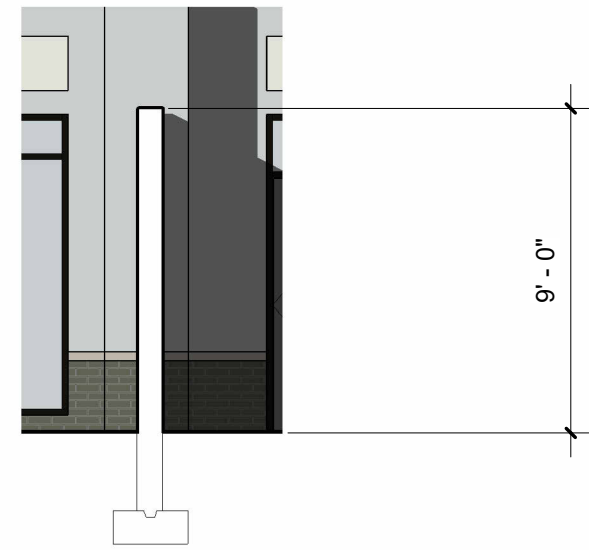
NORTH ELEVATION

09/26/25

Page 14 of 90



B SUN SHADE DETAIL
3/16" = 1'-0"



A SITE WALL DETAIL
3/16" = 1'-0"

KEYNOTES	
033000.01A	TILT-UP CONCRETE PANEL, PAINT TYPE A
047200.01A	GLASS FIBER REINFORCED CONCRETE PANEL. PAINT TYPE A
047200.01B	GLASS FIBER REINFORCED CONCRETE PANEL. PAINT TYPE B
047200.04D	GLASS FIBER REINFORCED CONCRETE PROFILE, PAINT TYPE D
084413.01	ALUMINUM STOREFRONT.
107113.01	EXTERIOR SUN CONTROL DEVICE
107113.02	STEEL ROD
107113.03	FAUX WOOD ALUMINUM FASCIA, KNOTWOOD KEGR20050



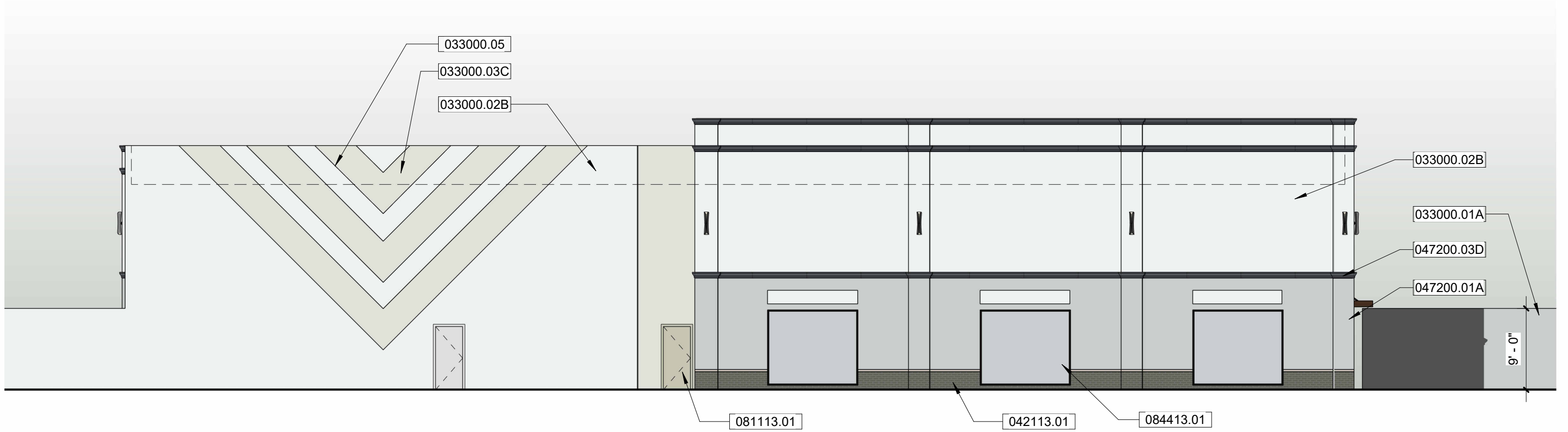
CHABAD OF CHESTERFIELD

15310 CONWAY RD

EAST ELEVATION

09/26/25

Page 15 of 90



osnova
architecture

CHABAD OF
CHESTERFIELD

KEYNOTES

033000.01A	TILT-UP CONCRETE PANEL, PAINT TYPE A
033000.02B	TILT-UP CONCRETE PANEL, PAINT TYPE B
033000.03C	TILT-UP CONCRETE PANEL, PAINT TYPE C
033000.05	TILT-UP CONCRETE PANEL, JOINT TYPE X
042113.01	MASONRY BRICK VENEER.
047200.01A	GLASS FIBER REINFORCED CONCRETE PANEL. PAINT TYPE A
047200.03D	GLASS FIBER REINFORCED CONCRETE PROFILE, PAINT TYPE D
081113.01	HOLLOW METAL DOOR AND FRAME
084413.01	ALUMINUM STOREFRONT.

SOUTH ELEVATION

09/26/25


15310 CONWAY RD



CHESTERFIELD

KEYNOTES

033000.01A	TILT-UP CONCRETE PANEL, PAINT TYPE A
033000.02B	TILT-UP CONCRETE PANEL, PAINT TYPE B
047200.01A	GLASS FIBER REINFORCED CONCRETE PANEL. PAINT TYPE A
047200.01B	GLASS FIBER REINFORCED CONCRETE PANEL. PAINT TYPE B
047200.03	
084413.01	ALUMINUM STOREFRONT.
265600.01	EXTERIOR WALL SCONCE



osnova
architecture

CHABAD OF
CHESTERFIELD

690 Chesterfield Pkwy W • Chesterfield MO 63017-0760
Phone: 636-537-4000 • Fax 636-537-4798 • www.chesterfield.mo.us

Architectural Review Board Staff Report

Meeting Date: October 16th, 2025

From: Alyssa Ahner, Senior Planner

Location: 18302, 18310, 18318, 18326, 18334 Wings Corporate Drive and 18337, 18329, 18321 Paul Haglin Drive

Description: **Wings Corporate Estates, Consolidated Lot A:** A Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect’s Statement of Design for a 13.61-acre tract of land zoned “PI” Planned Industrial District located south of Wings Corporate Drive and east of Buzz WestFall Drive.

PROPOSAL SUMMARY

GMA Architects in collaboration with Arco Constructors and Stock & Associates Consulting Engineers has submitted plans for Pier Tech LLC. The proposal consists of the new construction of a 109,000 square foot warehouse and office building on undeveloped lots in the Wings Corporate Estates subdivision. A lot consolidation plat has also been submitted which will be reviewed by City Council towards the end of the Site Development Section Plan process to legally consolidate the eight (8) lots into one (1).

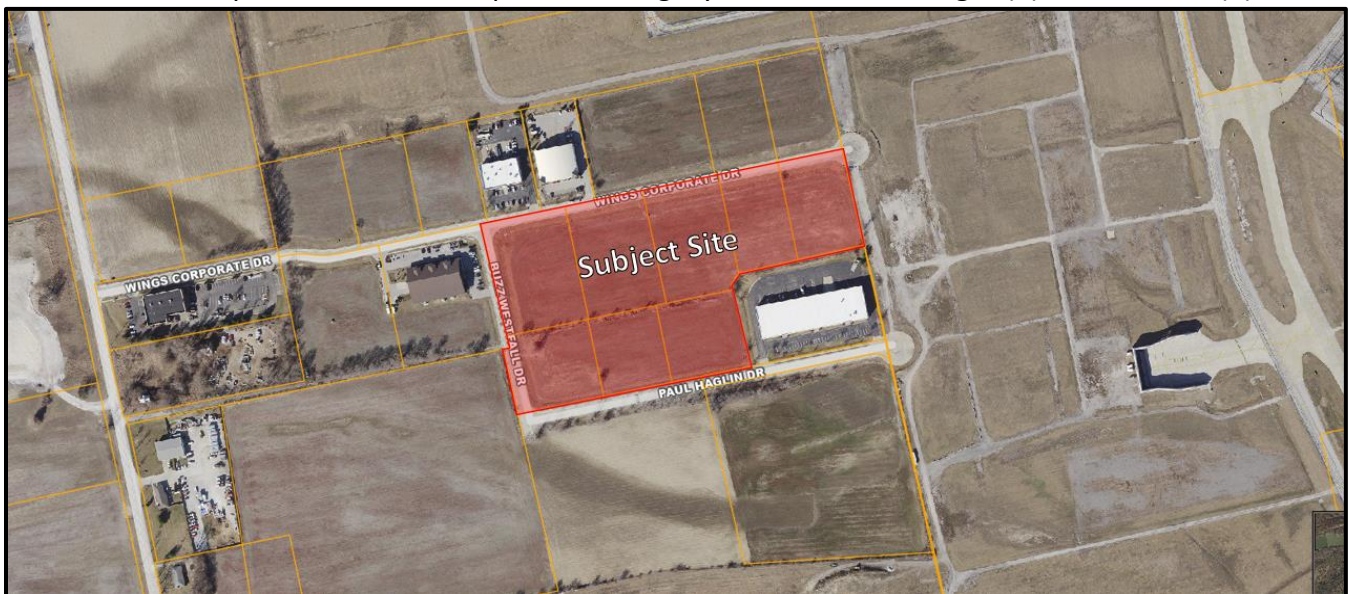


Figure 1: Subject Site

HISTORY OF SUBJECT SITE

Pre-1988: Subject site was zoned “NU” Non-Urban.

2005: Site was rezoned to “PI” Planned Industrial and there have been multiple amendments since.

2008: The Wings Corporate Estates subdivision was platted dividing the 36-acre tract of land into 20 lots. Four (4) lots have been developed but the remainder of the subdivision has sat vacant.

STAFF ANALYSIS

A. Site Relationships

As previously mentioned, only four out of the twenty lots within the Wings Corporate subdivision have been developed. The applicant has provided photos of the adjacent buildings in their submittal. The subject site is primarily surrounded by vacant land; however, multiple projects have recently been approved within the vicinity. Carshield Sportsplex was approved and is currently under construction to the northwest. The property located southwest of the site was rezoned in 2024 to be used as athletic fields for sports such as cricket, pickleball, and volleyball but the timeline for

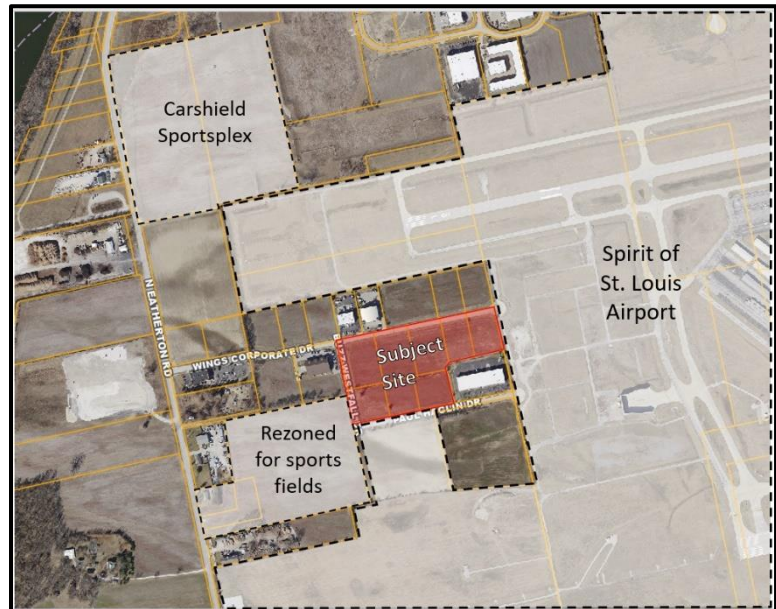


Figure 2: Nearby developments

development is unknown. A majority of the land located directly south of the site is owned by St. Louis County for the Spirit of St. Louis Airport.

B. Circulation & Access

The property fronts Wings Corporate Drive, Buzz WestFall Drive, and Paul Haglin Drive all of which are owned and maintained by St. Louis County. There are a total of three driveways proposed. Two of these are proposed on Wings Corporate Drive to serve the main entrance to the building. A third driveway is proposed on Buzz WestFall Drive but will be gated as it serves as the entrance to the loading area. A permanent

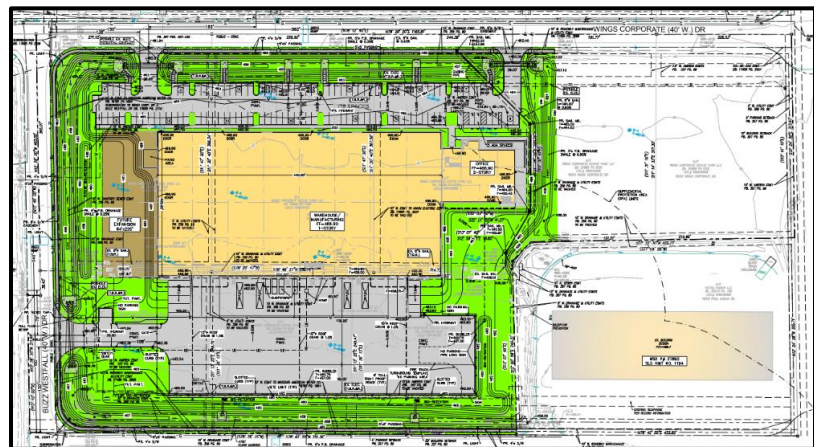


Figure 3: Color site plan

turnaround area ahead of the gate has been provided as required by Code.

Based on the proposed use, a minimum of 72 spaces are required and a maximum of 120 spaces are allowed. The development is proposing a total 118 spaces thus falling within the allowed parameters. Five (5) ADA spaces have been accounted for near the main entrance of the building that fronts on Wings Corporate Drive.

C. Scale

The maximum height of the proposed building is 42’4” at the parapet. This is roughly 4’ taller than the roofline in order to screen rooftop mechanical equipment. The area of the building used for warehouse/manufacturing is a single-story design while the office portion of the building is a two-story design. The heights of adjacent buildings within the Wings Corporate subdivision range from 24’ to 35’ and most are a single-story design.

D. Materials & Design

The building will be constructed primarily of concrete tilt-up panels with reveals and painted with a three-tone grey palette as shown in Figure 4. The warehouse/manufacturing portion of the building will have clerestory windows with a low-e glazing in a prefinished black aluminum framing system. A concrete patio with a prefabricated metal shade structure in black is proposed along the west elevation to serve as an employee break area.



Figure 4: Proposed color palette

The office portion of the building will be accented with a feature wall clad with stone in addition to a multi-level patio. The multi-level patio will utilize ACM paneling in matte black while the underside will feature a wood look metal panel. Windows with a low-e tinted glazing will wrap around this corner of the building. A segment of the north elevation depicting the office portion of the building may be seen in Figure 5 followed by a rendering of the same area.

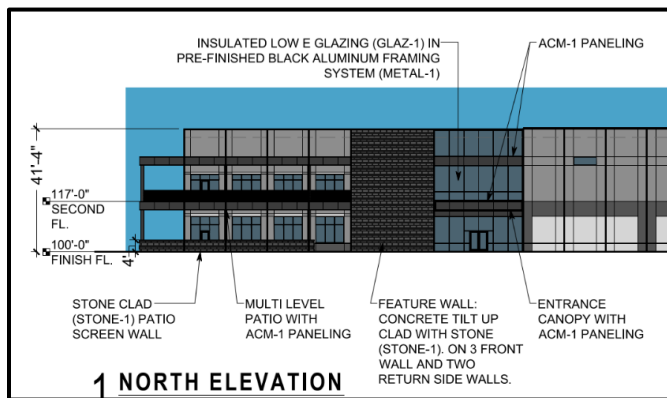


Figure 5: Segment of north elevation



Figure 6: Rendering of office portion of building

E. Landscape Design & Screening

The site requires a minimum of 30% openspace and 52.8% is being provided. The higher percentage is a result of leaving the northeastern portion of the consolidated lot undeveloped as depicted in hatched red in Figure 7.

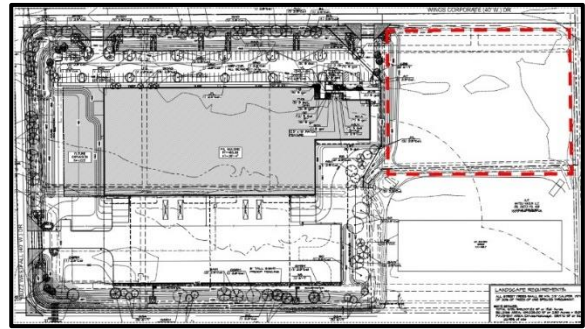


Figure 7: Designated openspace

A total of 98 trees (32.6% fast growing and 67.4% slow growing) have been dispersed throughout the site while a mixture of shrubs, forbs, grasses, and annuals will make up the remainder of the landscaping. Attention has been paid to existing and proposed ground mounted utility boxes by providing additional plantings where feasible. Bioretention wraps around the southern property boundary and will have native grasses per MSD requirements. A detailed planting plan for all landscaping may be found in the submittal.

For safety and screening purposes, the entirety of rear of the site will be fenced off with a 6' tall vinyl fence in grey. Trash will be located within this fence area so a separate enclosure is not being proposed. The only way to enter this area will be through the gated drive on Buzz WestFall Drive. The location of the fence has been depicted in Figure 8 and a typical section of the fencing may be found in the submittal packet.

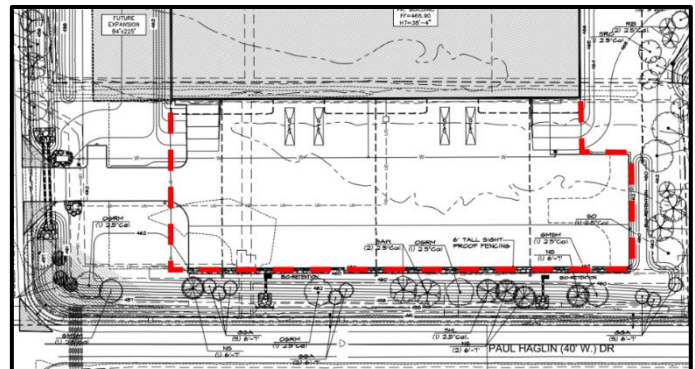


Figure 8: Location of proposed fence

F. Lighting

Parking lot light poles will be 20' tall and are spread throughout the site. The proposed fixture is similar to what is seen throughout various developments in the City. Two different types of wall mounted lights have been chosen. One fixture will be mounted at 20' and will be similar to the parking lot light fixture while a more decorative fixture has been chosen for the lighting mounted around 10'.

The typical requirement for street lights is for the applicant to chose an Ameren approved fixture. However, Wings Corporate Estates has existing street lights that match the character of some of the surrounding architecture. Per Code, *“To achieve uniformity, streetlighting plans shall utilize the same light fixture, standard, and luminaire throughout the development.”* The applicant has revised their original chosen fixture to one that is more cohesive with the area. A photo of an existing street light may be seen in Figure 9 and all the lighting fixture cutsheets may be found in the submittal.



Figure 9: Existing street light

RENDERING



Aerial view from Wings Corporate Drive.

DEPARTMENT INPUT

Be advised, this project is still going through development review by City Staff and will not proceed to the final approving body until all outstanding items have been addressed. All recommendations made by the Architectural Review Board will be included in the report to the appropriate approval body.

Staff requests review on the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect’s Statement of Design for Wings Corporate Estates, Consolidated Lot A.

MOTION

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

“I move to forward the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect’s Statement of Design for Wings Corporate Estates, Consolidated Lot A as presented, with a recommendation for approval (or denial) to the appropriate approval body.”

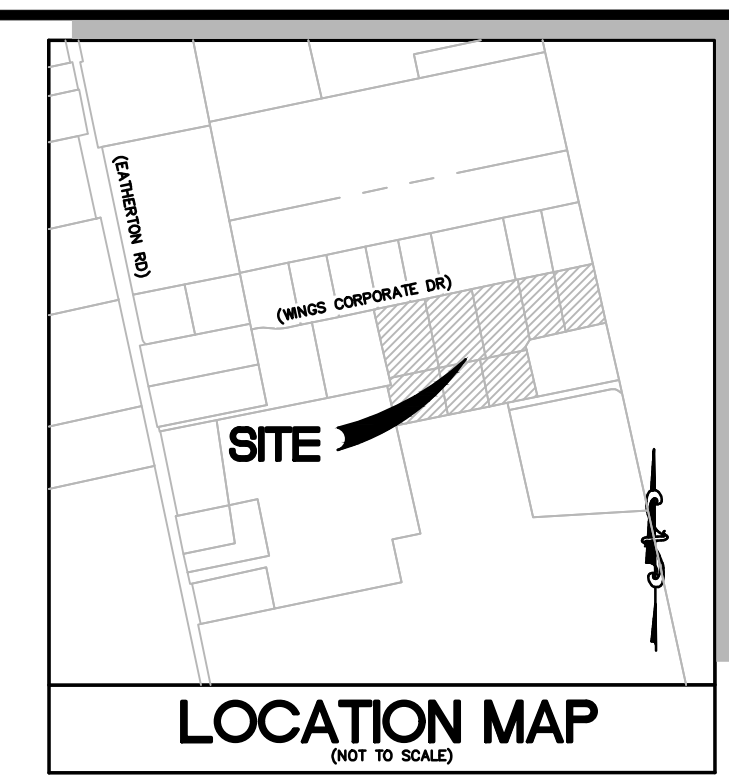
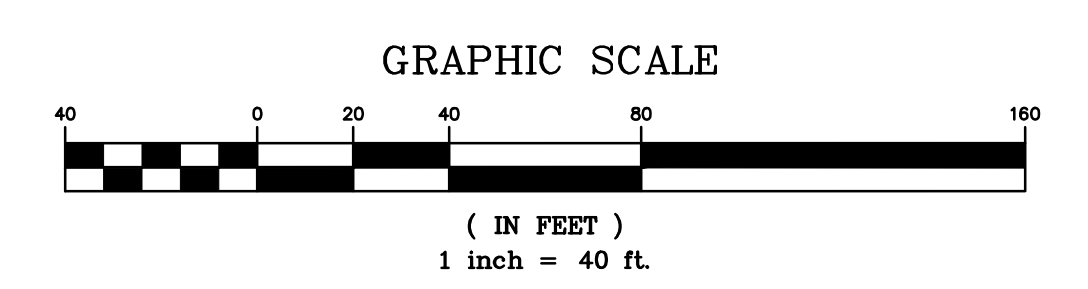
“I move to forward the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations, and Architect’s Statement of Design for Wings Corporate Estates, Consolidated Lot A to the appropriate approval body with a recommendation for approval with the following conditions...”

Attachments:

1. Architectural Review Packet Submittal

SITE DEVELOPMENT SECTION PLAN

A TRACT OF LAND BEING LOTS 9, 10, 11, 12, 13, 17, 18, AND 19 OF WINGS CORPORATE ESTATES, A SUBDIVISION AS RECORDED IN PLAT BOOK 356, PAGES 79-81 OF THE ST. LOUIS COUNTY RECORDS, LOCATED IN U.S. SURVEY 362 AND 133, TOWNSHIP 45 NORTH, RANGE 3 EAST OF THE 5TH PRINCIPAL MERIDIAN
ST. LOUIS COUNTY, MISSOURI



PERTINENT DATA

OWNER UNDER CONTRACT: PIERTECH
 COMBINED LOT AREA: 593,008 S.F. OR 13,614 Ac.
 EXISTING ZONING: PLANNED INDUSTRIAL DISTRICT (ORD. 2237)
 PROPOSED ZONING: PLANNED INDUSTRIAL DISTRICT
 EXISTING USE: UN-DEVELOPED
 PROPOSED USE: MANUFACTURING
 SITE ADDRESS: 18326 WINGS CORPORATE DRIVE
 CHESTERFIELD, MISSOURI 63005
 18W440100

LOCATOR NO: PG. 19, GRID 18-LL & 19-LL
 FIRE DISTRICT: MONARCH FIRE PROTECTION DISTRICT
 SCHOOL DISTRICT: ROCKWOOD
 SEWER DISTRICT: METROPOLITAN ST. LOUIS SEWER DIST.
 WATER SHED: MISSOURI RIVER
 FEMA MAP: 29189C0145K, FEB 4, 2015
 ELECTRIC COMPANY: AMEREN UE
 SPIRE ENERGY
 GAS COMPANY: AT&T
 PHONE COMPANY: MISSOURI AMERICAN WATER COMPANY

ST. LOUIS COUNTY BENCHMARK

BENCHMARK 11109 NAVD83 Elev = 461.10
 "Standard Aluminum Disk" stamped SL-41 1990 Disk is set along the east side of Easterton Road just north of the Shell Pipeline Marker, 15' east of the centerline of Easterton and 80' north of the east pipeline marker. Approximately 1.1 mile south of the intersection of Olive Street Road and Easterton Road.

FLOOD INFORMATION

1. FEMA BASE FLOOD 100-YEAR ELEVATION = 460.00

LEGEND

4'w CONCRETE SIDEWALK

SHEET INDEX

SDP-1 SITE DEVELOPMENT SECTION PLAN
 SDP-2 SITE DEVELOPMENT SECTION PLAN
 SDP-3 SIGHT DISTANCE EXHIBIT

- LEGEND**
- EXISTING SANITARY SEWER
 - EXISTING STORM SEWER
 - EXISTING TREE
 - EXISTING BUILDING
 - EXISTING CONTOUR
 - SPOT ELEVATION
 - EXISTING UTILITIES
 - FOUND 1/2" IRON PIPE
 - SET IRON PIPE
 - FOUND CROSS
 - FOUND STONE
 - FIRE HYDRANT
 - LIGHT STANDARD
 - BUSH
 - SIGN
 - NOTES PARKING SPACES
 - GUY WIRE
 - POWER POLE
 - WATER VALVE
 - DEMOTES RECORD INFORMATION
 - ACCESSIBLE PARKING
 - PROPOSED CONTOUR
 - PROPOSED SPOT
 - PROPOSED SANITARY

ABBREVIATIONS

- ATG - ADJUST TO GRADE
- B.C. - BACK OF CURB
- C.O. - CLEANOUT
- D.B. - DEED BOOK
- E. - ELECTRIC
- ELEV. - ELEVATION
- EX. - EXISTING
- F.C. - FACE OF CURB
- FL. - FLOWLINE
- FT. - FEET
- FND. - FOUND
- G. - GAS
- H.W. - HIGH WATER
- LFB - LOW FLOW BLOCKED
- M.H. - MANHOLE
- N/F - NOW OR FORMERLY
- PL. - PLAT BOOK
- P.G. - PAGE
- PR. - PROPOSED
- P.V.C. - POLYVINYL CHLORIDE PIPE
- R.C.P. - REINFORCED CONCRETE PIPE
- R/W - RIGHT-OF-WAY
- S. - SQUARE
- T. - TELEPHONE CABLE
- T.B.A. - TO BE ABANDONED
- T.B.R. - TO BE REMOVED
- T.B.R.&R. - TO BE REMOVED AND REPLACED
- TYP. - TYPICALLY
- U.I.P. - USE IN PLACE
- U.O.N. - UNLESS OTHERWISE NOTED
- V.C.P. - VITRIFIED CLAY PIPE
- W. - WATER
- (86'W) - RIGHT-OF-WAY WIDTH

UTILITY NOTE

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS, RECORDS AND INFORMATION, AND THEREFORE DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NON-EXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE FACILITIES, STRUCTURES AND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS. THE UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319 RSMo.

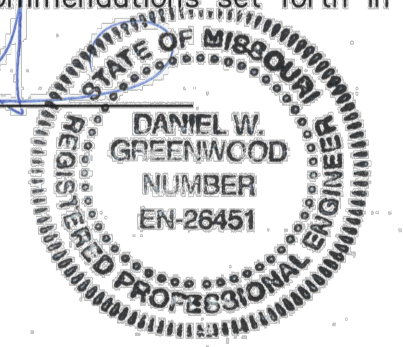
CONTRACTOR'S INSURANCE REQUIREMENTS

PRIOR TO OBTAINING A CONSTRUCTION PERMIT FROM THE METROPOLITAN ST. LOUIS SEWER DISTRICT, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE THE DISTRICT WITH A COPY OF AN EXECUTED CERTIFICATE OF INSURANCE INDICATING THAT THE PERMITTEE HAS OBTAINED AND WILL CONTINUE TO CARRY COMMERCIAL GENERAL LIABILITY AND COMPREHENSIVE AUTO LIABILITY INSURANCE. THE REQUIREMENTS AND LIMITS SHALL BE AS STATED IN THE "RULES AND REGULATIONS AND ENGINEERING DESIGN REQUIREMENTS FOR SANITARY AND STORMWATER DRAINAGE FACILITY", SECTION 10.090 (ADDENDUM).

GEOTECHNICAL ENGINEER'S STATEMENT

Midwest Testing, at the request of ARCO Construction Company has provided geotechnical services for the project proposed hereon. A geotechnical investigation titled "Geotechnical Exploration, Pier Tech, Chesterfield, Missouri", July 15, 2025, Midwest No. 18211. Our findings indicate that the earth-related aspects are suitable for the development proposed pursuant to the geotechnical recommendations set forth in our Geotechnical Report.

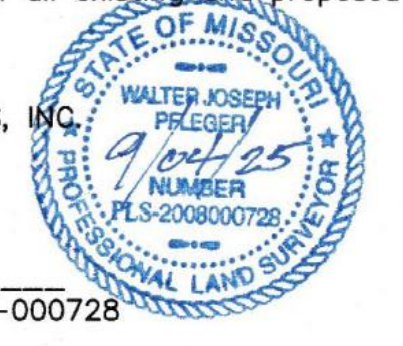
Engineer: *[Signature]*
 Date: 09-25-25



SURVEYOR CERTIFICATE

This is to certify that Stock & Associates Consulting Engineers, Inc. has prepared this Site Development Plan from an actual survey. The information shown is a correct representation of all existing and proposed land divisions.

STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC.
 LOC 222-D
 By: *[Signature]*
 Walter J. Pfeiffer, Missouri P.L.S. No. 2008-000728



This Site Development Section Plan was approved by the City of Chesterfield and duly verified on the _____ day of _____, 2025, by the Chairperson of said Commission, authorizing the recording of this Site Development Section Plan pursuant to Chesterfield Ordinance Number 200, as attested to by the Director of Planning and the City Clerk.

Justin Wyse, AICP
 Director of Planning
 City of Chesterfield, Missouri

Vickie McGowan, City Clerk
 City of Chesterfield, Missouri

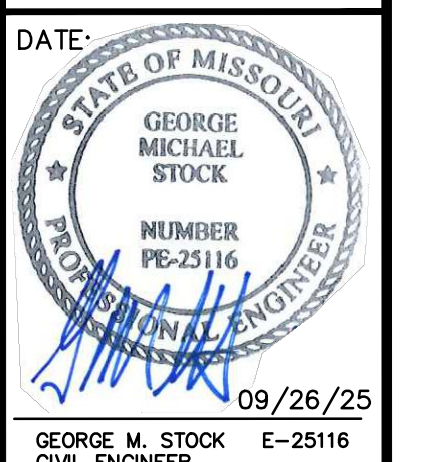
PIERTECH, the owner of the property shown on this plan for and in consideration of being granted approval of said plan to develop property under the provisions of Section 03, _____ of City of _____ (Official Subsection) (Present Zoning) Corporation in the State of _____, do hereby agree and declare that 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.

Signature: _____
 Name: _____

State of _____ SS.
 County of _____
 On this _____ day of _____, A.D., 2025, before me personally appeared _____ (Official of Corporation) to me known, who, being by me sworn in, did say that he/she is the _____ of _____ a corporation in the State of _____, and that the seal affixed to the foregoing instrument is the corporate seal of said corporation, and that said instrument was signed on behalf of said corporation by authority of its Board of Directors, and the said _____ (Official of Corporation) 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 _____ day and year last above written. (County and State)
 My term expires _____
 Notary Public

PREPARED BY:
Stock & Associates
 Consulting Engineers, Inc.
 257 Chesterfield Business Parkway
 St. Louis, MO 63005 PH: (636) 530-0000 FAX: (636) 530-9100
 e-mail: general@stockassoc.com
 Web: www.stockassoc.com

SITE DEVELOPMENT SECTION PLAN FOR:
PIERTECH @ WINGS CORPORATE ESTATES
 18326 WINGS CORPORATE DRIVE
 CHESTERFIELD, MISSOURI 63005



DATE: 09/26/25

REVISIONS:

1	2025-09-26	REVISED PER CITY COMMENTS
---	------------	---------------------------

DRAWN BY:	CHECKED BY:
J.M.B.	G.M.S.
DATE:	JOB NO.
09/05/2025	225-7833
REV. #	BASE MAP
25MSD-XXXXX	18-W
SLC H&T #	H&T SLP. #
MDNR #	
MO-RA-	
SHEET TITLE:	
SITE DEVELOPMENT SECTION PLAN	
SHEET NO.:	
SDSP-1	

LANDSCAPE GUIDELINE SPECS:

- GENERAL:**
- All natural vegetation shall be maintained where it does not interfere with construction or the permanent plan of operation. Every effort possible shall be made to protect existing structures or vegetation from damage due to equipment usage. Contractor shall at all times protect all materials and work against injury to public.
 - The landscape contractor shall be responsible for any coordination and sequencing with other site related work being performed by other contractors. Refer to additional drawings for further coordination of work to be done.
 - Underground facilities, structures and utilities must be considered approximate only. There may be others not presently known or shown. It shall be the landscape contractor's responsibility to determine or verify the existence of and exact location of the above (Call 1-800-DIG-RITE in Missouri).
 - Plant material to be planted in the same relationship to grade as was grown in nursery conditions. All planting beds shall be cultivated to 6" depth minimum and graded smooth immediately before planting of plants. Plant groundcover to within 12" of trunk of trees or shrubs planted within the area.
 - It shall be the landscape contractor's responsibility to:
 - Verify all existing and proposed features shown on the drawings prior to commencement of work.
 - Report all discrepancies found with regard to existing conditions or proposed design to the landscape architect immediately for a decision.
 - Obtain the locations of all proposed plant material and obtain the approval of the owner's representative or landscape architect ten (10) days prior to installation.
 - Items shown on this drawing take precedence over the material list. It shall be the landscape contractor's responsibility to verify all quantities and conditions prior to implementation of this plan. No substitutions of types or size of plant materials will be accepted without written approval from the landscape architect.
 - Provide single-stem trees unless otherwise noted in plant schedule.
 - All plant material shall comply with the recommendations and requirements of ANSI Z601 "American Standards for Nursery Stock".
 - It shall be the contractor's responsibility to provide for inspection of the plant material by the Landscape Architect (or Owner's Representative) prior to acceptance. Inspections may take place before, during or after installation. Plants not conforming exactly to the plant list will not be accepted and shall be replaced at the landscape contractor's expense.
 - All bids are to have unit prices listed. The Owner has the option to delete any portion of the contract prior to signing the contract or beginning work. This will be a unit price contract. Quotes shall be valid for 12 months.
 - Should auger equipment be utilized in excavating any plant pits, vertical sides of plant pits shall be thoroughly scarified to avoid creation of "polished side walls" prior to plant material installation.
 - All excess topsoil, rocks, debris and/or banded soils shall be removed by the general contractor prior to point project is turned over to the landscape contractor to commence landscape installation.
 - Transported material will not be guaranteed by the landscape contractor.
 - Keep all plant material (except turf) a minimum of 36" clear of fire hydrants.
 - Landscape contractor shall kill & remove all existing weeds within the project site.
 - All tags, nursery stakes, labels, etc. shall be removed by the landscape contractor at completion of all landscape installation.
 - Landscape contractor shall be in compliance with all federal, state and local laws / regulations relating to insect infestation and/or plant diseases.
- PRUNING:**
- Lightly prune trees at time of planting. Prune only the crossover limbs, interfering leaders and/or broken branches. Some interior twigs and lateral branches may be pruned. However, do not remove the terminal buds of branches that extend to the edge of the crown.
 - All pruning shall comply with ANSI A300 standards.
- INSURANCE:**
- The landscape contractor shall submit certificates of insurance for workman's compensation and general liability.
- MULCH:**
- All mulch to be shredded oak bark mulch at 3" depth (after transportation unless otherwise noted). Mulch shall be clean and free of all foreign materials, including weeds, mold, deleterious materials, etc.
 - No plastic sheathing or filter fabric shall be placed beneath shredded bark mulch beds. No filter fabric shall be used beneath all gravel mulch beds. Edge all beds with spade-cut edge unless otherwise noted.
- SIGHT TRIANGLES:**
- No landscape material or other obstructions shall be placed or be maintained within the sight distance area so as to impede the vision between a height of thirty inches (30") and ten feet (10') above the adjacent street or paving surfaces.
 - Sight triangles at the intersection of a public street and a private access way (except for single family residences) shall also be formed by measuring from the point of intersection of the street frontage curbs and the entrance curb lines a distance of 25' and connecting the points so established to form the sight triangle area.
- WARRANTY:**
- All plant material (excluding ground cover, perennials and annuals) are to be warranted for a period of 12 months after complete installation of all landscape material at 100% of the installed price.
 - Any plant material found to be defective shall be removed and replaced within 30 days of notification or in growth season determined to be best for that plant.
 - Only one replacement per tree or shrub shall be required at the end of the warranty period, unless loss is due to failure to comply with warranty.
 - Lawn establishment period will be in effect once the lawn has been mowed three times. Plant establishment period shall commence on the date of acceptance and 100% completion.
 - A written guarantee shall be provided to the owner per conditions outlined in #1 above.

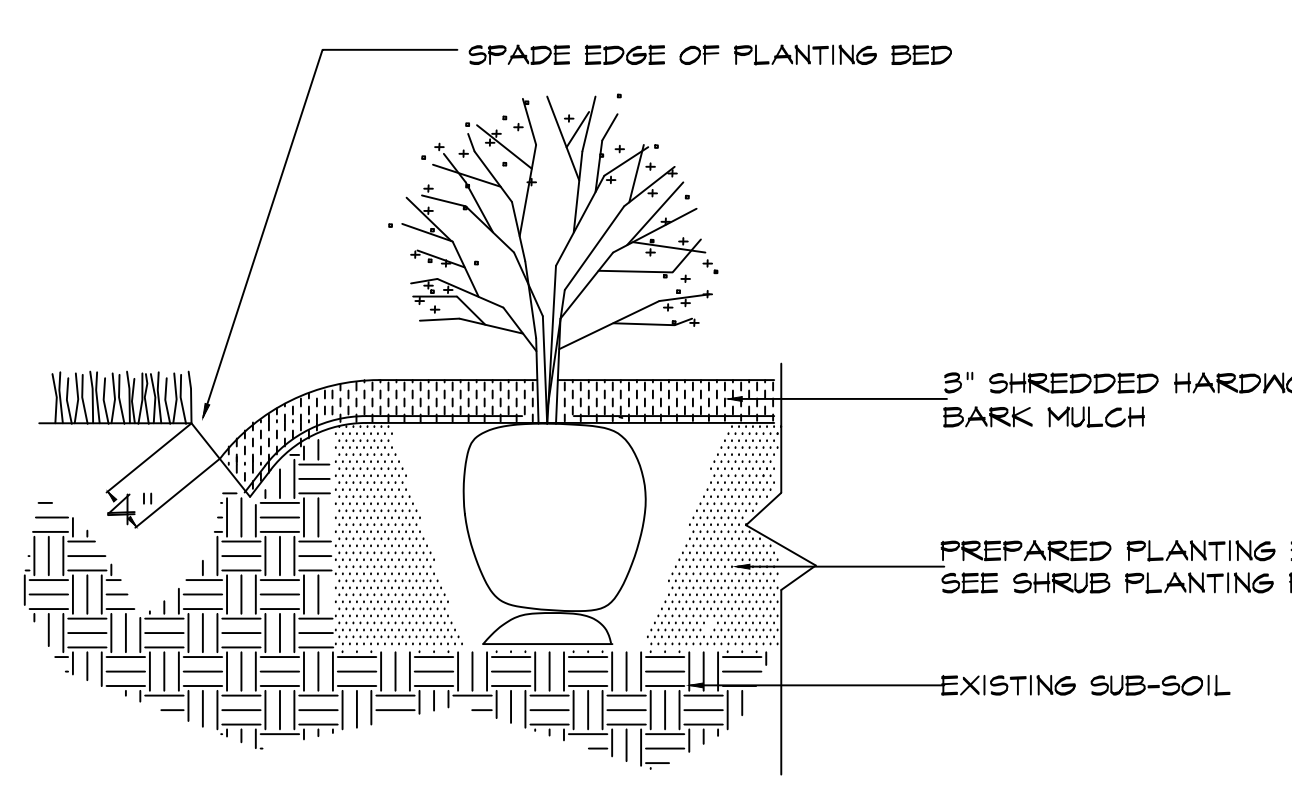
- TURF:**
- All disturbed lawn areas to be seeded with a mixture of Turf-Type fescue (80% per acre) and bluegrass (18% per acre). Lawn areas shall be unconditionally warranted for a period of 40 days from date of final acceptance. Bare areas more than one square foot per any 50 square feet shall be reseeded.
 - The turf contractor shall be responsible for protection of finished grade, restore and repair any erosion or water damage and obtain owner's approval prior to seeding or sod installation.
 - Landscape contractor shall offer an alternate price for sod in lieu of seed. Sod shall be cut at a uniform thickness of 3/4". No broken pieces, irregular pieces or torn pieces will be accepted. Any points carrying concentrated water loads and all slopes of 15% or greater shall be sodded.
 - All sod shall be placed a maximum of 24 hours after harvesting.
 - Reasonable existing lawn areas damaged by Contractor's operations including equipment/material storage and movement of vehicles.
 - Sod contractor to ensure sod is placed below sidewalk and all paved areas elevations to allow for proper drainage.
- EROSION CONTROL BLANKET (Where applicable):**
- All seeded areas shall receive an erosion control blanket which shall consist of loose straw mat and anchor pins as manufactured by North American Green, D5 T5 or approved equal. Install per manufacturer's recommendations.
- PLUG PLANTING NOTES:**
- All plugs to be 4-1/2" deep X 2" diameter minimum.
 - Plugs are to be planted in a hole dug with a trowel, spade or planting bar such that the hole is of a minimum diameter and depth to accommodate the plug and its roots, without damage.
 - Plugs shall be spaced in a triangular layout approximately 24" on center. Plugs shall be planted through erosion control blanket where appropriate.
 - Obtain plugs from a reputable nursery.
 - Water plugs upon completion of planting so that soil is moist but not saturated.
 - If planting is delayed more than six hours after delivery, store plugs in the shade, protect from weather and mechanical damage and keep them moist and cool. All plugs shall be planted within 24 hours after delivery.
- IRRIGATION:**
- All planting beds and lawn areas are to be irrigated with a fully automatic, in-ground irrigation system (By Others).
- MAINTENANCE:**
- Landscape Contractor shall provide a separate proposal to maintain all plants, shrubs, groundcover, perennials and annuals for a period of 12 months after acceptance.
 - Contractor shall ensure that only competent and trained personnel shall provide such services and that such services be provided in a timely manner.
- TOPSOIL:**
- Topsoil mix for all proposed landscape plantings shall be five (5) parts well-drained screened organic topsoil to one (1) part Canadian sphagnum peat moss as per planting details. Ratio-1:1 topsoil mix to a depth of 6" minimum and grade smooth.
 - Provide a soil analysis, as requested, made by an independent soil-testing agency outlining the % of organic matter, inorganic matter, deleterious material, pH and mineral content.
 - Any foreign topsoil used shall be free of roots, stumps, weeds, brush, stones (larger than 1"), litter or any other extraneous or toxic material. Landscape contractor shall be fully responsible for correcting all negative soil issues prior to plant installation. Killing and removal of all weeds shall be the responsibility of the landscape contractor as part of this task.
 - Landscape contractor to apply pre-emergent herbicide to all planting beds upon completion of planting operations and before application of shredded bark mulch.
 - Install siltation controls prior to commencement of any grading operations. Inspect and maintain all siltation fences on a weekly basis until vegetation is established.

IRRIGATION GUIDELINE SPECS:

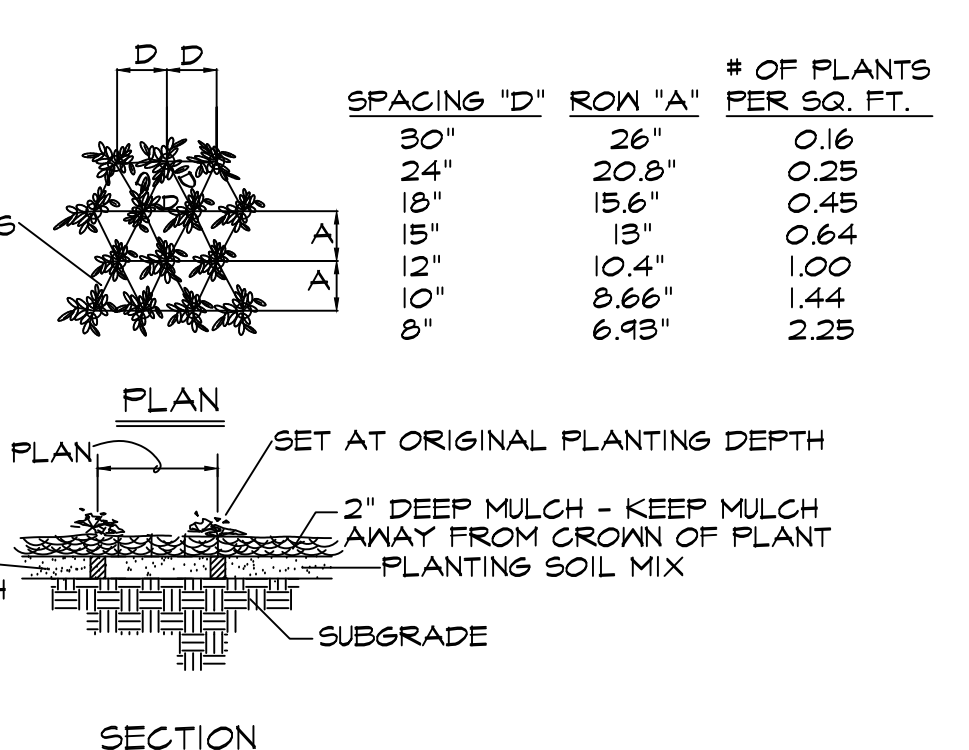
- GENERAL:**
- System shall be designed for 30 gpm @ 80 PSI. Contractor to field verify actual conditions.
 - Exact tap, location and controller location to be coordinated with owner or owner's representative.
 - All control wiring to be 14 ga. Minimum 3 extra strands to be installed in SCH40 PVC when passing under hardscape. PVC Sleeve to be a minimum of twice the size of pipe(s) running through.
 - Underground facilities, structures and utilities must be considered approximate only. There may be others not presently known or shown. It shall be the irrigation contractor's responsibility to determine or verify the existence of and exact location of the above (Call 1-800-DIG-RITE).
 - It shall be the irrigation contractor's responsibility to:
 - Verify all existing and proposed features shown on the drawings prior to commencement of work.
 - Report all discrepancies found with regard to existing conditions or proposed design to the landscape architect immediately for a decision.
 - All landscaped areas shall have installed an automatic, permanent irrigation system - designed to cover all landscape areas. Irrigation shall be design / build.

PLANT_SCHEDULE

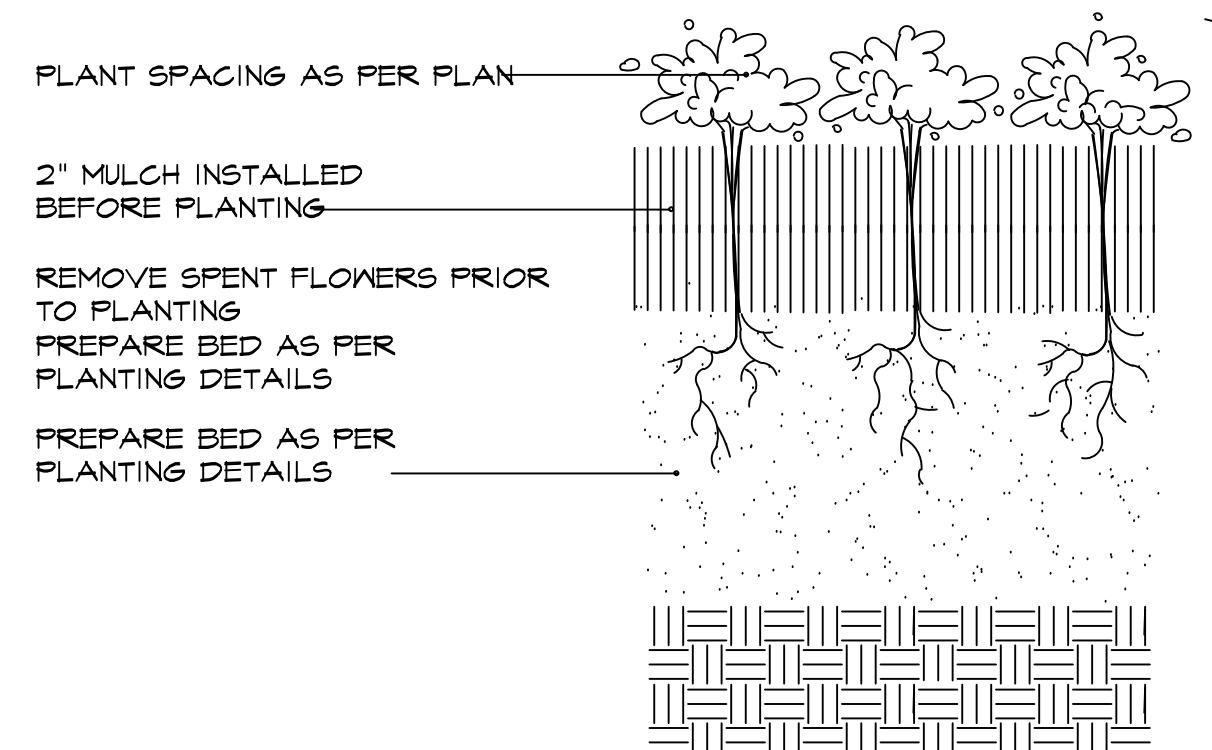
CODE	QTY	COMMON / BOTANICAL NAME	SIZE	MATURE HEIGHT	GROWTH RATE
TREES					
AY	4	AMERICAN YELLOWWOOD / CLADRASTIS LUTEA	2.5' CAL.	25 - FT. HT.	MEDIUM/FAST
ALE	5	ATHENA LACEBARK ELM / ULMUS PARVIFOLIA 'EMER 1'	2.5' CAL.	40 - 65FT. HT.	MEDIUM
HACK	3	COMMON HACKBERRY / ZELTIS OCCIDENTALIS	2.5' CAL.	40 - 65FT. HT.	SLOW
GSM	6	GREEN MOUNTAIN SUGAR MAPLE / ACER SACCHARUM 'GREEN MOUNTAIN'	2.5' CAL.	40 - 65FT. HT.	FAST
GVZ	2	GREEN VASE ZELKOVA / ZELKOVA SERRATA 'GREEN VASE'	2.5' CAL.	40 - 65FT. HT.	SLOW/MEDIUM
GL	3	GREENSPIRE LITTLELEAF LINDEN / TILIA CORDATA 'GREENSPIRE'	2.5' CAL.	30 - 50FT. HT.	SLOW/MEDIUM
SAO	3	SANTOOTH OAK / QUERCUS ACUTISERRA	2.5' CAL.	40 - 65FT. HT.	MEDIUM
SO	4	SINGLE OAK / QUERCUS IMBRICARIA	2.5' CAL.	3 - 50FT. HT.	MEDIUM/FAST
SRO	6	SHUMARD RED OAK / QUERCUS SHUMARDII	2.5' CAL.	40 - 65FT. HT.	MEDIUM
SNO	3	SWAMP WHITE OAK / QUERCUS BIGLOR	2.5' CAL.	3 - 50FT. HT.	MEDIUM
AIFRM	1	AUTUMN FLAME MAPLE / ACER RUBRUM 'AUTUMN FLAME'	2.5' CAL.	40 - 65FT. HT.	FAST
OGRM	5	OCTOBER GLORY MAPLE / ACER RUBRUM 'OCTOBER GLORY'	2.5' CAL.	40 - 65FT. HT.	FAST
SHL	5	SKYLINE LOCUST / GLLEDITSIA TRIACANTHOS 'SKYLINE'	2.5' CAL.	25 - FT. HT.	FAST
EVERGREEN TREES					
CBS	4	COLORADO BLUE SPRUCE / PICEA PUNGENS 'GLAUCA'	6'-7'	40 - 65FT. HT.	MEDIUM
GGA	3	GREEN GIANT ARBORVITAE / THUJA PLICATA 'GREEN GIANT'	6'-7'	30 - 50FT. HT.	FAST
NS	4	NORWAY SPRUCE / PICEA ABIES	6'-7'	40 - 65FT. HT.	MEDIUM
FLOWERING TREES					
JTL	1	IVORY SILK JAPANESE TREE LILAC / SYRINGA RETICULATA 'IVORY SILK'	2.5' CAL.	15 - 25FT. HT.	MEDIUM
KC	3	KWANZAN CHERRY / PRUNUS SERRULATA 'KWANZAN'	2.5' CAL.	25 - 35FT. HT.	MEDIUM
PFPD	1	PRAIRIE PINK FLOWERING DOGWOOD / CORNUS FLORIDA 'PRAIRIE PINK'	2.5' CAL.	15 - 20FT. HT.	SLOW/MEDIUM
RB	3	REDBUD / CERCIIS CANADENSIS	2.5' CAL.	15 - 25FT. HT.	MEDIUM
SMA	3	SAUCEUR MAGNOLIA / MAGNOLIA X SOULANGIANA	2.5' CAL.	15 - 25FT. HT.	SLOW/MEDIUM
SHRUBS					
ALV	10	ALLEGHANY LEATHERLEAF VIBURNUM / VIBURNUM RHYTIDOPHYLLUM 'ALLEGHANY'	24"-30"		
ASUN	10	AUTUMN SUNBURST AZALEA / AZALEA X ROBLETT TM	5 GAL.		
SE	17	BABY KIM DWARF LILAC / SYRINGA X 'SMNSDTP'	5 GAL.		
EY	11	EVERLOW YEW / TAXUS X MEDIA 'EVERLOW'	5 GAL.		
FMS	3	FIZZY MIZZY SWEETSPIRE / ITEA VIRGINICA 'SMNIVMM'	5 GAL.		
GVV	11	GREEN VELVET BOXWOOD / BUXUS 'GREEN VELVET'	5 GAL.		
RCA	15	ROSE CREEK ABELIA / ABELIA X GRANDIFLORA 'ROSE CREEK'	5 GAL.		
SGJ	11	SEA GREEN JUNIPER / JUNIPERUS CHINENSIS 'SEA GREEN'	5 GAL.		
SWN	4	SUMMER WINE NINEBARK / PHYSOCARPUS OPUULIFOLIUS 'SUMMER WINE'	5 GAL.		
FORBS					
CI	317	COPPER IRIS / IRIS FULVA 'LOUISIANA'	2 QT. @ 18" OC		
GAX	189	GOLDEN ALEXANDER / ZIZIA AUREA	2 QT. @ 18" OC		
ROSEM	176	ROSE MALLOW / HIBISCUS LAEVIS	1 GAL @ 30" OC		
SGRM	324	SWAMP MILKWEED / ASCLEPIAS INCARNATA	2 QT. @ 24" OC		
GRASSES					
MG	4	MAIDEN GRASS / MISCANTHUS SINENSIS 'GRACILLIMUS'	5 GAL.		
ANNUALS/PERENNIALS					
CCB	21	CARAMEL CORAL BELLS / HEUCHERA X 'CAMEL'	2 QT		
YL	24	VARIEGATED LIRIOPE / LIRIOPE MUSCARI 'VARIEGATA'	1 GAL		
SYMBOL QTY COMMON / BOTANICAL NAME SIZE					
NATIVE GRASSES					
BFS	519	BROWN FOX SEDGE / CAREX VULPINOIDEA	PLUG AT 18" OC		
GSE	762	GREAT GREEN BULRUSH / SCIRPUS ATROVIRENS	PLUG AT 18" OC		
MS	701	MORNING STAR SEDGE / CAREX GRAYI	PLUG AT 18" OC		
PS	303	PALM SEDGE / CAREX MUSKINGUMENSIS	PLUG AT 18" OC		
E = EVERGREEN D = DECIDUOUS					



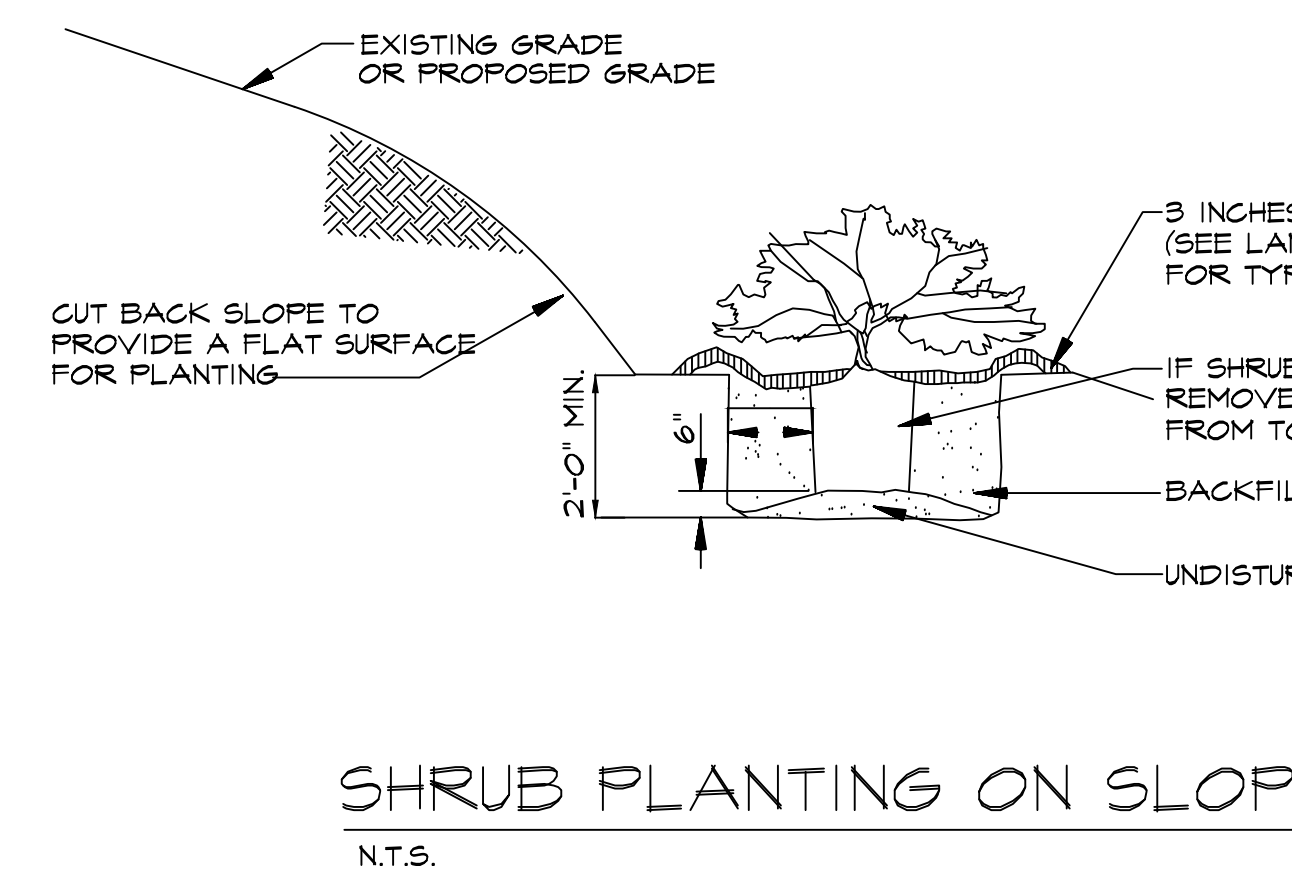
SPADE-CUT EDGE DETAIL
N.T.S.



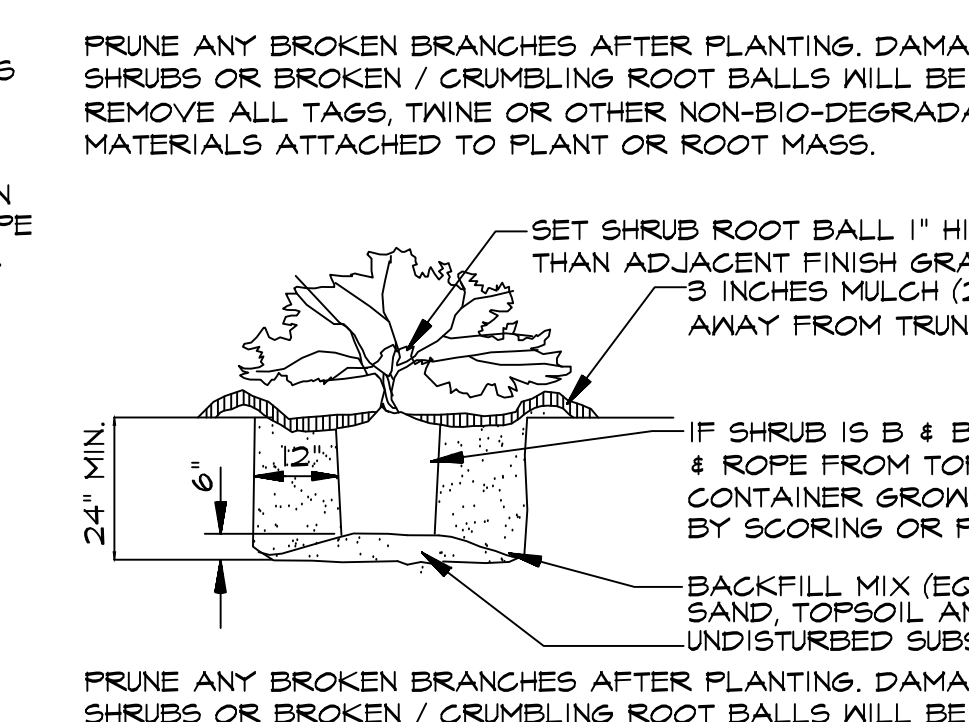
FORB/GRASS PLANTING DETAIL
N.T.S.



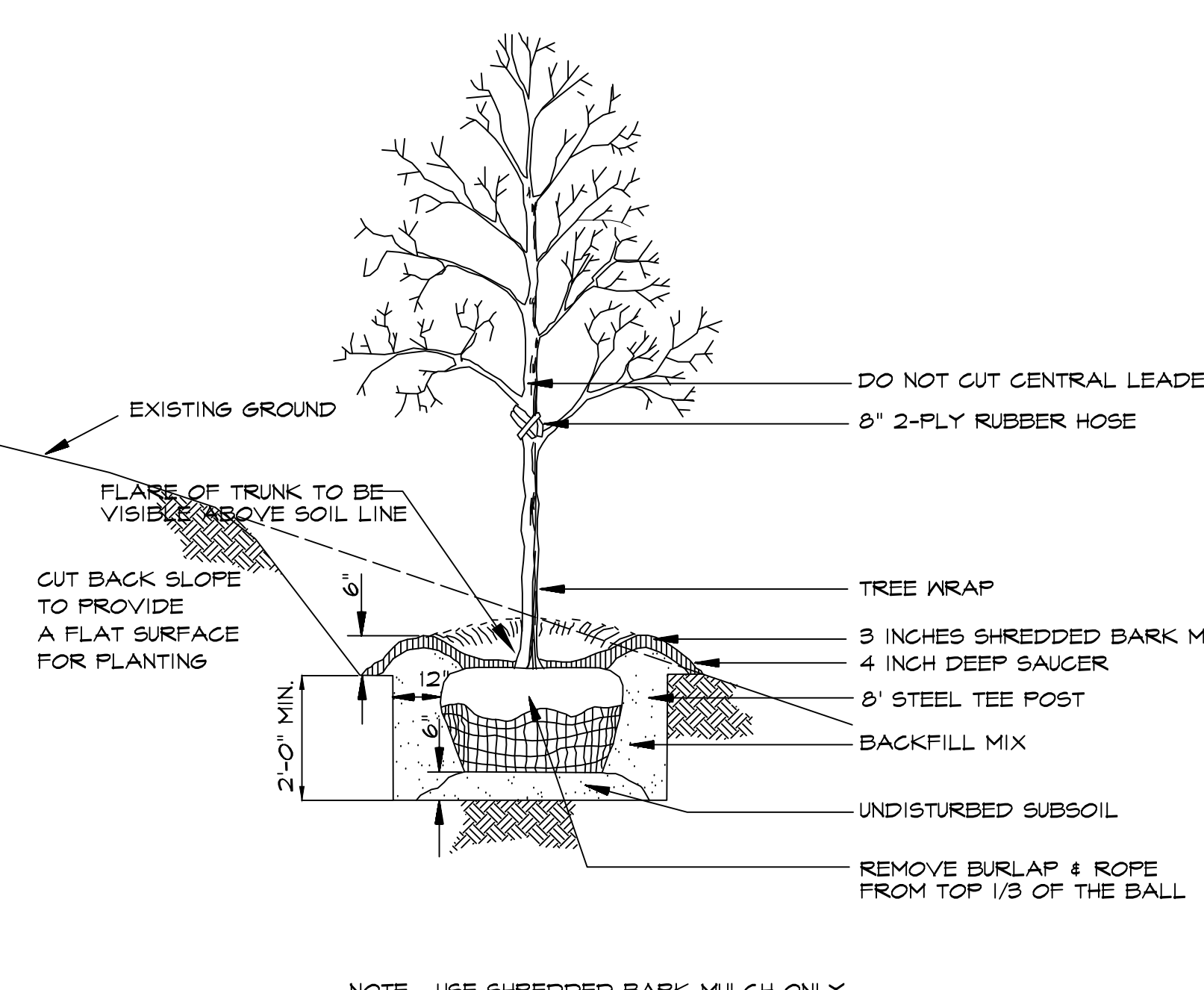
PERENNIAL / ANNUAL PLANTING
N.T.S.



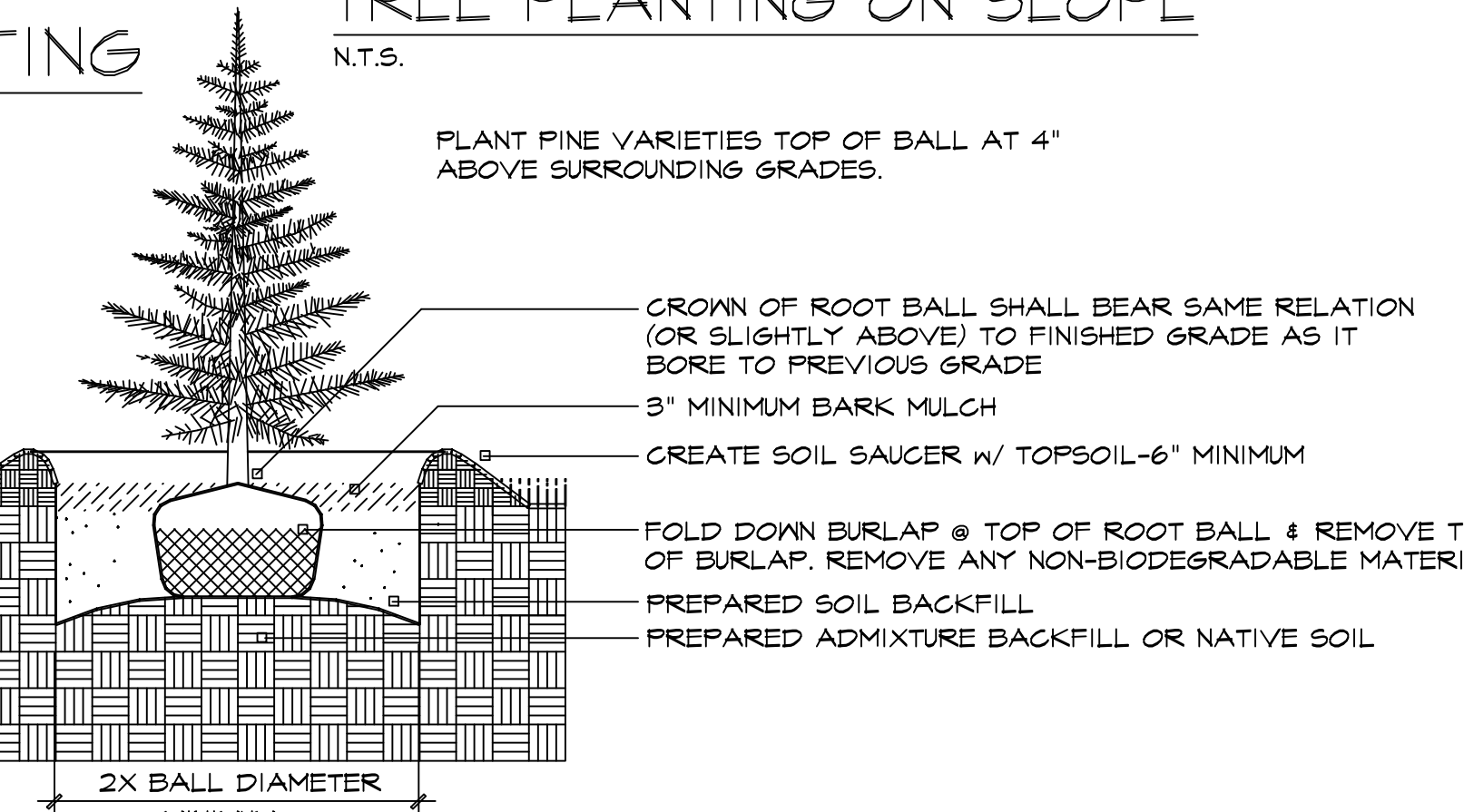
SHRUB PLANTING ON SLOPE
N.T.S.



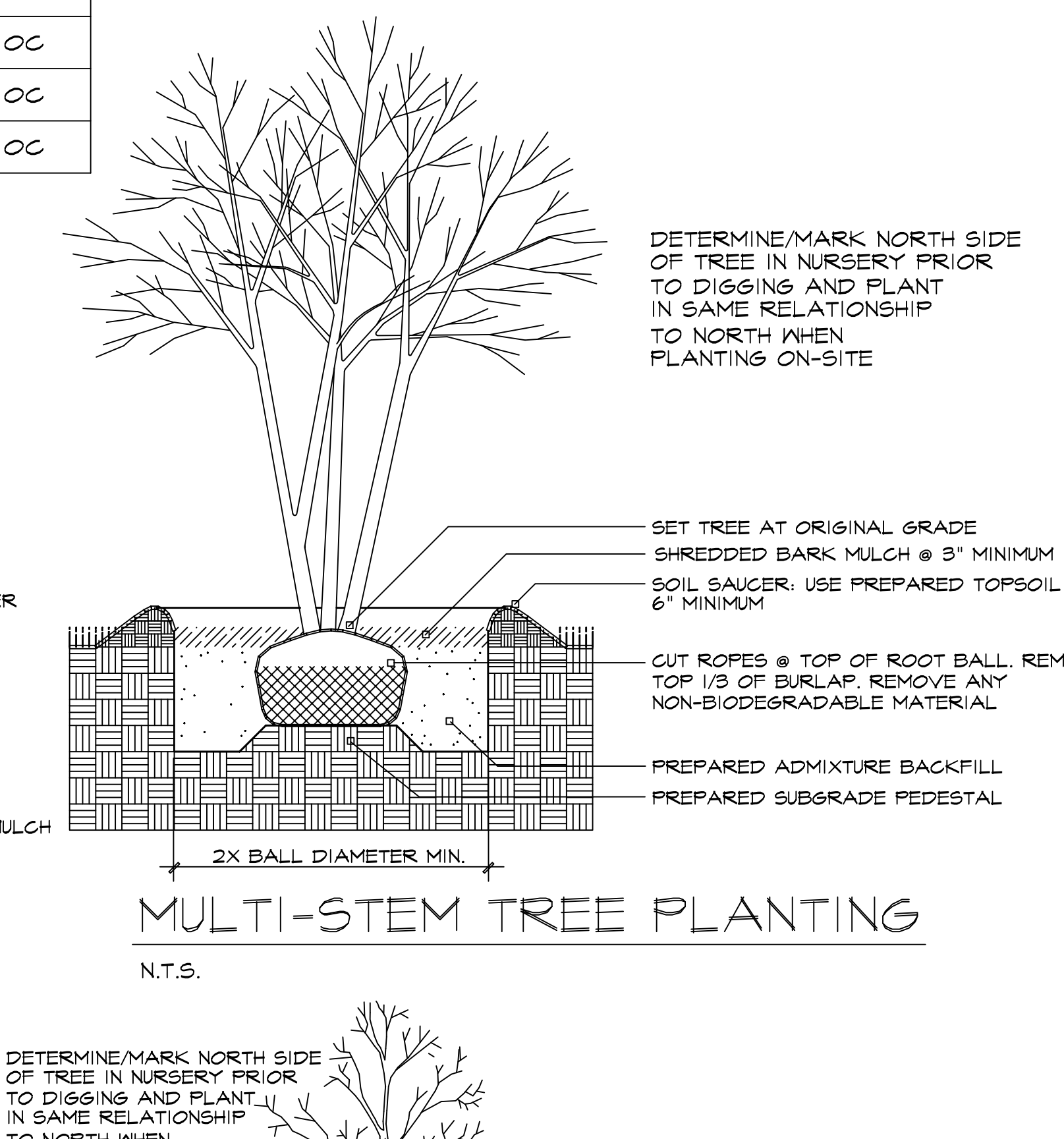
SHRUB PLANTING
N.T.S.



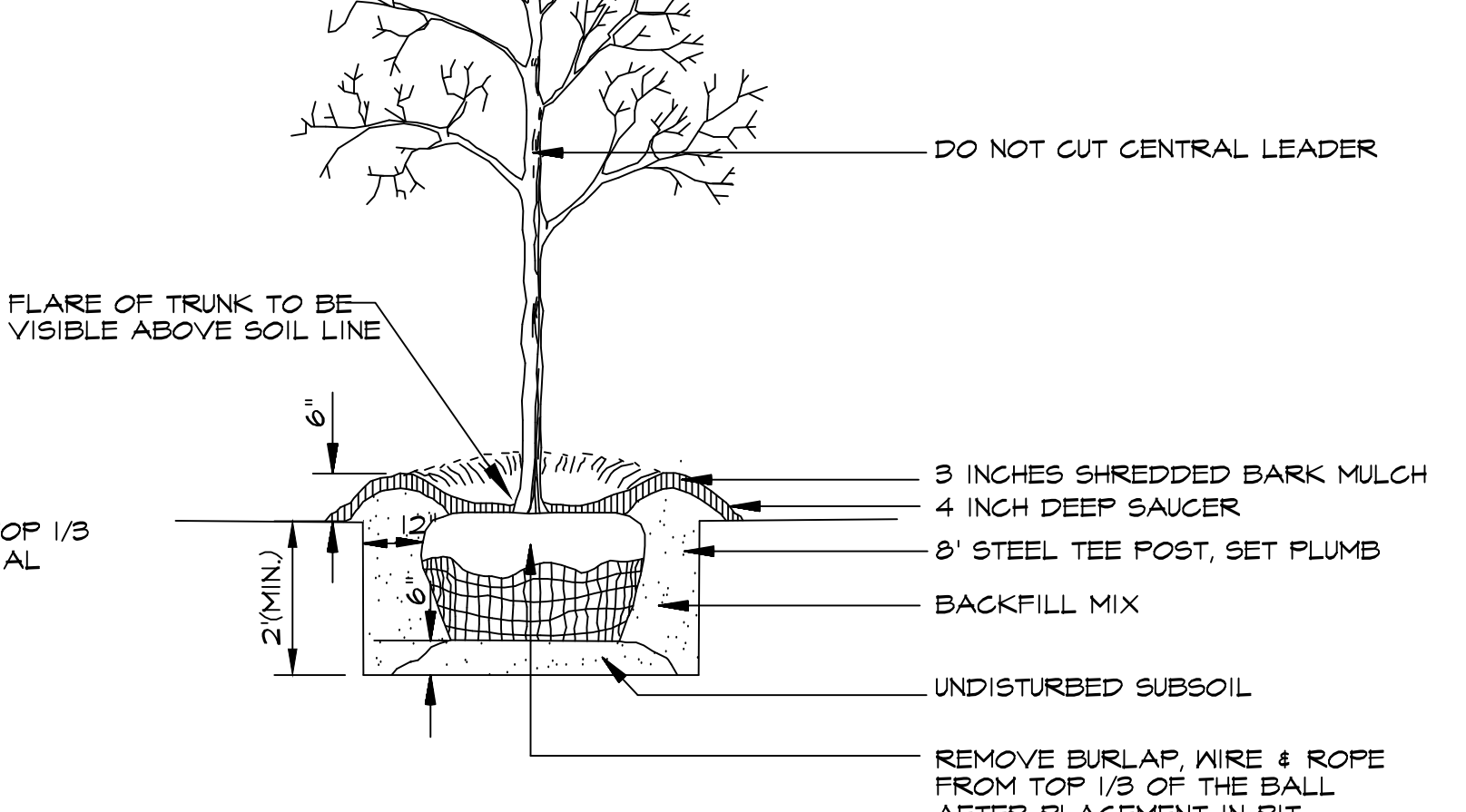
TREE PLANTING ON SLOPE
N.T.S.



EVERGREEN TREE PLANTING
N.T.S.



MULTI-STEM TREE PLANTING
N.T.S.



DECIDUOUS TREE PLANTING
N.T.S.

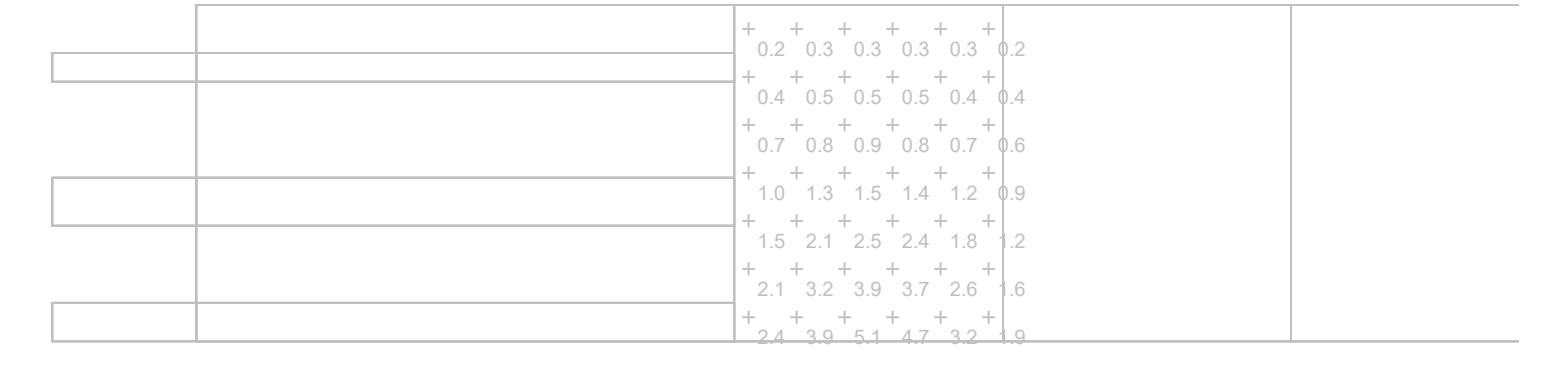
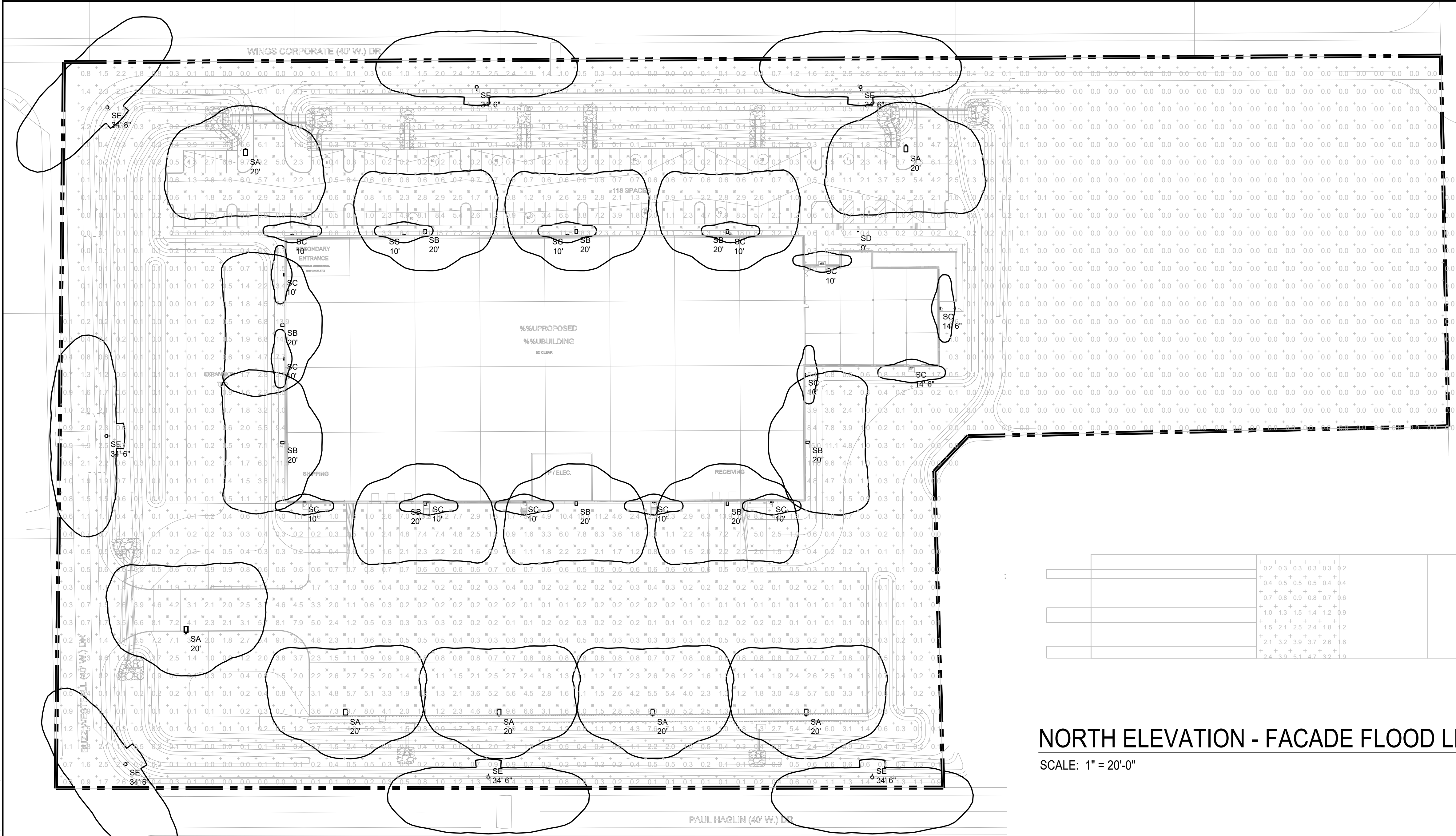
REVISIONS	BY
4/26/2025	RAM

LANDSCAPE TECHNOLOGIES
77 Jacobs Creek Drive
St. Louis, MO 63105
(636) 428-1180
MO Landscape Architecture Corporation #300000028

REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT #0000018
DATE: 12/28/2025

PLANTING PLAN FOR THE PROPOSED
PierTech @ Wings Corporate
18326 WINGS CORPORATE DR. CHESTERFIELD, MISSOURI 63005

DRAWN: R. WARDIS
CHECKED: R.M./S.B.
DATE: 8/26/2025
SCALE: N.A.
JOB No: 2025-124
SHEET: L-2
OF TWO SHEETS



NORTH ELEVATION - FACADE FLOOD LIGHT
SCALE: 1" = 20'-0"

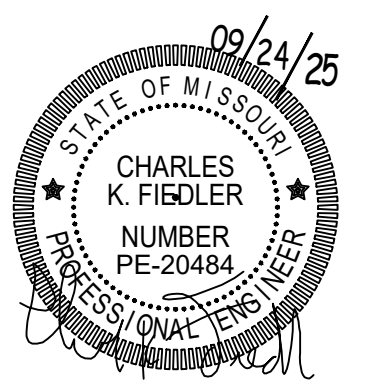
SITE PHOTOMETRIC PLAN
SCALE: 1" = 50'-0"

Schedule											
Symbol	Label	Image	QTY	Manufacturer	Catalog	Description	Number Lamps	Lamp Output	LLF	Input Power	Polar Plot
SA			7	WISDOM OPTOELECTRONICS TECHNOLOGY CO., LIMITED	WSD-AL12182430W-27-345K-D-T4-A	SINGLE HEAD SHDEBOX FIXTURE	1	31814	0.95	191.25	
SB			9	WISDOM OPTOELECTRONICS TECHNOLOGY CO., LIMITED	WSD-AL12182430W-27-345K-D-T4-A	SINGLE HEAD SHDEBOX FIXTURE	1	31814	0.95	191.25	
SC			15	MULE LIGHTING, INC.	MERU-AC	Outdoor Wall Pack Fixture - Man Door	1	1581	0.95	23	
SD			1	RAB Lighting Inc.	X17-XFU-25	X17 ULTRA-ECONOMY FLOODLIGHT	1	3855	0.95	24.36	
SE			7	ARCHITECTURAL AREA LIGHTING	UCL2-ANG-72L-700-3K7-2-CL	UNIVERSE COLLECTION LARGE 2.0	1	14548	0.95	160.4	

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
NORTH ELEVATION SIGN AREA	+	1.6 fc	5.1 fc	0.2 fc	25.5:1	8.0:1
Norther Parking Lot Area	X	2.3 fc	18.3 fc	0.1 fc	183.0:1	23.0:1
SITE AREA	+	1.0 fc	18.3 fc	0.0 fc	N/A	N/A
Southern Parking Lot Area	X	1.9 fc	16.2 fc	0.1 fc	162.0:1	19.0:1

THE PHOTOMETRIC INFORMATION SHOWN ON THIS DRAWING ARE A PRODUCT OF A NUMERIC PROGRAM THEY ARE MEANT AS A REPRESENTATION OF ANTICIPATED LIGHT LEVELS BASED ON ASSUMED PARAMETERS AND CONDITIONS. THE ACTUAL RESULTS WILL VARY AND NO GUARANTIES ARE INTENDED OR IMPLIED IN THIS REPRESENTATION

THE SEALS AND SIGNATURE(S) APPLY ONLY TO THE DOCUMENT TO WHICH THEY ARE AFFIXED FOR ELECTRICAL DESIGN ONLY AND EXPRESSLY DISCLAIM ANY RESPONSIBILITY FOR ALL OTHER PLANS, SPECIFICATIONS, ESTIMATES, REPORTS OR OTHER DOCUMENTS AND INSTRUMENTS RELATING TO OR INTENDED TO BE USED FOR ANY PART OF THE ARCHITECTURAL OR ENGINEERING PROJECT.

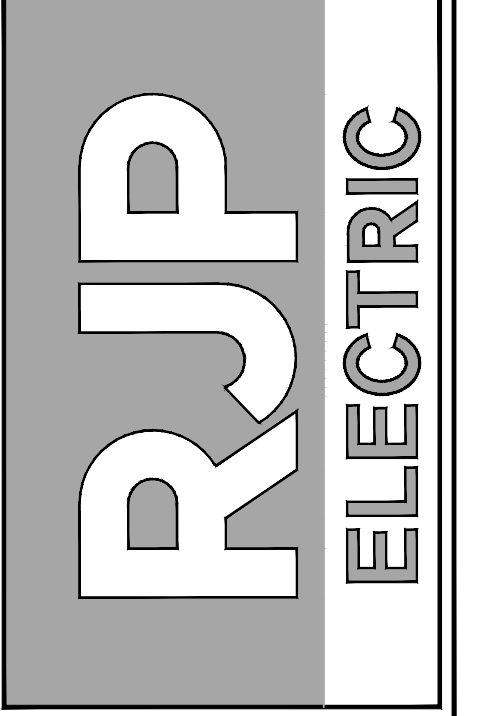


Rev.	Description	Date	By
0	CITY PERMIT REVIEW SET	09/24/2025	TDL

New Building For:

Piortech
18334 Wings Corporate Dr
Chesterfield, MO 63005

10 Sunnen Drive
Suite 125
St. Louis, MO 63143
Office: 314.781.2400
Fax: 314.781.4720
www.rjpelectric.com



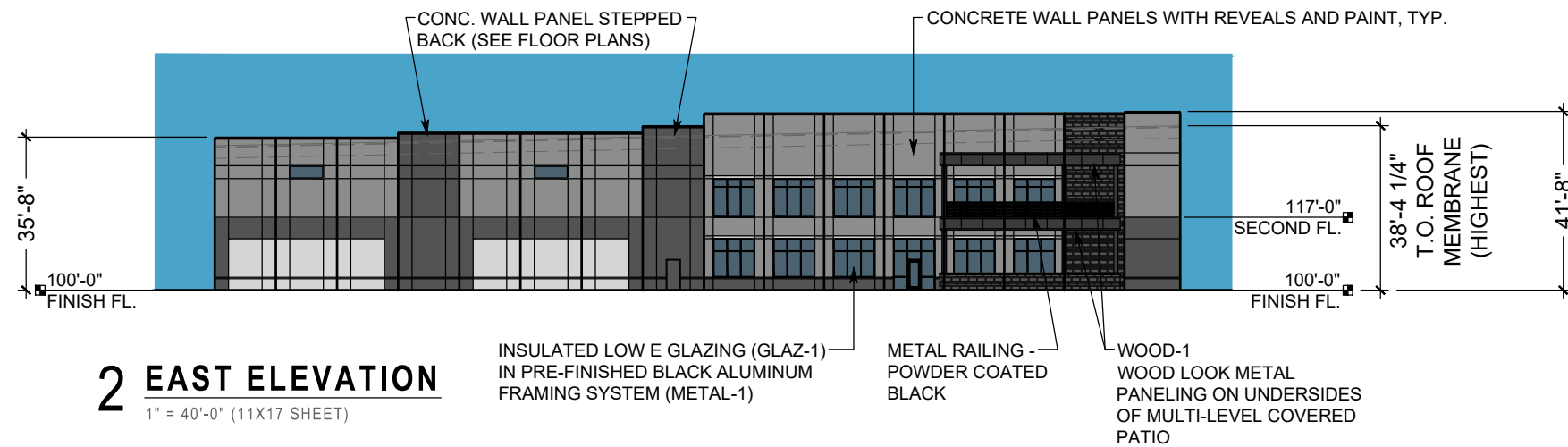
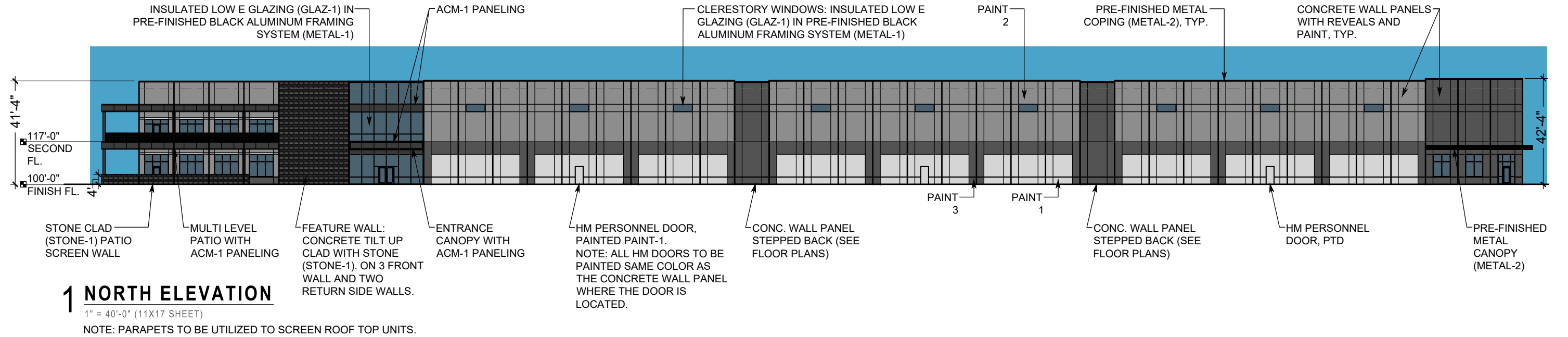
SHEET NO.
LC-1

PIERTECH SYSTEMS | ARCHITECTURAL DESIGN SUBMISSION

UPDATED ON: 09.24.2025

GMA JOB NUMBER: GA1774

PART 1 | ELEVATIONS



MATERIAL LEGEND

PAINT FOR CONCRETE WALL PANELS:
PAINT-1 SW 7066 GRAY MATTERS
PAINT-2 SW7067 CITYSCAPE
PAINT-3 SW7069 IRON ORE

GLAZING AND FRAMES:
GLAZ-1 SOLARBAN 60 (2) SOLARGRAY

METAL-1 BLACK ANODIZED THERMALLY BROKEN FRAMES FOR GLAZING

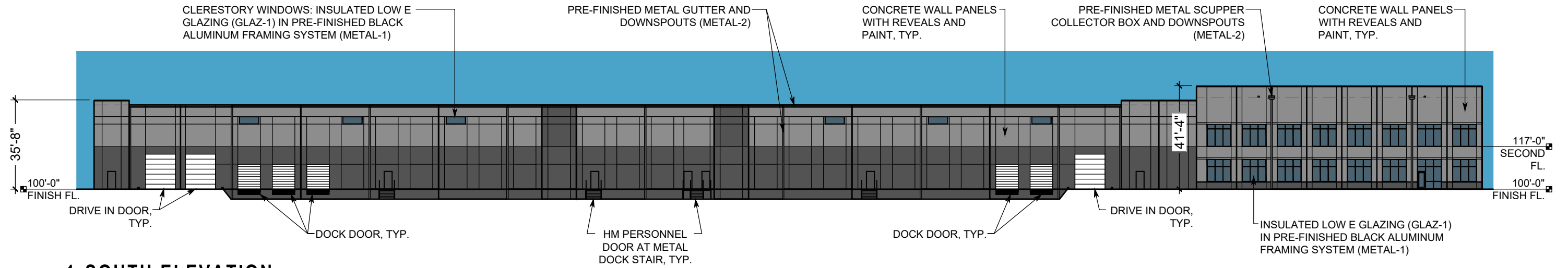
OTHER MATERIALS / PRE-FINISHED METALS / ACM:
METAL-2 MATTE BLACK SHEET METAL (NW CANOPY, ALL COPING, GUTTER, DOWNSPOUTS)

WOOD-1 LUX WOOD LOOK METAL PANELING - CLASSIC CHERRY (UNDER SOFFIT)

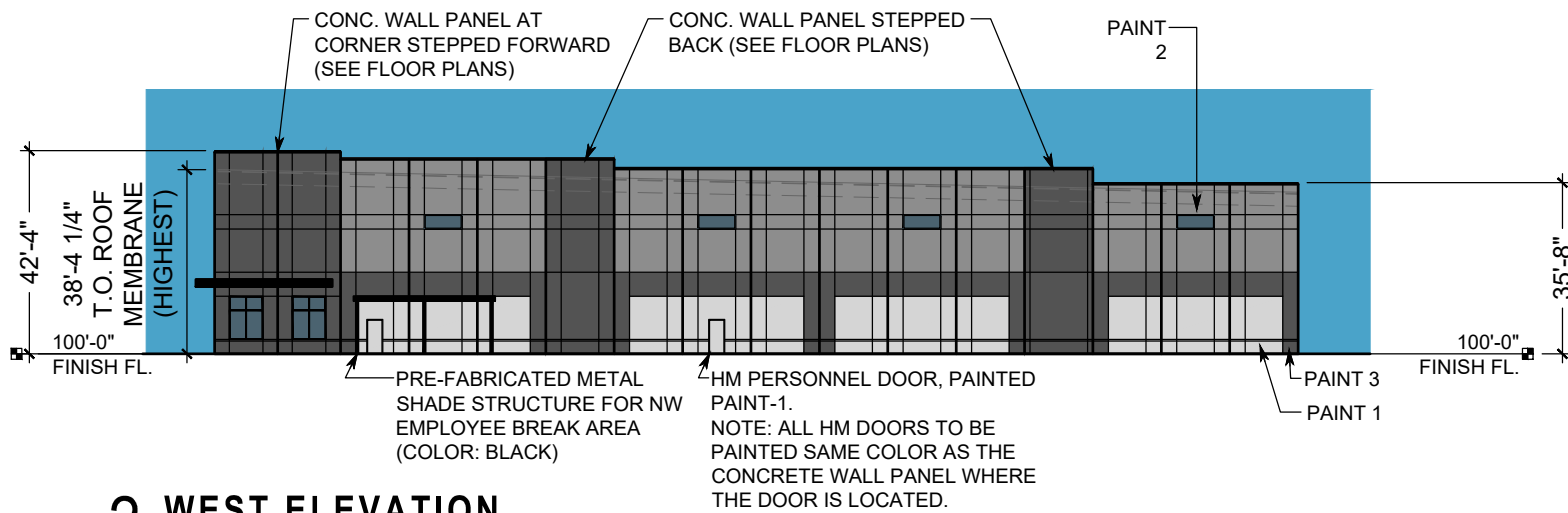
ACM-1 ALUCOBOND - GRAPHITE MICA

OTHER MATERIALS / STONE LOOK CLADDING:
STONE-1 CAST STONE THIN VENEER, COLOR: BLACK STAR, FINISH: POLISHED





1 SOUTH ELEVATION
1" = 40'-0" (11X17 SHEET)



2 WEST ELEVATION
1" = 40'-0" (11X17 SHEET)

MATERIAL LEGEND

PAINT FOR CONCRETE WALL PANELS:
PAINT-1 SW 7066 GRAY MATTERS
PAINT-2 SW7067 CITYSCAPE
PAINT-3 SW7069 IRON ORE

GLAZING AND FRAMES:
GLAZ-1 SOLARBAN 60 (2) SOLARGRAY

METAL-1 BLACK ANODIZED THERMALLY BROKEN FRAMES FOR GLAZING

OTHER MATERIALS / PRE-FINISHED METALS / ACM:
METAL-2 MATTE BLACK SHEET METAL (NW CANOPY, ALL COPING, GUTTER, DOWNSPOUTS)

WOOD-1 LUX WOOD LOOK METAL PANELING - CLASSIC CHERRY (UNDER SOFFIT)

ACM-1 ALUCOBOND - GRAPHITE MICA

OTHER MATERIALS / STONE LOOK CLADDING:
STONE-1 CAST STONE THIN VENEER, COLOR: BLACK STAR, FINISH: POLISHED



PART 2 | RENDERINGS



AERIAL VIEW FROM NORTHEAST – OFFICE TO LEFT, MANU. TO RIGHT

NOTE: NOT ALL LANDSCAPING SHOWN TO HAVE CLEAR VIEW OF PROPOSED BUILDING



NORTH SIDE - STREET LEVEL VIEW

NOTE: NOT ALL LANDSCAPING SHOWN TO HAVE CLEAR VIEW OF PROPOSED BUILDING



NORTH SIDE

NOTE: NOT ALL LANDSCAPING SHOWN TO HAVE CLEAR VIEW OF PROPOSED BUILDING



NORTHEAST SIDE SHOWING BALCONY WITH PATIO BELOW

NOTE: NOT ALL LANDSCAPING SHOWN TO HAVE CLEAR VIEW OF PROPOSED BUILDING



NORTHEAST SIDE SHOWING STONE CLAD WALL AND MAIN ENTRY

NOTE: NOT ALL LANDSCAPING SHOWN TO HAVE CLEAR VIEW OF PROPOSED BUILDING



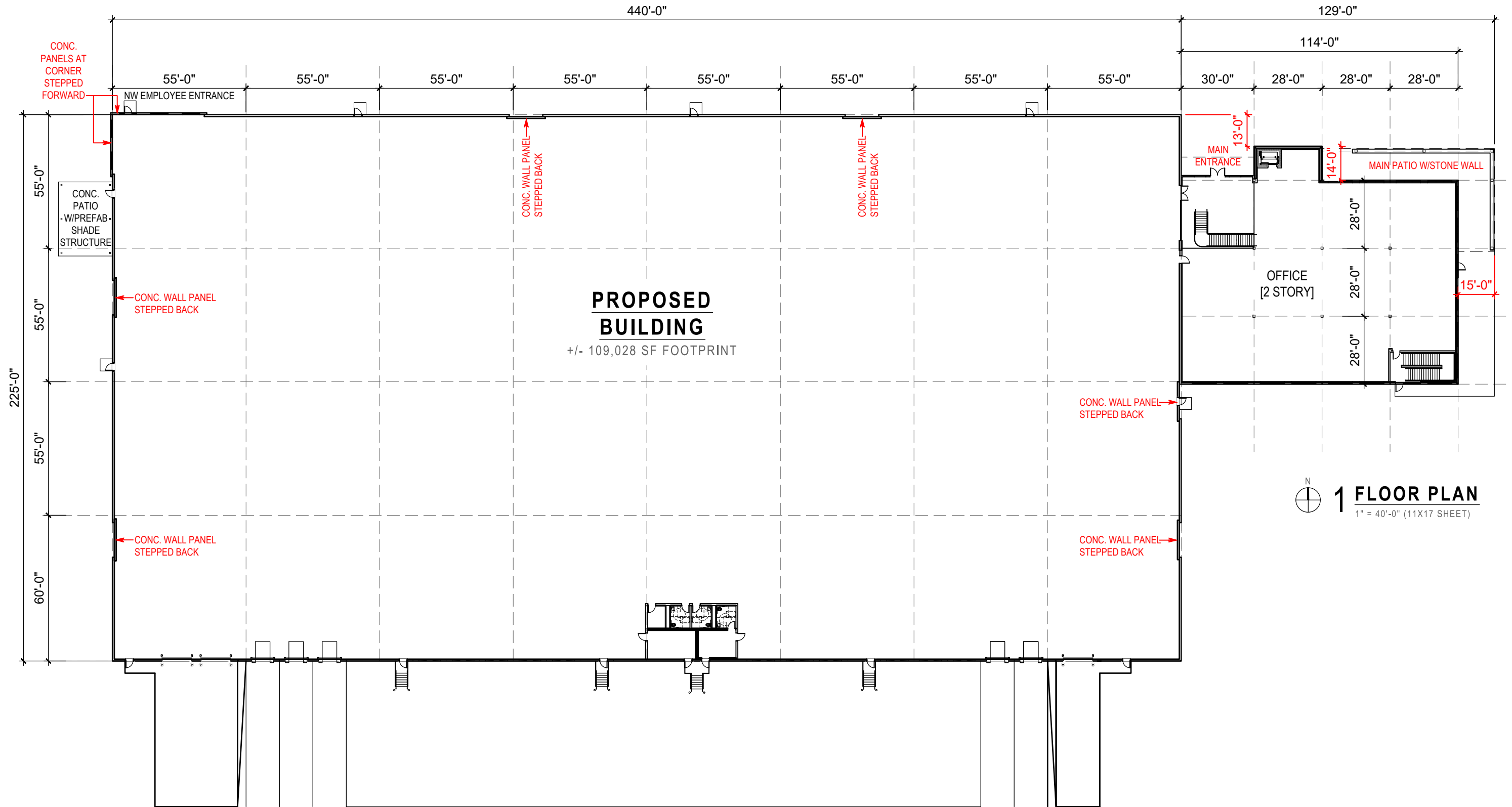
NORTHEAST SIDE SHOWING STONE CLAD WALL AND MAIN ENTRY – SIDE VIEW

NOTE: NOT ALL LANDSCAPING SHOWN TO HAVE CLEAR VIEW OF PROPOSED BUILDING



AERIAL VIEW FROM NORTHWEST

PART 3 | PLANS SHOWING BUILDING OFFSETS



PART 4 | ADJACENT SITES





ADJACENT BUILDING #1



ADJACENT BUILDING #2



ADJACENT BUILDING #3



ADJACENT BUILDING #4

PART 5 | STATEMENT OF DESIGN

Architect's Statement of Design

New Headquarters Facility for PierTech Systems

Introduction

PierTech Systems is a recognized leader in the design and manufacture of helical piers, high-capacity piles, anchors, and specialized foundation equipment. With more than two decades of experience, the company has earned a reputation for engineering innovation, reliability, and cost-effective solutions that serve residential, commercial, industrial, and utility markets nationwide.

The new headquarters facility reflects PierTech's commitment to excellence, combining executive and administrative functions with state-of-the-art manufacturing and storage operations. Designed to embody the company's values of strength, precision, and forward-thinking innovation, the building provides both a modern workplace and an enduring symbol of the PierTech brand.

PART A | Exterior Building Design

Overall Vision

Fronting Wings Corporate Drive, the building's composition is anchored by a striking two-story glass and steel entry element. This dramatic central feature creates a strong architectural identity, while seamlessly connecting the two-story office wing with the single-story manufacturing and storage areas. Durable concrete walls, articulated with architectural reveals and finished in a sophisticated three-tone gray palette, lend modernity to the overall design.

The Office Structure

Approaching the main entrance, employees and visitors are greeted by a thoughtfully landscaped entry plaza, featuring a tranquil water element that sets the tone for arrival. The entry canopy and balcony are clad in refined, low-gloss aluminum composite panels, contrasted by warm wood-look detailing beneath. Windows with Low-E tinted glazing wrap around the office area, ensuring abundant natural light and exterior views across all sides.

A stone-clad wall to the left of the main entry creates a distinguished location for corporate signage, reinforcing PierTech's brand presence. Adjacent, a coordinated stone patio wall defines the outdoor patio, balancing openness with a sense of privacy.

The Manufacturing & Storage Structure

The design of the manufacturing area emphasizes efficiency and function while maintaining architectural refinement. Clerestory windows introduce controlled daylight into the space, while accent lighting and a corner-wrapping canopy provide depth and articulation. Landscaped plantings and varied tree species, as detailed in the Landscape Plan, soften the façade and contrast elegantly with the building's neutral grey tones.

PART B | Site Design

Circulation & Approach

A continuous sidewalk along the front façade ensures safe and efficient pedestrian movement between the parking areas, the northwest employee entrance, and the main entry plaza. This central plaza creates a welcoming forecourt, orienting visitors toward the building's primary entrance.

Landscape & Views

The eastern portion of the site is reserved as an open, landscaped green space, offering unobstructed views toward the airport runway.

Screening & Integration

Dock areas are partially screened with layered landscape plantings facing Paul Haglin Drive, softening the building's utilitarian functions while preserving overall site coherence.

Parapets are integrated throughout the design to discreetly screen rooftop equipment, ensuring a clean architectural profile from Wings Corporate Drive.

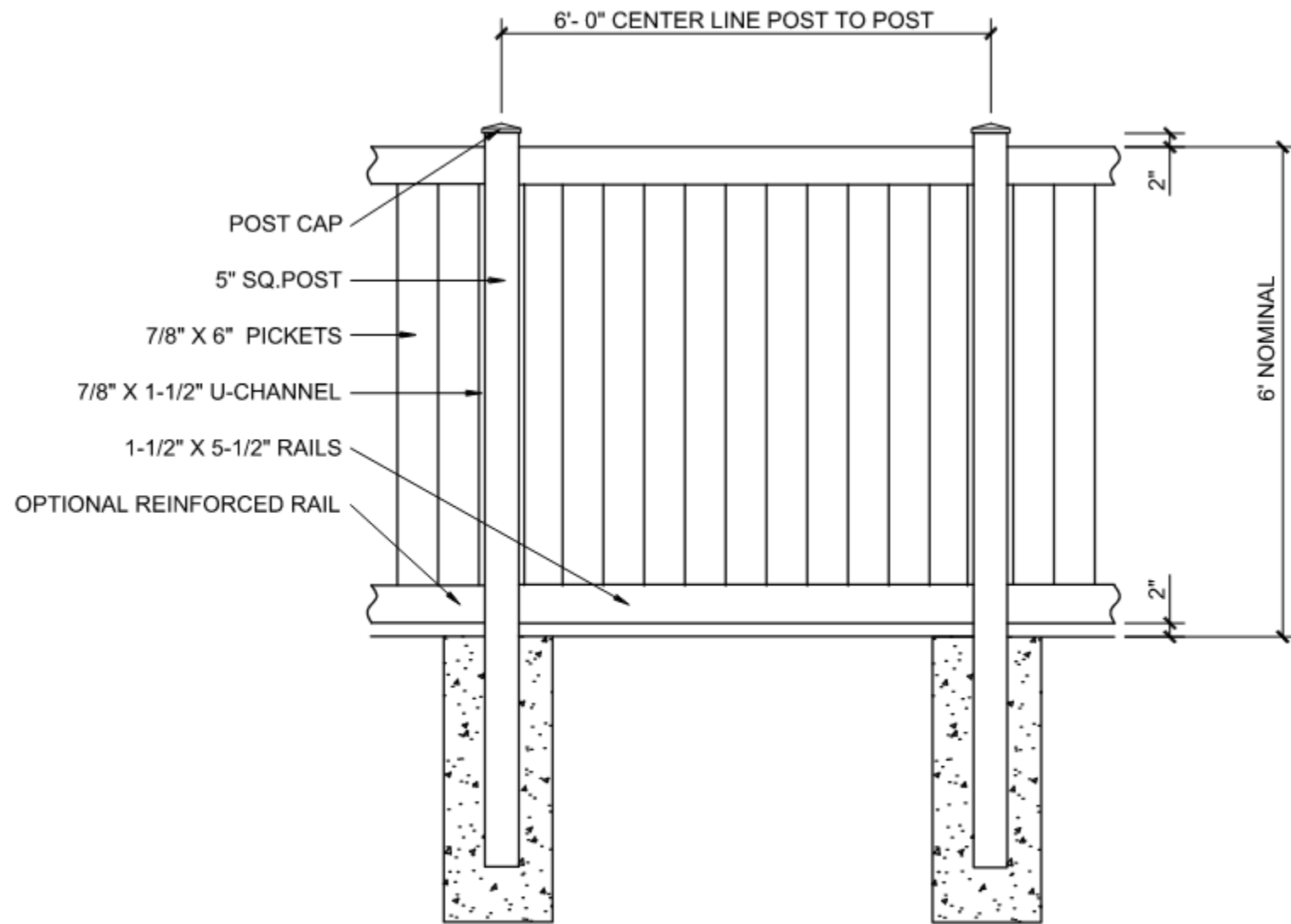
PART C | Signage & Lighting

Signage: All signage will be addressed through a separate submittal.

Lighting: Exterior and site lighting will also be submitted separately.

PART 6 | FENCING

6' Tall Vinyl Privacy Fence, Color: Grey



EverGuard® Estate Privacy
6' Nominal Panel - Elevation / Section



GRAY

Thank you!

Piertech

18334 Wings Corporate Dr
Chesterfield, MO 63005

Lighting Submittal

Date: September 24, 2025



10 Sunnen Drive
Suite 125
St. Louis, Missouri 63143
Phone: 314-731-2400
www.rjpelectric.com

Wattages: 60W,90W,120W,150W;120W,180W,240W,300W



The Selectable LED Area Lighting Series can be widely used in Outdoor Settings Excellent for Parking Lots, Pedestrian Walkways, Roadways, Tennis Courts, Basketball Courts, Stadiums, Arenas, Schools, Residential Areas and many other applications.

Lighting controls meet design lights consortium (DLC) networked lighting control system technical requirements, LLLC, Energy Monitoring and High End Trim function.



Features:

- Optical design, greatly improved the light utilization and evenness
- High efficiency LED Driver, voltage AC120-277V/277-480V
- Cast Aluminum design, better cooling, light quality, LED Tj <85°C
- Photocell Control & Motion Sensor (Optional)
- 0-10V dimming (10%-100%) standard
- CCT:3000-5000K
- 5 years manufacturer warranty
- Compatible with most Lutron and Leviton dimmers

Packaging information:

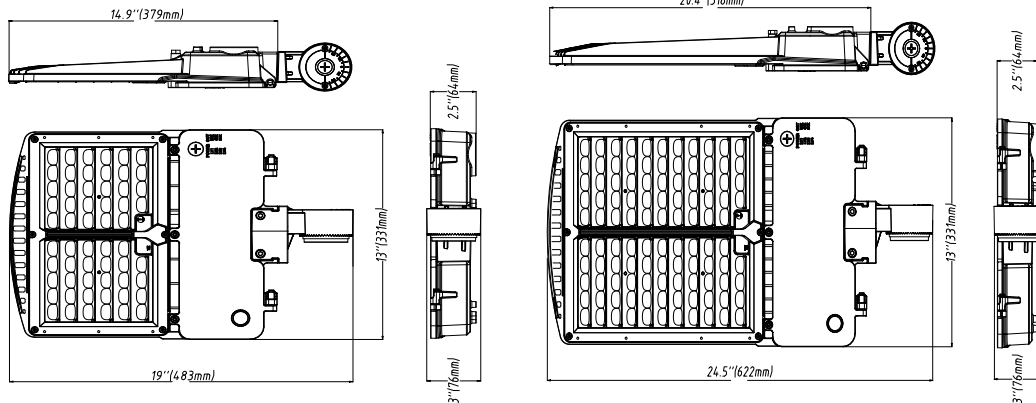
❖ **WSD-AL691215W27-345K-D**
WSD-AL691215W48-345K-D
 530MMX370MMX120MM(1Pcs/CTN)
 (20.87" X14.57" X4.72")

❖ **WSD-AL12182430W27-345K-D**
WSD-AL12182430W48-345K-D
 660MMX370MMX120MM(1Pcs/CTN)
 (25.98" X14.57" X4.72")

SPECIFICATION				
TYPE	WSD-AL691215W27-345K	WSD-AL691215W48-345K	WSD-AL12182430W27-345K	WSD-AL12182430W48-345K
WATTAGE	60W/90W/120W/150W	60W/90W/120W/150W	120W/180W/240W/300W	120W/180W/240W/300W
LUMEN	24239 lm(150W&4000K)	24129 lm(150W&4000K)	49432 lm(300W&4000K)	49231 lm(300W&4000K)
EFFICACY	> 150 lm/W			
CCT	3000K,4000K,5000K			
CRI	> 70			
INPUT VOLTAGE	AC120-277V/277-480V			
LIGHTING ANGLE	120°			
FACTORY SETTINGS	150W & 4000K		300W & 4000K	
LED TYPE	SMD2835			
PF	> 0.98			
DRIVER EFFICIENCY	> 90%			
PROTECTION LEVEL	Wet location			
LIFE TIME	> 75000 hours			
OPERATING TEMPERATURE	-22°F ~ 113°F			
WARRANTY	5 year limited			

Wattages: 60W,90W,120W,150W;120W,180W,240W,300W

DIMENSION:



60-150W

120-300W

SPECIFICATIONS:

Shell materials: Aluminum & PC.
 Net weight : 7.8 lbs (150W)
 11.0 lbs (300W)
 Finish: Dark Bronze(Standard)
 Product Size:
 150W:483X331X64mm
 19"X13"X2.5"
 300W:622X331X64mm
 24.5"X13"X2.5"

MOUNTING OPTIONS:(SOLD SEPARATELY)



WSD-NEWSBARM2-D

Arm Mount Square and Round poles) Standard versatile mounting arm is simple to install and can be used with existing poles for fit installations.

WSD-NEWSBSF2-D

Slipfitter Mount An optional cast aluminum mast arm adapter secures fixture head to nominal 2"(2-3/8"O.D. pipe size) horizontal steel tenon arm.

WSD-AL-T-D

Wall Mount Trunion is easy to install for direct wall mounting with 1/2' conduit wiring mounting.

**WSD-AL-150W-HOOD-D
 WSD-AL-300W-HOOD-D**

Shielding for 60-150W CCT 3000-5000K Area Lights and Shielding for 120-300W CCT 3000-5000K Area Lights.

PHOTOMETRICS:

Type 2:

Type 2 optics produce a symmetrical pattern that evenly shines light on both sides of the lamp. In a back-to-back configuration, it creates a rectangular

Type 3:

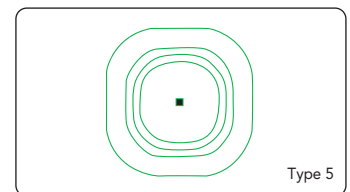
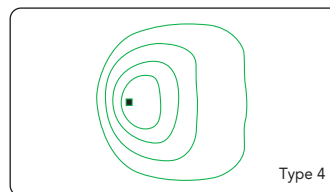
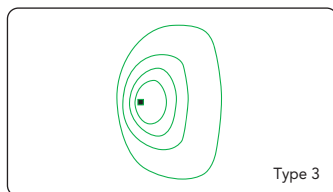
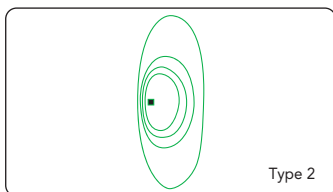
Type 3 optics produce an asymmetrical pattern that directs the majority of the light forward and equally on both sides of the luminaire. In a back-to-back configuration, it creates a rectangular pattern

Type 4:

Type 4 is suitable for applications where light is primarily required forward with minimal backlight. Typical installations include perimeter poles.

Type 5:

Type 5 optics produce a symmetrical square distribution pattern that distributes light equally on all sides of the luminaire. Type 5 luminaires is universal for most area lighting applications



Wattages: 60W,90W,120W,150W;120W,180W,240W,300W

CONTROL MODULE:

Housing
 The one-piece die-cast housing with corrosion-resistant coating protection and the modular design extend the life of the luminaire while making it easy to maintain.

Photometry
 Optional Type II, Type III, Type IV and Type V Photometry as per applications.

Occupancy Sensor
 Optional occupancy sensor allows for security and energy saving.

CCT & POWER Adjustable
 Offer four selectable lumen output (40%/60%/80%/100%), and three selectable CCTs (30K/40K/50K)

POWER SELECTABLE
 LV1
 LV2
 LV3
 LV4

CCT SELECTABLE
 5KK
 4KK
 3KK

EPA OF AREA LIGHT

Item							
60W/90W/120W/150W	0.3632	0.6849	0.8861	0.7264	1.0481	1.2078	1.0481
120W/180W/240W/300W	0.4758	0.8091	1.059	0.9516	1.2849	1.3923	1.2849





PERFORMANCE

SPECIFICATION												
TYPE	WSD-AL691215W27-345K/WSD-AL691215W48-345K											
POWER	60W (TYPEIII)			90W (TYPEIII)			120W (TYPEIII)			150W (TYPEIII)		
CCT	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
LUMENS	10418	10631	10817	15243	15980	15826	18858	20044	19527	22392	24239	23185
EFFICACY	> 160	> 170	> 170	> 160	> 170	> 160	> 150	> 170	> 160	> 140	> 160	> 150

SPECIFICATION												
TYPE	WSD-AL12182430W27-345K/WSD-AL12182430W48-345K											
POWER	120W (TYPEIII)			180W (TYPEIII)			240W (TYPEIII)			300W (TYPEIII)		
CCT	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
LUMENS	21387	22342	22605	30764	33102	32562	37757	41179	39783	44379	49432	46876
EFFICACY	> 170	> 180	> 180	> 160	> 180	> 170	> 150	> 170	> 160	> 140	> 170	> 150

Wattages: 60W,90W,120W,150W;120W,180W,240W,300W

PHOTOCELL & MOTION SENSORS (SOLD SEPARATELY)

	<p>Photocell No. OJ-M715-B Finish: Blue USE: Used for outdoor LED lamps, working with light sensing principle, the OJ-M715-B sensor (OJ-M715-B for 120-277V) is used for Light sensor.</p>		<p>Motion Sensor Remote Controller RC100 Remote Controller (Can only be used for NLC-MW-PT-002)</p>
	<p>NLC-PC-001 Photocell</p>		<p>Bluetooth NLC-BT-MW-GE-001 Bluetooth Microwave Fixture Sensor (GEBC Bluetooth)</p>
	<p>NLC-MW-PT-002 Bi-level microwave Sensor</p>		<p>Bluetooth NLC-BT-MW-SR-001 Bluetooth Microwave Fixture Sensor (Silvair Bluetooth)</p>
			

ORDERING INFORMATION:

EXAMPLE: WSD-AL691215W27-345K-Z[D,W,B,S]-TN-U[S,A,T]-Y[Blank,P]-E[Blank,M]

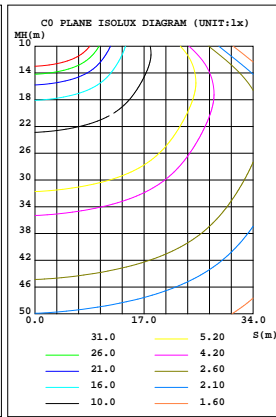
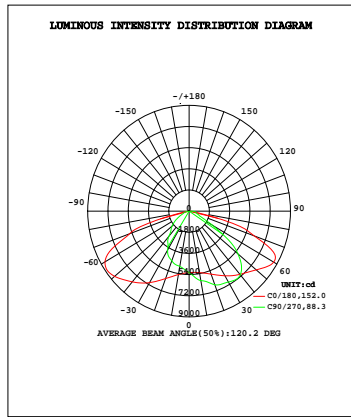
WSD	AL	691215	27	345K	Z	TN	U	Y	E
COMPANY	PRODUCT	POWER	VOLTAGE	CCT	FINISH	LIGHT ANGLE	MOUNLIGHT	CONTROL	CONTROL
WSD - (WSD LED INC)	AL LED Area Light	691215 (60W/90W/120W/150W) 12182430 (120W/180W/240W/300W)	27 AC120-277V 48 AC277-480V	345 4000K/4000K /5000K	D (Dark Bronze) W (White) B (Black) S (Silvery)	T2 (Type II) T3 (Type III) T4 (Type IV) T5 (Type V)	S (Slip fitter) T (Trunnion) A (Arm)	P Photocell	M Motion Sensor

Wattages: 60W,90W,120W,150W;120W,180W,240W,300W

PHOTOMETRICS:

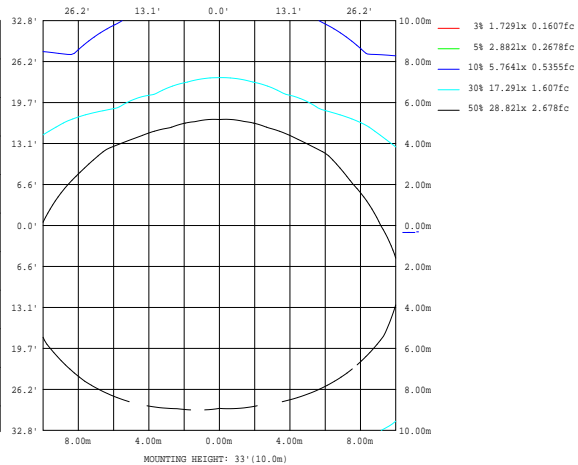
For complete IES files, please visit our website.

WSD-AL691215W27-345K-D (150W,4000K,TypeIII)

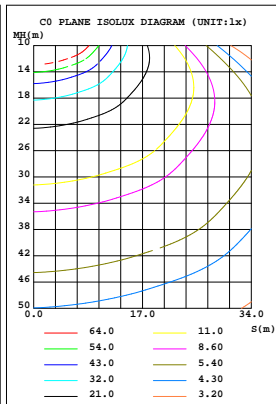
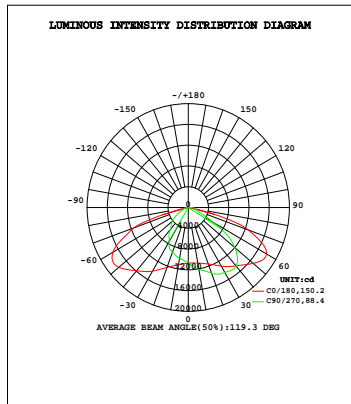


Flux out:14509 lm

Height	Flux,lmmax	Angle:102.28deg	Diameter
1m	2819,5765lx		248.22cm
2m	704.7,1441lx		496.45cm
3m	313.2,640.6lx		744.67cm
4m	176.2,360.3lx		992.89cm
5m	112.8,230.6lx		1241.13cm
6m	78.31,160.2lx		1489.34cm
7m	57.53,117.7lx		1737.56cm
8m	44.05,90.08lx		1985.78cm
9m	34.80,71.18lx		2234.01cm
10m	28.19,57.65lx		2482.23cm

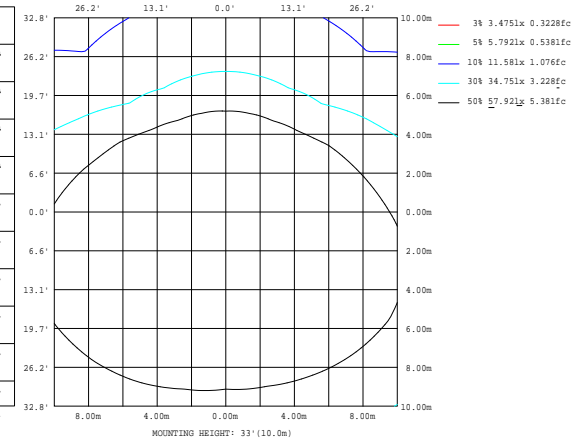


WSD-AL12182430W27-345K-D (300W,4000K,TypeIII)



Flux out:28504 lm

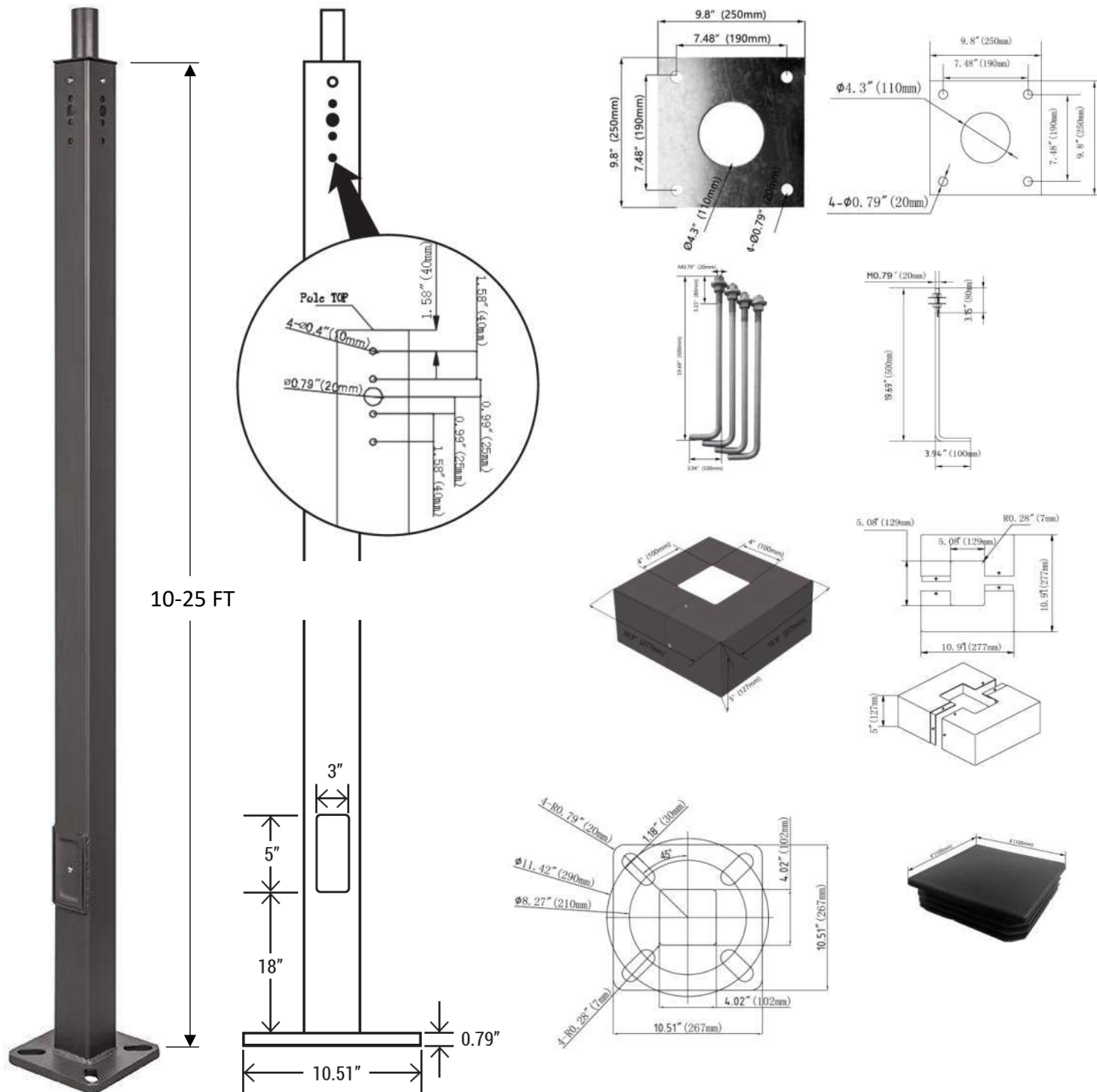
Height	Flux,lmmax	Angle:100.00deg	Diameter
1m	5950,11506lx		238.36cm
2m	1487,2896lx		476.72cm
3m	661.1,1287lx		715.07cm
4m	371.9,724.1lx		953.43cm
5m	238.0,463.4lx		1191.79cm
6m	165.3,321.8lx		1430.15cm
7m	121.4,236.4lx		1668.50cm
8m	92.96,181.0lx		1906.86cm
9m	73.45,143.0lx		2145.22cm
10m	59.50,115.9lx		2383.58cm



Square Steel Poles

Project:	
Number:	POL-SB4-25
Type:	SA-POLE
Notes:	

Ordering Code	Description	Finish	PKG
POL-SB4-25	25 ft 4" Square Pole	Bronze	1
POL-SB4-AB	Anchor Bolt Kit	--	1
POL-SB4-PP	Bolt Positioning Plate	--	1
POL-SB4-BC	4" Square Base Cover	Bronze	1
POL-SB4-TC	4" Top Cover	--	1



Wattages: 60W,90W,120W,150W;120W,180W,240W,300W



The Selectable LED Area Lighting Series can be widely used in Outdoor Settings Excellent for Parking Lots, Pedestrian Walkways, Roadways, Tennis Courts, Basketball Courts, Stadiums, Arenas, Schools, Residential Areas and many other applications.

Lighting controls meet design lights consortium (DLC) networked lighting control system technical requirements, LLLC, Energy Monitoring and High End Trim function.



Features:

- Optical design, greatly improved the light utilization and evenness
- High efficiency LED Driver, voltage AC120-277V/277-480V
- Cast Aluminum design, better cooling, light quality, LED Tj <85°C
- Photocell Control & Motion Sensor (Optional)
- 0-10V dimming (10%-100%) standard
- CCT:3000-5000K
- 5 years manufacturer warranty
- Compatible with most Lutron and Leviton dimmers

Packaging information:

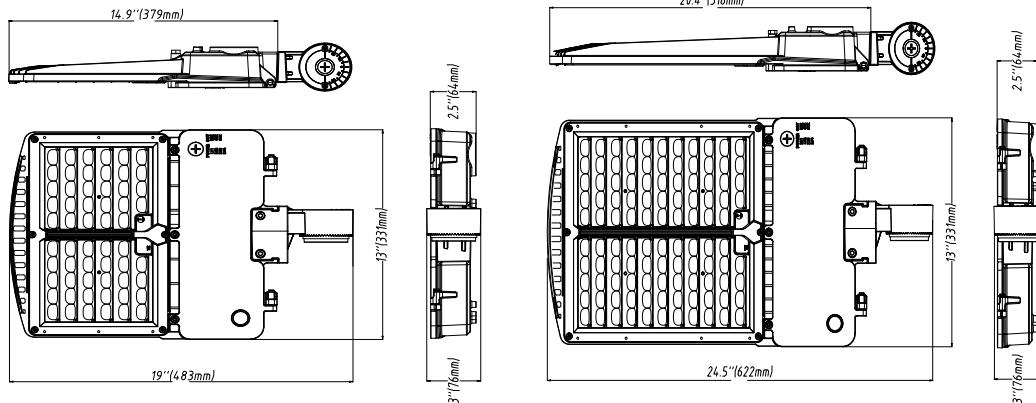
❖ **WSD-AL691215W27-345K-D**
WSD-AL691215W48-345K-D
 530MMX370MMX120MM(1Pcs/CTN)
 (20.87" X14.57" X4.72")

❖ **WSD-AL12182430W27-345K-D**
WSD-AL12182430W48-345K-D
 660MMX370MMX120MM(1Pcs/CTN)
 (25.98" X14.57" X4.72")

SPECIFICATION				
TYPE	WSD-AL691215W27-345K	WSD-AL691215W48-345K	WSD-AL12182430W27-345K	WSD-AL12182430W48-345K
WATTAGE	60W/90W/120W/150W	60W/90W/120W/150W	120W/180W/240W/300W	120W/180W/240W/300W
LUMEN	24239 lm(150W&4000K)	24129 lm(150W&4000K)	49432 lm(300W&4000K)	49231 lm(300W&4000K)
EFFICACY	> 150 lm/W			
CCT	3000K,4000K,5000K			
CRI	> 70			
INPUT VOLTAGE	AC120-277V/277-480V			
LIGHTING ANGLE	120°			
FACTORY SETTINGS	150W & 4000K		300W & 4000K	
LED TYPE	SMD2835			
PF	> 0.98			
DRIVER EFFICIENCY	> 90%			
PROTECTION LEVEL	Wet location			
LIFE TIME	> 75000 hours			
OPERATING TEMPERATURE	-22°F ~ 113°F			
WARRANTY	5 year limited			

Wattages: 60W,90W,120W,150W;120W,180W,240W,300W

DIMENSION:



60-150W

120-300W

SPECIFICATIONS:

Shell materials: Aluminum & PC.
 Net weight : 7.8 lbs (150W)
 11.0 lbs (300W)
 Finish: Dark Bronze(Standard)
 Product Size:
 150W:483X331X64mm
 19\"X13\"X2.5\"
 300W:622X331X64mm
 24.5\"X13\"X2.5\"

MOUNTING OPTIONS:(SOLD SEPARATELY)



WSD-NEWSBARM2-D

Arm Mount Square and Round poles) Standard versatile mounting arm is simple to install and can be used with existing poles for fit installations.

WSD-NEWSBSF2-D

Slipfitter Mount An optional cast aluminum mast arm adapter secures fixture head to nominal 2\"(2-3/8\"O.D. pipe size) horizontal steel tenon arm.

WSD-AL-T-D

Wall Mount Trunion is easy to install for direct wall mounting with 1/2' conduit wiring mounting.

**WSD-AL-150W-HOOD-D
 WSD-AL-300W-HOOD-D**

Shielding for 60-150W CCT 3000-5000K Area Lights and Shielding for 120-300W CCT 3000-5000K Area Lights.

PHOTOMETRICS:

Type 2:

Type 2 optics produce a symmetrical pattern that evenly shines light on both sides of the lamp. In a back-to-back configuration, it creates a rectangular

Type 3:

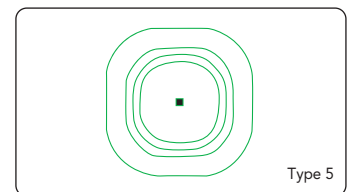
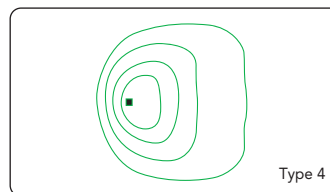
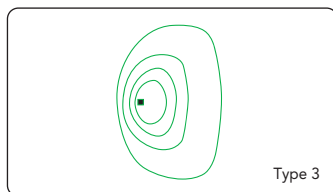
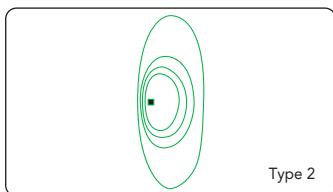
Type 3 optics produce an asymmetrical pattern that directs the majority of the light forward and equally on both sides of the luminaire. In a back-to-back configuration, it creates a rectangular pattern

Type 4:

Type 4 is suitable for applications where light is primarily required forward with minimal backlight. Typical installations include perimeter poles.

Type 5:

Type 5 optics produce a symmetrical square distribution pattern that distributes light equally on all sides of the luminaire. Type 5 luminaires is universal for most area lighting applications



Wattages: 60W,90W,120W,150W;120W,180W,240W,300W

CONTROL MODULE:

Housing
 The one-piece die-cast housing with corrosion-resistant coating protection and the modular design extend the life of the luminaire while making it easy to maintain.

Photometry
 Optional Type II, Type III, Type IV and Type V Photometry as per applications.

Occupancy Sensor
 Optional occupancy sensor allows for security and energy saving.

CCT & POWER Adjustable
 Offer four selectable lumen output (40%/60%/80%/100%), and three selectable CCTs (30K/40K/50K)

POWER SELECTABLE
 LV1
 LV2
 LV3
 LV4

CCT SELECTABLE
 5KK
 4KK
 3KK

EPA OF AREA LIGHT

Item	1	2 @90°	2 @120°	2 @180°	3 @90°	3 @120°	4 @90°
60W/90W/120W/150W	0.3632	0.6849	0.8861	0.7264	1.0481	1.2078	1.0481
120W/180W/240W/300W	0.4758	0.8091	1.059	0.9516	1.2849	1.3923	1.2849

PERFORMANCE

SPECIFICATION												
TYPE	WSD-AL691215W27-345K/WSD-AL691215W48-345K											
POWER	60W (TYPEIII)			90W (TYPEIII)			120W (TYPEIII)			150W (TYPEIII)		
CCT	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
LUMENS	10418	10631	10817	15243	15980	15826	18858	20044	19527	22392	24239	23185
EFFICACY	> 160	> 170	> 170	> 160	> 170	> 160	> 150	> 170	> 160	> 140	> 160	> 150

SPECIFICATION												
TYPE	WSD-AL12182430W27-345K/WSD-AL12182430W48-345K											
POWER	120W (TYPEIII)			180W (TYPEIII)			240W (TYPEIII)			300W (TYPEIII)		
CCT	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
LUMENS	21387	22342	22605	30764	33102	32562	37757	41179	39783	44379	49432	46876
EFFICACY	> 170	> 180	> 180	> 160	> 180	> 170	> 150	> 170	> 160	> 140	> 170	> 150

Wattages: 60W,90W,120W,150W;120W,180W,240W,300W

PHOTOCELL & MOTION SENSORS (SOLD SEPARATELY)

	<p>Photocell No. OJ-M715-B Finish: Blue USE: Used for outdoor LED lamps, working with light sensing principle, the OJ-M715-B sensor (OJ-M715-B for 120-277V) is used for Light sensor.</p>		<p>Motion Sensor Remote Controller RC100 Remote Controller (Can only be used for NLC-MW-PT-002)</p>
	<p>NLC-PC-001 Photocell</p>		<p>Bluetooth NLC-BT-MW-GE-001 Bluetooth Microwave Fixture Sensor (GEBC Bluetooth)</p>
	<p>NLC-MW-PT-002 Bi -level microwave Sensor</p>		<p>Bluetooth NLC-BT-MW-SR-001 Bluetooth Microwave Fixture Sensor (Silvair Bluetooth)</p>

ORDERING INFORMATION:

EXAMPLE: WSD-AL691215W27-345K-Z[D,W,B,S]-TN-U[S,A,T]-Y[Blank,P]-E[Blank,M]

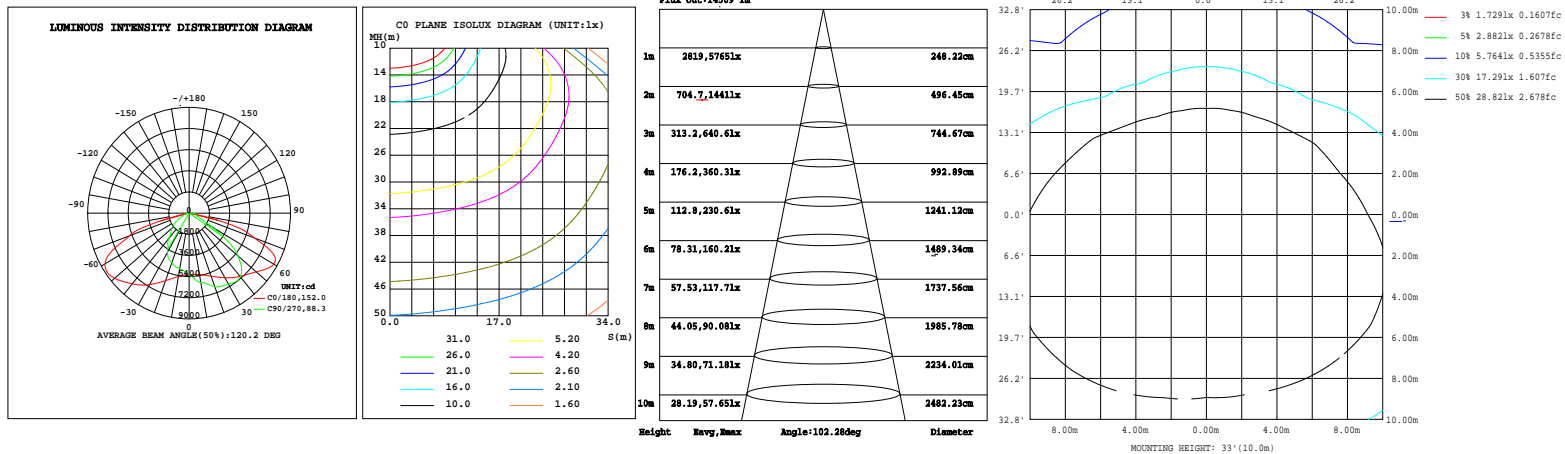
WSD	AL	691215	27	345K	Z	TN	U	Y	E
COMPANY	PRODUCT	POWER	VOLTAGE	CCT	FINISH	LIGHT ANGLE	MOONLIGHT	CONTROL	CONTROL
WSD - (WSD LED INC)	AL LED Area Light	691215 (60W/90W/120W/150W) 12182430 (120W/180W/240W/300W)	27 AC120-277V 48 AC277-480V	345 4000K/4000K /5000K	D (Dark Bronze) W (White) B (Black) S (Silvery)	T2 (Type II) T3 (Type III) T4 (Type IV) T5 (Type V)	S (Slip fitter) T (Trunnion) A (Arm)	P Photocell	M Motion Sensor

Wattages: 60W,90W,120W,150W;120W,180W,240W,300W

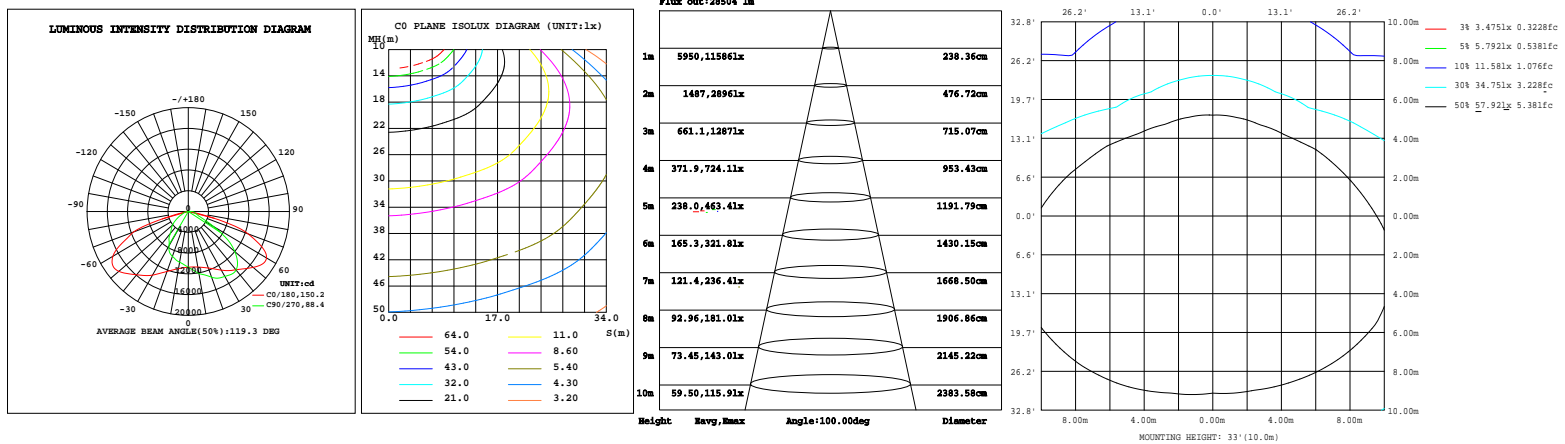
PHOTOMETRICS:

For complete IES files, please visit our website.

WSD-AL691215W27-345K-D (150W,4000K,TypeIII)



WSD-AL12182430W27-345K-D (300W,4000K,TypeIII)





MERU Series

LED GENERAL & EMERGENCY LIGHTING



Type: SC
CAT#: MERU-AC

PRODUCT DESCRIPTION

The MERU Series is an architectural, low-profile outdoor light, offering “normally On” AC and emergency lighting with powerful LED illumination. The housing is fully sealed and gasketed, and has an IP65 rating. Designed for wall mounting with universal K/O pattern in back-plate for easy installation to most standard size junction boxes. Includes a single 1/2” NPT conduit entry in the top, center of the housing. Illumination provided by 8 high power LEDs which achieve 1,800 lumens in AC and 600 lumens in emergency. LED color at 4000K.

PRODUCT SPECIFICATIONS

CONSTRUCTION

Die cast aluminum housing with superior heat sink • Scratch resistant Polyester powder coat finish • UV resistant polycarbonate lens • Snap-fit housing and mounting plate are held together by four stainless steel clips • Universal mounting pattern molded into the back plate • 1/2" threaded top access for surface conduit installation • Silicone rubber seal with hollow center, shape adaptive design protects the electrical components • Junction box neoprene seal is attached to the back plate for a weather proof installation • Dark Bronze or White textured finish.

ELECTRICAL

Dual Voltage 120-277V 60Hz input • Solid state charging and switching • Battery low voltage disconnect • AC power indicator and test switch at the bottom of the unit • Standard with Self Diagnostics to monitor proper operation.

LAMPS

Supplied with eight (8) LG SMD 4000K LED'S • L70 > 72,000hours • 17 Watts total (32 Watts with IH option) • 1800 Lumens in AC mode, 600 Lumens in Emergency mode • Full cut-off optics for Dark Sky compliance

BATTERY

Maintenance-free, long-life rechargeable NiCad battery will operate fixture for a minimum of 90 minutes in the event of a power outage • 24 hour recharge after 90 minute discharge.

CODE COMPLIANCE

UL924 • Listed for wet location applications (0°C-50°C) • Optional "IH" cold weather package for (-40°C-50°C) • IP65 Rated • NFPA 101 Life Safety Code compliant • NFPA 70 • NEC and OSHA compliant • DLC Listed • RoHS Compliant

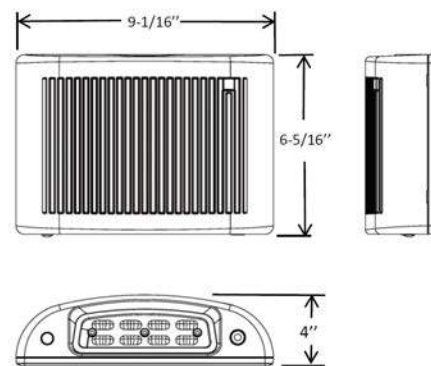
WARRANTY

5-year warranty. Product specifications subject to change without notice.

INSTALLATION

MOUNTING

Suitable for indoor or outdoor wall mounting on junction box, or with surface conduit using the supplied 1/2" threaded top access • Mounting plate has molded universal mounting pattern for simple mounting over junction box.



ACEM Model (NiCad Battery Backup)

Integral photocell: Unit operates as a dusk to dawn luminaire and in the event of a power failure as an emergency light.

Remote Switched: The integral photocell can be defeated to allow remote switching for normal operation. In the event of a power failure unit operates as an emergency light.

BUG Rating: B1-U1-G0

ORDERING INFORMATION

model	operation mode	housing color	options
MERU-LED	ACEM = General & Emergency Lighting AC = General Lighting	DB = Dark Bronze WH = White BK = Black NK = Nickel	Self-Diagnostics & Photocell (Included Standard) IH = Internal Heater
Ordering Example: MERU-ACEM-DB			





MERU Series

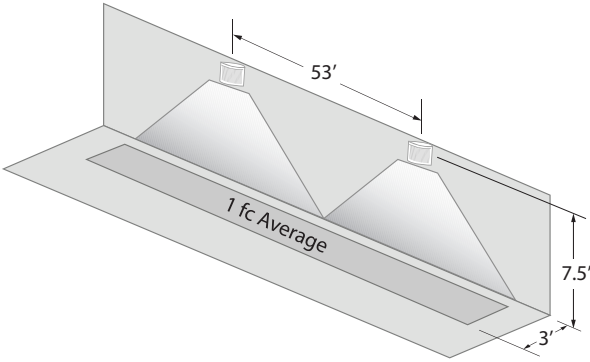
LED GENERAL & EMERGENCY LIGHTING



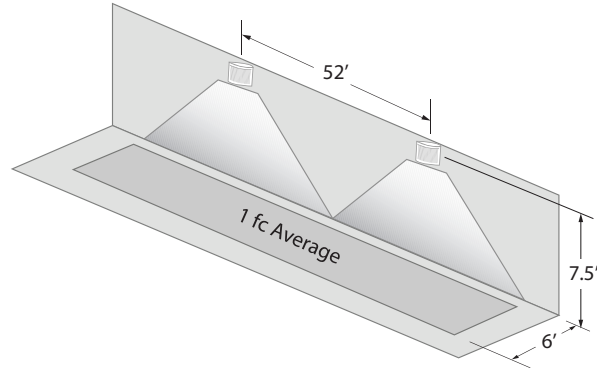
Type: SC
CAT#: MERU-AC

PHOTOMETRICS

3ft Path Spacing



6ft Path Spacing



SELF DIAGNOSTICS

Included Self Diagnostic

Diagnostic Indicator / Test Switch	● Ready	Manual Testing Press button once - 1 minute test Press button twice - 5 minute test Press button 3 times - 30 minute test Press button 4 times - 90 minute test
	● In Test	
	● Battery Circuit Fault	
	● Battery Capacity Failure	
	● Charger Failure	
	● Transformer Fault	
● Lamp Failure		

Full self-test, self-diagnostic system is standard in every unit, performs a monthly, test as well as continuously monitoring all functions to ensure reliability, a manual test may be initiated at any time



X17 Ultra-Economy Floodlight



3-Way Adjustable:



15W/25W/35W

30W/50W/60W &
40W/60W/80W

50W/75W/105W &
70W/100W/140W

100W/150W/205W &
175W/250W/330W

2-Way Adjustable:



15W-35W

60W-80W

105W-140W

Power Adjustable :



250W-350W-450W



100,000
HOURS



3-WAY
ADJUSTABLE
(15W-330W)



2-WAY
ADJUSTABLE
(15W-140W)



POWER
ADJUSTABLE
(250W-450W)



WET
RATED

TECHNICAL SPECIFICATIONS

COMPLIANCE

UL Listed

Suitable for wet locations

DLC Listed

DLC Premium listed

IP Rating

Ingress protection rating of IP65 for dust and water

PERFORMANCE

Lifespan

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

LED CHARACTERISTICS

LEDs

Long-life, high-efficacy, surface-mount LEDs

Color Uniformity

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standards for Specifications for the Chromaticity of Solid State Lighting (SLL) Products, ANSI C78.377-2017.

PROJECT:

DATE:

TYPE:

PREPARED BY:



KEY FEATURES

* X17 Ultra-economy floodlight comes in three different types:

(A) 3-way adjustable:

Selectable CCT: (3000K/4000K/5000K)

Selectable wattages: 15W/25W/35W, 30W/50W/60W, 40W/60W/80W

50W/75W/105W, 70W/100W/140W, 100W/150W/205W, 175W/250W/330W

Selectable photocell that can be turned on and off

(B) 2-way adjustable:

Selectable CCT: (3000K/4000K/5000K)

Available wattages: 15W, 35W, 60W, 80W, 105W & 140W

Selectable photocell that can be turned on and off

(C) Power Adjustable:

Selectable wattages: 250W/350W/450W

Available CCT: 4000K & 5000K

Standard twist-lock photocell

* Voltage ratings: 120-277V. 480V only available from 140W-450W.

* Suitable for wet locations

CONSTRUCTION

Cold Weather Starting

Minimum starting temperature is -40°C (-40°F)

Maximum Ambient Temperature

Suitable for use in up to 40°C (104°F)

Housing

Precision die-cast aluminum

Mounting

Robust knuckle mount with 180° adjustable swivel arm. Tilt angle in 10° increments. (Available only on 15W to 80W models)

Slipfitter with 180° pivot available for mounting on 2 3/8" tenon.

Heavy-duty Trunnion mount with stainless steel hardware.

Lens

Tempered glass

Reflector

Polycarbonate

Green Technology

Mercury and UV free. RoHS-compliant components.

Finish

Formulated for high durability and long-lasting color.

NEMA Beam

NEMA Beam Spread of 7H x 7V

X17 Ultra-Economy Floodlight



TECHNICAL SPECIFICATIONS (CONTINUED)

ELECTRICAL

Drivers (3-way adjustable)

Constant Current, Class 2, 120-277V, 50/60 Hz

35W: 120V: 0.35A, 208V: 0.20A, 240V: 0.16A, 277V: 0.14A
 60W: 120V: 0.60A, 208V: 0.35A, 240V: 0.30A, 277V: 0.25A
 80W: 120V: 0.80A, 208V: 0.50A, 240V: 0.40A, 277V: 0.35A
 105W: 120V: 0.87A, 208V: 0.60A, 240V: 0.50A, 277V: 0.38A
 140W: 120V: 1.17A, 208V: 0.75A, 240V: 0.65A, 277V: 0.54A
 205W: 120V: 1.77A, 208V: 1.10A, 240V: 0.79A, 277V: 0.85A
 330W: 120V: 2.79A, 208V: 1.80A, 240V: 1.60A, 277V: 1.21A

Constant Current, Class 2, 480V, 50/60Hz

140W: 480V: 0.32A
 205W: 480V: 0.46A
 330W: 480V: 0.73A

Drivers (2-way adjustable)

Constant Current, Class 2, 120-277V, 50/60 Hz

15W: 120V: 0.15A, 208V: 0.08A, 240V: 0.07A, 277V: 0.06A
35W: 120V: 0.35A, 208V: 0.20A, 240V: 0.16A, 277V: 0.14A
 60W: 120V: 0.60A, 208V: 0.35A, 240V: 0.28A, 277V: 0.24A
 80W: 120V: 0.80A, 208V: 0.45A, 240V: 0.40A, 277V: 0.32A
 105W: 120V: 1.00A, 208V: 0.60A, 240V: 0.50A, 277V: 0.42A
 140W: 120V: 1.40A, 208V: 0.75A, 240V: 0.65A, 277V: 0.55A

Constant Current, Class 2, 480V, 50/60Hz

140W: 480V: 0.40A

ELECTRICAL

Drivers (Power adjustable)

Constant Current, Class 2, 120-277V, 50/60 Hz

450W: 120V: 3.67A, 208V: 2.40A, 240V: 2.10A, 277V: 1.64A

Constant Current, Class 2, 480V, 50/60Hz

450W: 480V: 0.96A

Driver includes wiring for 0-10V dimming systems. Dim as low as 10%.

OTHER

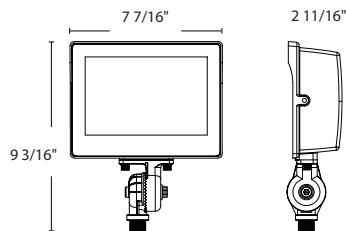
Warranty

The RAB 5-year, limited warranty covers light output, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

DIMENSIONS : X17 XFU 3-WAY FIELD ADJUSTABLE

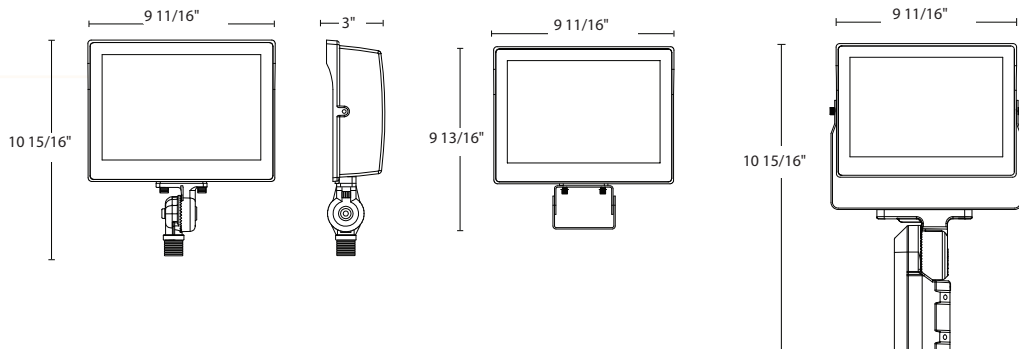
X17 15W-35W

Weight: 2.7 lb



X17 60W-80W

60W-Weight: 4.9 lb
 80W-Weight: 5.1 lb



X17 Ultra-Economy Floodlight

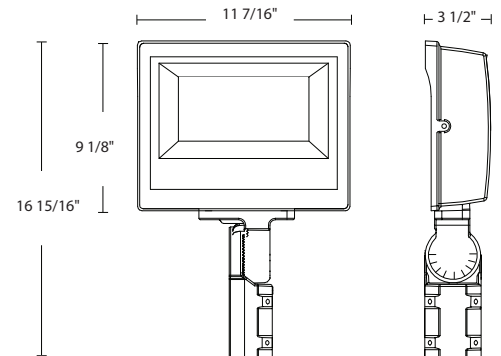
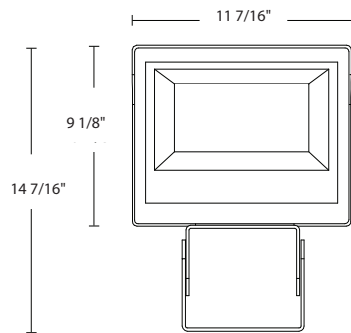


DIMENSIONS : X17 XFU 3-WAY FIELD ADJUSTABLE (CONTINUED)

X17 105W-140W

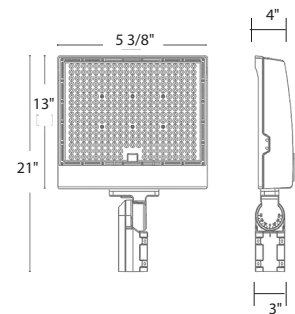
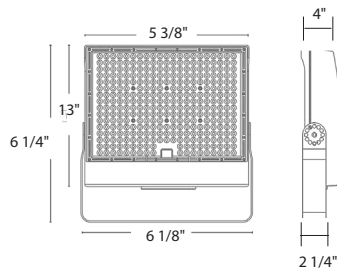
105W- Weight: 9.3 lb

140W-Weight: 10 lb



X17 205W-330W

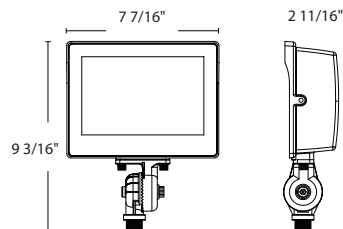
Weight: 18.9 lb



DIMENSIONS : X17 FA 2-WAY ADJUSTABLE

X17 15W-35W

Weight: 2.7 lb



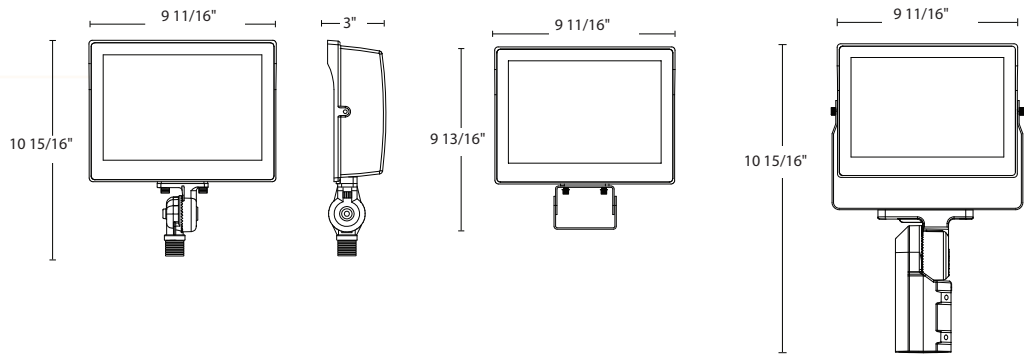
X17 Ultra-Economy Floodlight



DIMENSIONS : X17 FA 2-WAY ADJUSTABLE (CONTINUED)

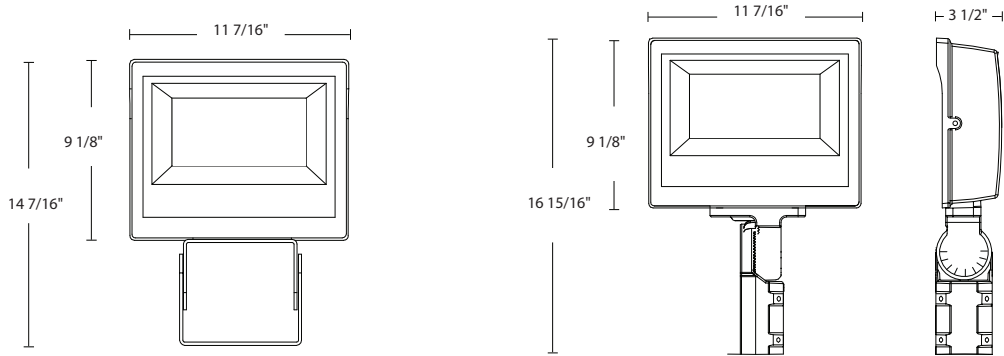
X17 60W-80W

60W-Weight: 4.9 lb
 80W-Weight: 5.1 lb



X17 105W-140W

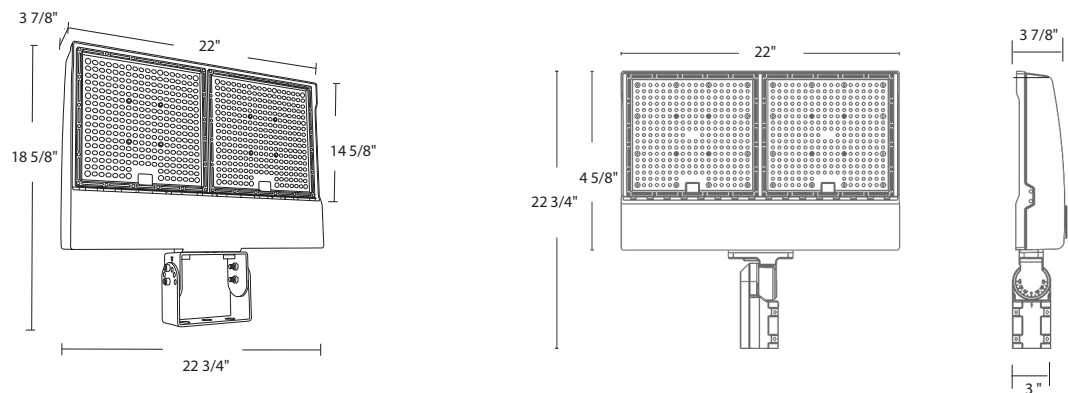
105W-Weight: 9.3 lb
 140W-Weight: 10 lb



DIMENSIONS : X17 PA POWER ADJUSTABLE

X17 450W

Weight: 28.1 lb



X17 Ultra-Economy Floodlight



PERFORMANCE: X17 3-WAY FIELD ADJUSTABLE

X17 35W	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	15W	15W	15W	25W	25W	25W	35W	35W	35W
Input Watts	15.4W	14.8W	15.4W	25.6W	24.8W	25.6W	35.9W	34.6W	35.9W
Lumens	1,991	2,160	2,087	3,319	3,599	3,478	4,642	5,034	4,864
Lm/W	129.3	145.9	135.5	129.6	145.1	135.9	129.3	145.5	135.4
CRI	83	85	83	83	85	83	83	85	83
Voltage Ratings	120-277V								

X17 60W	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	30W	30W	30W	50W	50W	50W	60W	60W	60W
Input Watts	30W	30W	30W	50W	50W	50W	59.5W	57.2W	59.4W
Lumens	3,891	4,186	4,089	6,490	6,983	6,821	7,782	8,372	8,178
Lm/W	129.7	139.5	136.3	129.8	139.7	136.4	130.8	146.4	137.7
CRI	83	85	83	83	85	83	83	85	83
Voltage Ratings	120-277V								

X17 80W	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	40W	40W	40W	60W	60W	60W	80W	80W	80W
Input Watts	41W	39.4W	41W	61.5W	59.1W	61.6W	82W	78.8W	82.1W
Lumens	5,356	5,755	5,663	8,034	8,632	8,494	10,712	11,509	11,325
Lm/W	130.7	146.1	138.0	130.7	146.1	137.9	130.7	146.1	138.01
CRI	83	85	84	83	85	84	83	85	84
Voltage Ratings	120-277V								

X17 105W	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	50W	50W	50W	75W	75W	75W	105W	105W	105W
Input Watts	50W	50W	50W	75W	75W	75W	103.9W	100.3W	104.1W
Lumens	6,304	67,26	6,481	9,460	10,093	9,726	13,243	14,129	13,616
Lm/W	126.1	134.5	129.6	126.1	134.6	129.7	127.5	140.9	130.8
CRI	83	86	84	83	86	84	83	86	84
Voltage Ratings	120-277V								

X17 140W	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	70W	70W	70W	100W	100W	100W	140W	140W	140W
Input Watts	70W	70W	70W	100W	100W	100W	139.3W	135.4W	140.3W
Lumens	8,947	9,579	9,336	12,782	13,983	13,337	17,894	19,158	18,672
Lm/W	127.8	136.8	133.4	127.8	139.8	133.4	127.9	141.5	133.1
CRI	83	85	84	83	85	84	83	85	84
Voltage Ratings	120-277V								

X17 Ultra-Economy Floodlight



PERFORMANCE: X17 3-WAY FIELD ADJUSTABLE (CONTINUED)

X17 140W	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	70W	70W	70W	100W	100W	100W	140W	140W	140W
Input Watts	70W	70W	70W	100W	100W	100W	142.6W	136.9W	142.6W
Lumens	8,980	9,982	9,277	12,828	14,260	13,253	18,292	19,532	18,898
Lm/W	128.3	142.6	132.5	128.3	142.6	132.5	128.3	142.6	132.5
CRI	83	85	84	83	85	84	83	85	84
Voltage Ratings	480V								

X17 205W	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	100W	100W	100W	150W	150W	150W	205W	205W	205W
Input Watts	100W	100W	100W	150W	150W	150W	205.6W	198.2W	204.9W
Lumens	13,394	15,056	13,906	20,091	22,584	20,859	28,333	30,618	29,399
Lm/W	133.9	150.6	139.1	133.9	150.6	139.1	133.9	150.6	139.1
CRI	73	75	71	73	75	71	73	75	71
Voltage Ratings	120-277V								

X17 205W	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	100W	100W	100W	150W	150W	150W	205W	205W	205W
Input Watts	100W	100W	100W	150W	150W	150W	205.6W	198.2W	204.9W
Lumens	13,563	15,107	14,076	20,345	22,661	21,114	27,882	29,944	28,838
Lm/W	135.6	151.1	140.8	135.6	151.1	140.8	135.6	151.1	140.8
CRI	73	76	74	73	76	74	73	76	74
Voltage Ratings	480V								

X17 330W	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	175W	175W	175W	250W	250W	250W	330W	330W	330W
Input Watts	175W	175W	175W	250W	250W	250W	334.4W	321.7W	334W
Lumens	23,907	26,777	24,939	34,153	38,253	35,628	45,864	49,228	47,601
Lm/W	136.6	153.0	142.5	136.6	153.0	142.51	136.6	153.0	142.5
CRI	71	74	73	71	74	73	71	74	73
Voltage Ratings	120-277V								

X17 330W	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	175W	175W	175W	250W	250W	250W	330W	330W	330W
Input Watts	175W	175W	175W	250W	250W	250W	328.4W	315.8W	327.7W
Lumens	24,682	27,587	25,540	35,260	39,410	36,485	46,313	49,783	47,817
Lm/W	141.04	157.64	145.94	141.04	157.64	145.94	141.0	157.6	145.9
CRI	71	74	73	71	74	73	71	74	73
Voltage Ratings	480V								

X17 Ultra-Economy Floodlight



PERFORMANCE : X17 FIELD ADJUSTABLE

X17 15W	3000K	4000K	5000K
Wattage	15W	15W	15W
Input Watts	15.5W	14.9W	15.5W
Lumens	2,097	2,259	2,194
Lm/W	135	152	142
CRI	83	85	84
Voltage Ratings	120-277V		

X17 35W	3000K	4000K	5000K
Wattage	35W	35W	35W
Input Watts	35.9W	34.6W	35.9W
Lumens	4,642	5,034	4,864
Lm/W	129	145	135
CRI	83	85	83
Voltage Ratings	120-277V		

X17 60W	3000K	4000K	5000K
Wattage	60W	60W	60W
Input Watts	59.5W	57.2W	59.4W
Lumens	7,782	8,372	8,178
Lm/W	131	146	138
CRI	83	85	83
Voltage Ratings	120-277V		

X17 80W	3000K	4000K	5000K
Wattage	80W	80W	80W
Input Watts	82W	78.8W	82.1W
Lumens	8,632	11,509	11,325
Lm/W	105	145	138
CRI	83	85	84
Voltage Ratings	120-277V		

X17 105W	3000K	4000K	5000K
Wattage	105W	105W	105W
Input Watts	103.8W	100.2W	104.1W
Lumens	13,243	14,129	13,616
Lm/W	128	141	131
CRI	83	86	84
Voltage Ratings	120-277V		

X17 140W	3000K	4000K	5000K
Wattage	140W	140W	140W
Input Watts	139.9W	135.4W	140.2W
Lumens	17,894	19,158	18,672
Lm/W	128	141	133
CRI	83	85	84
Voltage Ratings	120-277V		

X17 140W	3000K	4000K	5000K
Wattage	140W	140W	140W
Input Watts	142.6W	136.9W	142.6W
Lumens	18,292	19,532	18,898
Lm/W	128	143	133
CRI	83	85	84
Voltage Ratings	480V		

X17 Ultra-Economy Floodlight



PERFORMANCE: X17 PA POWER ADJUSTABLE

X17 450W	4000K	5000K	4000K	5000K	4000K	5000K
Wattage	250W	250W	350W	350W	450W	450W
Input Watts	250W	250W	350W	350W	439.2W	439.2W
Lumens	36,975	37,420	51,765	52,388	64,951	65,733
Lm/W	147.9	149.7	147.9	149.7	147.9	149.7
CRI	72	72	72	72	72	72
Voltage Ratings	120-277V					

X17 450W	4000K	5000K	4000K	5000K	4000K	5000K
Wattage	250W	250W	350W	350W	450W	450W
Input Watts	250W	250W	350W	350W	433.8W	433.8W
Lumens	36,305	36,633	50,827	51,286	62,987	63,558
Lm/W	145.2	146.5	145.2	146.5	145.2	146.5
CRI	72	72	72	72	72	72
Voltage Ratings	480V					

ORDERING MATRIX

X17XFU

Family	Wattage	Mounting	Finish	Voltage Rating	Option
X17XFU					
35	35W/25W/15W	BLANK	Knuckle ¹	BLANK	BLANK
60	60W/50W/30W	SF	Slipfitter ²	/480	/PCT
80	80W/60W/40W	T	Trunnion ²	480V ⁴	Twist-lock Photocell ⁵
105	105W/75W/50W				
140	140W/100W/70W				
205	205W/150W/100W				
330	330W/200W/175W				

¹ Knuckle mount only on: XFU35, XFU60 & XFU80 Models
² Slipfitter & Trunnion not available on: XFU35 Models
³ Not available on: XFU205 & XFU330 Models
⁴ 480V only available on: XFU205 & XFU330 Models
⁵ Photocell available only on: XFU205 & XFU330 Models

X17FA

Family	Wattage	Mounting	Finish	Voltage Rating
X17FA				
15	15W	BLANK	Knuckle ¹	BLANK
35	35W	SF	Slipfitter ²	/480
60	60W	T	Trunnion ²	480V ³
80	80W			
105	105W			
140	140W			

¹ Knuckle mount only on: 15W-80W
² Slipfitter & Trunnion not available on: 15W-35W
³ 480V only available on 140W

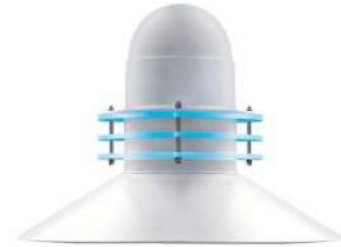
X17PA

Family	Wattage	CCT	Mounting	Finish	Voltage Rating	Option
X17PA	450					/PCT
450	250W/350W/450W	BLANK	SF	BLANK	BLANK	/PCT
		N	T	W	/480	Twist-lock Photocell
		5000K	Slipfitter	Bronze	120-277V	
		4000K	Trunnion	White	480V	

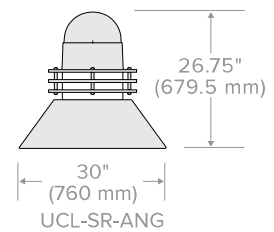
UNIVERSE®

FEATURES

- Reliable, uniform, glare free illumination
- Types 1, 2, 3, 4W, 5Q, and 5W distributions
- 3000K, 4000K, 5000K CCT
- 0-10V dimming ready
- Integral Surge protection: 10k in parallel, 20k in series
- Upgrade Kits
- Utilizes Strike Optics for precise distributions, maximum fixture spacing and minimal backlight.



3000K and warmer CCTs only



	WEIGHT	EPA
UCL2	50 lbs / 22.7 kg	1.36 ft. ²

SPECIFICATIONS

CONSTRUCTION

- All housing components are die cast aluminum 360 alloy, sealed with continuous silicone rubber gaskets
- Standard configurations do not require a flat lens, optional lenses is tempered glass
- All internal and external hardware is stainless steel
- Finish: fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) polyester powdercoat
- Optical bezel finish is match the luminaire housing

LED/OPTICS

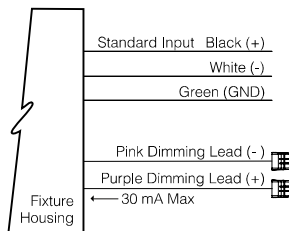
- Optical cartridge system consisting of a die cast heat sink, LED engine, TIR optics, gasket and bezel plate
- Optics are held in place without the use of adhesives
- Molded silicone gasket ensures a weather-proof seal around each individual LED.
- Features individual LED optical control based on high performance TIR optical designs
- House Side Shield is available on Standard and Clear Lens options except any Type 5 distribution. House Side Shield is not available for any distribution using a Diffused Lens

INSTALLATION

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury

ELECTRICAL

- Luminaires have integral surge protection, UL recognized and have a surge current rating of 10,000 Amps using the industry standard 8/20uSec wave and surge rating of 372J
- Drivers are UL recognized with an inrush current maximum of <20.0 Amps maximum at 230VAC
- 100%-1% dimming range. Fixture will be wired for low voltage 0-10V dimming control



- Driver and surge suppressor are mounted to a prewired tray with quick disconnects that may be removed from the gear compartment

CONTROLS

- Egress adapter(s) shall slip over a 4"/100mm DIA. pole with the luminaire or arm slipping over the adapter to add a total of 4.5"/114mm to the overall height. Adapter(s) shall be prewired, independently rotatable 359°, and have a cast access cover with an integral lens and lanyard
- Photocell adapter shall include an internal twist lock receptacle. Photocell by others
- Egress adapter shall require an auxiliary 120 volt supply for operation of an integral MR16 lamp in the event of emergency. The lamp may be aimed and locked into position with an adjustment range of 15°-45°. Adapter shall have a socket that accepts miniature bi-pin MR16 lamps up to 50 watts, lamp by others

CERTIFICATIONS

- ETL listed under UL 1598 and CSA C22.2 No. 250.0-08 for wet locations

WARRANTY

- 5 year warranty

ORDERING GUIDE

Example: UCL2-WND-BLU-FLR-36L-420-4K7-2-CL-BL-WIRSC-SLA2-D-UNV

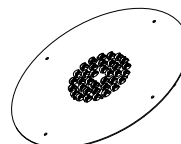
CATALOG # **UCL2-72L-700-3K7-2-DBS-SLA7-CL-UNV**

HOUSING

UCL2	72L	700	3K7	2	DBS
Housing	LED Quantity	Lumen Output	CCT/CRI	Distribution	Finish
UCL2 Universe Large 2.0 <u>Optional Element</u>	72L 72 LED	310 450mA Microcore Crossover	AMB Amber-595nm Peak ¹	1 Type I	BLS Black Gloss Smooth
		335 335mA, 10000 Lumens	3K7 3000K, 70 CRI	2 Type II	BLT Black Matte Textured
WND Universe Medium with Luminous Window		480 700mA Microcore Crossover	4K7 4000K, 70 CRI	3 Type III	DBS Dark Bronze Gloss Smooth
SR Universe Medium with Luminous Solid Rings		500 500mA, 14000 Lumens	5K7 5000K, 70 CRI	4W Type IV Wide	DBT Dark Bronze Matte Textured
VSL Universe Medium with Luminous Vertical Slots		700 700mA, 19000 Lumens		5Q Type V Square	GTT Graphite Matte Textured
LUM Universe Medium with Luminous Rings				5W Type V Wide	LGS Light Grey Gloss Smooth
<u>Optional Internal Lens</u>					LGT Light Grey Matte Textured
BLU Blue					PSS Platinum Silver Gloss Smooth
RD Red					VGT Verde Green Matte Textured
GRN Green					WHS White Gloss Smooth
<u>Hood Style</u>					WHT White Matte Textured
ANG Angled Hood					Color Option
BEL Bell Hood					CC ³ Custom Color
FLR Flared Hood					
SKB Skirted Bell Hood					

SLA7	CL			UNV
Mounting	Optional Lens	Options	Mounting Options	Voltage
Pole Mount	CL Clear Lens	HS House Side Shield ⁴	PCA-C Photocontrol Adaptor Contemporary	UNV 120-277V
SLA2-D SLA18	DL Diffused Lens ²	SLC Solid Lens Cover	EPA-C Egress Adaptor Contemporary	347 347V
SLA3 SLA20		SF Single Fuse (120, 277, 347)		480 480V
SLA4 SLA20A		DF Double Fuse (208, 240, 480)		
SLA7 SLA22D				
SLA8D SLA24				
SLA9 TRA7				
SLA10 TRA8				
SLA16 TRA9				
SLA17				
Wall Mount				
WMA5 WMA17				
WMA9D WMA20				
WMA11 WMA24				
WMA12 WMA39				
WMA16				

- Notes:
- 1 Wild life friendly
 - 2 Diffused Lens is available only with T3 and T5W distribution
 - 3 Consult factory for custom color, marine and corrosive finish options
 - 4 House side Shield is available only with T1, T2, T3 and T4W distributions



DIMENSIONS

See page 6 for dimensions

DELIVERED LUMENS

The table below shows the delivered lumens for the various lumen outputs and beam distributions. Use this chart in connection with the lumen factor (LF) capability to deliver any output required.

LED #	Drive Current	Lumen Package	Lens	Distribution	3000K 70CRI				4000K 70CRI				5000K 70CRI							
					Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)	
72	310	450mA Microcore Crossover	None	1	8970	1	0	1	128.4	9378	1	0	1	134.2	9755	1	0	1	139.6	
				2	8440	1	0	2	120.8	8823	1	0	2	126.3	9178	2	0	2	131.4	
				3	8178	1	0	2	117.1	8549	1	0	2	122.4	8893	1	0	2	127.3	
				4W	8177	1	0	3	117.0	8548	1	0	3	122.4	8892	1	0	3	127.3	
				1-HS	5194	0	0	0	74.3	5430	0	0	0	77.7	5648	0	0	0	80.8	
				2-HS	4203	0	0	1	60.2	4394	0	0	1	62.9	4570	0	0	1	65.4	
				3-HS	4033	0	0	1	57.7	4216	0	0	1	60.3	4385	0	0	1	62.8	
				4W-HS	4039	0	0	1	57.8	4223	0	0	1	60.5	4393	0	0	1	62.9	
				5Q	8550	3	0	1	122.4	8939	3	0	1	128.0	9298	3	0	1	133.1	
				5W	8012	3	0	2	114.7	8376	3	0	2	119.9	8713	3	0	2	124.7	
				Clear	1-CL	7729	1	0	1	110.6	8080	1	0	1	115.7	8405	1	0	1	120.3
					2-CL	7272	1	0	1	104.1	7602	1	0	2	108.8	7908	1	0	2	113.2
					3-CL	7046	1	0	2	100.9	7366	1	0	2	105.4	7662	1	0	2	109.7
					4W-CL	7045	1	0	3	100.8	7365	1	0	3	105.4	7661	1	0	3	109.7
	1-CL-HS	4475	0		0	0	64.1	4678	0	0	0	67.0	4866	0	0	0	69.7			
	2-CL-HS	3621	0		0	1	51.8	3786	0	0	1	54.2	3938	0	0	1	56.4			
	3-CL-HS	3474	0		0	1	49.7	3632	0	0	1	52.0	3778	0	0	1	54.1			
	4W-CL-HS	3480	0		0	1	49.8	3639	0	0	1	52.1	3785	0	0	1	54.2			
	5Q-CL	7367	2		0	1	105.5	7702	3	0	1	110.2	8011	3	0	1	114.7			
	5W-CL	6903	3		0	1	98.8	7217	3	0	1	103.3	7507	3	0	1	107.5			
	Diffused	3-DL	5322	1	0	1	76.2	5564	1	0	1	79.6	5788	1	0	1	82.8			
		5W-DL	5214	2	0	1	74.6	5451	2	0	1	78.0	5670	2	0	1	81.2			
	335	10000	None	1	9606	1	0	1	126.8	10042	1	0	1	132.6	10446	1	0	1	137.3	
				2	9037	1	0	2	119.3	9448	2	0	2	124.7	9828	2	0	2	129.0	
				3	8757	1	0	2	115.9	9155	1	0	2	120.8	9523	1	0	2	125.3	
				4W	8756	1	0	3	115.6	9154	1	0	3	120.8	9522	1	0	3	125.4	
				1-HS	5562	0	0	0	73.4	5814	0	0	0	76.8	6048	0	0	0	80.0	
				2-HS	4500	0	0	1	59.4	4705	0	0	1	62.1	4894	0	0	1	64.9	
3-HS				4318	0	0	1	57.0	4515	0	0	1	59.6	4696	0	0	1	62.3		
4W-HS				4326	0	0	1	57.1	4522	0	0	1	59.7	4704	0	0	1	62.3		
5Q				9156	3	0	1	120.9	9572	3	0	1	126.4	9957	3	0	1	131.5		
5W				8580	3	0	2	113.3	8969	3	0	2	118.4	9330	3	0	2	123.1		
Clear				1-CL	8276	1	0	1	109.5	8652	1	0	1	114.5	9000	1	0	1	119.1	
				2-CL	7787	1	0	2	103.1	8141	1	0	2	107.7	8468	1	0	2	112.1	
				3-CL	7545	1	0	2	99.9	7888	1	0	2	104.4	8205	1	0	2	108.6	
				4W-CL	7544	1	0	3	99.8	7887	1	0	3	104.4	8204	1	0	3	108.6	
		1-CL-HS	4792	0	0	0	63.4	5010	0	0	0	66.3	5211	0	0	0	69.0			
		2-CL-HS	3877	0	0	1	51.3	4054	0	0	1	53.6	4217	0	0	1	55.8			
		3-CL-HS	3721	0	0	1	49.2	3890	0	0	1	51.5	4046	0	0	1	53.5			
		4W-CL-HS	3727	0	0	1	49.3	3896	0	0	1	51.6	4053	0	0	1	53.6			
		5Q-CL	7889	3	0	1	104.4	8247	3	0	1	109.2	8579	3	0	1	113.5			
		5W-CL	7392	3	0	1	97.8	7728	3	0	1	102.3	8039	3	0	2	106.4			
Diffused		3-DL	5992	1	0	1	79.2	6264	1	0	1	82.8	6516	1	0	1	86.4			
		5W-DL	5297	2	0	1	70.0	5537	2	0	1	73.1	5760	2	0	1	73.6			

DELIVERED LUMENS (CONTINUED)

The table below shows the delivered lumens for the various lumen outputs and beam distributions. Use this chart in connection with the lumen factor (LF) capability to deliver any output required.

LED #	Drive Current	Lumen Package	Lens	Distribution	3000K 70CRI				4000K 70CRI				5000K 70CRI							
					Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)	
72	480	700mA Microcore Crossover	None	1	13144	1	0	1	118.8	13742	1	0	1	124.2	14294	2	0	1	129.2	
				2	12367	2	0	2	111.7	12929	2	0	2	116.8	13448	2	0	2	121.5	
				3	11983	2	0	2	108.3	12527	2	0	3	113.2	13031	2	0	3	117.7	
				4W	11982	2	0	3	108.3	12526	2	0	3	113.2	13030	2	0	3	117.7	
				1-HS	7610	0	0	0	68.8	7956	0	0	0	71.9	8276	0	0	0	74.8	
				2-HS	6158	0	0	1	55.6	6438	0	0	1	58.2	6697	0	0	1	60.5	
				3-HS	5909	0	0	1	53.4	6178	0	0	2	55.8	6426	0	0	2	58.1	
				4W-HS	5919	1	0	2	53.5	6188	1	0	2	55.9	6437	1	0	2	58.2	
				5Q	12529	3	0	1	113.2	13098	3	0	1	118.4	13625	3	0	1	123.1	
				5W	11740	4	0	2	106.1	12274	4	0	2	110.9	12767	4	0	2	115.4	
				Clear	1-CL	11325	1	0	1	102.3	11840	1	0	1	107.0	12316	1	0	1	111.3
					2-CL	10655	2	0	2	96.3	11139	2	0	2	100.7	11587	2	0	2	104.7
					3-CL	10324	2	0	2	93.3	10794	2	0	2	97.5	11227	2	0	2	101.5
					4W-CL	10323	1	0	3	93.3	10792	1	0	3	97.5	11226	1	0	3	101.4
	1-CL-HS	6557	0		0	0	59.2	6855	0	0	0	61.9	7131	0	0	0	64.4			
	2-CL-HS	5306	0		0	1	47.9	5547	0	0	1	50.1	5770	0	0	1	52.1			
	3-CL-HS	5091	0		0	1	46.0	5323	0	0	1	48.1	5537	0	0	1	50.0			
	4W-CL-HS	5100	0		0	1	46.1	5332	1	0	1	48.2	5546	1	0	2	50.1			
	Diffused	5Q-CL	10795	3	0	1	97.5	11286	3	0	1	102.0	11739	3	0	1	106.1			
		5W-CL	10115	3	0	2	91.4	10575	3	0	2	95.6	11000	4	0	2	99.4			
	500	14000	None	3-DL	7798	2	0	1	70.4	8153	2	0	2	73.6	8481	2	0	2	76.6	
				5W-DL	7640	2	0	1	69.0	7988	3	0	1	72.2	8309	3	0	1	75.1	
				1	13600	1	0	1	117.7	14218	2	0	1	123.0	14790	2	0	1	128.0	
				2	12796	2	0	2	110.7	13377	2	0	2	115.7	13915	2	0	2	120.4	
				3	12398	2	0	3	107.3	12962	2	0	3	112.2	13483	2	0	3	116.7	
				4W	12397	2	0	3	107.3	12961	2	0	3	112.1	13482	2	0	3	116.7	
				1-HS	7874	0	0	0	68.1	8232	0	0	0	71.2	8563	0	0	0	74.1	
				2-HS	6372	0	0	1	55.1	6661	0	0	1	57.6	6929	0	0	1	60.0	
3-HS				6114	0	0	1	52.9	6392	0	0	2	55.3	6649	0	0	2	57.5		
4W-HS				6124	1	0	2	53.0	6403	1	0	2	55.4	6660	1	0	2	57.6		
5Q				12964	3	0	1	112.2	13553	3	0	1	117.3	14097	3	0	2	122.0		
5W				12147	4	0	2	105.1	12699	4	0	2	109.9	13210	4	0	2	114.3		
Clear				1-CL	11718	1	0	1	101.4	12250	1	0	1	106.0	12743	1	0	1	110.3	
				2-CL	11025	2	0	2	95.4	11526	2	0	2	99.7	11989	2	0	2	103.7	
	3-CL	10682	2	0	2	92.4	11168	2	0	2	96.6	11617	2	0	2	100.5				
	4W-CL	10681	1	0	3	92.4	11167	1	0	3	96.6	11616	2	0	3	100.5				
	1-CL-HS	6784	0	0	0	58.7	7093	0	0	0	61.4	7378	0	0	0	63.8				
	2-CL-HS	5490	0	0	1	47.5	5739	0	0	1	49.7	5970	0	0	1	51.7				
	3-CL-HS	5268	0	0	1	45.6	5507	0	0	1	47.7	5729	0	0	1	49.6				
	4W-CL-HS	5277	1	0	1	45.7	5517	1	0	2	47.7	5738	1	0	2	49.7				
	5Q-CL	11169	3	0	1	96.6	11677	3	0	1	101.0	12146	3	0	1	105.1				
	5W-CL	10466	3	0	2	90.6	10942	4	0	2	94.7	11381	4	0	2	98.5				
Diffused	3-DL	8069	2	0	2	69.8	8436	2	0	2	73.0	8775	2	0	2	75.9				
	5W-DL	7905	3	0	1	68.4	8265	3	0	1	71.5	8597	3	0	1	74.4				

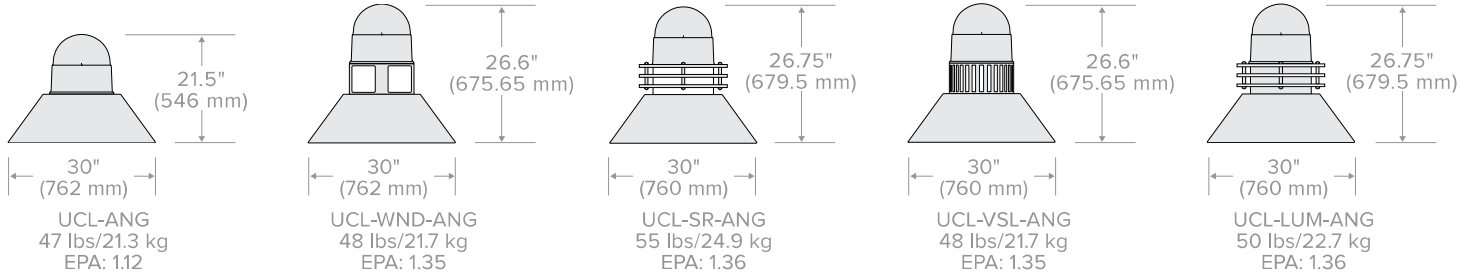
DELIVERED LUMENS (CONTINUED)

The table below shows the delivered lumens for the various lumen outputs and beam distributions. Use this chart in connection with the lumen factor (LF) capability to deliver any output required.

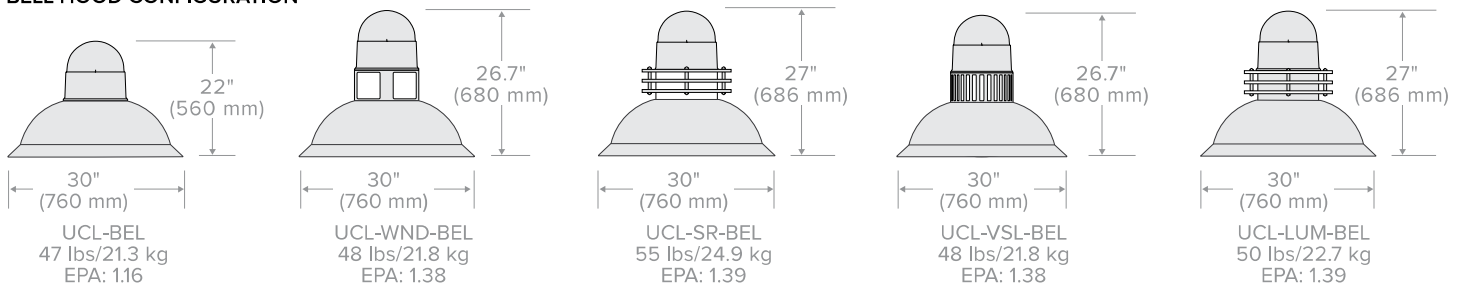
LED #	Drive Current	Lumen Package	Lens	Distribution	3000K 70CRI				4000K 70CRI				5000K 70CRI						
					Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)
72	700	19000	None	1	17947	2	0	1	111.9	18762	2	0	1	117.0	19516	2	0	1	121.7
				2	16885	2	0	2	105.3	17652	2	0	2	110.1	18362	3	0	3	114.5
				3	16361	2	0	3	102.0	17104	2	0	3	106.6	17792	2	0	3	110.9
				4W	16359	2	0	4	102.0	17103	2	0	4	106.6	17790	2	0	4	110.9
				1-HS	10391	0	0	0	64.8	10863	1	0	0	67.7	11300	1	0	1	70.4
				2-HS	8408	1	0	1	52.4	8790	1	0	1	54.8	9144	1	0	1	57.0
				3-HS	8068	1	0	2	50.3	8435	1	0	2	52.6	8774	1	0	2	54.7
				4W-HS	8082	1	0	2	50.4	8449	1	0	2	52.7	8789	1	0	2	54.8
				5Q	17106	4	0	2	106.6	17884	4	0	2	111.5	18603	4	0	2	116.0
				5W	16029	4	0	2	99.9	16758	4	0	2	104.5	17431	4	0	2	108.7
			Clear	1-CL	15463	2	0	1	96.4	16166	2	0	1	100.8	16815	2	0	1	104.8
				2-CL	14548	2	0	2	90.7	15209	2	0	2	94.8	15821	2	0	2	98.6
				3-CL	14096	2	0	3	87.9	14737	2	0	3	91.9	15330	2	0	3	95.6
				4W-CL	14095	2	0	3	87.9	14736	2	0	3	91.9	15328	2	0	3	95.6
				1-CL-HS	8953	0	0	0	55.8	9359	0	0	0	58.4	9736	0	0	0	60.7
				2-CL-HS	7244	1	0	1	45.2	7574	1	0	1	47.2	7878	1	0	1	49.1
				3-CL-HS	6951	0	0	2	43.3	7267	1	0	2	45.3	7559	1	0	2	47.1
				4W-CL-HS	6963	1	0	2	43.4	7280	1	0	2	45.4	7572	1	0	2	47.2
			Diffused	5Q-CL	14739	3	0	2	91.9	15409	4	0	2	96.1	16028	4	0	2	99.9
				5W-CL	13811	4	0	2	86.1	14438	4	0	2	90.0	15019	4	0	2	93.6
3-DL	10648	2		0	2	66.4	11132	2	0	2	69.4	11579	2	0	2	72.2			
5W-DL	10432	3		0	2	65.0	10906	3	0	2	68.0	11344	3	0	2	70.7			

DIMENSIONS

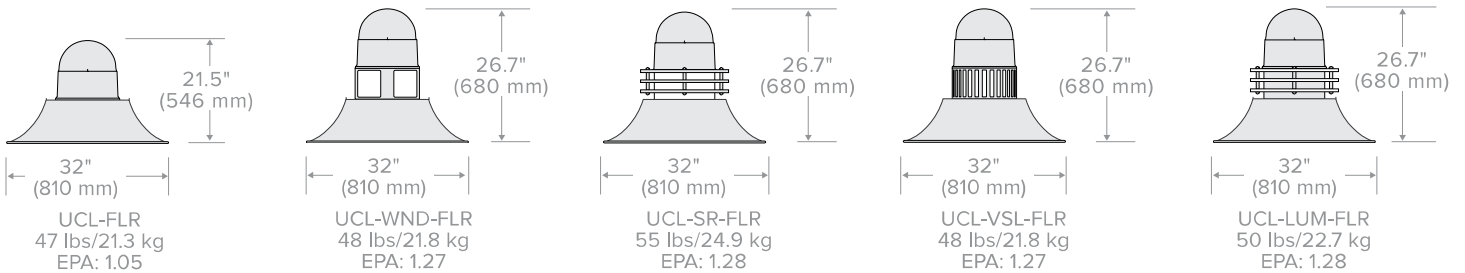
ANGLED HOOD CONFIGURATION



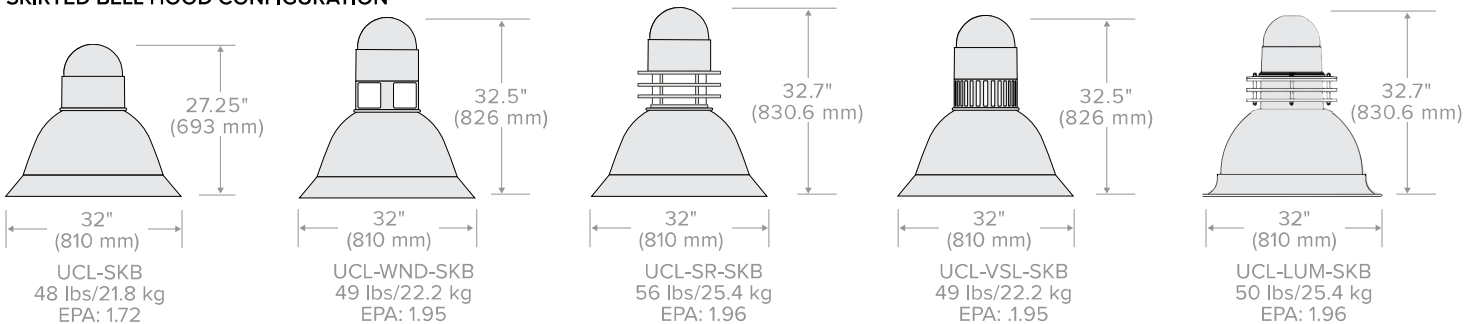
BELL HOOD CONFIGURATION



FLARE HOOD CONFIGURATION



SKIRTED BELL HOOD CONFIGURATION



PHOTOMETRY

UCL2-ANG-72L-700-4K7-1

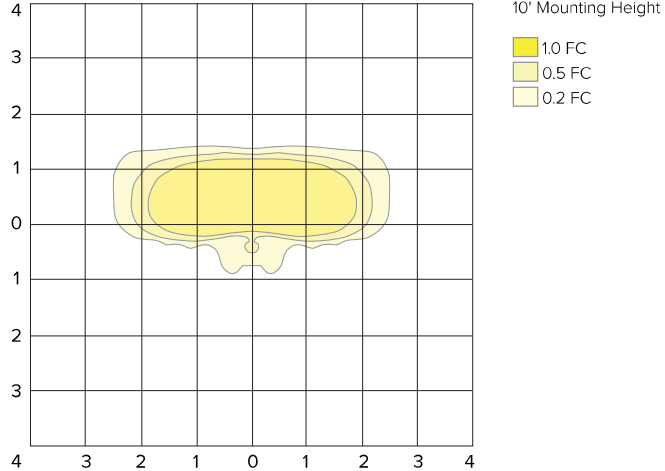
LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	18,762
Watts	160.4
Efficacy	117.0
IES Type	I
BUG Rating	B2-U0-G1
Mounting Height	30 ft
Grid Scale	30 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	16473	88%
Downward House Side	2289	12%
Downward Total	18762	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	18762	100%

ISOFOOT CANDLE PLOT



UCL2-ANG-72L-700-4K7-2

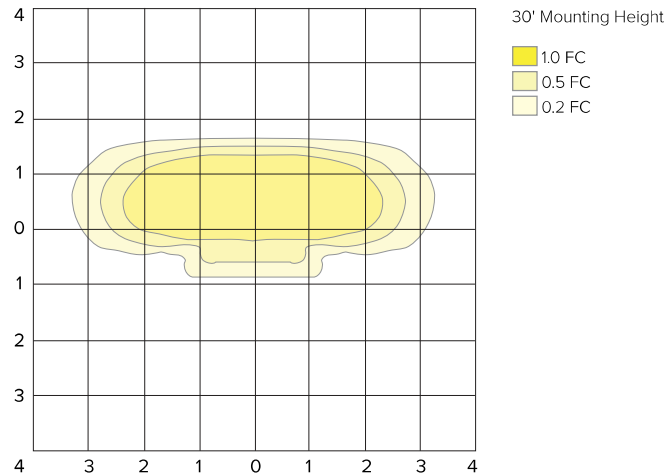
LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	17,652
Watts	160.4
Efficacy	110.0
IES Type	II
BUG Rating	B2-U0-G2
Mounting Height	30 ft
Grid Scale	30 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	14521	82%
Downward House Side	3131	18%
Downward Total	17652	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	17652	100%

ISOFOOT CANDLE PLOT



UCL2-ANG-72L-700-4K7-3

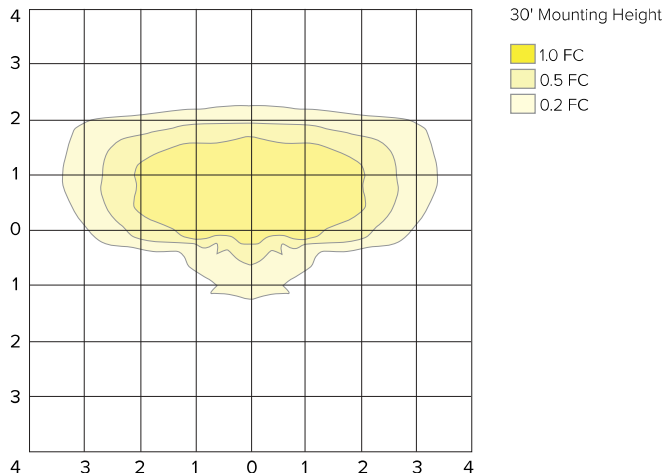
LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	17,105
Watts	160.4
Efficacy	106.6
IES Type	III
BUG Rating	B2-U0-G3
Mounting Height	30 ft
Grid Scale	30 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	14403	84%
Downward House Side	2702	16%
Downward Total	17105	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	17105	100%

ISOFOOT CANDLE PLOT



PHOTOMETRY

UCL2-ANG-72L-700-4K7-4W

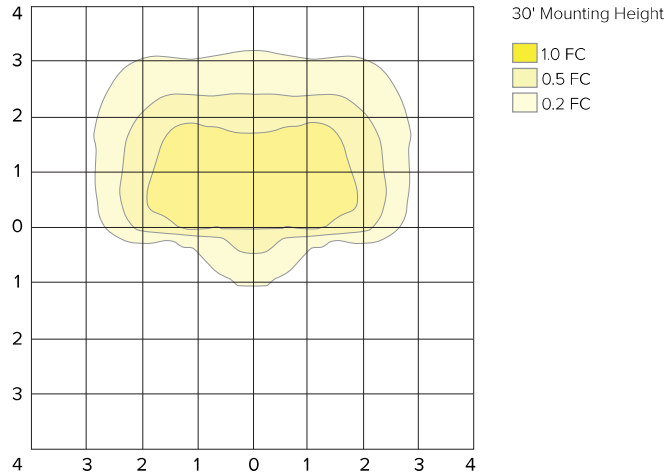
LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	17103
Watts	160.4
Efficacy	106.6
IES Type	IV Wide
BUG Rating	B2-U0-G4
Mounting Height	30 ft
Grid Scale	30 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	14997	88%
Downward House Side	2106	12%
Downward Total	17103	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	17103	100%

ISOFOOT CANDLE PLOT



UCL2-ANG-72L-700-4K7-5Q

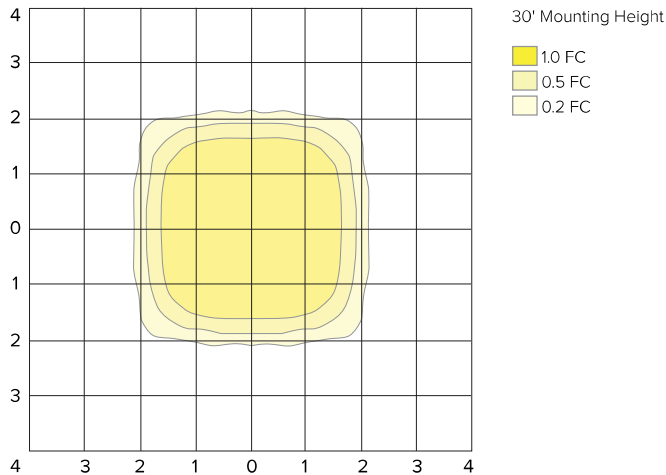
LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	17884
Watts	160.4
Efficacy	111.5
IES Type	VS
BUG Rating	B4-U0-G2
Mounting Height	30 ft
Grid Scale	30 ft

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	8942	50%
Downward House Side	8942	50%
Downward Total	17884	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	17884	100%

ISOFOOT CANDLE PLOT



UCL2-ANG-72L-700-4K7-5W

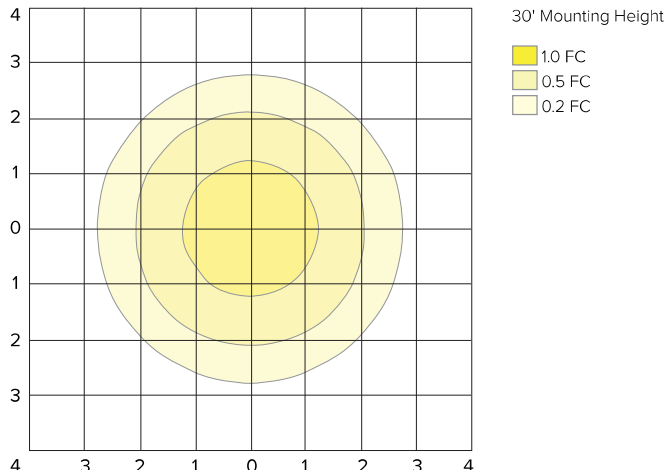
LUMINAIRE DATA

Description	4000 Kelvin, 70CRI
Delivered Lumens	16758
Watts	160.4
Efficacy	104.5
IES Type	VS
BUG Rating	B4-U0-G2
Mounting Height	30 ft
Grid Scale	30 ft

ZONAL LUMEN SUMMARY

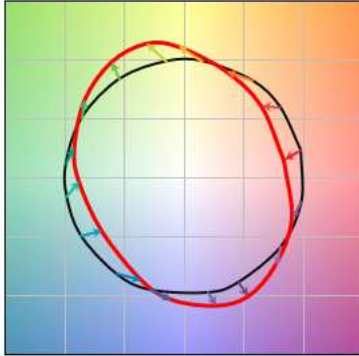
Zone	Lumens	% Luminaire
Downward Street Side	8379	50%
Downward House Side	8379	50%
Downward Total	16758	100%
Upward Street Side	0	0%
Upward House Side	0	0%
Upward Total	0	0%
Total Flux	16758	100%

ISOFOOT CANDLE PLOT



TM-30 DATA

COLOR VECTOR GRAPHIC

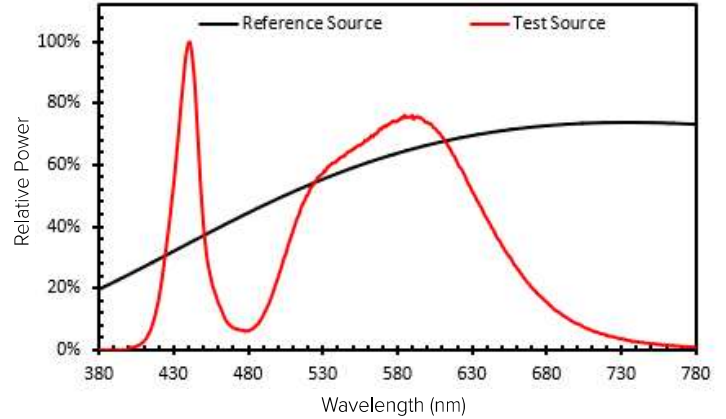


— Reference Illuminant — Test Source

TEST SOURCE

MBM TEST RESULTS	
CCT (K)	3947
CIE Ra	72
Duv	0.0004
x	0.3831
y	0.3793
Rf	68
Rg	99

SPECTRAL POWER DISTRIBUTION COMPARISON



ELECTRICAL DATA

Light Engine	Electrical										Dimming						
	System Current	System Watts	Line Voltage		Amps AC						Min. Power Factor	Max THD (%)	Dimming Range	Source current out of 0-10V		Absolute voltage range on 0-10V (+)	
			VAC	HZ	120	208	240	277	347	480				Min	Max	Min	Max
72	310 mA	69.9	120-480	50/60	0.58	0.34	0.29	0.25	0.20	0.15	>0.9	20	10% to 100%	0mA	1mA	0V	10V
	335 mA	75.7			0.63	0.36	0.32	0.27	0.22	0.16							
	480 mA	110.7			0.92	0.53	0.46	0.40	0.32	0.23							
	500 mA	115.6			0.96	0.56	0.48	0.42	0.33	0.24							
	700 mA	160.4			1.34	0.77	0.67	0.58	0.46	0.33							

TM-21 LIFETIME CALCULATION - PROJECTED LUMEN MAINTENANCE (25°C / 77°F)						
HOURS	0	25,000	36,000	50,000	100,000	REPORTED L70
Projected Lumen Maintenance	100%	98.0%	96.9%	95.5%	90.7%	> 60,000

AMBER MULTIPLIER	
CCT	MULTIPLIER
5000K	1
AM	0.1727

2700K MULTIPLIER	
CCT	MULTIPLIER
5000K	1
2700K	0.897

LENS OPTION MULTIPLIER	
CLEAR LENS	DIFFUSED LENS
0.8615	0.7098

ADDITIONAL INFORMATION

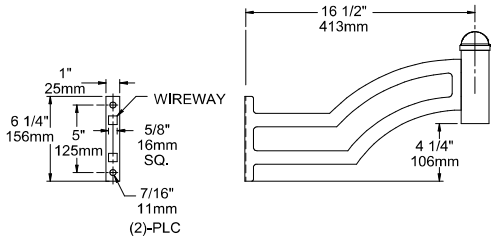
PHOTOCELL / EGRESS ADAPTERS

- Adapter(s) shall slip over a 4"/100mm DIA. pole with the luminaire or arm slipping over the adapter to add a total of 4.5"/114mm to the overall height. Adapter(s) shall be prewired, independently rotatable 359°, and have a cast access cover with an integral lens and lanyard.
- Photocell adapter shall include an internal twist lock receptacle. Photocell by others.
- Egress adapter shall require an auxiliary 120 volt supply for operation of an integral MR16 lamp in the event of emergency. The lamp may be aimed and locked into position with an adjustment range of 15°-45°. Adapter shall have a socket that accepts miniature bi-pin MR16 lamps up to 50 watts, lamp by others.

ADDITIONAL INFORMATION CONTINUED

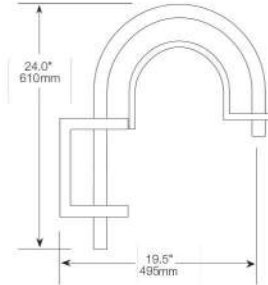
MOUNTING POLE OPTIONS

SLA2-D WT: 6 LBS EPA: .30



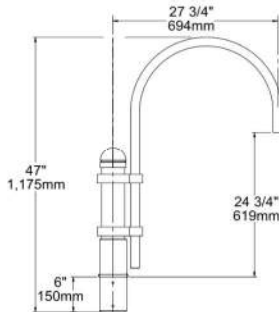
4" POLE

SLA3 WT: 8 LBS EPA: .77



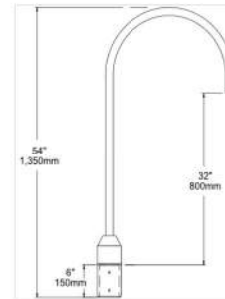
4" POLE

SLA4 WT: 14 LBS EPA: 1.39



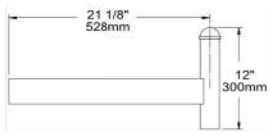
4" POLE

SLA7 WT: 9 LBS EPA: 1.34



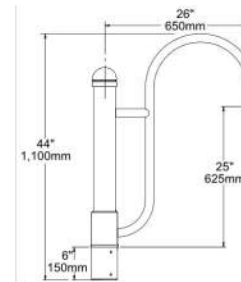
4" POLE

SLA8D WT: 5 LBS EPA: .40



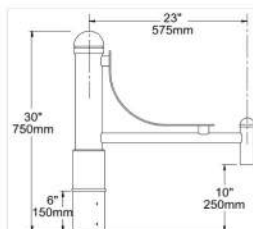
4" OR 5" POLE

SLA9 WT: 18 LBS EPA: 1.90



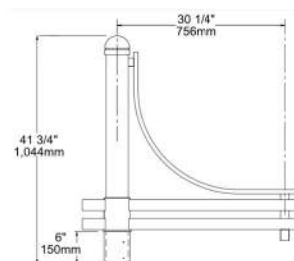
4" POLE

SLA10 WT: 9 LBS EPA: 1.09



4" POLE

SLA16 WT: 18 LBS EPA: 2.88

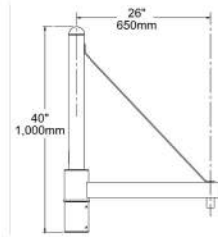


4" POLE

ADDITIONAL INFORMATION CONTINUED

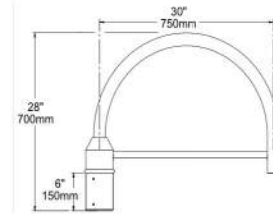
MOUNTING POLE OPTIONS

SLA17 WT: 18 LBS EPA: 1.50



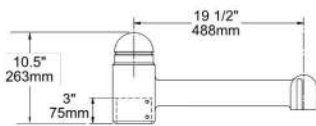
4" POLE

SLA18 WT: 12 LBS EPA: .85



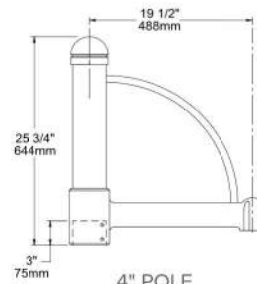
4" POLE

SLA20 WT: 10 LBS EPA: .70



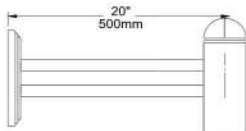
4" POLE

SLA20A WT: 15 LBS EPA: 1.30



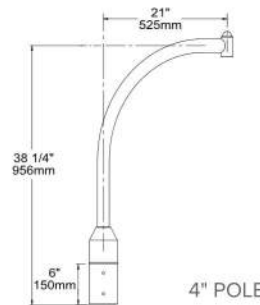
4" POLE

SLA22D WT: 4 LBS EPA: .44



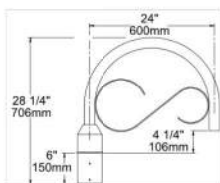
4" POLE

SLA24 WT: 9 LBS EPA: .85



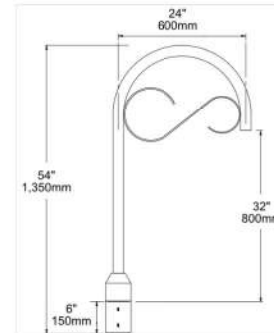
4" POLE

TRA7 WT: 12 LBS EPA: .90



4" POLE

TRA8 WT: 13 LBS EPA: 1.34



4" POLE

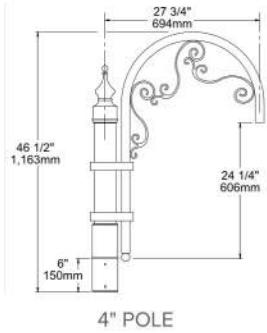
ADDITIONAL INFORMATION CONTINUED

MOUNTING POLE OPTIONS

TRA9

WT: 17 LBS

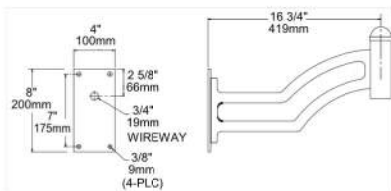
EPA: 1.90



MOUNTING WALL OPTIONS

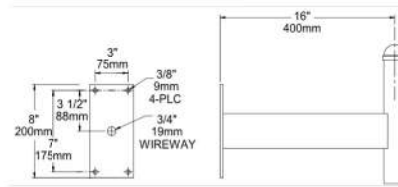
WMA5

WT: 6 LBS



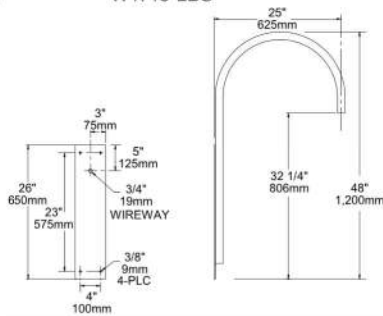
WMA9D

WT: 6 LBS



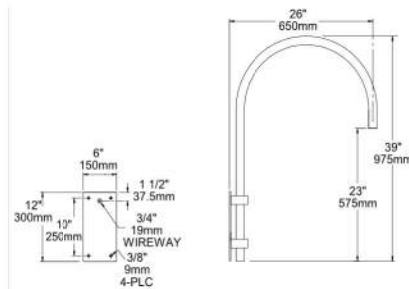
WMA11

WT: 10 LBS



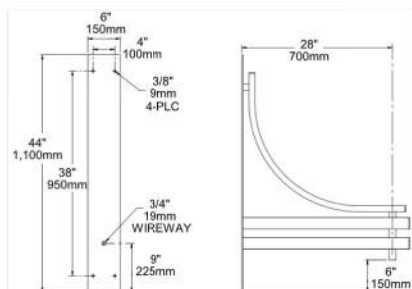
WMA12

WT: 12 LBS



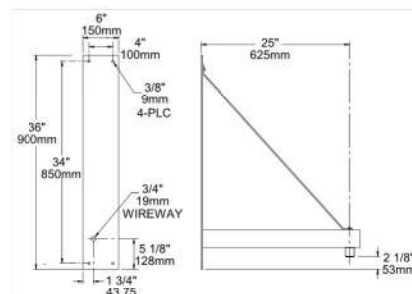
WMA16

WT: 22 LBS



WMA17

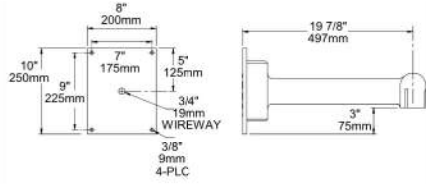
WT: 15 LBS



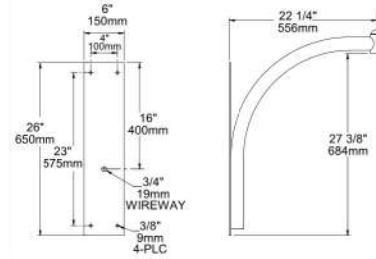
ADDITIONAL INFORMATION CONTINUED

MOUNTING WALL OPTIONS

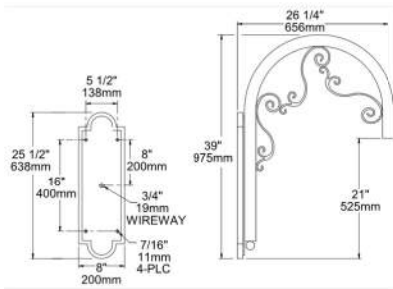
WMA20 WT: 12 LBS



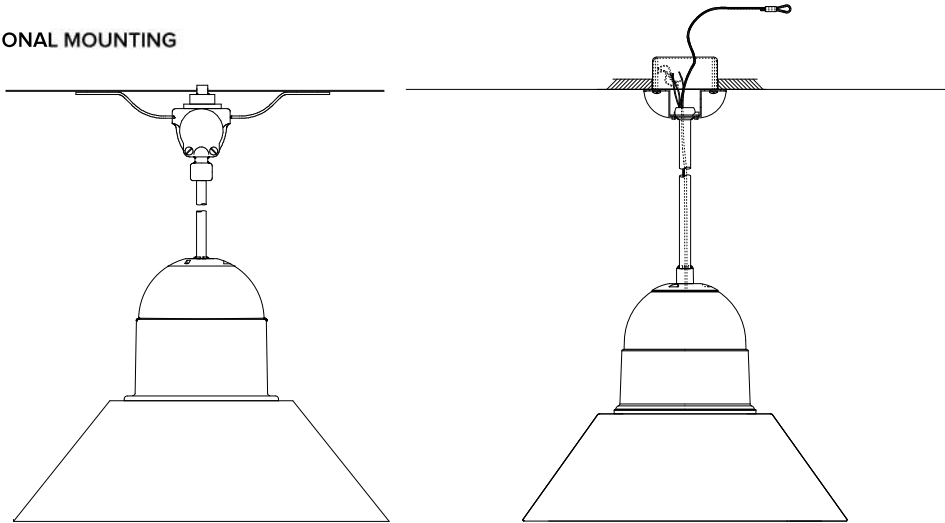
WMA24 WT: 12 LBS



WMA39 WT: 14 LBS



OPTIONAL MOUNTING



* Catenary Mount

* Pendant Mount

* Contact factory for more information



**Architectural Review Board
2026 Meeting Schedule
Conference Room 102/103 - 5:30 p.m.**

JANUARY

Thursday, January 15

JULY

Thursday, July 9

FEBRUARY

Thursday, February 12

AUGUST

Thursday, August 13

MARCH

Thursday, March 12

SEPTEMBER

Thursday, September 3

APRIL

Thursday, April 16

OCTOBER

Thursday, October 15

MAY

Thursday, May 14

NOVEMBER

Thursday, November 12

JUNE

Thursday, June 11

DECEMBER

Thursday, December 3

2nd Thursday