

Planning Commission Staff Report

Project Type:	Site Development Section Plan
Meeting Date:	June 14, 2021
From:	Natalie Nye, Planner
Location:	North of Chesterfield Airport Rd. and east of Spirit of St. Louis Blvd.
Description:	<u>Spirit of St. Louis Corporate Center, Lot 1 (Gateway Studios):</u> A Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for a 23.8-acre tract of land zoned "PC" Planned Commercial District located on the north side of Chesterfield Airport Road and east of Spirit of St. Louis Boulevard.

PROPOSAL SUMMARY

The request is for a 329,000 +/- square foot building with recording and film studio space and supporting offices located north of Chesterfield Airport Road and east of Spirit of St. Louis Blvd. The subject site is 23.8 acres and is Lot 1 of the Gateway Studios development. The subject site is being developed in conjunction with the Site Development Section Plan proposed for Lot 2, which is adjacent to this site. The subject site is zoned "PC" Planned Commercial District and is governed under the terms and conditions of City of Chesterfield Ordinance Number 2342.

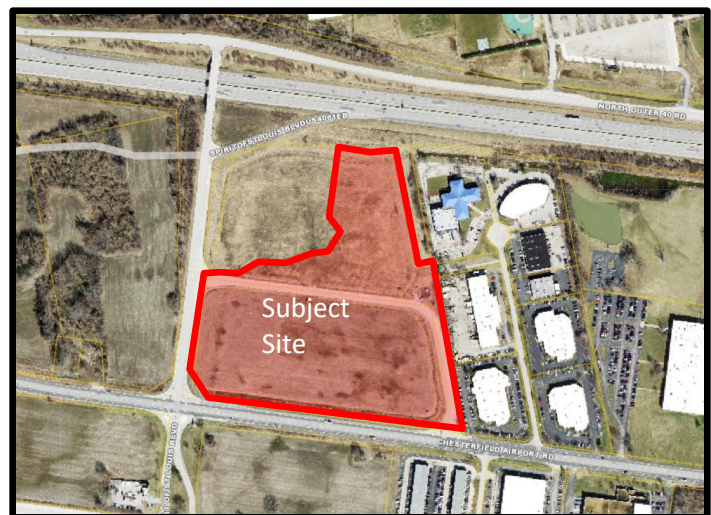


Figure 1: Subject Site Aerial

HISTORY OF SUBJECT SITE

The subject property was originally zoned "M3" Planned Industrial District by St. Louis County. On March 19, 2007 Ordinance 2342 was approved, which rezoned the property to "PC" Planned Commercial District. Following the approval of the Ordinance, a Site Development Concept Plan was approved in

2008. The plan called for a mixture of retail and office buildings on nine lots. The proposed development depicted on the 2008 Site Development Concept Plan was never built and the site remains vacant. In 2021 applications for a Boundary Adjustment Plat, Amended Site Development Concept Plan, Site Development Section Plans for Lots 1 and 2, and an Architectural Specialty Lighting Plan were submitted for the development known as Gateway Studios, a campus containing recording and film studios, office space and a hotel.

ARCHITECTURAL REVIEW BOARD INPUT

On May 13, 2021, the Architectural Review Board passed a recommendation of approval by a vote of 4-0 with two (2) conditions, as noted below:

1. Evaluate and consider additional landscaping to screen the eastern elevation from the neighboring property.
2. The detailed Landscape Plan is made available for viewing prior to the project’s review at the Planning Commission.

The applicant has since revised the plan with additional landscaping requested in Condition #1. The detailed plans requested in Condition #2 were made available for the Architectural Review Board to review and there were no further comments.

LAND USE AND ZONING

The surrounding zoning districts and land uses for this site are as follows:

Direction	Zoning	Land Use
North	Highway 40/Interstate 64 & “PS” Park and Scenic	Highway 40/Interstate 64 & Chesterfield Valley Athletic Complex
South	“M3” Planned Industrial	Vacant
East	“M3” Planned Industrial	Industrial & Office Space
West	“PC” Planned Commercial	Vacant/Agriculture

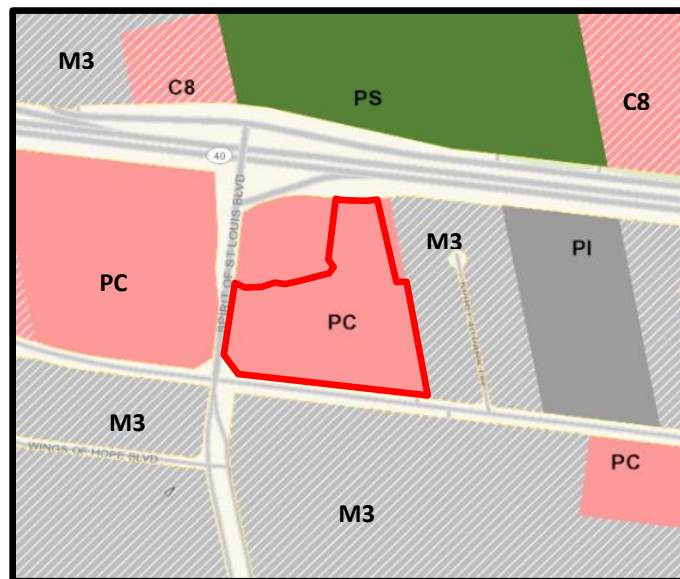


Figure 2: Zoning Map

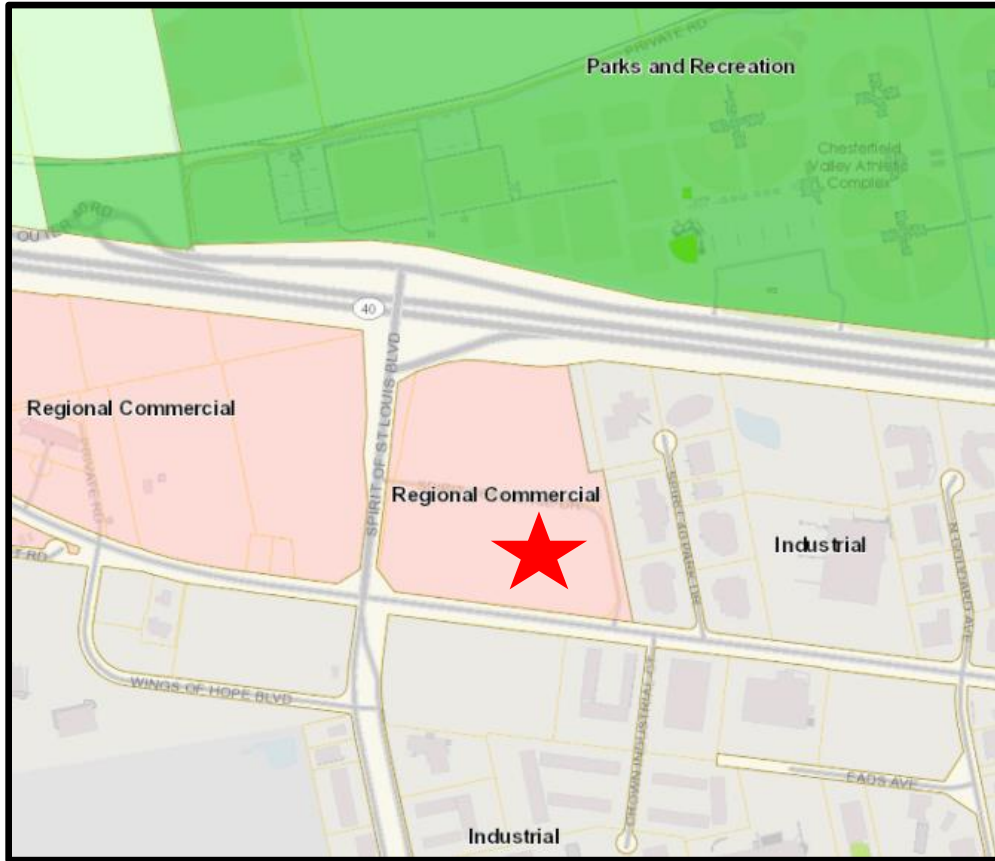


Figure 3: Future Land Use Map

COMPREHENSIVE PLAN

The City of Chesterfield Comprehensive Plan delineates the subject site within the “Regional Commercial” land use designation. The Comprehensive Plan defines this designation as areas that serve regional commercial needs and draw visitors from both Chesterfield and the surrounding areas.

The designation calls for uses that emphasize retail, dining, entertaining, hotel and leisure components. The proposed uses follow the intent of the designation as described in the Land Use Plan. The Plan includes additional policies that apply to this site.

- **Limit curb cuts on arterial streets, and where possible concentrate access at shared entrance points**

One new curb cut is proposed for this development. The new access point will be a right-in/right-out drive off of Chesterfield Airport Road. This access exceeds the City’s access management requirements. The proposed development will also utilize an internal shared drive that is already constructed and provides two additional access points for the site off of Chesterfield Airport Road and Spirit of St. Louis Blvd.

- **Landscape buffering should be utilized between roadways to screen areas of surface parking**
Landscape buffers with a mixture of plantings are proposed in order to adequately screen the site and surface parking lots.
- **Secure infrastructure for safe walking and biking between lodging and attraction centers**
An internal sidewalk network is proposed that will connect the studio and office space on Lot 1 to the hotel located on Lot 2.

STAFF ANALYSIS

Zoning

The subject site is zoned “PC” Planned Commercial District and is governed by the development standards of City Ordinance 2342. This request was reviewed against the provisions of said ordinance as well as all applicable requirements of the Unified Development Code (UDC), and the proposed development adheres to these requirements.

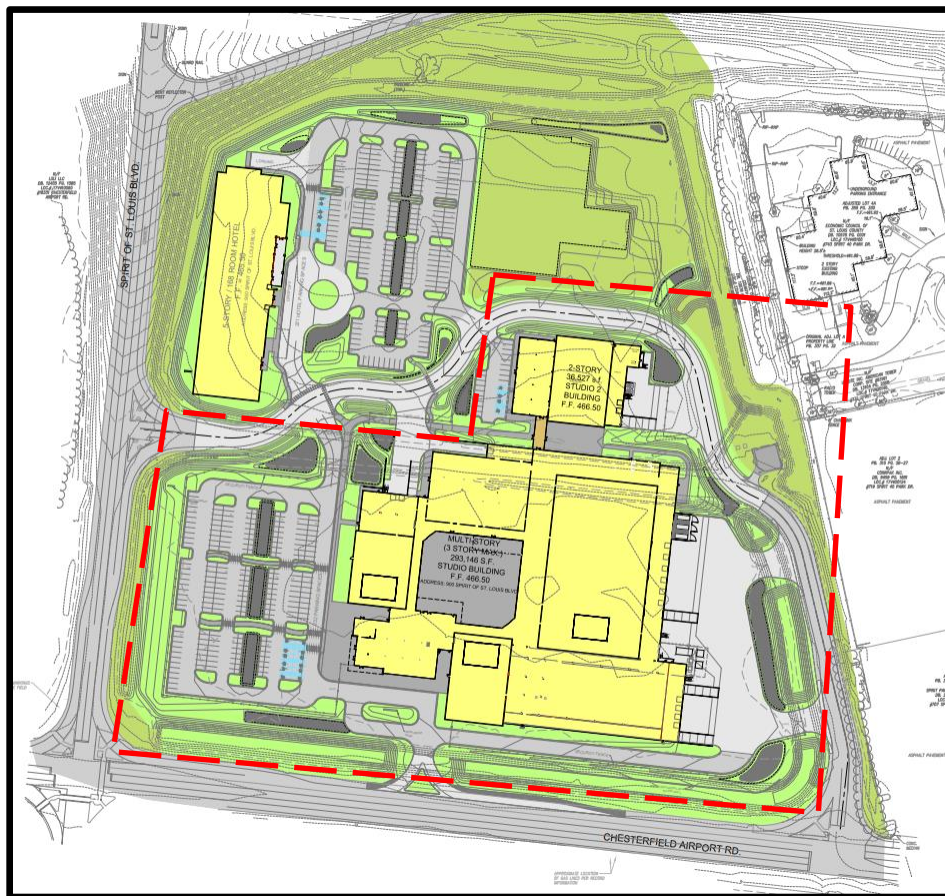


Figure 4: Colored Site Plan

Circulation System and Access

The larger Gateway Studios development will be served by three access points; two off of Chesterfield Airport Rd. and one off of Spirit of St. Louis Blvd. Lot 1 within the development, which will contain the

Main Building and Studio 2, will have six different entry points from the internal drive. The internal drive will serve both the Main Building, the Spirit Hotel and any future development. All of the access points to the Main Building and Studio 2 from the internal drive will have sliding security gates. These gates will match the proposed fencing throughout the site and will provide added security to the clientele using the studio spaces. The direct entrance to the Main Building from Chesterfield Airport Road leading to the circular entrance drive will not be gated. Sidewalks are proposed around the perimeter and throughout the site for safe pedestrian circulation. A plaza is proposed at the entrance of the Main Building. There are two additional private plazas that serve users of the site.

Off-Street Parking and Loading

The parking lot serving the Main Building is located to the west of the building. The parking lot will contain 232 parking spaces, 12 of which are ADA spaces. This parking lot will also include pedestrian walkways to guide pedestrians to the main entrance and plaza. A smaller parking lot serving the Studio 2 building is located north of the Main Building. This parking lot contains 23 parking spaces, 4 of which will be ADA spaces. The proposed parking throughout the site complies with all UDC requirements.

Landscaping

Several different areas of landscaping are proposed in accordance with City Code requirements. A 30-foot landscape buffer with a variety of tree species and shrubs is proposed along Chesterfield Airport Rd. and Spirit of St. Louis Blvd. Adequate parking lot landscaping and foundation plantings are proposed as seen below in Figure 5. Trees are proposed to line the internal drive and aid with screening of loading docks and the trash area. Additional plantings can be found within plazas and internal courtyards. A total

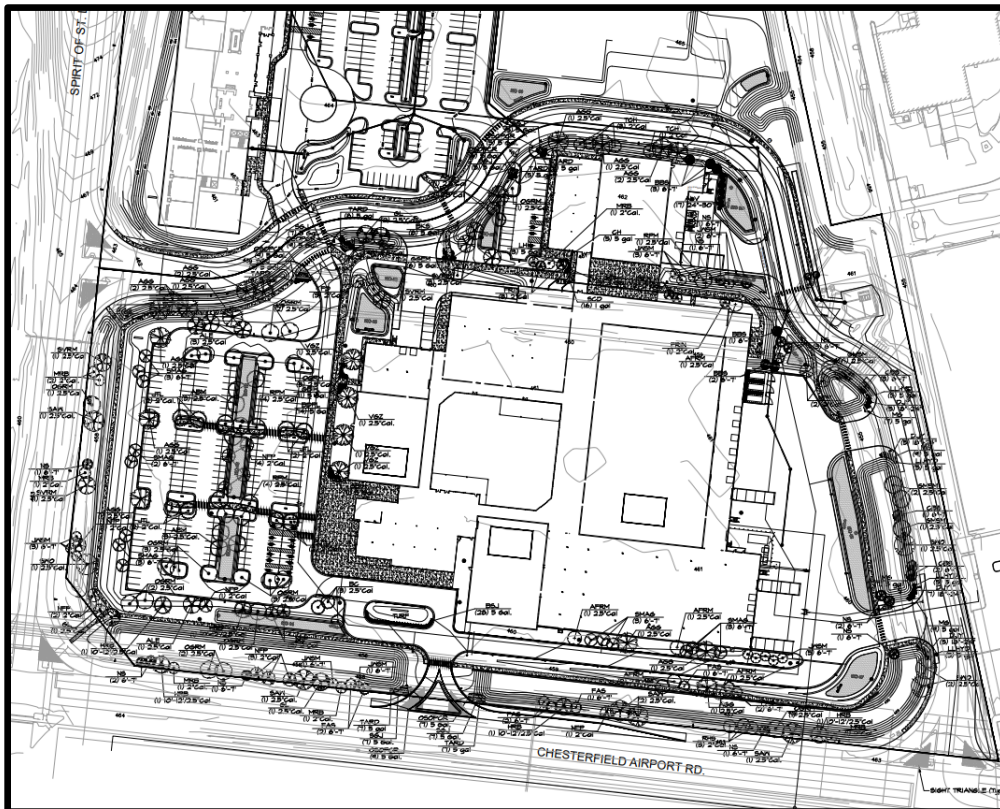


Figure 5: Landscape Plan

of 207 trees are proposed throughout Lot 1 of the development along with a variety of shrubs, perennials, and grasses. There are also fifteen appropriately landscaped bioretention areas throughout the site. All landscaping complies with UDC requirements.

The loading docks and trash receptacles are located on the eastern façades of both the Main Building and Studio 2 with some additional loading docks located on the northern façade of the Main Building. The placement of these areas on the site is to minimize the visual impact from the surrounding roadways. The trash enclosures will be constructed of the same concrete materials as the buildings and include matching black metal gates and canopies. The loading dock areas are screened with a 20' X 60' concrete panel wall.

Mechanical units will be placed on the rooftops of the buildings and screened by the building's parapet walls. The mechanical units will not be visible from the property lines or from within the site itself.

Lighting

The development will include a variety of lighting fixtures. Site lighting will be generated through 24 parking lot lights and 10 pedestrian level lights at the entry plaza. Twenty-one (21) street lights are proposed throughout the development. These street lights will serve the entire Gateway Studios development and be placed along the Chesterfield Airport Road frontage, Spirit of St. Louis Blvd. frontage and along the internal drive. All site lighting fixtures will be utilitarian in nature and will comply with the UDC requirements.

Six (6) total building light fixtures are proposed for the Main Building and Studio 2 of Lot 1. Of these fixtures, three (3) wall mounted fixtures comply with the lighting standards found in the UDC. There are two (2) accent light fixtures depicted in Figure 6. These light fixtures accent the architecture of the building without allowing light levels to trespass beyond the roof of the building. The accent lighting will require approval from the Planning Commission. Finally, a color changing wall wash fixture is proposed for the Main Building. The use of this lighting fixture requires the approval of an Architectural Specialty Lighting Package.



Figure 6: Accent Light Fixtures

Architectural Elevations

The Main Building is comprised of three distinct designs. The first showcases a three-story office space. The office is designed as the entry way to the building, facing the plaza and parking lot. The office has a glass façade with steel and wood panel accents, and recessed metal canopies at the entrance points. This area of the building stands 54 feet in height. The second design serves the three proposed studio spaces. These are large, private studios for recording, rehearsing and filming. The acoustics require insulated walls with minimal openings. The design of these spaces utilizes tilt-up concrete panels with an exposed concrete pattern on the exterior. These studio spaces are known as Studio 65, Studio 75 and Studio 80. Heights of these studios are 80', 88' 6", and 99' 6" respectively. The last design element is

used for the studio support buildings which house storage, loading docks, kitchen, and recreation spaces. These areas are designed to contrast the light gray studio walls by using a dark gray integrally colored concrete. The support areas match the office space in scale and are 54 feet in height at the highest point. These three elements are all connected to make up one large Main Building. Variations in height, material, and size allow for interest for the large building, all while the different components complement each other in design and function. The Main Building is a total of 293,146 square feet. The Studio 2 building utilizes similar design elements and materials as the Main Building. The office area of the Studio 2 building is all glass with steel accents connecting to the studio area which uses both the tilt-up gray concrete panels and the dark gray concrete walls. Studio 2 will be 36,527 square feet in size and stand 50' tall. An enclosed pedestrian walkway will connect the two buildings.

The primary materials for both the Main Building and Studio 2 are showcased in both the elevation and rendering below. The primary material used for the studio spaces is light gray, tilt-up concrete panels. The exposed concrete texture will be highlighted by the formliner pattern. The support spaces will also be surrounded with concrete paneling, however will be a smooth texture and dark gray, "onyx", color. The office and entrance areas will be all glass with black metal accents and metal canopies. Additionally, there will be some wood paneling highlighting the entrance ways. The glass will be a shade of blue/grey.

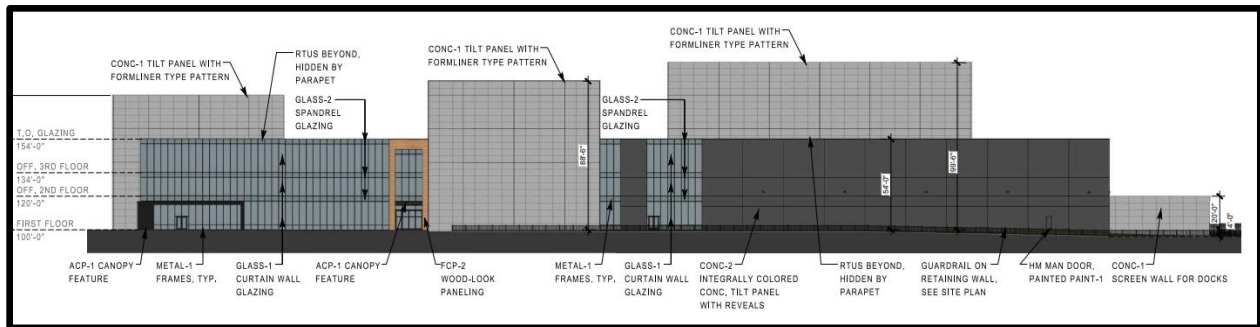


Figure 7: Front Elevation

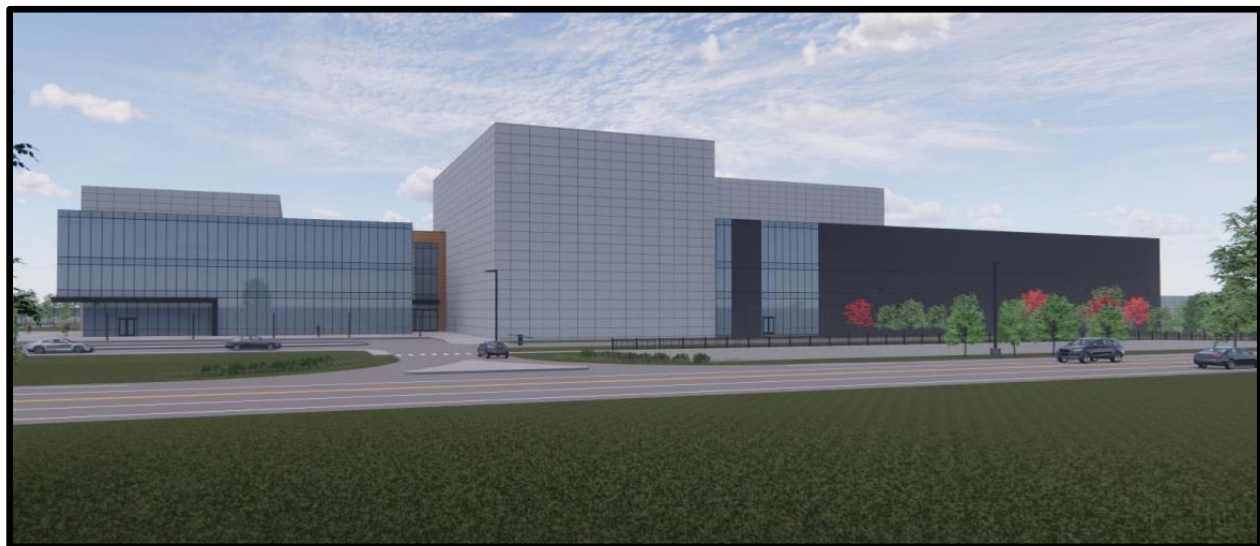


Figure 8: Architectural Rendering

STAFF RECOMMENDATION

Staff has reviewed the project and has found the proposal to be in compliance with the site-specific ordinance, Comprehensive Plan, and all City Code requirements. Staff recommends approval of the Spirit of St. Louis Corporate Center Lot 1 (Gateway Studios).

MOTION

The following options are provided to the Planning Commission for consideration relative to this application:

- 1) “I move to approve (or deny) the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect’s Statement of Design for Spirit of St. Louis Corporate Center Lot 1 (Gateway Studios)”.
- 2) “I move to approve the Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect’s Statement of Design for Spirit of St. Louis Corporate Center Lot 1 (Gateway Studios) with the following conditions...” (Conditions may be added, eliminated, altered or modified)

Attachments: Site Development Section Plan Submittal Packet

ABBREVIATIONS

C.O.	CLEANOUT
D.B.	DEED BOOK
E.	ELECTRIC
FL	FLOWLINE
FT	FEET
FND	FOUND
M.H.	MANHOLE
N/F	NAD OR FORMERLY PLAT BOOK
P.C.	PAGE
P.V.C.	POLYVINYL CHLORIDE PIPE
R.S.	RADIOL BEARING
R.C.P.	REINFORCED CONCRETE PIPE
S.O.	SQUARE
T.	TELEPHONE CABLE
V.C.P.	VERTIFIED CLAY PIPE
W.	WATER
(86'W)	RIGHT-OF-WAY WIDTH

LEGEND

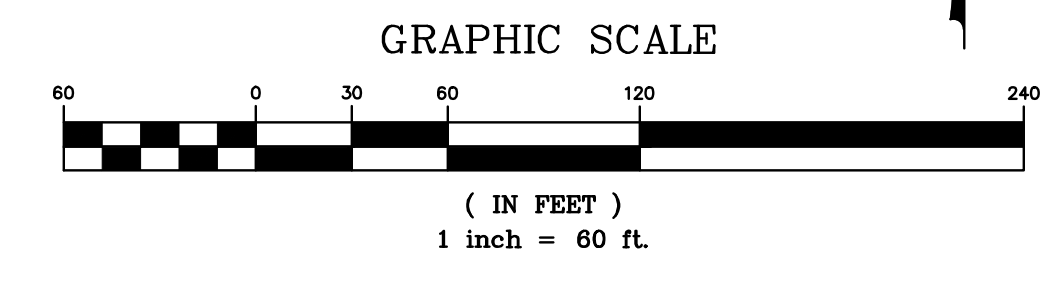
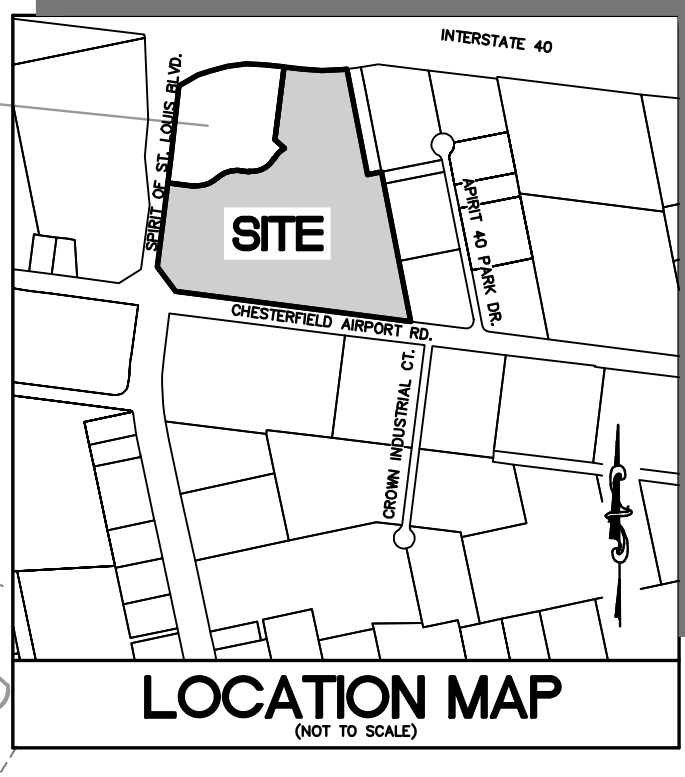
(Symbol)	EXISTING CONTOURS
(Symbol)	PROPOSED CONTOURS
(Symbol)	EXISTING SANITARY SEWERS
(Symbol)	PROPOSED SANITARY SEWERS
(Symbol)	EXISTING STORM SEWERS
(Symbol)	PROPOSED STORM SEWERS
(Symbol)	CLUSTERLINE
(Symbol)	EASEMENT
(Symbol)	PROPOSED SPOT ELEVATION

SITE DEVELOPMENT SECTION PLAN

FOR GATEWAY STUDIOS

GATEWAY STUDIOS AND HOTEL
 A TRACT OF LAND BEING LOT 1 OF THE PROPOSED BOUNDARY ADJUSTMENT PLAN OF LOT A OF THE LOT SPLIT PLAT OF PART OF LOT 5 OF R.H. STEVENS FARM AS RECORDED IN PLAT BOOK 355, PAGE 929, PART OF VACATED RIGHT OF WAY OF SPIRIT OF ST. LOUIS BOULEVARD AS RECORDED IN BOOK 22621 PAGE 800, AND PART OF ADJUSTED LOT B OF THE BOUNDARY ADJUSTMENT PLAN AS RECORDED IN PLAT BOOK 355, PAGE 930, LOCATED IN TOWNSHIP 45 NORTH, RANGE 3 EAST OF THE 5TH PRINCIPAL MERIDIAN CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI
ZONED 'PC'

PREPARED BY:
STOCK & ASSOCIATES
 Consulting Engineers, Inc.
 257 Chesterfield Business Parkway
 St. Louis, MO 63005 PH: (636) 530-9300
 500-9300 FAX: (636) 530-9300
 e-mail: general@stockass.com
 Web: www.stockass.com



GENERAL NOTES:

- BOUNDARY AND TOPOGRAPHICAL SURVEY BY STOCK AND ASSOCIATES CONSULTING ENGINEERS, INC. (BASIS OF BEARINGS: MISSOURI STATE PLANE, GRID NORTH).
- GRADING & STORM WATER PER THE CITY OF CHESTERFIELD, THE ST. LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC AND MSD.
- SUBJECT PROPERTY LIES WITHIN FLOOD ZONE "AH" (AREAS WITH FLOOD DEPTHS OF 1 TO 3 FEET, USUALLY AREAS OF PONDING, BASE FLOOD ELEVATIONS 457 FEET) AND FLOOD ZONE "X" (SHADED AREAS OF 500-YEAR FLOOD; AREAS OF 100-YEAR FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN ONE SQUARE MILE AND AREAS PROTECTED BY LEVEES FROM 100-YEAR FLOOD) ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP FOR THE ST. LOUIS COUNTY, MISSOURI AND INCORPORATED AREAS. THIS MAP IS IDENTIFIED AS MAP NO. 29189C0145 K WITH AN EFFECTIVE DATE OF FEB. 4, 2015.
- THE REGULATORY 100-YR WATER SURFACE ELEVATION FOR THIS SITE IS CONTROLLED BY THE CHESTERFIELD VALLEY STORM WATER MASTER PLAN MODEL. THE LOWEST FLOOR OF ANY BUILDING NEEDS TO BE AT LEAST 1 FOOT ABOVE THE ELEVATION OF THE 100-YR WATER SURFACE OF ANY FLOOD WITHIN 200 FEET OF THE BUILDING FOOTPRINT. THE 100-YR WATER ELEVATION VARIES FROM 459.40 AT SOUTHWEST CORNER OF SITE TO 457.4 AT NORTHWEST CORNER OF SITE TO 457.2 AT NORTHEAST CORNER OF SITE. FOR BUILDINGS ALONG WESTERN PORTION OF SITE, 458.4 WILL BE THE CONTROLLING ELEVATION. FOR BUILDINGS ALONG NORTHERN PORTION OF SITE, 457.4 WILL BE THE CONTROLLING ELEVATION.
- ALL UTILITIES SHOWN HAVE BEEN LOCATED BY THE ENGINEER FROM AVAILABLE RECORDS. THEIR LOCATION SHOULD BE CONSIDERED APPROXIMATE. THE CONTRACTOR HAS THE RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES, PRIOR TO CONSTRUCTION, TO HAVE EXISTING UTILITIES FIELD LOCATED. SHOULD ANY CONFLICTS BE EVIDENT, THE CONTRACTOR SHALL NOTIFY THE OFFICE OF THE ENGINEER IMMEDIATELY.
- ARCHITECTURAL ELEVATIONS, SITE LANDSCAPING PLANS, SITE LIGHTING PLANS AND SITE SIGNAGE PLANS SHALL BE SUBMITTED TO THE CITY OF CHESTERFIELD AS INDIVIDUAL LOTS ARE DEVELOPED ON THIS SITE DEVELOPMENT SECTION PLAN.
- ON-SITE STORM WATER DRAINAGE REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE CHESTERFIELD VALLEY MASTER STORM WATER DRAINAGE PLAN AND AS DIRECTED BY THE CITY OF CHESTERFIELD.
- OFF-SITE GRADING EASEMENTS, IF REQUIRED, SHALL BE EXECUTED AND RECORDED PRIOR TO THE COMMENCEMENT OF ANY OFF-SITE GRADING.
- CROSS-ACCESS EASEMENTS WHERE REQUIRED, SHALL BE EXECUTED AND RECORDED AS INDIVIDUAL LOTS ARE DEVELOPED.
- NO TREES AND LANDSCAPING MAY BE LOCATED WITHIN THE HIGH-WATER LIMITS OF THE CHESTERFIELD VALLEY MASTER STORM WATER DRAINAGE DITCHES.
- PRIOR TO SPECIAL USE PERMIT ISSUANCE BY THE SAINT LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC, A SPECIAL CASH ESCROW OR A SPECIAL ESCROW SUPPORTED BY AN IRREVOCABLE LINE OF CREDIT, MUST BE ESTABLISHED WITH THE SAINT LOUIS COUNTY.
- ACCESS TO THIS DEVELOPMENT FROM CHESTERFIELD AIRPORT ROAD SHALL BE VIA TWO ENTRANCES. ENTRANCES ARE TO PROVIDE REQUIRED SIGHT DISTANCE AND CONSTRUCTION TO SAINT LOUIS COUNTY STANDARDS AS DIRECTED BY THE SAINT LOUIS COUNTY DEPARTMENT OF HIGHWAYS AND TRAFFIC.
- ALL BUILDINGS AND ROADWAYS SHALL BE ELEVATED A MINIMUM 1 FOOT ABOVE THE MAX. HIGH-WATER ELEVATION IN THE CHESTERFIELD MASTER MODEL.
- MAXIMUM HEIGHT OF ALL BUILDINGS, EXCLUSIVE OF ROOF SCREENING SHALL NOT EXCEED FIVE (5) STORES ON THE NORTHERNMOST LOT AND MAX. THREE (3) STORES ON ALL OTHER LOTS. ANY RETAIL DEVELOPMENT ON ANY LOT SHALL NOT EXCEED TWO (2) STORES IN HEIGHT.
- ALL PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED TO ST. LOUIS COUNTY, MO607 AND THE CITY OF CHESTERFIELD STANDARDS.
- ALL GRADING AND DRAINAGE TO BE IN CONFORMANCE WITH THE ST. LOUIS COUNTY, MSD AND CITY OF CHESTERFIELD STANDARDS.
- NO SLOPES WITHIN SAINT LOUIS COUNTY RIGHT-OF-WAY SHALL EXCEED 3 (HORIZONTAL) TO 1 (VERTICAL).
- STORM WATER SHALL BE DISCHARGED AT AN ADEQUATE NATURAL DISCHARGE POINT. SINKHOLES ARE NOT ADEQUATE DISCHARGE POINTS.
- AN ELEVATION CERTIFICATE WILL NEED TO BE COMPLETED FOR ANY STRUCTURE LOCATED WITHIN THE SUPPLEMENTAL PROTECTION AREA (SPA) AS DEFINED BY SECTION 405.05, FLOOD DAMAGE PREVENTION, OF THE CITY CODE.
- A SIGN PACKAGE IS REQUIRED FOR THIS DEVELOPMENT AND MUST BE APPROVED BY THE PLANNING COMMISSION.
- SETBACKS:
 a) 30 FEET FROM EASTERN BOUNDARY
 b) 30 FEET FROM R.O.W. SPIRIT OF ST. LOUIS BLVD.
 c) 30 FEET FROM R.O.W. CHESTERFIELD AIRPORT ROAD
 d) 30 FEET FROM R.O.W. INTERSTATE 64 (U.S. 40-41)
 e) 15 FEET FROM PRINCIPAL INTERNAL STREET
 f) 30 FEET FROM THE EAST AND WEST PROPERTY LINES OF THIS DEVELOPMENT
 g) 30 FEET FROM THE R.O.W. INTERSTATE 64 (U.S. 40-41)
- LIGHT FIXTURES SHALL NOT EXCEED 20 FEET IN HEIGHT.
- PARKING CALCULATIONS:
 ART STUDIO: 1 SPACE FOR EVERY 4 SEATS (SECTION 405.04.040.09)
 255 SPACES PROVIDED
 11000 SEATS ALLOWED
 16 ADA SPACES PROVIDED (6 VAN ACCESSIBLE)
- OPEN SPACE CALCULATION:
 LOT AREA = 1,038,818 S.F.
 BUILDING = 235,550 S.F. (23.0%)
 PAVEMENT = 210,488 S.F. (20.2%)
 OPEN SPACE = 588,780 S.F. (56.8%)
- FLOOR AREA RATIO:
 TOTAL FLOOR SPACE/LOT AREA
 STUDIO 1 = 293,146 S.F.
 STUDIO 2 = 36,527 S.F.
 329,673 S.F. / 1,038,818 S.F. = 0.31 F.A.R.
 TOTAL FLOOR SPACE/DEVELOPED PROPERTY
 508,464 S.F. / 1,341,747 S.F. = 0.37 F.A.R.

PERTINENT DATA

SITE ACREAGE	= 23.848 ACRES
EXISTING ZONING	= 'PC-C' (ORD. #2342)
FIRE DISTRICT	= ROCKWOOD
SCHOOL DISTRICT	= MONARCH
WATERSHED AREA	= METROPOLITAN ST. LOUIS SEWER DIST.
WATER SERVICE	= MISSOURI AMERICAN WATER CO.
GAS SERVICE	= SPIRE
ELECTRIC SERVICE	= AmerenUE
PHONE SERVICE	= AT&T
LOCATOR NUMBER	= 17V440111, 17V430046, 17V420168
OWNER	= N/F SPIRIT LAND, LLC DB: 22320 PG. 1214 N/F GUNDAKER, GORDON A JR DB: 19366 PG. 361 = 900 & 950 SPIRIT OF ST. LOUIS BLVD. = PAGE 20, GRID II-18



LEGEND

(Symbol)	BENCH MARK
(Symbol)	FOUND IRON ROD
(Symbol)	FOUND IRON PIPE
(Symbol)	RIGHT OF WAY MARKER
(Symbol)	UTILITY POLE
(Symbol)	UTILITY POLE WITH LIGHT
(Symbol)	LIGHT STANDARD
(Symbol)	ELECTRIC METER
(Symbol)	ELECTRIC MANHOLE
(Symbol)	ELECTRIC PEDestal
(Symbol)	ELECTRIC SIGNAL BOX
(Symbol)	GAS DRP
(Symbol)	GAS VALVE
(Symbol)	TELEPHONE MANHOLE
(Symbol)	TELEPHONE PEDestal
(Symbol)	TELEPHONE SIGNAL BOX
(Symbol)	CABLE TV PEDestal
(Symbol)	FIRE HYDRANT
(Symbol)	FIRE DEPARTMENT CONNECTION
(Symbol)	WATER MANHOLE
(Symbol)	WATER METER
(Symbol)	WATER VALVE
(Symbol)	POST INDICATOR VALVE
(Symbol)	CLEAN OUT
(Symbol)	STORM MANHOLE
(Symbol)	STORMWATER INLET
(Symbol)	GRATED STORMWATER INLET
(Symbol)	TREE
(Symbol)	BUSH
(Symbol)	TRAFFIC SIGNAL
(Symbol)	PARKING METER
(Symbol)	STREET SIGN
(Symbol)	SPRINKLER
(Symbol)	MAIL BOX

ST. LOUIS COUNTY BENCHMARK

BENCHMARK #1122
 NGVD29 Elev = 465.47
 Cut "L" on the northernmost corner of the concrete base for a metal traffic signal control box situated southeast of the right turn lane from northbound Spirit of St. Louis Boulevard onto eastbound Chesterfield Airport Road, roughly 76 feet east of the centerline of Spirit of St. Louis Boulevard, 79 feet south of the centerline of Chesterfield Airport Road, and 23 feet west of the southwest corner of Spirit Airport entrance sign.

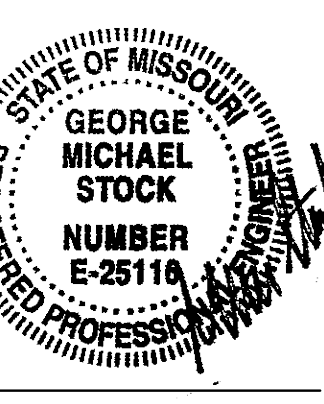
SITE BENCHMARK

ELEV = 462.38
 P.N.D. CUT CROSS AT THE NORTHWEST INTERSECTION OF CHESTERFIELD AIRPORT ROAD AND SPIRIT COMMERCIAL DRIVE AS SHOWN HEREON.

PREPARED FOR:
GATEWAY STUDIOS, LLC
 JENKINS & KLING, P.C.
 150 NORTH MERAMEC AVE., SUITE 400
 CLAYTON, MO. 63105
 ATTN: MR. STEPHEN L. KLING, JR., ESQ.

N/F
 DE H. SCOTT, SR AND
 LONETIA A. SCOTT, TRUSTEES
 LOC # 17V420168
 18122 CHESTERFIELD AIRPORT ROAD

PREPARED BY:
STOCK & ASSOCIATES
 Consulting Engineers, Inc.
 257 Chesterfield Business Parkway
 St. Louis, MO 63005 PH: (636) 530-9300
 500-9300 FAX: (636) 530-9300
 e-mail: general@stockass.com
 Web: www.stockass.com



GEORGE M. STOCK
 CIVIL ENGINEER
 CERTIFICATE OF AUTHORITY
 NUMBER: 00099

REVISIONS:

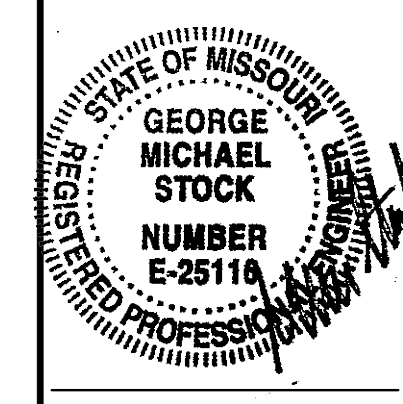
1	City Comments	4/1/2021
2	City Comments	4/16/2021
3	City Comments	6/18/2021

DRWN BY: J.E.F.
 CHECKED BY: G.M.S.
 DATE: 02/26/2021
 JOB NO: 220-8874
 S.C.D. P. #: 17V1
 S.L.C. HMT #: HMT S.U.P. #
 M.D.N.R. #
 SHEET TITLE:
SITE DEVELOPMENT SECTION PLAN
 SHEET NO.:
SD-1.0

PREPARED BY:

FOR:
GATEWAY STUDIOS
GATEWAY STUDIOS AND HOTEL

900 SPIRIT OF ST. LOUIS BLVD.
CHESTERFIELD, MISSOURI 63005



REVISIONS:

1	City Comments	4/1/2021
2	City Comments	4/16/2021
3	City Comments	6/16/2021

DRAWN BY: J.E.F.	CHECKED BY: G.M.S.
DATE: 02/26/2021	JOB NO. 220-6874
MSD. P. #	BASE MAP #
S.L.C. MAT. #	MAT. SUP. #
M.D.N.R. #	

SHEET TITLE:
SITE DEVELOPMENT SECTION PLAN

SHEET NO.:
SD-2.0

LOT 1

A tract of land being Lot A of the Lot Split Plat of part of Lot 5 of R.H. Stevens Farm as recorded in Plat Book 355, Page 329, and part of vacated right of way of Spirit of St. Louis Boulevard as recorded in Book 22621 Page 800, and part of Adjusted Lot B of the Boundary Adjustment Plat as recorded in Plat Book 355, Page 330, located in Township 45 North, Range 3 East of the Fifth Principal Meridian City of Chesterfield, St. Louis County, Missouri being more particularly described as follows:

Beginning at the southeast corner of above said Adjusted Lot B, also being the southwest corner of Adjusted Lot 1 of "Boundary Adjustment Plat of Lots 1, 2 & 3 of Spirit Park" according to the plat thereof as recorded in Plat Book 315 on pages 26 & 27 both in the St. Louis County records, said point also being located on the north right-of-way line of Chesterfield Airport Road, 100 feet wide; thence along said north right-of-way line, North 83 degrees 41 minutes 09 seconds West, 1,235.32 feet to a found iron rod; thence North 37 degrees 45 minutes 39 seconds West, 158.13 feet to a found iron rod located on the east right-of-way line of Spirit of St. Louis Boulevard as established by instrument recorded in Book 22621, Page 800 of above said records; thence along said right-of-way line of Spirit of St. Louis Boulevard as established by instrument recorded in Book 22621, Page 800 of above said records; thence along said right-of-way line, North 06 degrees 09 minutes 06 seconds East, 585.34 and North 05 degrees 22 minutes 25 seconds East, 364.63 feet to a found iron rod located at its intersection with the southern right-of-way line of Missouri Interstate Route 64, as established by instrument recorded in Book 18172, Page 1976 and Book 189241 Page 285 of above said records; thence along said right-of-way line the following courses and distances: North 59 degrees 11 minutes 20 seconds East, 114.93 feet; North 71 degrees 19 minutes 22 seconds East, 65.33 feet; North 72 degrees 58 minutes 52 seconds East, 96.37 feet; North 82 degrees 02 minutes 56 seconds East, 94.56 feet; South 88 degrees 23 minutes 59 seconds East, 94.82 feet and South 84 degrees 07 minutes 04 seconds East, 200.00 feet; South 86 degrees 56 minutes 14 seconds East, 103.48 feet; North 85 degrees 57 minutes 54 seconds East, 103.93 feet and North 81 degrees 2 minutes 48 seconds East, 25.19 feet to the northeast corner of above said Adjusted Lot B; thence along the eastern line of said Adjusted Lot B, South 12 degrees 06 minutes 00 seconds East, 561.40 feet; thence North 77 degrees 54 minutes 00 seconds East, 73.36 feet; thence South 12 degrees 06 minutes 00 seconds East, 793.59 feet to the POINT OF BEGINNING.

Containing 1,341,747.41 square feet or 30.8023 acres, more or less.

Containing 1,038,819 square feet or 23.848 acres, more or less.

TOTAL TRACT

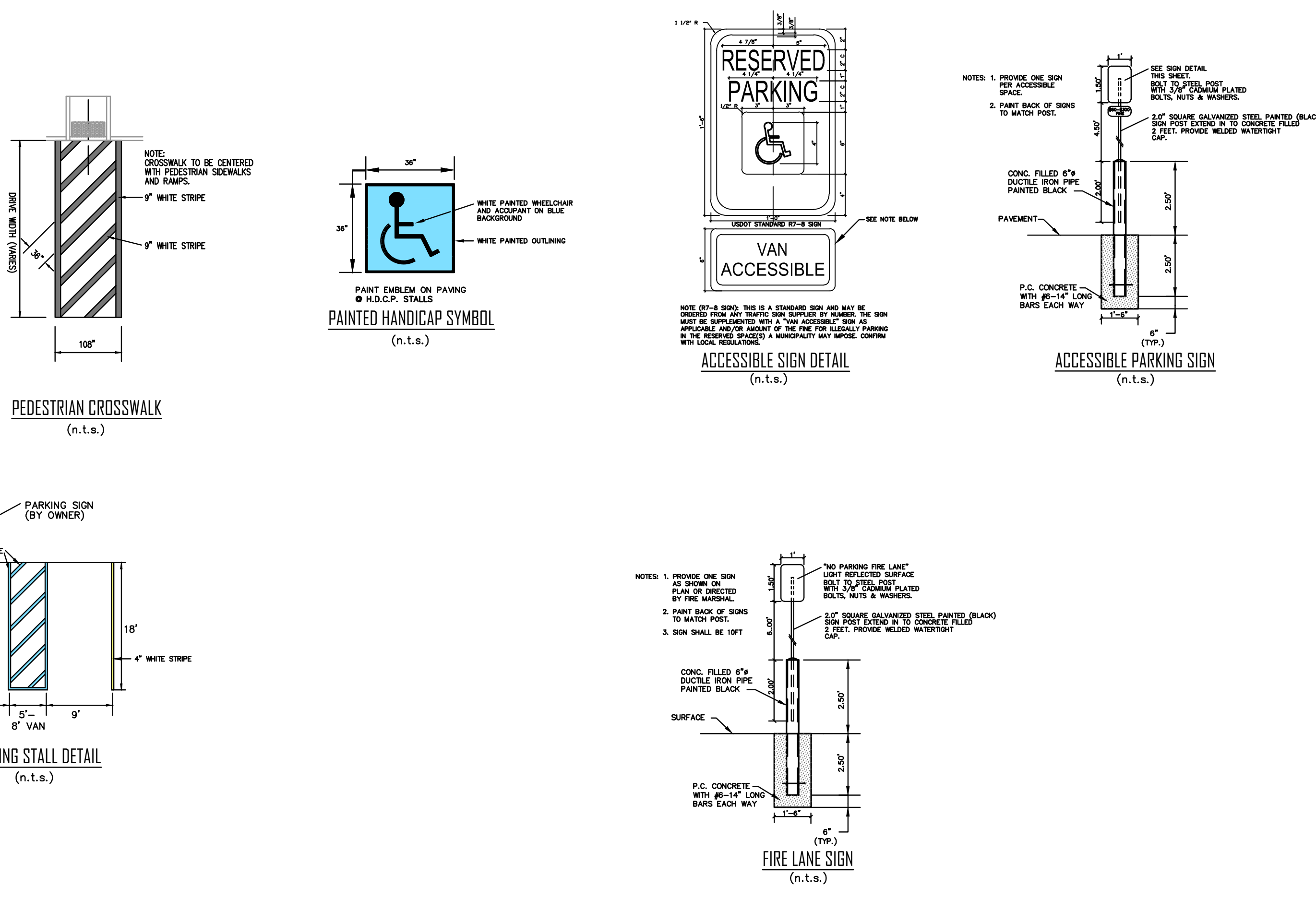
A tract of land being Lot A of the Lot Split Plat of part of Lot 5 of R.H. Stevens Farm as recorded in Plat Book 355, Page 329, and part of vacated right of way of Spirit of St. Louis Boulevard as recorded in Book 22621 Page 800, and part of Adjusted Lot B of the Boundary Adjustment Plat as recorded in Plat Book 355, Page 330, located in Township 45 North, Range 3 East of the Fifth Principal Meridian City of Chesterfield, St. Louis County, Missouri being more particularly described as follows:

Beginning at the southeast corner of above said Adjusted Lot B, also being the southwest corner of Adjusted Lot 1 of "Boundary Adjustment Plat of Lots 1, 2 & 3 of Spirit Park" according to the plat thereof as recorded in Plat Book 315 on pages 26 & 27 both in the St. Louis County records, said point also being located on the north right-of-way line of Chesterfield Airport Road, 100 feet wide; thence along said north right-of-way line, North 83 degrees 41 minutes 09 seconds West, 1,235.32 feet to a found iron rod; thence North 37 degrees 45 minutes 39 seconds West, 158.13 feet to a found iron rod located on the east right-of-way line of Spirit of St. Louis Boulevard as established by instrument recorded in Book 22621, Page 800 of above said records; thence along said right-of-way line of Spirit of St. Louis Boulevard as established by instrument recorded in Book 22621, Page 800 of above said records; thence along said right-of-way line, North 06 degrees 09 minutes 06 seconds East, 585.34 and North 05 degrees 22 minutes 25 seconds East, 364.63 feet to a found iron rod located at its intersection with the southern right-of-way line of Missouri Interstate Route 64, as established by instrument recorded in Book 18172, Page 1976 and Book 189241 Page 285 of above said records; thence along said right-of-way line the following courses and distances: North 59 degrees 11 minutes 20 seconds East, 114.93 feet; North 71 degrees 19 minutes 22 seconds East, 65.33 feet; North 72 degrees 58 minutes 52 seconds East, 96.37 feet; North 82 degrees 02 minutes 56 seconds East, 94.56 feet; South 88 degrees 23 minutes 59 seconds East, 94.82 feet and South 84 degrees 07 minutes 04 seconds East, 200.00 feet; South 86 degrees 56 minutes 14 seconds East, 103.48 feet; North 85 degrees 57 minutes 54 seconds East, 103.93 feet and North 81 degrees 2 minutes 48 seconds East, 25.19 feet to the northeast corner of above said Adjusted Lot B; thence along the eastern line of said Adjusted Lot B, South 12 degrees 06 minutes 00 seconds East, 561.40 feet; thence North 77 degrees 54 minutes 00 seconds East, 73.36 feet; thence South 12 degrees 06 minutes 00 seconds East, 793.59 feet to the POINT OF BEGINNING.

Containing 1,341,747.41 square feet or 30.8023 acres, more or less.

COUNTY NOTES

- All proposed improvements shall be constructed to St. Louis County Standards.
- No slopes within St. Louis County right-of-way shall exceed 3 (horizontal) to 1 (vertical).
- Storm water shall be discharged at an adequate natural discharge point. Sinkholes are not adequate discharge points.
- All proposed access to St. Louis County roads shall meet minimum St. Louis County sight distance requirements.
- All grading and drainage shall be in conformance with St. Louis County and MSD Standards.
- All hydrants, power poles or other potential obstructions within the St. Louis County road right-of-way shall have a minimum two (2) foot setback from face of curb or edge of pavement, as directed by the St. Louis County Department of Highways and Traffic.
- Any entity that performs work on St. Louis County maintained property shall provide the County with a Certificate of Insurance evidencing general liability coverage (bodily injury and property damage) in the amounts specified as the limits of liability set by the State for public entities. Such certificate shall include "St. Louis County" as an additional insured and shall be provided prior to the issuance of any permit. Certificate shall provide for a 30 day policy cancellation notice to St. Louis County. Upon request, the County will provide the specific amounts for both per person and per occurrence limits.
- Prior to "Special Use Permit" issuance by the St. Louis County Department of Highways and Traffic, a special cash escrow or a special escrow supported by an Irrevocable Letter of Credit, may be required to be established with the St. Louis County Department of Highways and Traffic to guarantee completion of the required roadway improvements.
- Continuous pedestrian access shall be provided during the construction process. Prior to the start of construction, adequate pedestrian access around the site shall be provided and verified. No existing sidewalk shall be removed without providing adequate pedestrian facilities and routes during construction activities.

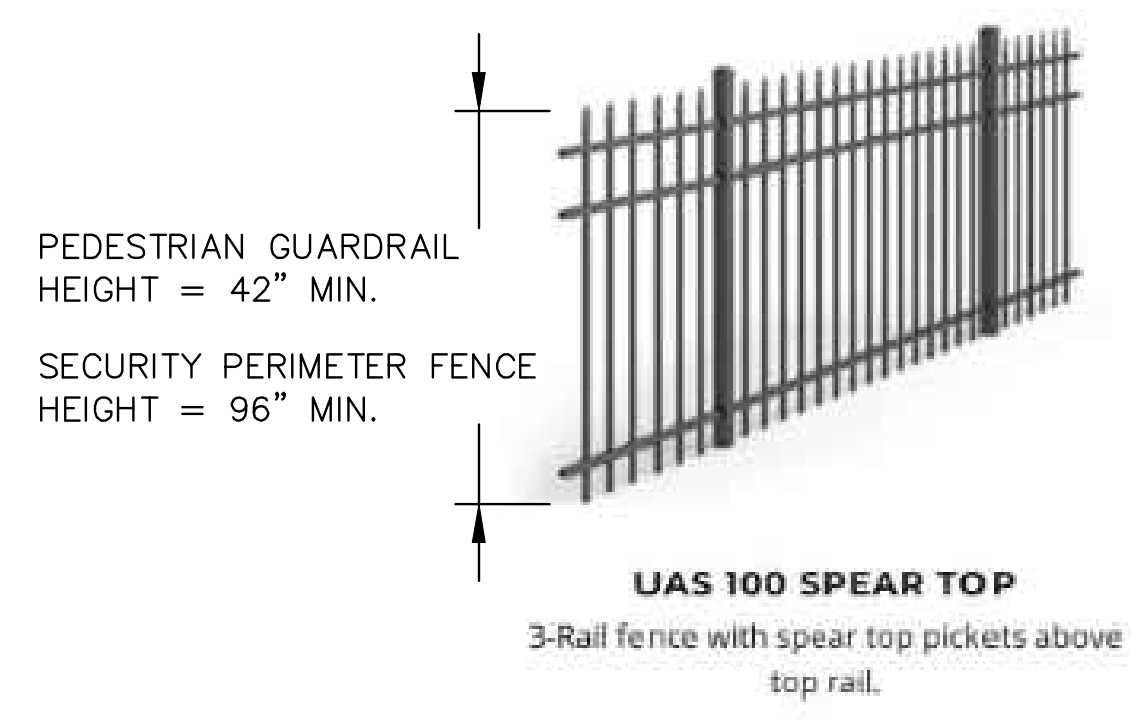


Components	Residential Series	Commercial Series	Industrial Series
Pickets	1/2" sq. x .050	1/2" sq. x .055	1" sq. x .082
Light Commercial Picket	1" x 5/8" x .050		
Rails	Top Wall: 1 1/2" x .082	1 1/2" x .085	1 1/2" x .070
	Side Wall: 1" x .080	1 1/2" x .088	1 1/2" x .100
Standard Posts	2" sq. x .080	2" sq. x .080	2 1/2" sq. x .100
	2" sq. x .125	2 1/2" sq. x .100	3" sq. x .125
	2 1/2" sq. x .100	3" sq. x .125	
Gate Posts	2" sq. x .125	3" sq. x .125	3" sq. x .125
	2 1/2" sq. x .100	4" sq. x .125	4" sq. x .125
Picket Spacing	3 3/4"	3 3/4"	3 3/4"
	1 1/4" optional	1 1/4" optional	1 1/4" optional
Post Spacing	72 1/2" on center	72 1/2" on center	72 1/2" on center
		6" wide optional	
Heights Available	36" 42" 48"	36" 42" 48"	36" 48" 60" 72"
	54" 60" 72"	54" 60" 72"	84" 96" 108" 120"

Colors
Our special Ultra Powercoat™ finish is resistant to harsh weather and heat.

Gloss Black	BL
Textured Black	TB
Gloss Bronze	BR
Textured Bronze	TZ
Gloss Beige	BE
Textured Khaki	TK
Gloss White	WH
Textured White	TW
Gloss Green	GR
Silver (RAL3000)	SI

Colors shown represent an approximate comparison and may vary slightly from actual product color.



PEDESTRIAN GUARDRAIL AND SECURITY FENCE (n.t.s.)

IFC Section D103.6 Fire Lane Marking

503.3 Marking. Where required by the fire code official, approved signs or other approved notices or markings that include the words NO PARKING—FIRE LANE shall be provided for fire apparatus access roads to identify such roads or prohibit the obstruction thereof. The means by which fire lanes are designated shall be maintained in a clean and legible condition at all times and be replaced or repaired when necessary to provide adequate visibility.

D103.6 Signs. Where required by the fire code official, fire apparatus access roads shall be marked with permanent NO PARKING—FIRE LANE signs complying with Figure D103.6. Signs shall have a minimum dimension of 12 inches wide by 18 inches high and have red letters on a white reflective background. Signs shall be posted on one or both sides of the fire apparatus road as required by Section D103.6.1 or D103.6.2. In addition to required signage, fire lanes shall be marked by one of the following methods on one or both sides of the fire apparatus road as required by Section D103.6.1 or D103.6.2:

- Curbs shall be painted red along the entire distance of the fire department access. Minimum 4-inch high white letters with a 1-inch stroke stating "NO PARKING-FIRE LANE" shall be stenciled on the curb at 25-foot intervals.
- Rolled curbs or surfaces without curbs shall have a red 6-inch wide stripe painted on the rolled curb or edge of pavement extending the length of the designated fire lane. The surface adjacent to the strip shall be marked with block lettering a minimum of 18 inches in height and with a minimum 3-inch brush stroke reading: "NO PARKING-FIRE LANE." Lettering shall be in white and spaced at no more than 50-foot intervals.

Exception: Approved areas designated for parking are not required to be marked with signage or painting.

The colors for marking curbs and pavement shall conform to standard highway colors. All signage and marking of fire lanes shall be maintained in a legible condition."

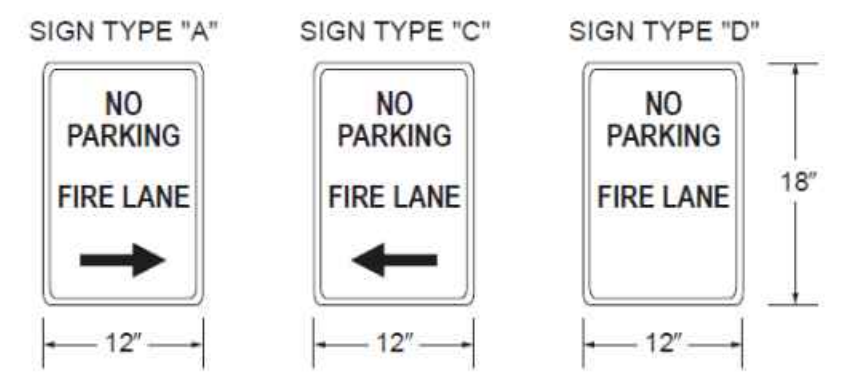
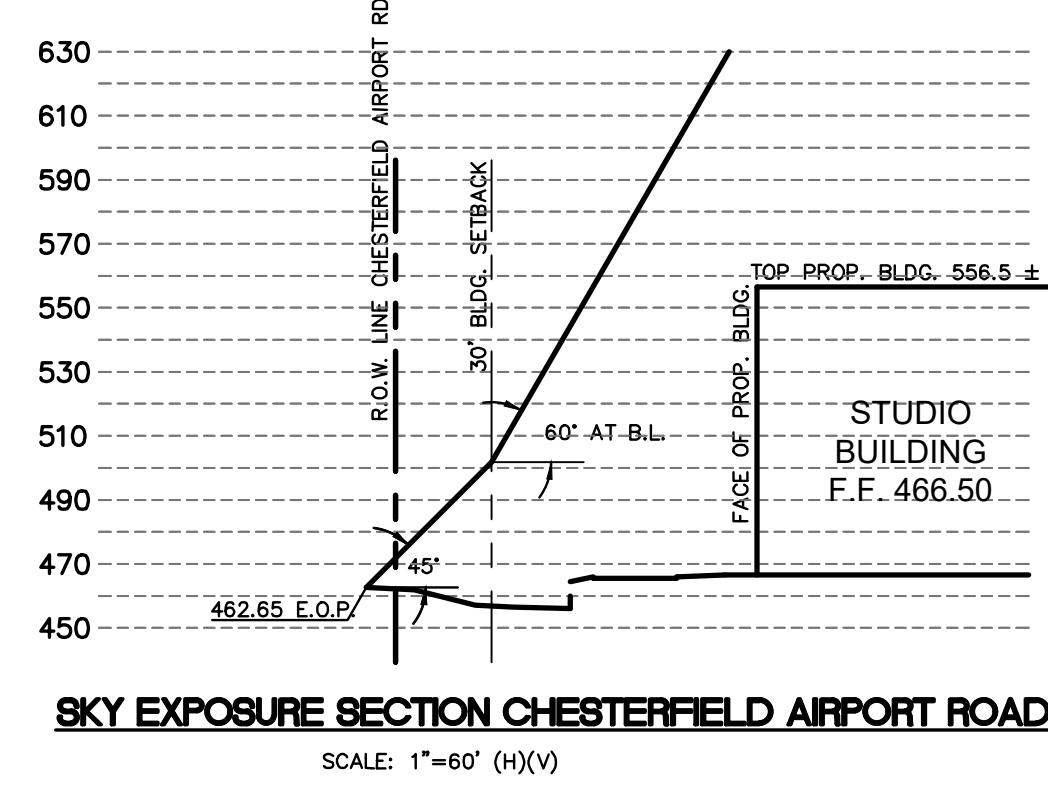


FIGURE D103.6 FIRE LANE SIGNS

D103.6.1 Roads 20 to 26 feet in width. Fire lane signs as specified in Section D103.6 shall be posted on both sides of fire apparatus access roads that are 20 to 26 feet wide.

D103.6.2 Roads more than 26 feet in width. Fire lane signs as specified in Section D103.6 shall be posted on one side of fire apparatus access roads more than 26 feet wide and less than 32 feet wide.



SCALE: 1"=60' (H)(V)

GEOTECHNICAL ENGINEER'S STATEMENT

Midwest Testing, at the request of 201 Productions LLC, has provided geotechnical services for the project proposed hereon. Geotechnical explorations were conducted for the buildings, pavements, grading, infrastructure, and slopes of the development. Our findings indicate that the earth-related aspects are suitable for the construction proposed hereon pursuant to the recommendations set forth in our January 14, 2021 report titled "Geotechnical Exploration—MT Job No. 15143—18125 Spirit Commerce Drive—Chesterfield, Missouri," and our January 15, 2021 report titled "Geotechnical Exploration—MT Job No. 15149—Gateway Studios & Hotel—Chesterfield, Missouri."

Richard D. Laughlin, P.E.
PE-20132



February 24, 2021
Date

SURVEYOR CERTIFICATE

This is to certify that Stock & Associates Consulting Engineers, Inc. has prepared this Site Development Section 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.
LC 222-D

By: *Walter J. Pfeifer*
Walter J. Pfeifer, Missouri P.L.S. No. 2008-000728



Gateway Studios, LLC, the owner of the property shown on this plan for and in consideration of being granted a permit to develop property under the provisions of Chapter _____

Ordinance No. 2342, do hereby agree that said property from the date of recording this plan shall be developed only as shown thereon, unless said plan is amended by the Planning Commission, or voided or vacated by order of the City of Chesterfield Council.

Gateway Studios, LLC

by: _____
Gerald W. Kerr

STATE OF _____ }
COUNTY OF _____ } SS.

On this _____ day of _____, 2021, before me personally appeared _____ of _____ who acknowledged the signing of the foregoing instrument to be his free act and deed and the free act and deed of said _____ for the uses and purposes therein expressed.

IN WITNESS WHEREOF, I have signed and sealed the foregoing the day and year first above written.

Notary Public
Print Name

My commission expires: _____

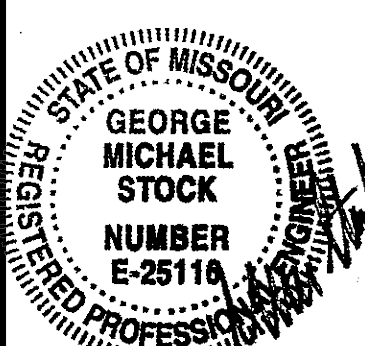
This Site Development Section Plan was approved by the City of Chesterfield and duly verified on the _____ day of _____, 2021, by the Planning and Development Services Director, authorizing the recording of this Site Development Section Plan pursuant to Chesterfield Ordinance No. 200, as amended, by the Planning and Development Services Director and the City Clerk.

CITY OF CHESTERFIELD, MISSOURI
By: _____
Director of Planning

By: _____
City Clerk
Ordinance No. 2342 dated March 19th, 2007.

PREPARED BY:

SITE DEVELOPMENT SECTION PLAN FOR:
GATEWAY STUDIOS
GATEWAY STUDIOS AND HOTEL
900 SPIRIT OF ST. LOUIS BLVD.
CHESTERFIELD, MISSOURI 63005

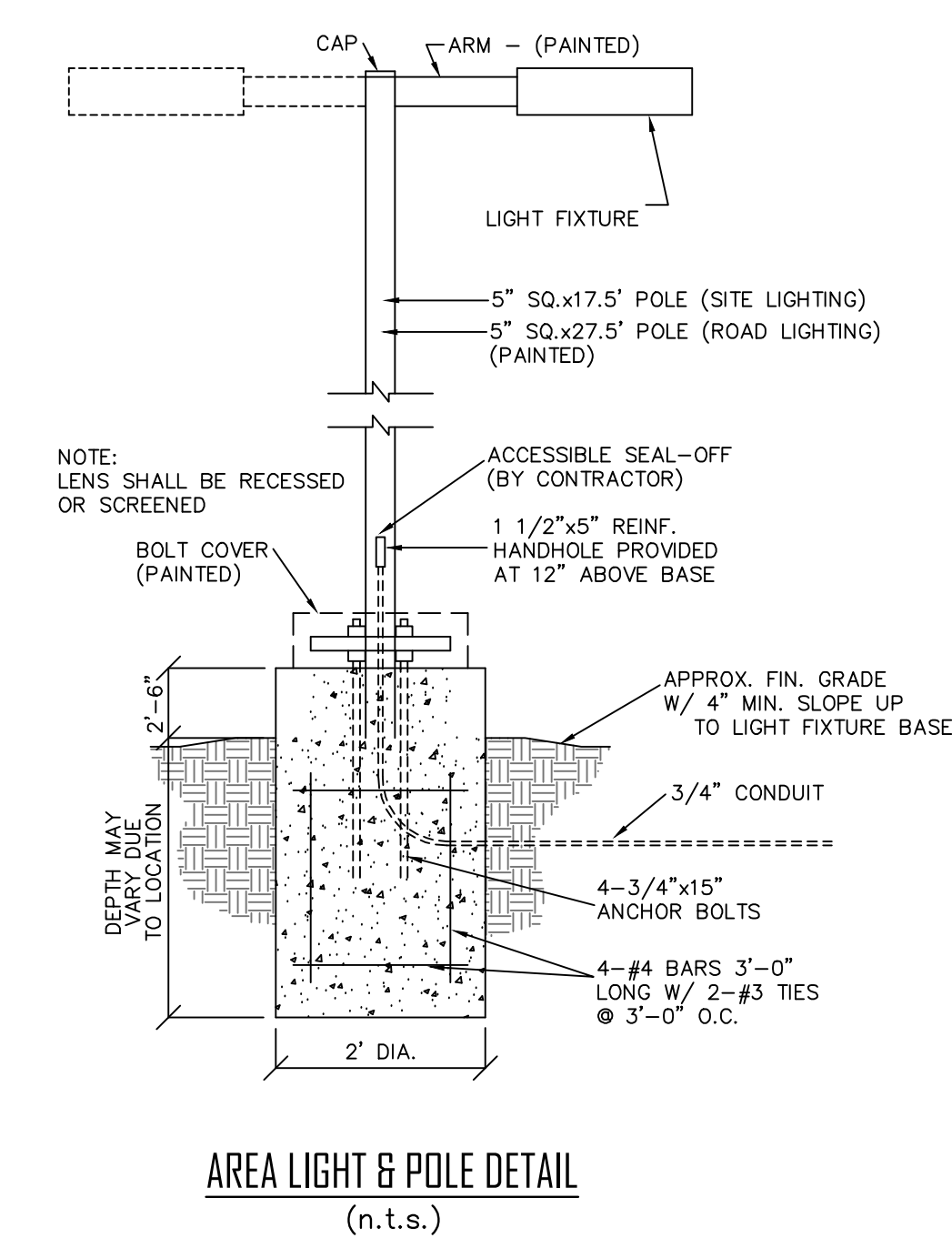
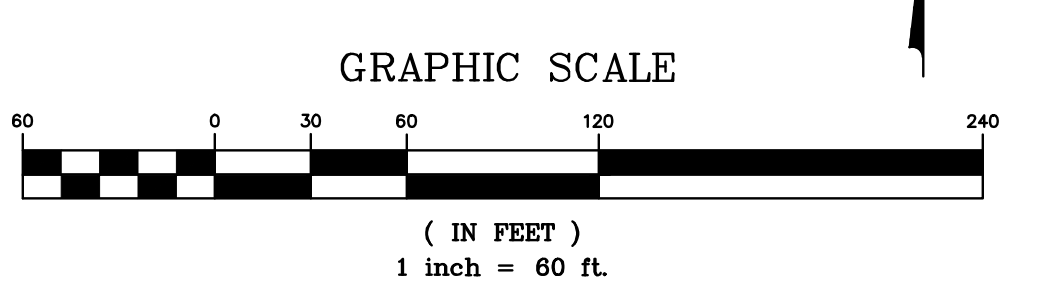
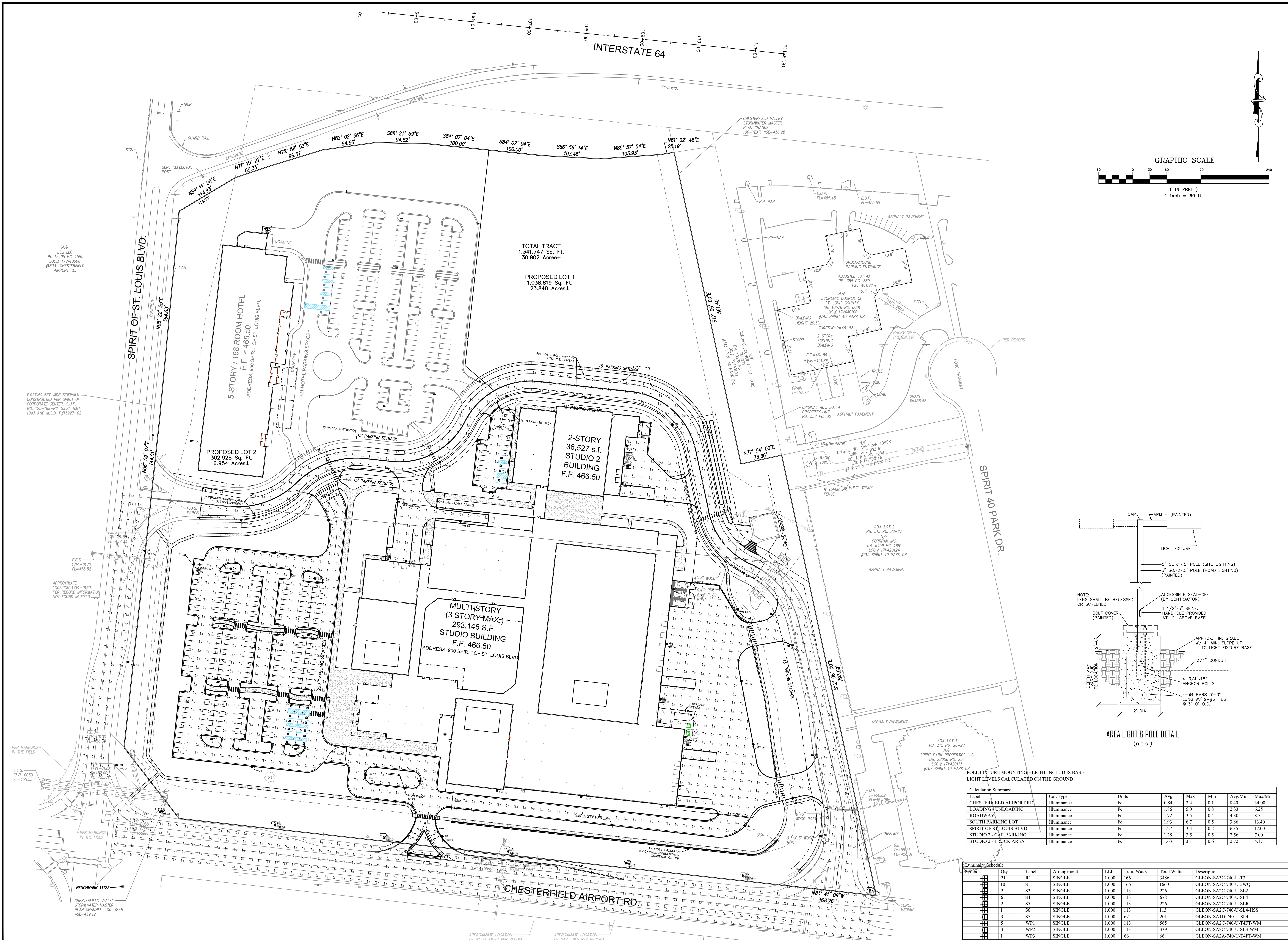


GEORGE M. STOCK E-25116
CIVIL ENGINEER
CERTIFICATE OF AUTHORITY
NUMBER: 000991

REVISIONS:

1	City Comments	4/1/2021
2	City Comments	4/16/2021
3	City Comments	6/18/2021

DRAWN BY: J.E.F. CHECKED BY: G.M.S.
DATE: 02/26/2021 JOB NO: 220-8874
S.D. P. # BASE MAP #
S.L.C. HAT # HAT S.U.P. #
M.D.N.R. #
SHEET TITLE: SITE PHOTOMETRIC PLAN
SHEET NO.: PH-1



Calculation Summary
LIGHT LEVELS CALCULATED ON THE GROUND

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CHESTERFIELD AIRPORT RD	Illuminance	Fc	0.84	3.4	0.1	8.40	34.00
LOADING & UNLOADING	Illuminance	Fc	1.86	5.0	0.8	2.33	6.25
ROADWAY	Illuminance	Fc	1.72	3.5	0.4	4.30	8.75
SOUTH PARKING LOT	Illuminance	Fc	1.93	6.7	0.5	3.86	13.40
SPIRIT OF ST. LOUIS BLVD	Illuminance	Fc	1.27	3.4	0.2	6.35	17.00
STUDIO 2 - CAR PARKING	Illuminance	Fc	1.28	3.5	0.5	2.56	7.00
STUDIO 2 - TRUCK AREA	Illuminance	Fc	1.63	3.1	0.6	2.72	5.17

Luminaire Schedule

Symbol	Qty	Label	Arrangement	LLF	Lum. Watts	Total Watts	Description
□	21	R1	SINGLE	1.000	166	3486	GLEON-SA3C-740-U-T3
□	10	S1	SINGLE	1.000	166	1660	GLEON-SA3C-740-U-SWQ
□	2	S2	SINGLE	1.000	113	226	GLEON-SA2C-740-U-SL2
□	6	S4	SINGLE	1.000	113	678	GLEON-SA2C-740-U-SL4
□	2	S5	SINGLE	1.000	113	226	GLEON-SA2C-740-U-SL4
□	1	S6	SINGLE	1.000	113	113	GLEON-SA2C-740-U-SL4-HSS
□	3	S7	SINGLE	1.000	67	201	GLEON-SA1D-740-U-SL4
□	5	WP1	SINGLE	1.000	113	565	GLEON-SA2C-740-U-T4FT-WM
□	1	WP2	SINGLE	1.000	113	339	GLEON-SA2C-740-U-SL3-WM
□	1	WP3	SINGLE	1.000	66	66	GLEON-SA2A-740-U-T4FT-WM
□	1	WP4	SINGLE	1.000	66	66	GLEON-SA2A-740-U-SL3-WM
□	2	WP5	SINGLE	1.000	59	118	GLEON-SA1C-740-U-T4FT-WM

PREPARED FOR:
GATEWAY STUDIOS, LLC
JENKINS & KLING, P.C.
150 NORTH MERAMEC AVE., SUITE 400
CLAYTON, MO. 63105
ATTN: MR. STEPHEN L. KLING, JR., ESQ.

N/F
LORETTA A. SCOTT, TRUSTEES
LOC # 174420127
18122 CHESTERFIELD AIRPORT ROAD

APPROXIMATE LOCATION OF WATER LINES PER RECORD INFORMATION
APPROXIMATE LOCATION OF GAS LINES PER RECORD INFORMATION

DESIGN IS BASED ON CURRENT INFORMATION PROVIDED AT THE TIME OF PREPARATION. ANY CHANGES TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE CLIENT. THE ENGINEER ASSUMES NO LIABILITY FOR THE DESIGN OR CONSTRUCTION OF THE PROJECT. THE ENGINEER'S RESPONSIBILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE PROJECT. THE ENGINEER'S RESPONSIBILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE PROJECT.

INTERSTATE 64

NOTE: SEE SHEET L-3 FOR PLANTING PLANS @ BIO-RETENTION AREAS

TREE GROUPINGS:
A MINIMUM OF 20% OF TREES SHALL COME FROM THREE CATEGORIES: DECIDUOUS / ORNAMENTAL / EVERGREEN

TYPE	QTY.	PERCENTAGE
DECIDUOUS:	101	43%
ORNAMENTAL:	61	24%
EVERGREEN:	48	23%

NOTE: NO PARKING SPACE SHALL BE FURTHER THAN FIFTY (50) FEET FROM A TREE.

STREET TREES: 1 per 50 LF FRONTAGE

- 505.34 LF FRONTAGE @ SPIRIT OF ST. LOUIS BLVD, REQUIRING 12 TREES @ 2.5" CALIFER, TWELVE (12) TREES ARE PROPOSED
- 1562.21 LF FRONTAGE @ CHESTERFIELD AIRPORT ROAD, REQUIRING 32 TREES @ 2.5" CALIFER, THIRTY TWO (32) TREES ARE PROPOSED

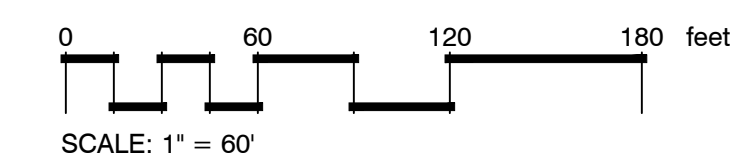
STREET TREES SHALL NOT BE PLANTED CLOSER THAN THREE (3) FEET FROM ANY CURB AND CLOSER THAN TWENTY FIVE (25) FEET OF STREETLIGHTS, STREET SIGNS AND INTERSECTIONS. NO TREES SHALL BE PLANTED WITHIN TEN (10) FEET OF STREET INLETS OR MANHOLES.

NO TREES OR OTHER OBSTRUCTIONS SHALL BE LOCATED WITHIN SIX (6) FEET OF FIRE HYDRANTS.

PLEASE NOTE:

- ALL LANDSCAPE AREAS & ISLANDS SHALL BE PROVIDED WITH A MECHANICAL IN-GROUND IRRIGATION SYSTEM (BY OTHERS), COORDINATE LANDSCAPING WITH IRRIGATION CONTRACTOR.
- ALL PLANTING BEDS TO BE EDGED W/ SPADE-CUT EDGE UNLESS OTHERWISE NOTED.
- ADJUST TREE LOCATIONS FOR LIGHT STANDARDS AND UNDERGROUND UTILITIES.

- NO TREES OR OTHER OBSTRUCTIONS SHALL BE LOCATED WITHIN 6 FEET OF FIRE HYDRANTS.
- ALL SHRUBS/PERENNIALS WITHIN SIGHT TRIANGLE ZONES TO BE MAINTAINED AT A MAXIMUM HEIGHT OF TWENTY FOUR INCHES (2 FEET); ALL TREES TO BE MAINTAINED WITH A CLEAR HEIGHT FROM GRADE OF TEN (10) FEET.



UNDERGROUND UTILITIES AND OSHA SAFETY NOTE:
Underground utilities and structures have been plotted from available information and therefore, their location must be considered approximate only. It is the responsibility of the individual contractors to notify the utility companies before actual construction. All O.S.H.A. rules and regulations established for the type of construction required by these plans shall be strictly followed (i.e. trenching, blasting, etc.)

REVISIONS	BY
3/9/2021	RAM
5/6/2021	RAM
5/19/2021	RAM



67 Jacobs Creek Drive
St. Louis, MO 63105
P: 636.425.2500
F: 636.425.2501
www.landscape-technologies.com

REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT
RANDALL W. HARDS
LICENSE NUMBER 011
DATE: 5/19/2021

PLANTING PLAN FOR THE PROPOSED
Gateway Studios
900 SPIRIT OF ST. LOUIS BLVD. CHESTERFIELD, MO

DRAWN	R. HARDS
CHECKED	RAMMEL
DATE	2/26/2021
SCALE	1"=60'-0"
JOB No.	2021-118
SHEET	L-1
OF THREE SHEETS	

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 use. Contractor shall at all times protect all materials and work against injury to public.
- The landscape contractor shall be responsible for all 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 approximately 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 utility location services in municipality).
- Plant material are 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.
 - Stake 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 Z60 "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 Owners 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 tainted soils shall be removed by the general contractor prior to point project to be turned over to the landscape contractor to commence landscape installation.
- 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 area.
- 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.
- All substitutions of plant material shall be submitted to landscape architect for approval.

PRUNING:

- Lightly prune trees at time of planting. Prune only the crossover limbs, intermingled leaders and/or any 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 compaction) unless otherwise noted. Mulch shall be clean and free of all foreign materials, including weeds, mold, deleterious materials, etc.
- No plastic sheeting or filter fabric shall be placed beneath shredded bark mulch beds. Mulch fabric shall be used beneath all gravel mulch beds. Lap fabric 6" over adjacent coverages.
- Edge all beds with spade-cut edge unless otherwise noted.

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.
- Watering of seeded or sodded lawns shall begin immediately and shall continue to be provided continuously for the following 12 hours. Regardless, the landscape contractor shall be responsible for all landscape maintenance until project turnover.

SIGHT TRIANGLES:

- No landscape material or other obstructions shall be placed or be maintained within the sight distance area so as not 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 35' and connecting the points so established to form the sight triangle area.

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. Roto-till topsoil mix to 3 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.

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 90 days from date of final acceptance. Bare areas more than one square foot per any 50 square feet shall be replaced.
- Seed and fertilization operations shall occur between May 1 and June 15th or between September 1 and October 15th unless directed by others in writing AND irrigation system is operating.
- Granular or pelleted fertilizer consisting of 50% water-insoluble slow release nitrogen, phosphorus and potassium in a 12-12-12 composition.
- The turf contractor shall be responsible for protection of finished grade, restore and repair any erosion or water damage and obtain owners' 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 1/8" or greater shall be sodded.
- All sod shall be placed a maximum of 24 hours after harvesting.
- Recondition 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 area elevations to allow for proper drainage.

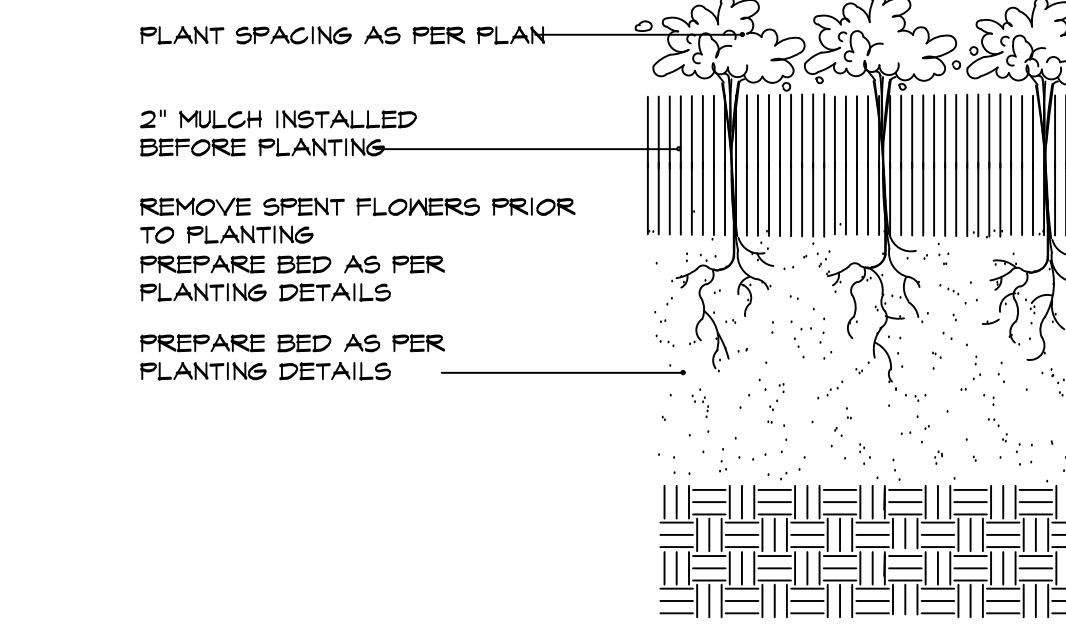
WARRANTY:

- 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 the 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.

IRRIGATION GUIDELINE SPECS:

GENERAL:

- System shall be designed for 30 gpm @ 80 PSI. Contractor to field verify actual conditions.
- Exact tap, backflow 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 each direction from the controller to the end of the mainline.
- All piping to be sleeved in SCH40 PVC when passing under landscape. PVC Sleeve to be a minimum of twice the size of pipe(s) running through.
- Underground facilities, structures and utilities must be considered approximately 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 I-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.



PERENNIAL PLANTING
N.T.S.

TREES	QTY	COMMON / BOTANICAL NAME	SIZE	MATURE HEIGHT	GROWTH RATE
ALE	4	Athens Lacebark Elm / Ulmus parvifolia 'Emer I'	2.5' Cal	40 - 65' ht.	Fast
ABM	6	Autumn Blaze Maple / Acer x freemanii 'Jeffersred'	2.5' Cal	40 - 65' ht.	Fast
A@G	1@	Autumn Gold Ginkgo / Ginkgo biloba 'Autumn Gold' TM	2.5' Cal	25 - 40' ht.	Slow
BC	5	Bald Cypress / Taxodium distichum	2.5' Cal	40 - 65' ht.	Moderate
GM5M	4	Green Mountain Sugar Maple / Acer saccharum 'Green Mountain'	2.5' Cal	40 - 65' ht.	Slow
SL	4	Greenspire Littleleaf Linden / Tilia cordata 'Greenspire'	2.5' Cal	40 - 65' ht.	Moderate
HRB	5	Heritage River Birch / Betula nigra 'Heritage Improved'	10'-12'/2.5' Cal	40 - 65' ht.	Fast
RPM	9	Redpointe Maple / Acer rubrum 'Frank Jr.'	2.5' Cal	40 - 65' ht.	Fast
SAN	5	Sawtooth Oak / Quercus acutissima	2.5' Cal	40 - 65' ht.	Moderate
SVRM	6	Sun Valley Red Maple / Acer rubrum 'Sun Valley'	2.5' Cal	40 - 65' ht.	Fast
SVN	4	Swamp White Oak / Quercus bicolor	2.5' Cal	40 - 65' ht.	Slow
V@Z	4	Village Green Zelkova / Zelkova serrata 'Village Green'	2.5' Cal	40 - 65' ht.	Moderate
AFRM	6	'Autumn Flame' Maple / Acer rubrum 'Autumn Flame'	2.5' Cal	40 - 65' ht.	Fast
OGRM	21	October Glory Maple / Acer rubrum 'October Glory'	2.5' Cal	40 - 65' ht.	Fast

EVERGREEN TREES	QTY	COMMON / BOTANICAL NAME	SIZE	MATURE HEIGHT	GROWTH RATE
BBS	6	Bakeri Blue Spruce / Picea pungens 'Bakeri'	6'-7'	25 - 40' ht.	Slow
CBS	6	Colorado Blue Spruce / Picea pungens 'Sloaica'	6'-7'	40 - 65' ht.	Moderate
FAS	6	Fat Albert Spruce / Picea pungens 'Fat Albert'	6'-7'	10 - 40' ht.	Slow
NS	1@	Norway Spruce / Picea abies	6'-7'	40 - 65' ht.	Fast
JN5M	15	Sweetbay Magnolia / Magnolia virginiana 'Jim Wilson'	6'-7'	25 - 40' ht.	Moderate

FLOWERING TREES	QTY	COMMON / BOTANICAL NAME	SIZE	MATURE HEIGHT	GROWTH RATE
JTL	8	Ivory Silk Japanese Tree Lilac / Syringa reticulata 'Ivory Silk'	2' Cal.	10 - 40' ht.	Slow
MRE	7	Merlot Redbud / Cercis x Merlot'	2' Cal.	15 - 40' ht.	Moderate
NFP	1@	Newport Flowering Plum / Prunus cerasifera 'Newport'	2' Cal.	15 - 40' ht.	Fast
FD	8	Pink Flowering Dogwood / Cornus florida rubra	2' Cal.	15 - 40' ht.	Moderate
RHS	3	Robin Hill Serviceberry / Amelanchier X grandiflora 'Robin Hill'	2' Cal.	15 - 40' ht.	Fast
SMAG	14	Saucer Magnolia / Magnolia X saoulangiana	6'-7'	10 - 40' ht.	Slow
TGH	4	Thornless Cockspur Hawthorn / Crataegus crusgalli var. inermis	2' Cal.	25 - 40' ht.	Moderate
FRIN	6	White Fringetree / Chionanthus virginicus	2' Cal.	10 - 40' ht.	Slow

SHRUBS	QTY	COMMON / BOTANICAL NAME	SIZE
ALV	17	Alleghany Leatherleaf Viburnum / Viburnum rhytidophyllum 'Alleghany'	24"-30"
BDPL	14	Bloomerang Dwarf Purple Lilac / Syringa x 'SMNURR' TM	5 gal.
BKS	8	Blue Kazoo Spiraea / Spiraea japonica 'Double Play Blue Kazoo'	5 gal.
BSJ	2@	Blue Star Juniper / Juniperus squamata 'Blue Star'	5 gal.
CH	5	China Boy/Girl Holly / Ilex meserveae 'China Boy/Girl' TM	5 gal.
DJY	22	Dense Japanese Yew / Taxus cuspidata 'Densiformis'	18"-24"
GBH	22	Sam Box Inkberry Holly / Ilex glabra 'Sam Box'	5 gal.
GS6M	6	Green Sam Boxwood / Buxus x 'Green Sam'	5 gal.
LLHYD	20	Little Lime Hydrangea / Hydrangea paniculata 'Little Lime'	5 gal.
LHI	8	Little Henry Sweetpire / Itea virginica 'Little Henry' TM	5 gal.
SGJ	3@	Sea Green Juniper / Juniperus chinensis 'Sea Green'	5 gal.
TARD	41	Tardiva Hydrangea / Hydrangea paniculata 'Tardiva'	5 gal.

ANNUALS/PERENNIALS	QTY	COMMON / BOTANICAL NAME	SIZE
SCD	1@	Stranberry Candy Daylily / Hemerocallis x 'Stranberry Candy' TM	1 gal.

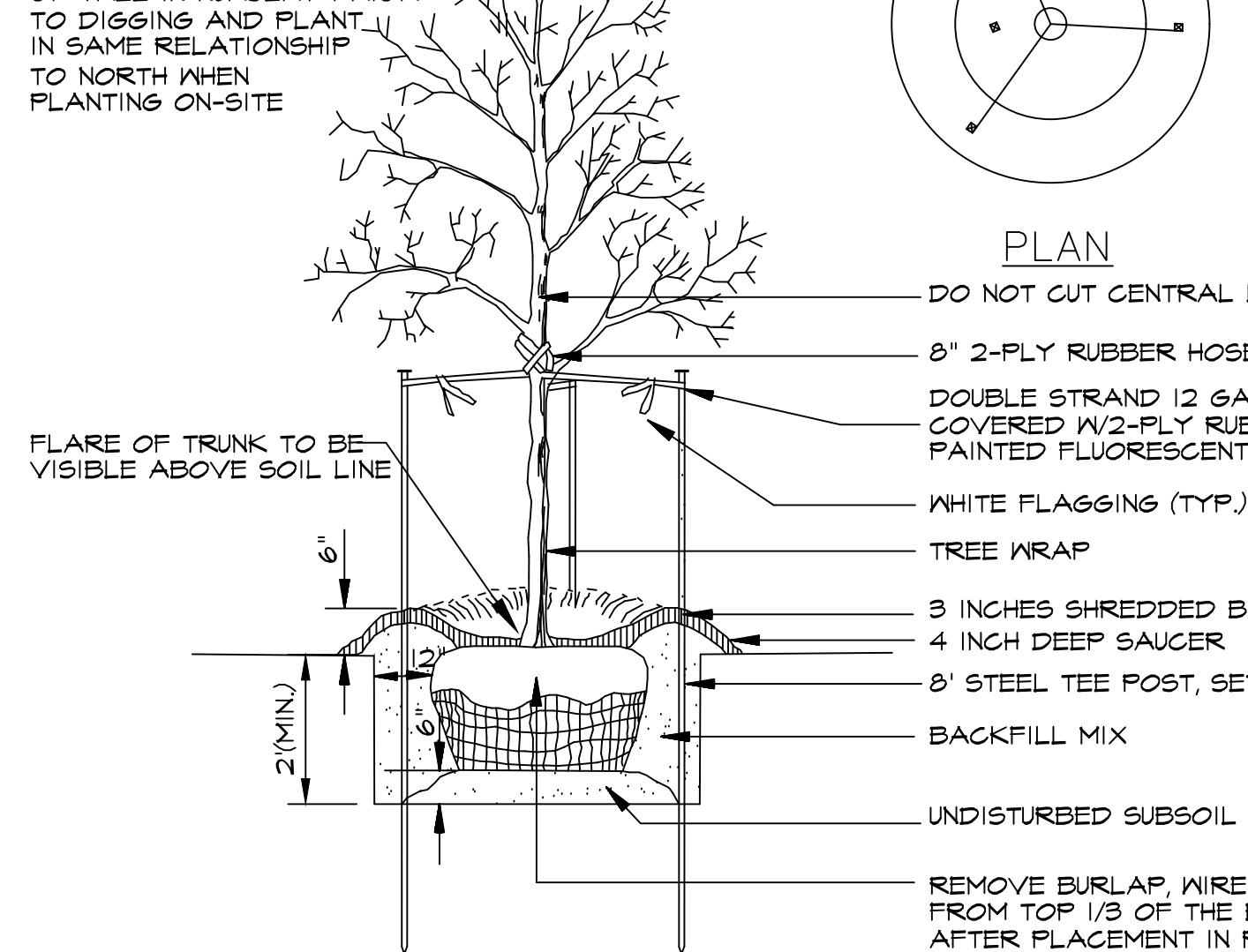
FORBS	QTY	COMMON / BOTANICAL NAME	SIZE
OBS	711	Ozark Blue Star / Amsonia illustris	2 Qt @ 30" OC
PFPM	275	Party Favor Rose Malion / Hibiscus lasiocarpus	1 Gal @ 30" OC
SMW	1,254	Swamp Milkweed / Asclepias incarnata	2 Qt @ 24" OC

GRASSES	QTY	COMMON / BOTANICAL NAME	SIZE
MS	32	Malden Grass / Miscanthus sinensis 'Gracillimus'	5 gal.

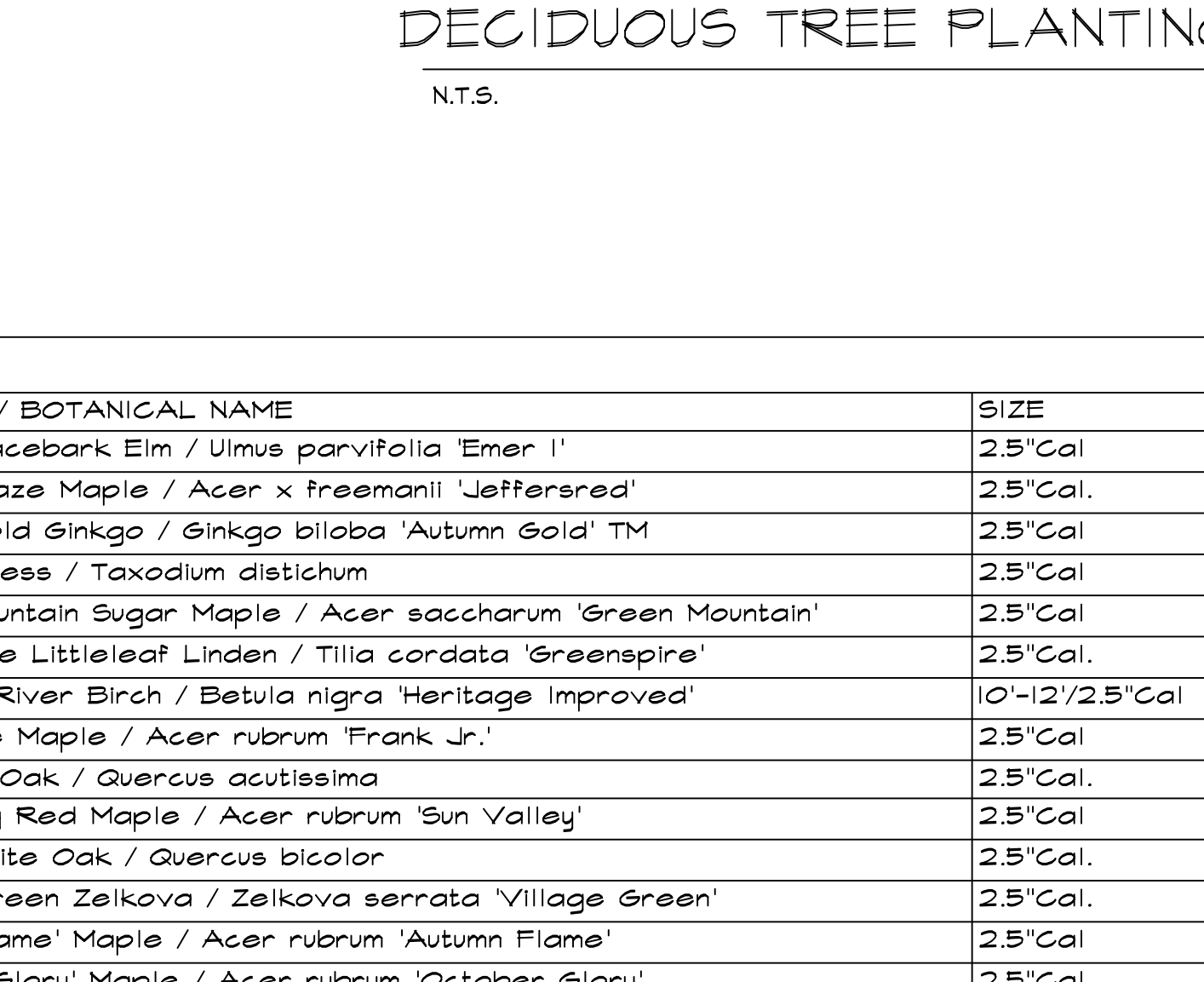
ROSES	QTY	COMMON / BOTANICAL NAME	SIZE
OSOPCR	45	OSO Easy Pink Cupcake Rose / Rosa x 'OSO Easy Pink Cupcake Rose'	5 gal.

NATIVE GRASSES	QTY	COMMON / BOTANICAL NAME	SIZE
	1,582	Brown Fox Sedge / Carex vulpinoidea	Plug at 18" OC
	1,25	Great Green Blurple / Scirpus atrovirens	Plug at 18" OC
	1,285	Morning Star Sedge / Carex grayi	Plug at 18" OC
	1,097	Palm Sedge / Carex muskingumensis	Plug at 18" OC

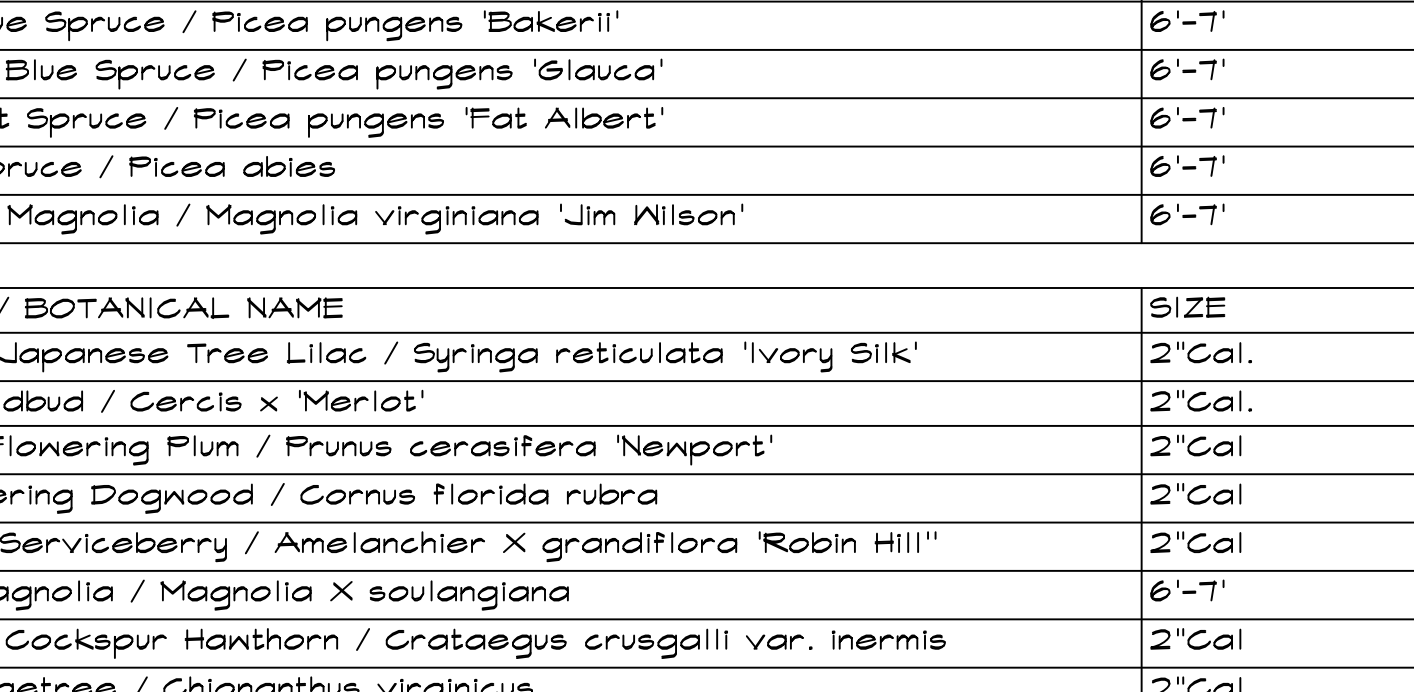
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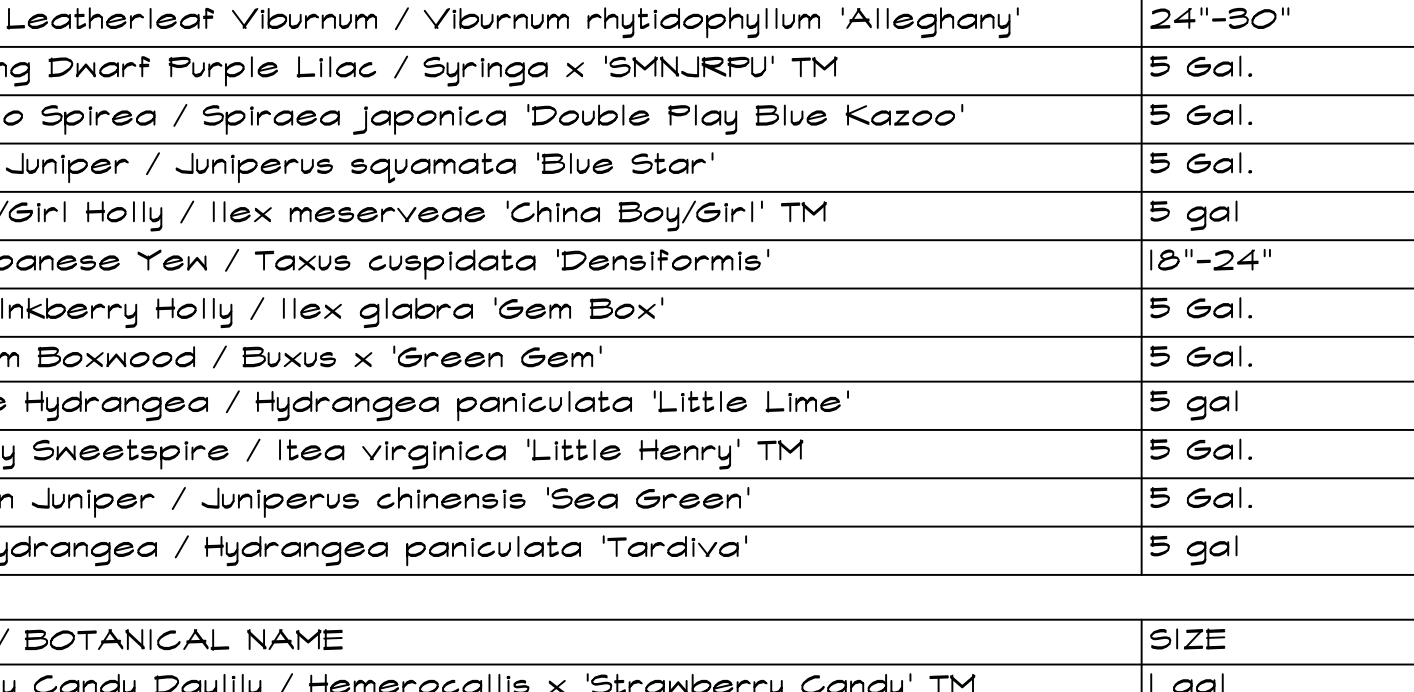
DECIDUOUS TREE PLANTING
N.T.S.



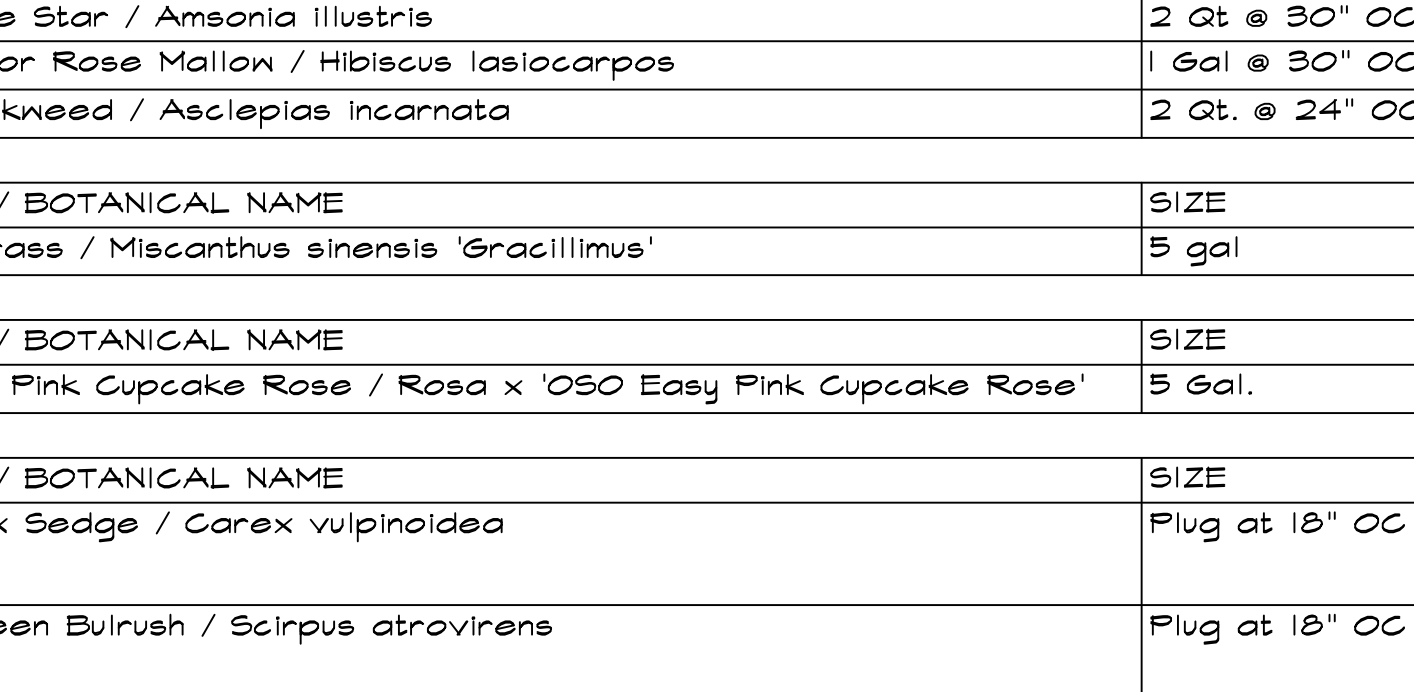
EVERGREEN TREE PLANTING
N.T.S.



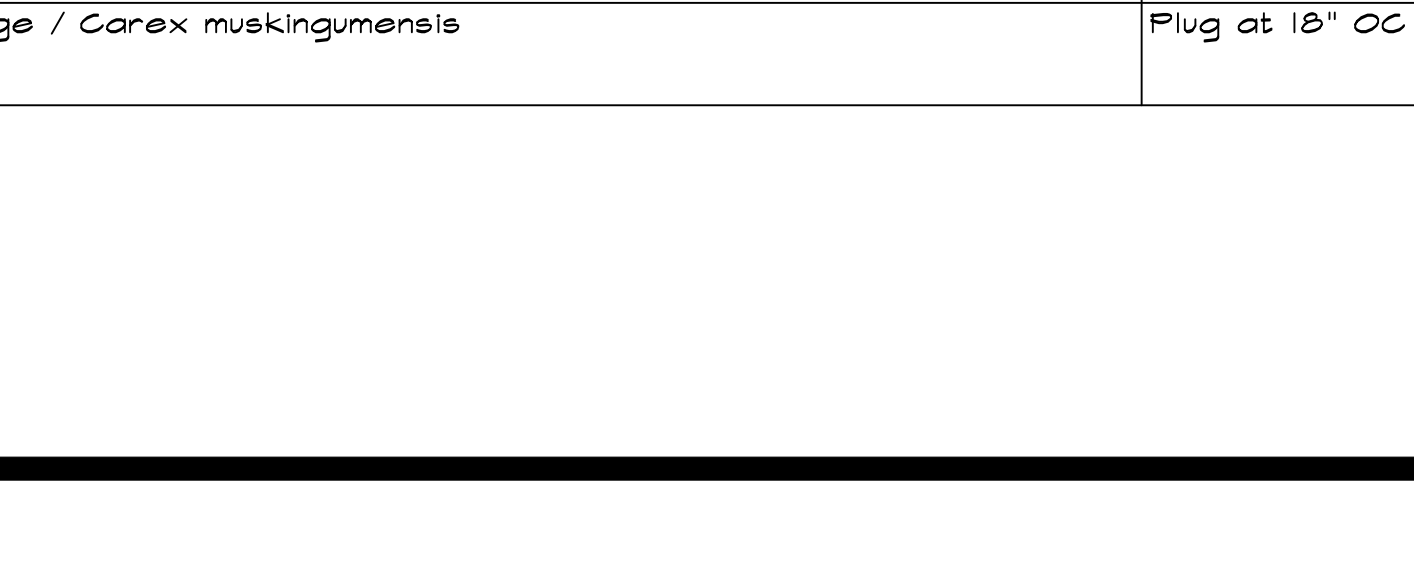
SPADE-CUT EDGE DETAIL
N.T.S.



SHRUB PLANTING
N.T.S.

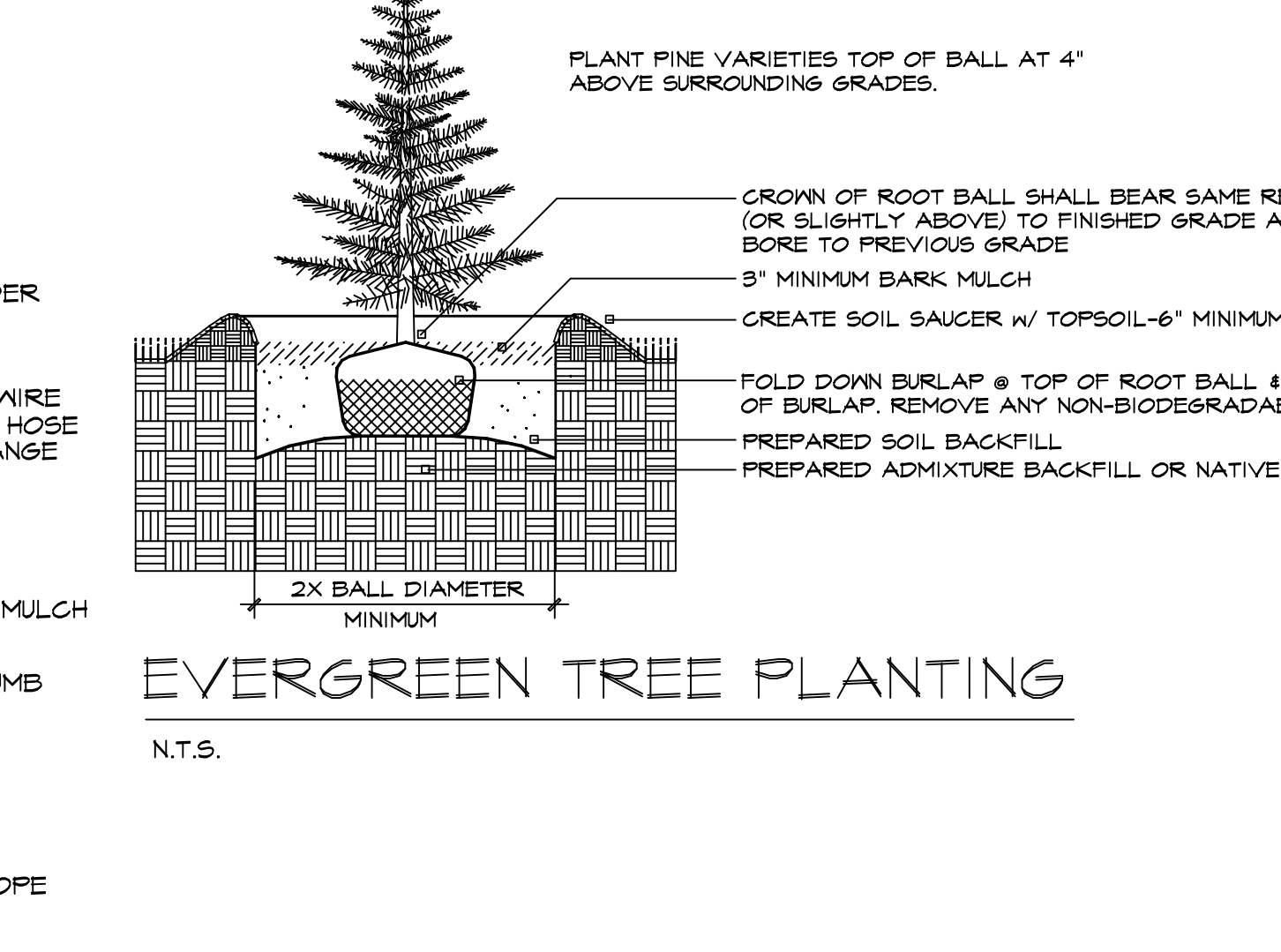


SHRUB PLANTING ON SLOPE
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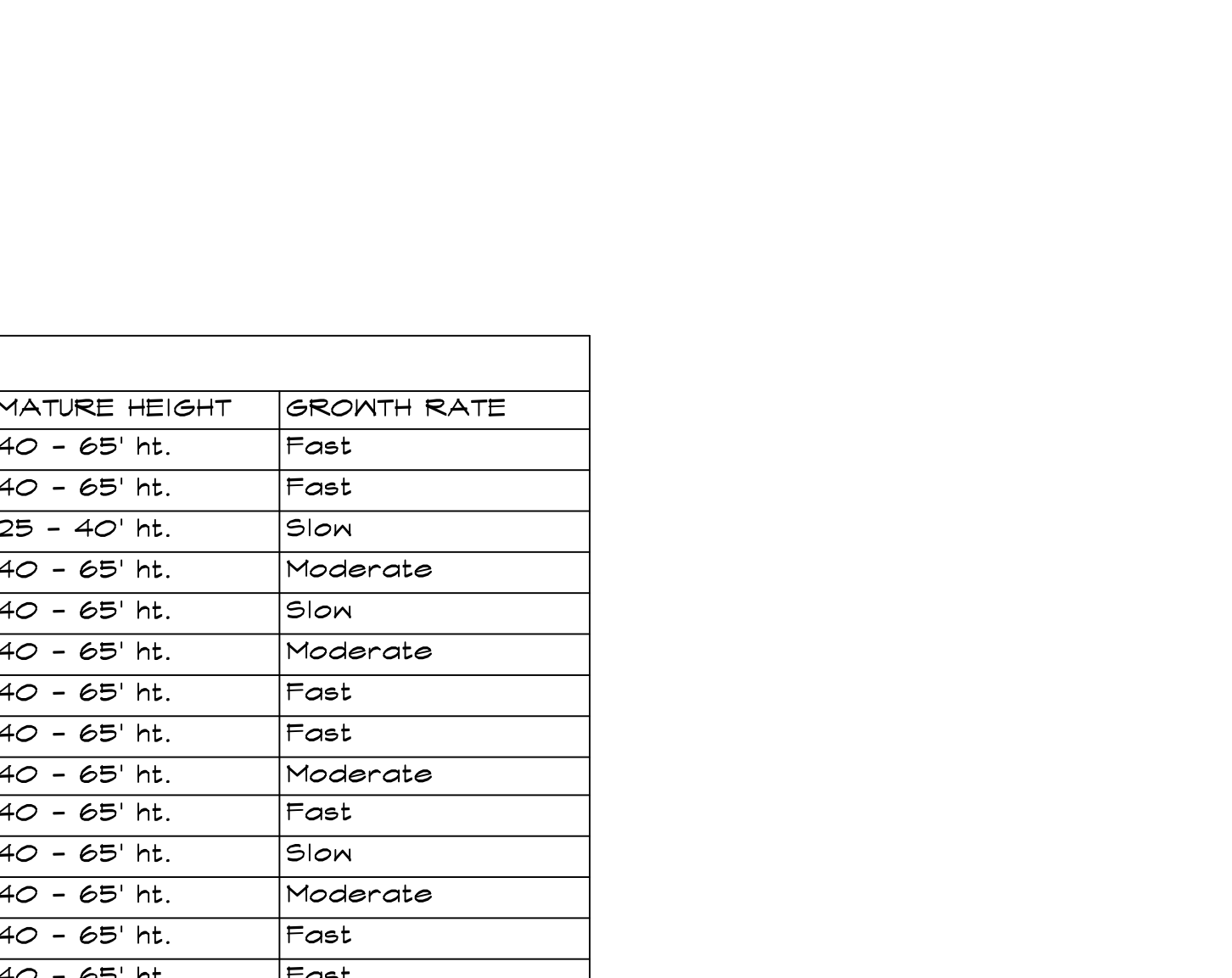


MULTI-STEM TREE PLANTING
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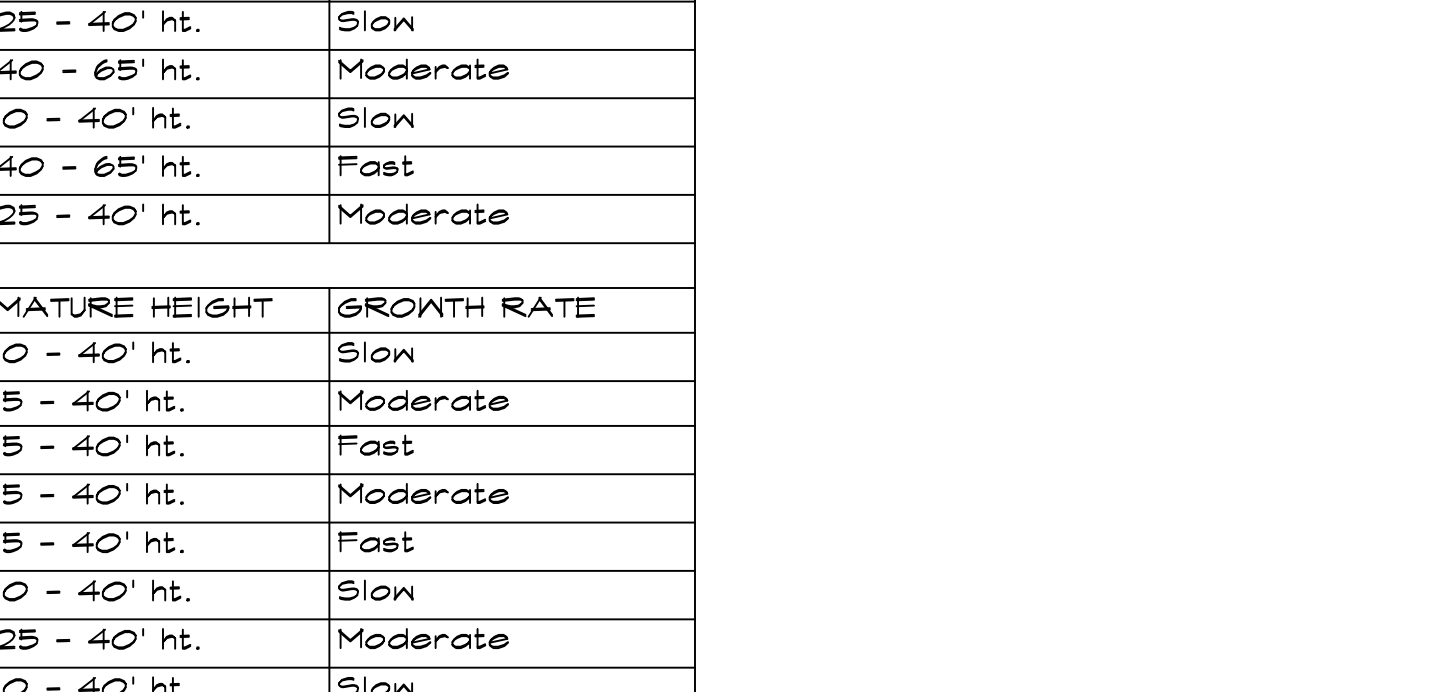
IRRIGATION GUIDELINE SPECS:



TREE PLANTING ON SLOPE
N.T.S.



TREE PLANTING ON SLOPE
N.T.S.



TREE PLANTING ON SLOPE
N.T.S.



TREE PLANTING ON SLOPE
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TREE PLANTING ON SLOPE
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TREE PLANTING ON SLOPE
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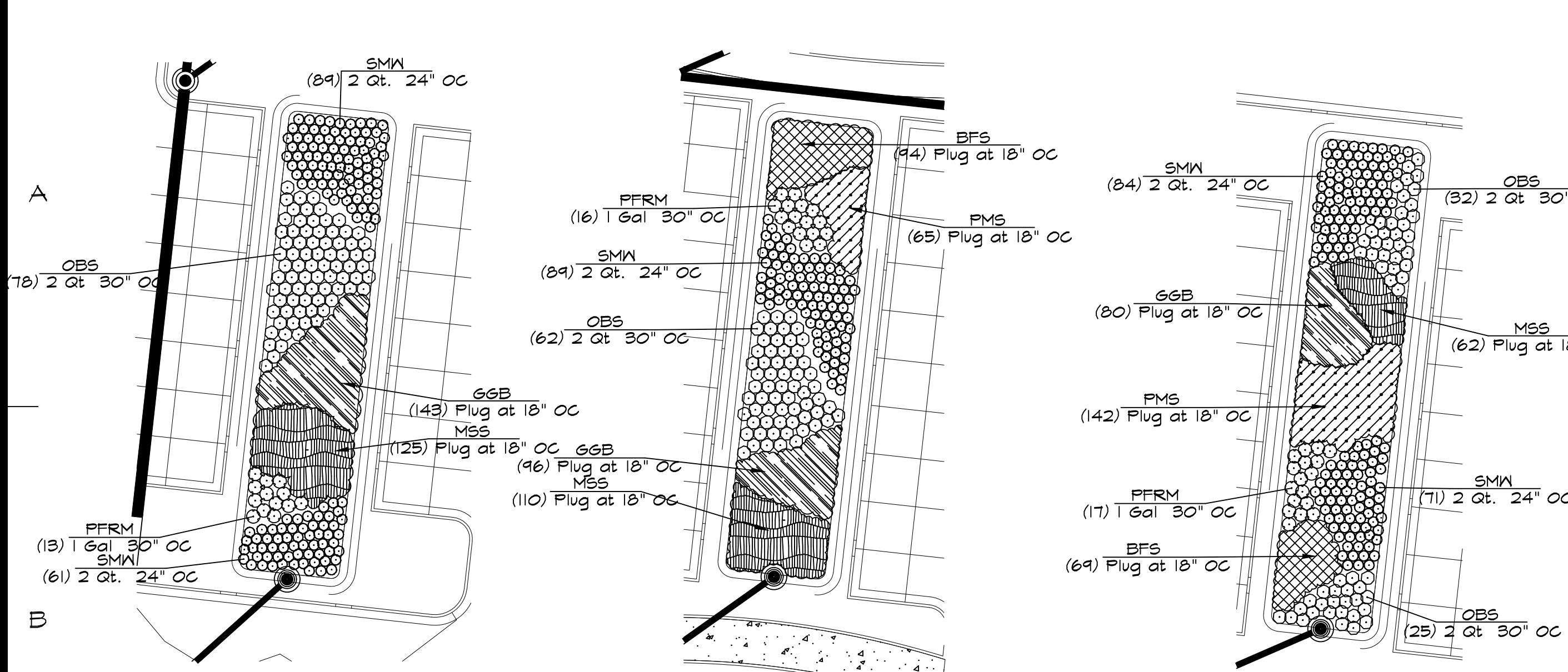
REVISIONS	BY
9/9/2021	RYM
5/6/2021	RYM
5/19/2021	RYM

Gateway Studios
TECHNOLOGIES
67 Jacobs Creek Drive
(888) 492-1250
100 Landscape Architectural Corporation
LIC# 2020000282

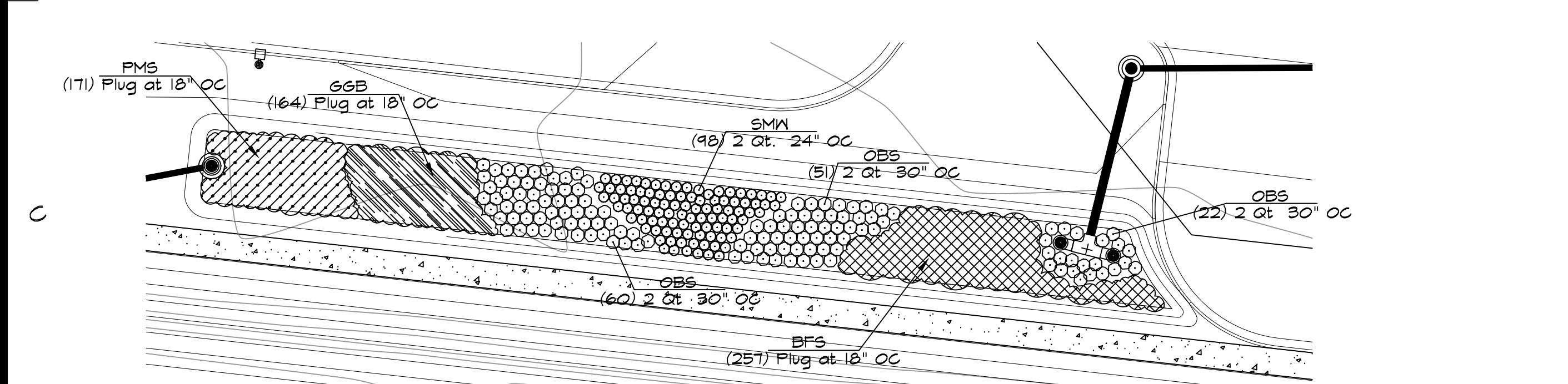
PLANTING PLAN FOR THE PROPOSED
Gateway Studios
900 SPIRIT OF ST. LOUIS BLVD.
CHESTERFIELD, MO

DATE: 5/19/2021
DRAWN: R. HARDS
CHECKED: RYM/ML
DATE: 2/26/2021
SCALE: N.A.
JOB No: 2021-118
SHEET

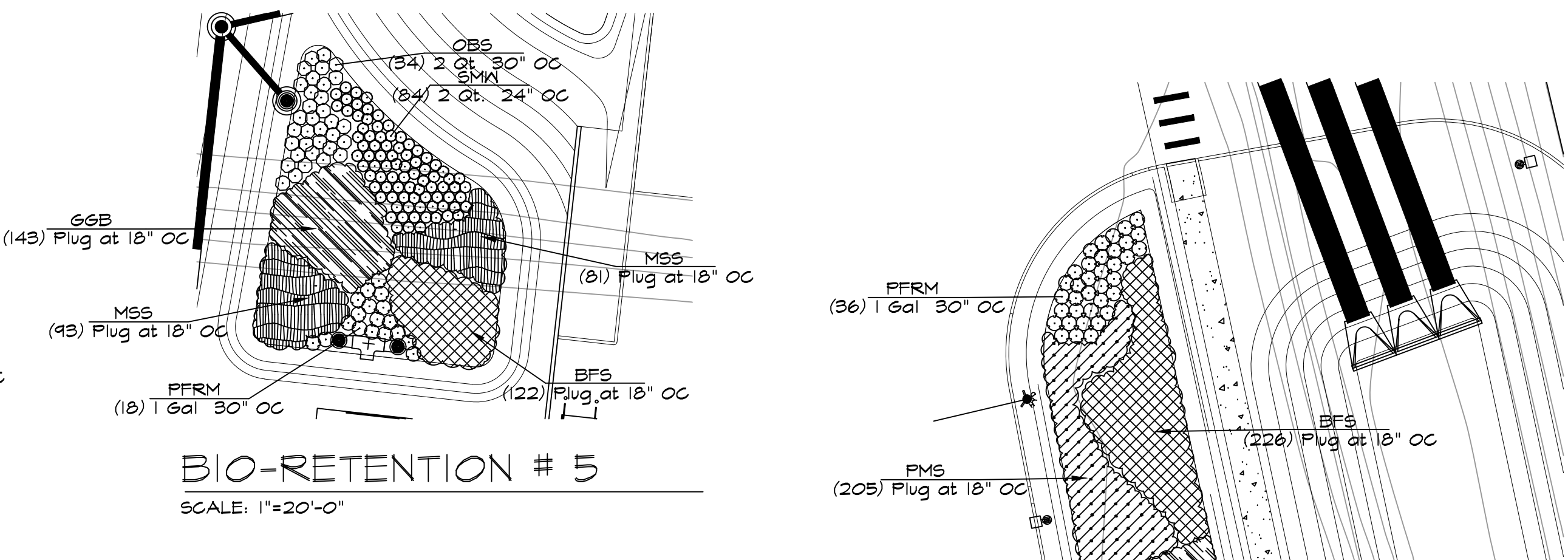
L-2
OF THREE SHEETS



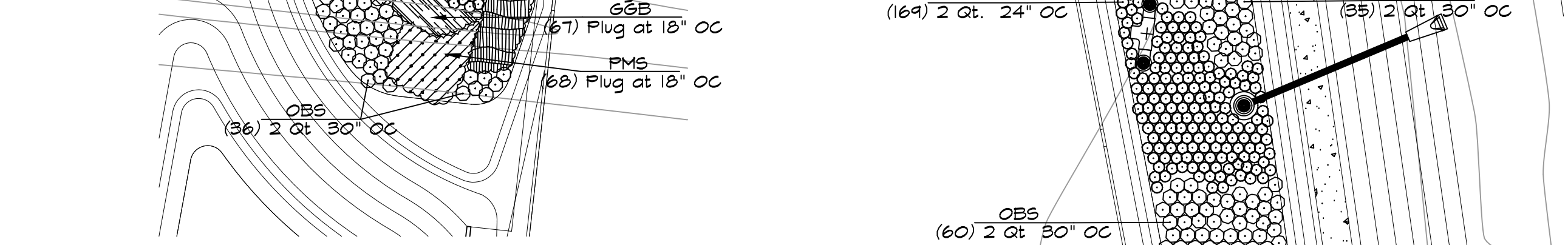
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BIO-RETENTION # 2 SCALE: 1"=20'-0"
BIO-RETENTION # 3 SCALE: 1"=20'-0"



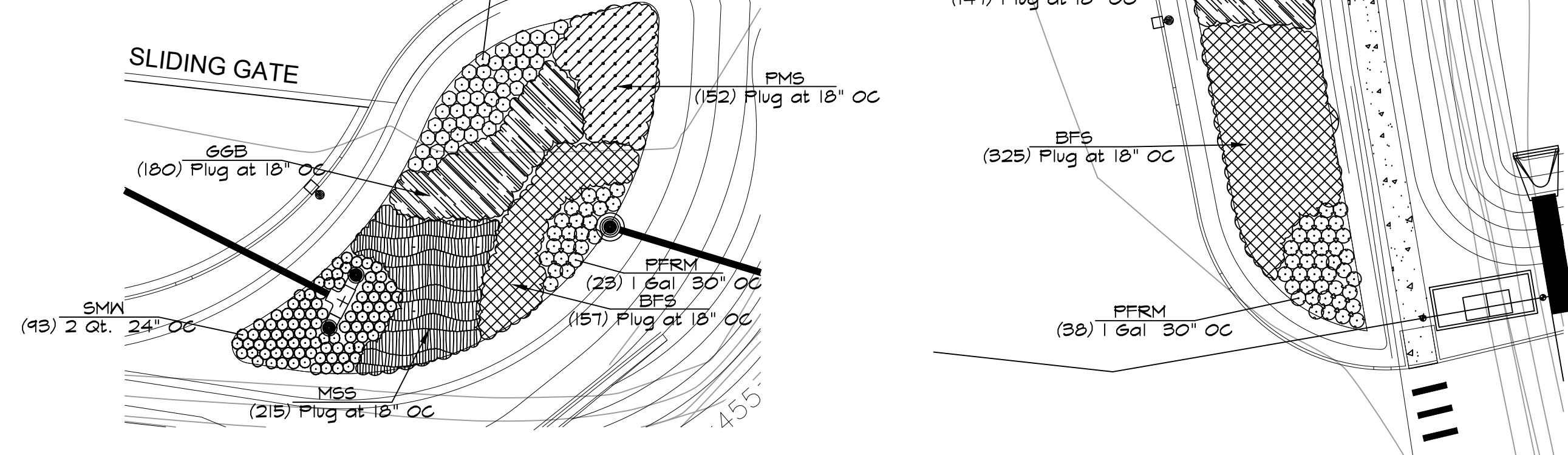
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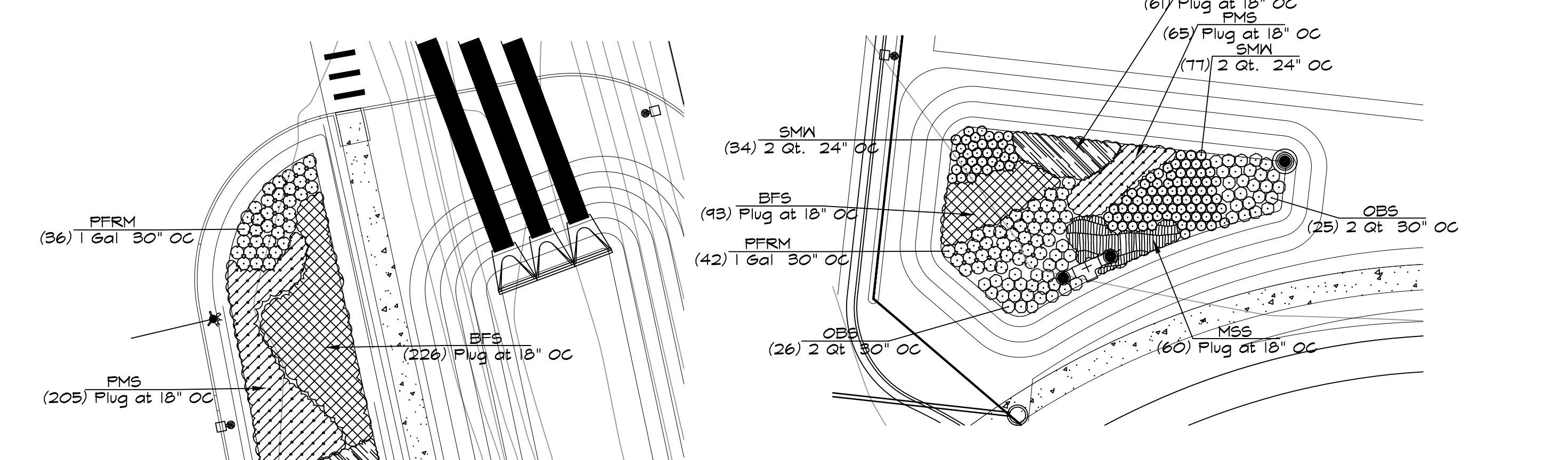
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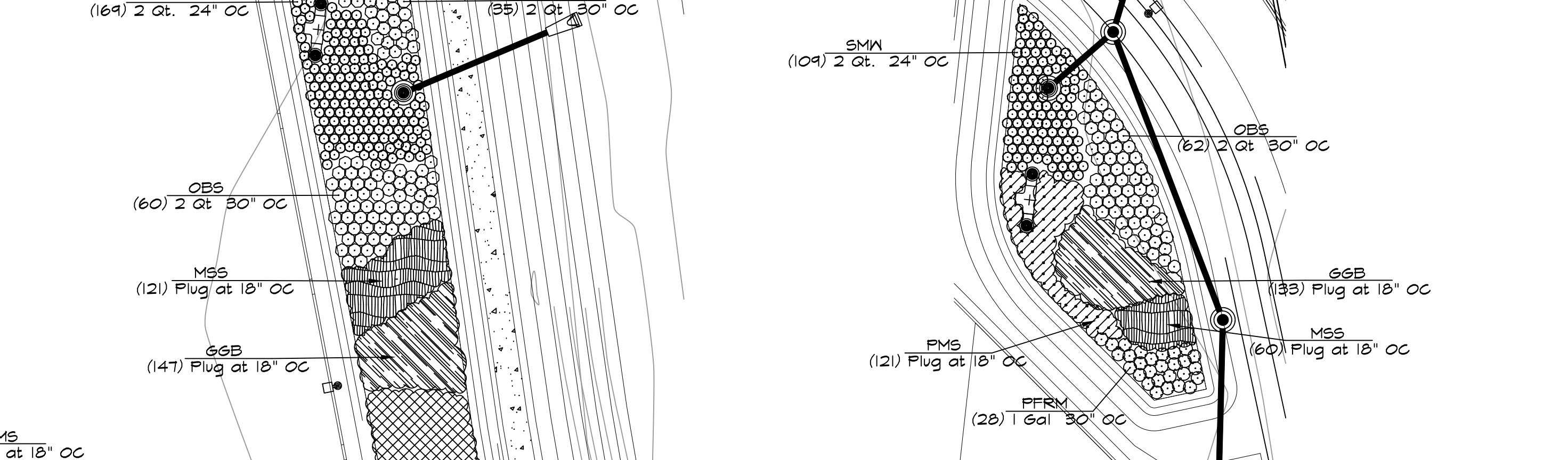
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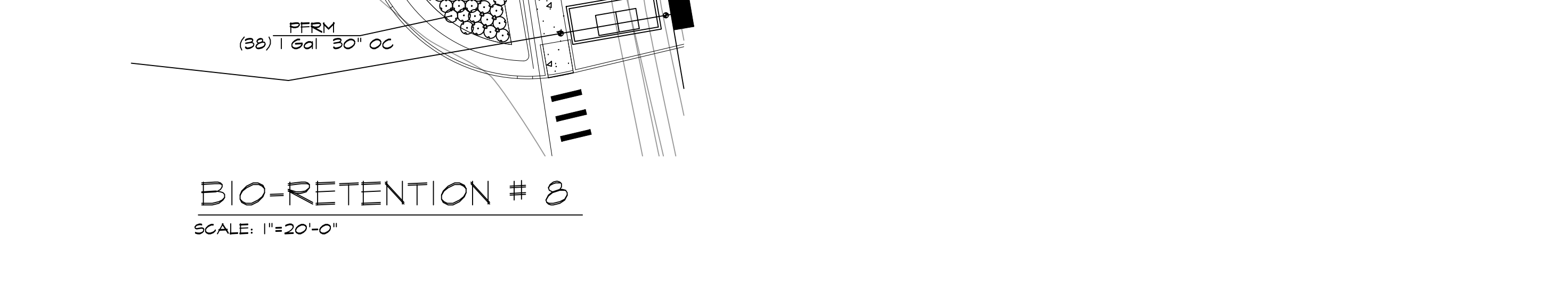
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BIO-RETENTION # 8 SCALE: 1"=20'-0"

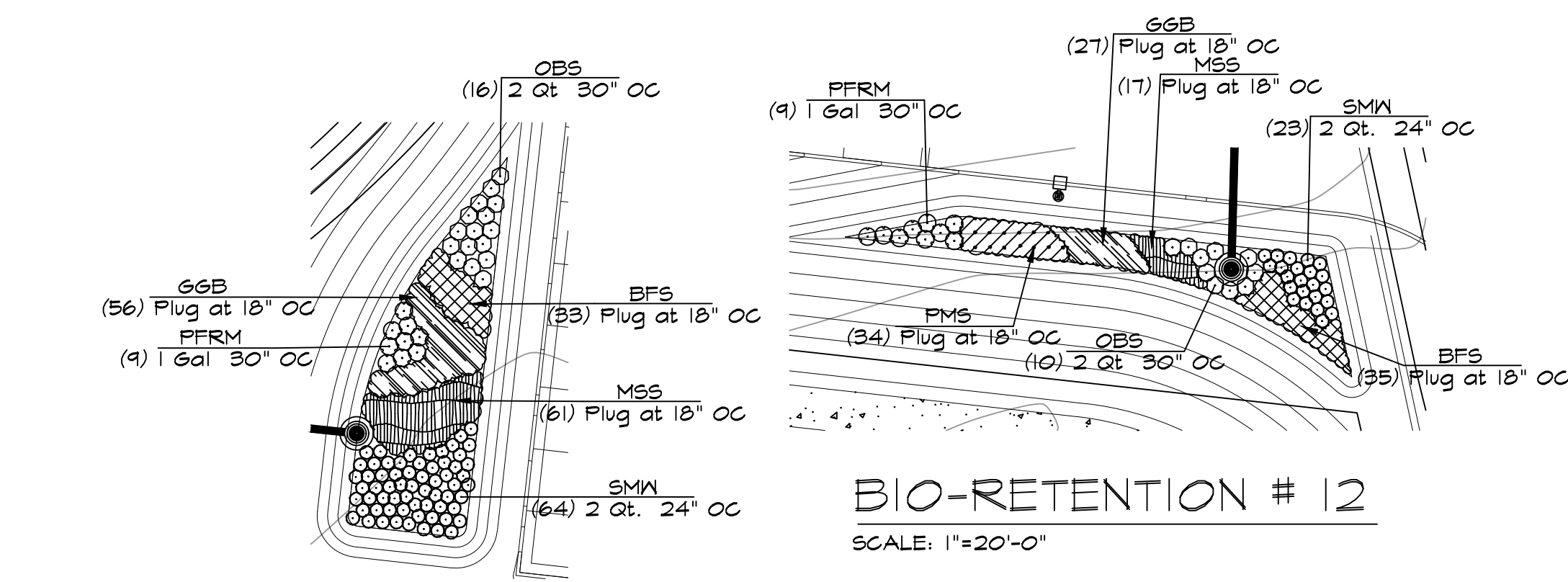


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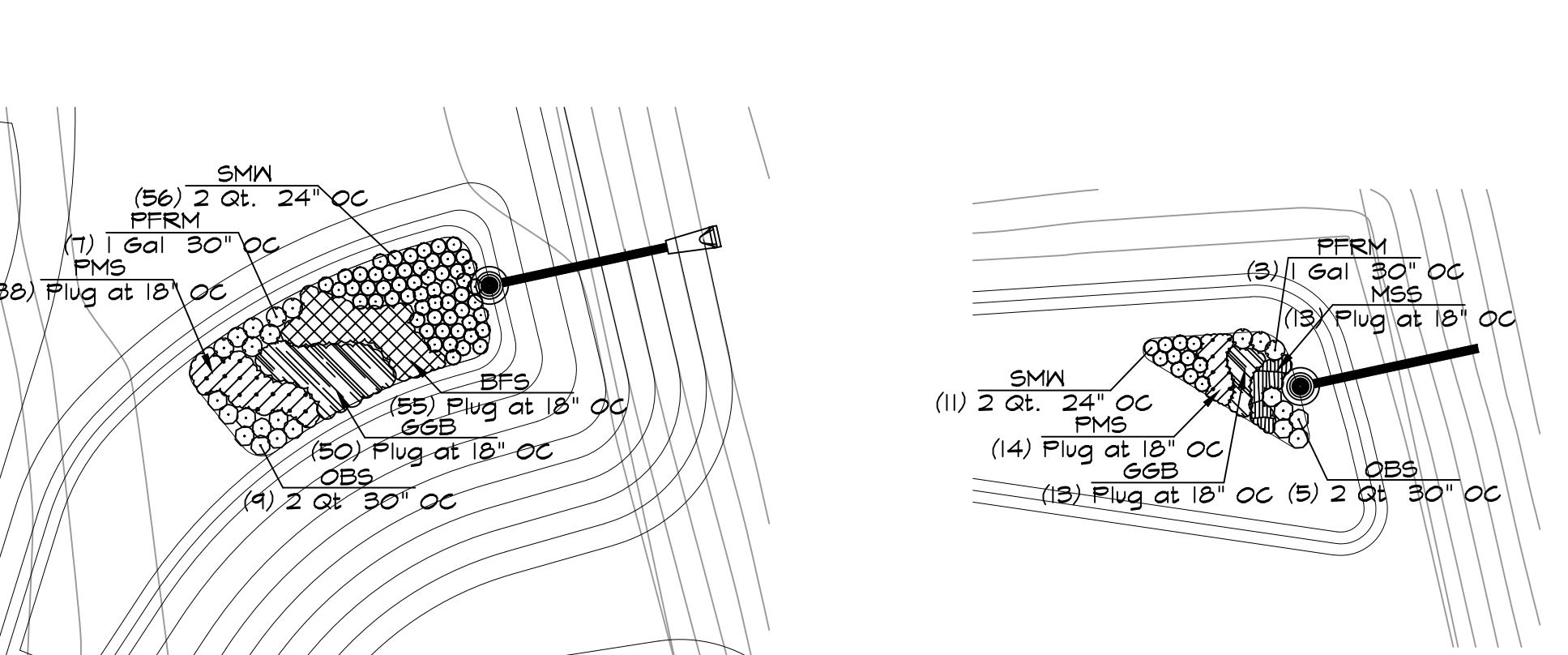


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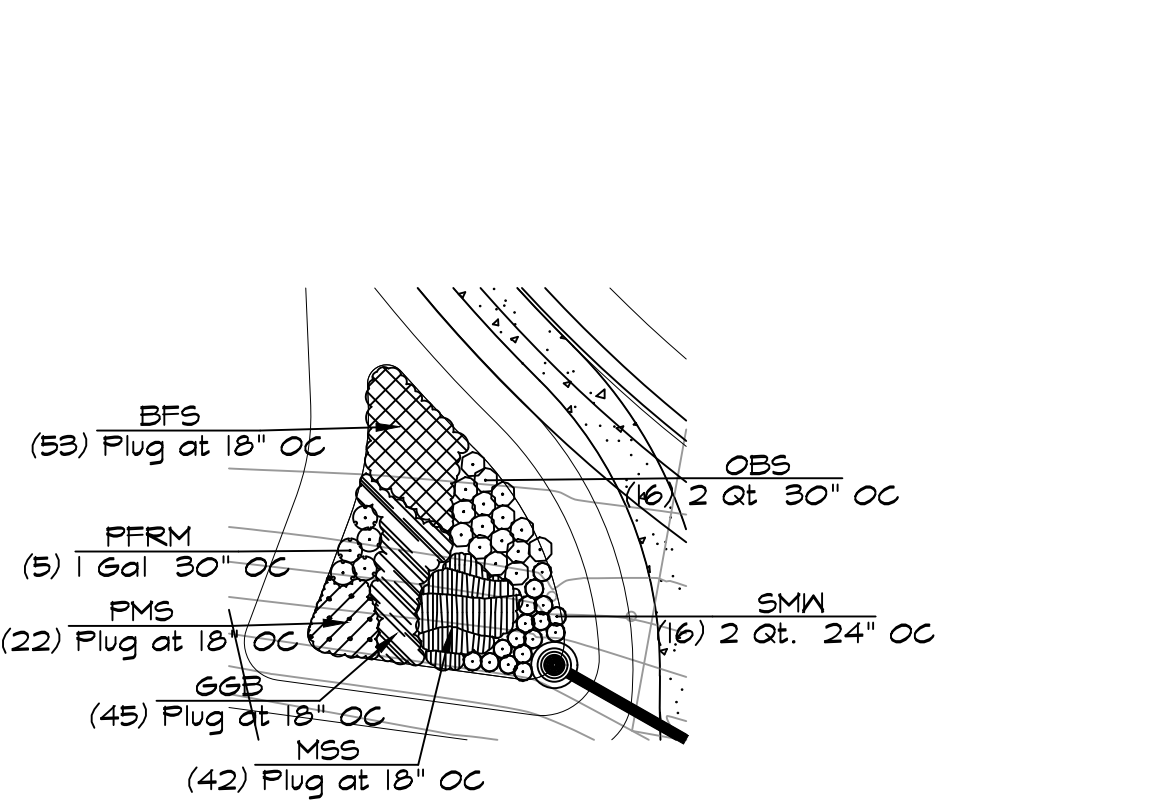
- PLUG PLANTING NOTES:**
- 1) All plugs to be 4-1/2" deep X 2" diameter minimum.
 - 2) Plugs are to be planted in a hole dug with a trowel, spade or planting bar such that the hole is of a minimum diameter and depth to accommodate the plug and its roots, without damage.
 - 3) Plugs shall be spaced in a triangulated layout approximately 24" on center. Plugs shall be planted through erosion control blanket where appropriate.
 - 4) Obtain plugs from a reputable nursery.
 - 5) Water plugs upon completion of planting so that soil is moist but not saturated.
 - 6) 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.



BIO-RETENTION # 11 SCALE: 1"=20'-0"



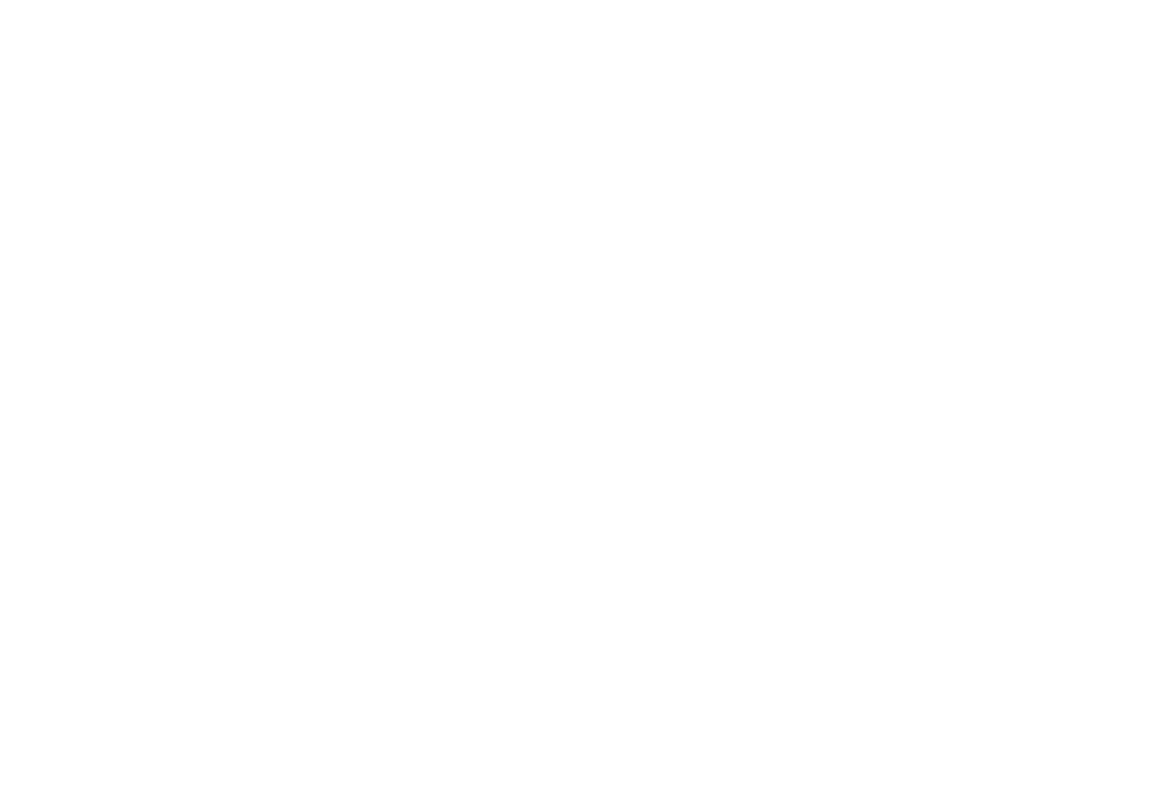
BIO-RETENTION # 12 SCALE: 1"=20'-0"



BIO-RETENTION # 13 SCALE: 1"=20'-0"



BIO-RETENTION # 14 SCALE: 1"=20'-0"



BIO-RETENTION # 15 SCALE: 1"=20'-0"

PLANTING, WATER and MULCH REQUIREMENTS				
WATER AVAILABILITY	REQUIRED PLANTING METHOD	MINIMUM CONTAINER SIZE	WATER REQUIREMENT FIRST 3 WEEKS	WATER REQUIREMENT AFTER 3 WEEKS
NO AVAILABILITY TO WATER AFTER	LATE FEB. ONLY	2.25"x3.75" LARGER	WATER EACH PLUG IMMEDIATELY	1.5" FOR PLUGS
MANUAL WATERING WITH STANDARD SPRINKLER	LATE FEB. EARLY LINE OF SPRINKLER OCTOBER	4.5"x5.0" OR LARGER	1" (80 MIN) EVERY 2 DAYS IN SPRING AND FALL	1" (80 MIN) EVERY 2 DAYS UNTIL PLANTS ESTABLISHED
AUTOMATIC IRRIGATION WATER HOSE FREQUENTLY THAN SPRINKLER 2ND MONTH AFTER PLANTING	LATE FEB. EARLY LINE OF SPRINKLER OCTOBER	2.25"x3.75" OR LARGER	1" (80 MIN) EVERY 4 DAYS IN SPRING AND FALL	1" (80 MIN) EVERY 2 DAYS UNTIL PLANTS ESTABLISHED

- BIO-RETENTION MAINTENANCE PROCEDURES:**
1. ADD 2-4 INCHES OF MULCH (SEE CIVIL DWS6 FOR TYPE) TO THE ENTIRE NEWLY PLANTED RAIN GARDEN/BIO-RETENTION AREA. DO NOT COVER THE GROUNDS OF THE PERENNIALS. REPLENISH THE MULCH AS NEEDED.
 2. AVOID FINE CUT OR LIGHTER WEIGHT MULCHES AS THEY FLOAT IN NET CONDITIONS.
 3. PRUNE ANY DEAD, DISEASED OR DAMAGED PLANTS AS SOON AS THE PROBLEM IS NOTICED. DEADENED PLANTS AS NEEDED AND DIVIDE PERENNIALS EVERY 3-4 YEARS AS NEEDED. LEAVE STEMS AND SEED HEADS STANDING IN FALL WINTER TO ADD VISUAL INTEREST AND TO PROVIDE FOOD AND COVER FOR BIRDS.
 4. PRUNE THE FOLIAGE OF PERENNIALS WHEN THEY DIE BACK FOR THE WINTER AND ORNAMENTAL GRASSES BEFORE NEW GROWTH BEGINS IN THE SPRING.
 5. HAND WEED BIENNIALS UNTIL PLANTS ARE ESTABLISHED. THEREAFTER, REMOVE OR SPOT WEEDS AS NECESSARY.
 6. WATER THE GARDEN DURING ITS ESTABLISHMENT AND EXTENDED DRY PERIODS. ONE INCH OF WATER PER WEEK IS RECOMMENDED.
 7. DO NOT USE LAWN FERTILIZERS NEAR GARDEN AREA AS THIS WILL STIMULATE WEED GROWTH.
 8. EACH SPRING, MOW AND REMOVE DEAD VEGETATION. USE BURNING ONLY UNDER SUPERVISION OF LOCAL FIRE DEPARTMENT. NATIVE PLANTS THRIVE UNDER FIRE MANAGEMENT.

- NOTE:**
- ALL NATIVE GRASS PLUGS ARE TO BE A MINIMUM 4.5" DEEP X 2" DIAMETER
 - CONTRACTOR TO PROVIDE SIGNED AND SEALED SHOP DRAWINGS TO BE APPROVED BY THE PROJECT ENGINEER AND HSD. CONTACT HSD AT 314/388-3072.
 - DURING CONSTRUCTION, THE BIO-RETENTION AREAS MAY TRAP SEDIMENT. FINAL CONSTRUCTION AND PLANTING OF THE BIO-RETENTION AREAS SHALL BE COMPLETED AFTER SILT AND DEBRIS IS REMOVED.
 - HEAVY EQUIPMENT SHALL BE KEPT OFF OF THE SOIL MIX DURING CONSTRUCTION OPERATIONS TO AVOID COMPACTING. FOOT TRAFFIC AND PRE-SOAKING TO AID NATURAL COMPACTION IS ALLOWABLE.
 - SOIL PH SHALL FALL IN THE RANGE OF 6.5 AND 7.
 - SEE CIVIL DRAWINGS FOR CROSS-SECTIONAL DETAILS OF MULCH AND SOIL MAKEUP.

- NOTE:**
- MSD BASE MAP
 - PB
 - ZIP CODE: 63005

REVISIONS BY

3/3/2021	RMM
5/6/2021	RMM
5/18/2021	RMM

Landscaper TECHNOLOGIES
 67 Jacque Creek Drive
 St. Louis, MO 63105
 MO Landscape Architectural Corporation #00000192

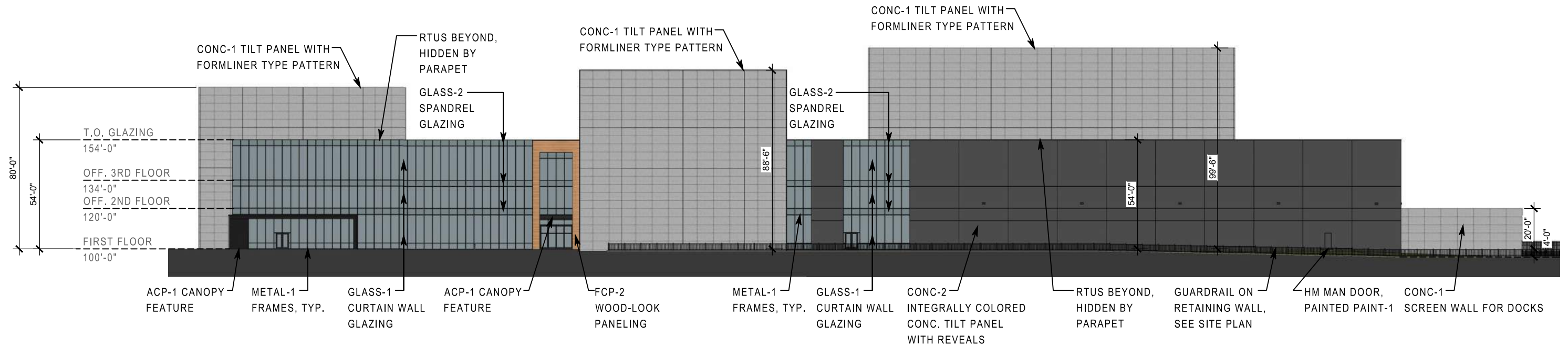
RANDALL N. HARDS
 MISSOURI LANDSCAPE ARCHITECT #0000019
 DATE: 5/18/2021

PLANTING PLAN FOR THE PROPOSED Gateway Studios
 900 SPIRIT OF ST. LOUIS BLVD. CHESTERFIELD, MO

DRAWN R. HARDS
CHECKED RMM/EL
DATE 2/26/2021
SCALE 1"=20'-0"
JOB No. 2021-118
SHEET L-3 OF THREE SHEETS

GATEWAY STUDIOS | CHESTERFIELD, MO

GMA JOB NUMBER: SJ2324 DATE:04.22.2021



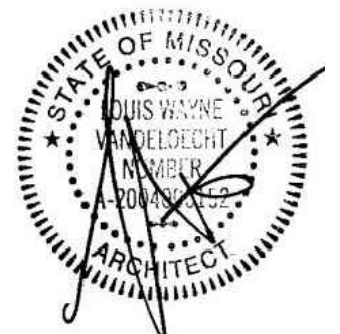
MAIN BUILDING | SOUTH ELEVATION

1" = 50' (11X17 SHEET)

NOTE: ROOF TOP EQUIPMENT WILL BE LOCATED ON THE LOWER ROOFS (NOT THE STUDIO ROOFS) AND SCREENED THROUGH THE CONCRETE TILT WALL PARAPET

MATERIAL LEGEND

CONC-1	CONCRETE WITH FORMLINER
CONC-2	INTEGRAL COLORED CONCRETE, COLOR: 'ONYX' BY SOLOMON READY-MIX
ACP-1	ALUMINUM COMPOSITE PANEL, ALUCOBOND, COLOR: CHARCOAL, GLOSS 10%
FCP-2	FIBER CEMENT PANEL, NICHHA, COLOR: CEDAR
GLASS-1	VIRACON VRE19-46 INSULATED VISION GLAZING
GLASS-2	VIRACON VRE19-46 SPANDREL GLAZING
METAL-1	BLACK ANODIZED THERMALLY BROKEN FRAMES FOR GLAZING
METAL-2	FIRESTONE MATTE BLACK FOR DOCK CANOPIES
PAINT-1	TO MATCH CONC-1
PAINT-2	TO MATCH CONC-2



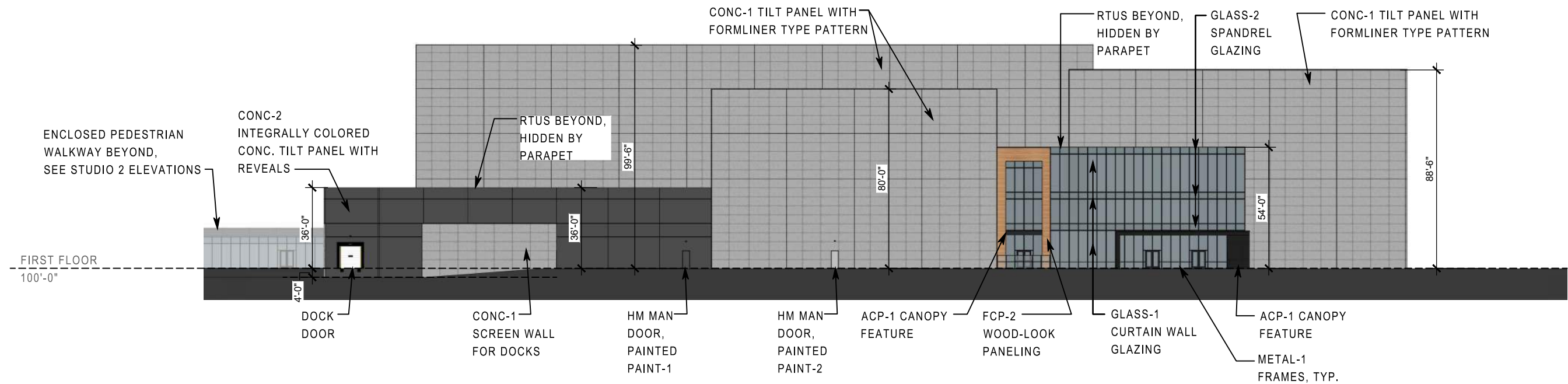
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CONCEPTUAL DRAFT ONLY

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A1.1

MAIN BUILDING ELEVATIONS



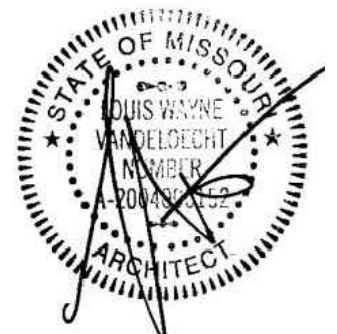
MAIN BUILDING | WEST ELEVATION

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NOTE: ROOF TOP EQUIPMENT WILL BE LOCATED ON THE LOWER ROOFS (NOT THE STUDIO ROOFS) AND SCREENED THROUGH THE CONCRETE TILT WALL PARAPET

MATERIAL LEGEND

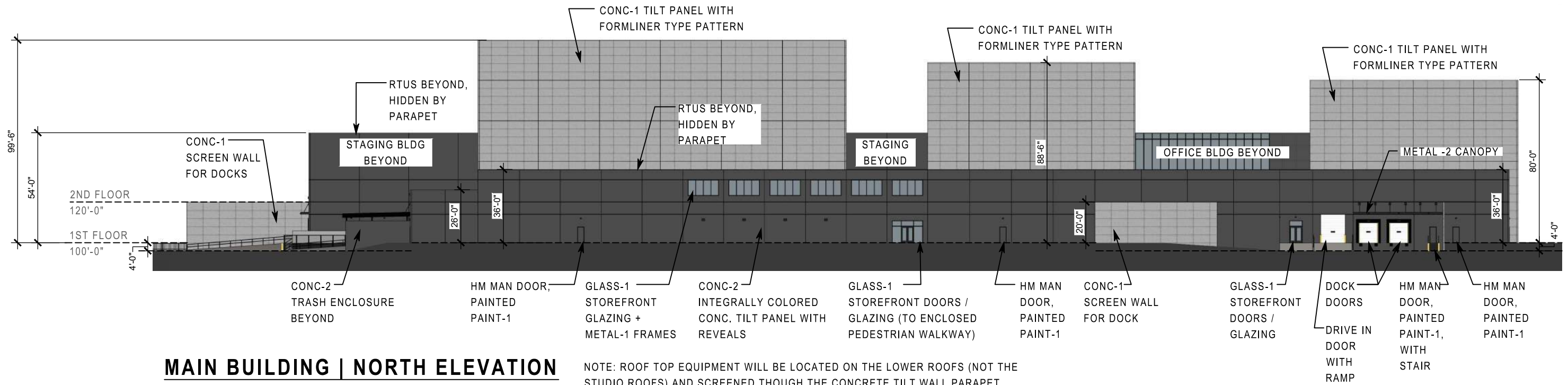
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CONC-2	INTEGRAL COLORED CONCRETE, COLOR: 'ONYX' BY SOLOMON READY-MIX
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PAINT-1	TO MATCH CONC-1
PAINT-2	TO MATCH CONC-2



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CONCEPTUAL DRAFT ONLY

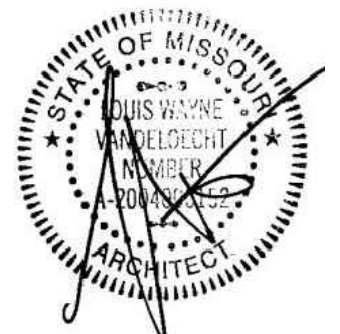
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MATERIAL LEGEND

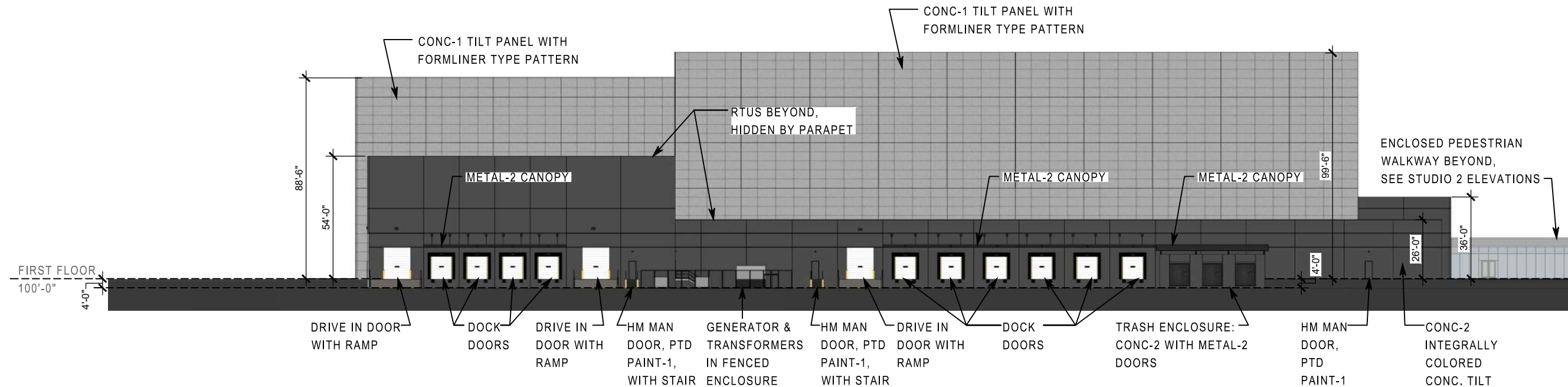
CONC-1	CONCRETE WITH FORMLINER
CONC-2	INTEGRAL COLORED CONCRETE, COLOR: 'ONYX' BY SOLOMON READY-MIX
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METAL-1	BLACK ANODIZED THERMALLY BROKEN FRAMES FOR GLAZING
METAL-2	FIRESTONE MATTE BLACK FOR DOCK CANOPIES
PAINT-1	TO MATCH CONC-1
PAINT-2	TO MATCH CONC-2



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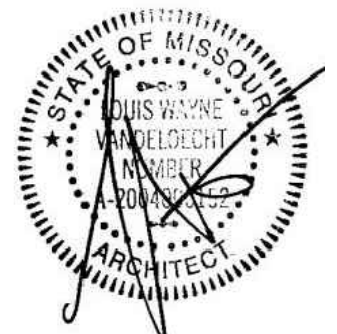
MAIN BUILDING | EAST ELEVATION

1" = 50' (11X17 SHEET)

NOTE: ROOF TOP EQUIPMENT WILL BE LOCATED ON THE LOWER ROOFS (NOT THE STUDIO ROOFS) AND SCREENED THROUGH THE CONCRETE TILT WALL PARAPET

MATERIAL LEGEND

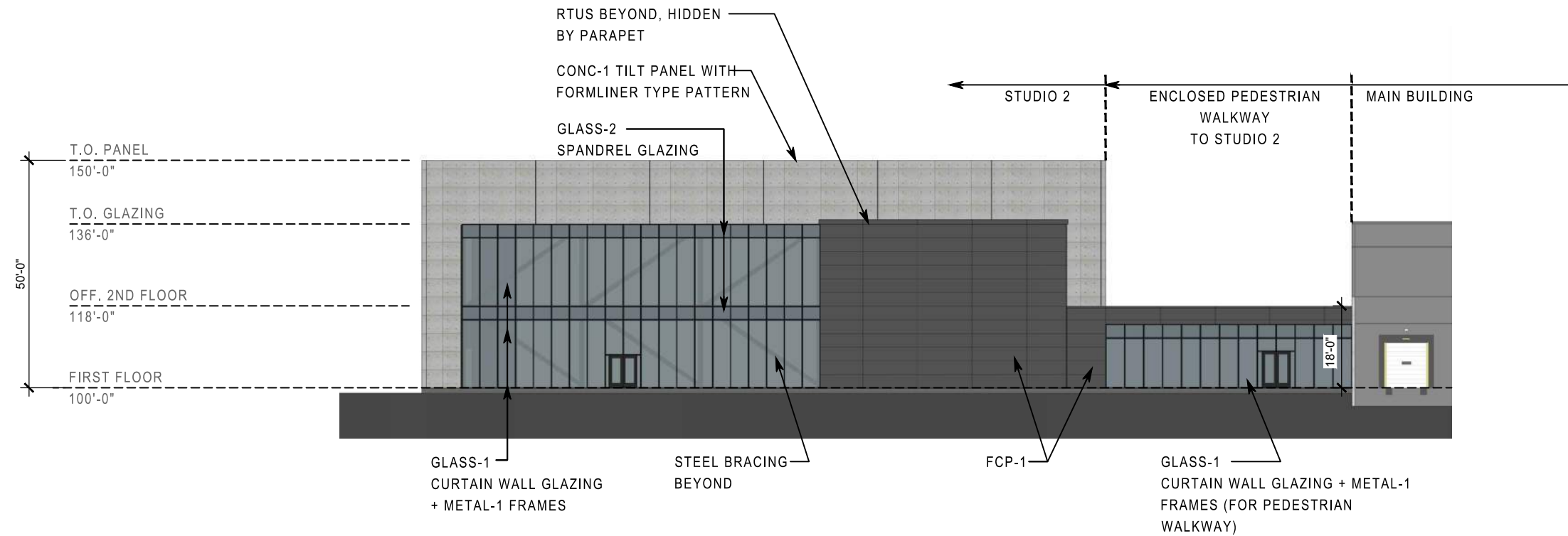
CONC-1	CONCRETE WITH FORMLINER
CONC-2	INTEGRAL COLORED CONCRETE, COLOR: 'ONYX' BY SOLOMON READY-MIX
ACP-1	ALUMINUM COMPOSITE PANEL, ALUCOBOND, COLOR: CHARCOAL, GLOSS 10%
FCP-2	FIBER CEMENT PANEL, NICHHA, COLOR: CEDAR
GLASS-1	VIRACON VRE19-46 INSULATED VISION GLAZING
GLASS-2	VIRACON VRE19-46 SPANDREL GLAZING
METAL-1	BLACK ANODIZED THERMALLY BROKEN FRAMES FOR GLAZING
METAL-2	FIRESTONE MATTE BLACK FOR DOCK CANOPIES
PAINT-1	TO MATCH CONC-1
PAINT-2	TO MATCH CONC-2



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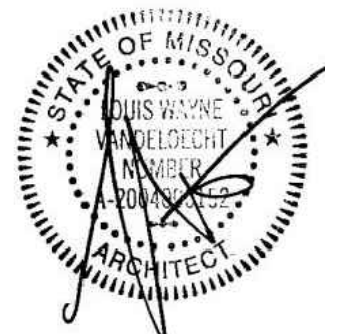
STUDIO 2 | WEST ELEVATION

1" = 30' (11X17 SHEET)

NOTE: ROOF TOP EQUIPMENT WILL BE LOCATED ON THE LOWER ROOFS (NOT THE STUDIO ROOF) AND SCREENED THROUGH THE PARAPETS

MATERIAL LEGEND

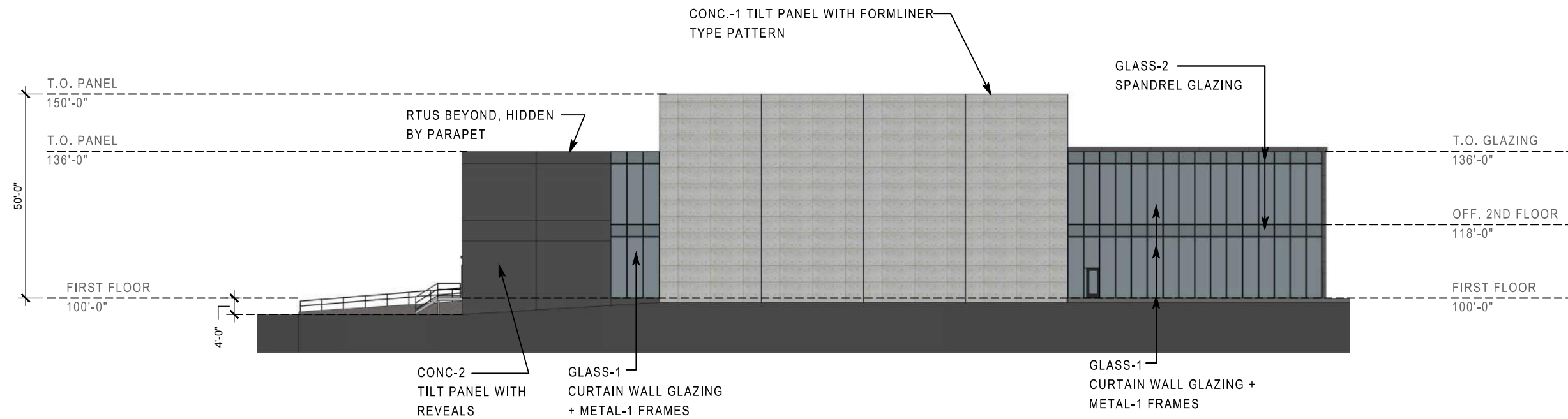
CONC-1	CONCRETE WITH FORMLINER
CONC-2	INTEGRAL COLORED CONCRETE, COLOR: 'ONYX' BY SOLOMON READY-MIX
FCP-1	FIBER CEMENT PANEL, NICHIIA, COLOR: MIRAIA ONYX
GLASS-1	VIRACON VRE19-46 INSULATED VISION GLAZING
GLASS-2	VIRACON VRE19-46 SPANDREL GLAZING
METAL-1	BLACK ANODIZED THERMALLY BROKEN FRAMES FOR GLAZING
METAL-2	FIRESTONE MATTE BLACK FOR DOCK CANOPIES
PAINT-1	TO MATCH CONC-1



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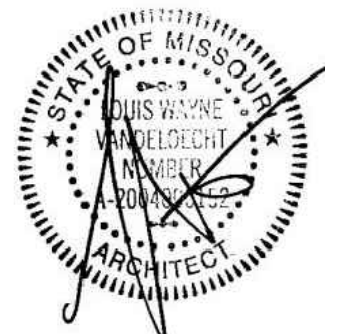
STUDIO 2 | NORTH ELEVATION

1" = 50' (11X17 SHEET)

NOTE: ROOF TOP EQUIPMENT WILL BE LOCATED ON THE LOWER ROOFS (NOT THE STUDIO ROOF) AND SCREENED THROUGH THE PARAPETS

MATERIAL LEGEND

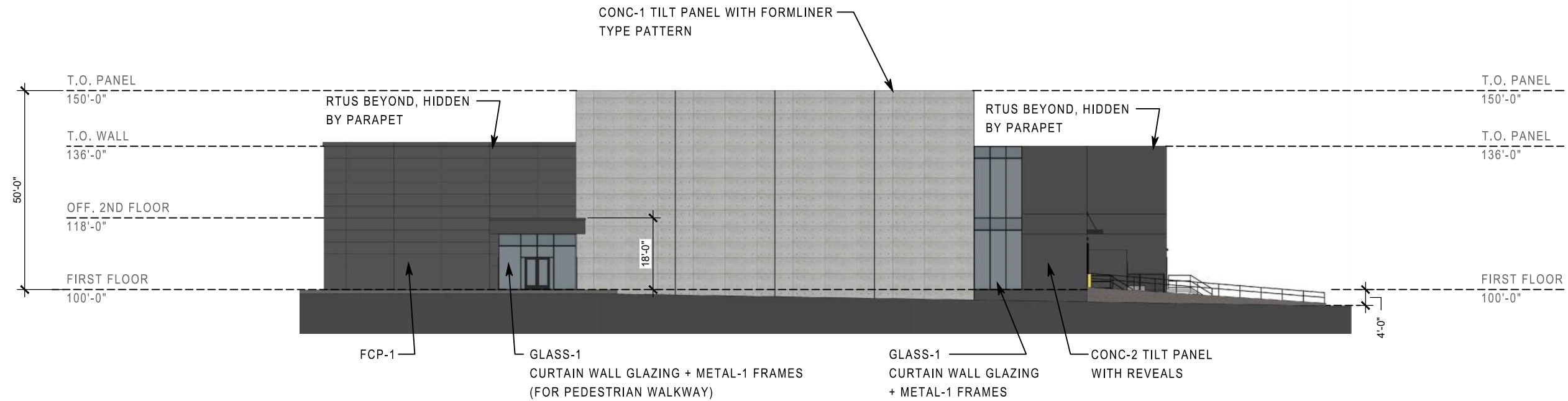
CONC-1	CONCRETE WITH FORMLINER
CONC-2	INTEGRAL COLORED CONCRETE, COLOR: 'ONYX' BY SOLOMON READY-MIX
FCP-1	FIBER CEMENT PANEL, NICHIIA, COLOR: MIRAIA ONYX
GLASS-1	VIRACON VRE19-46 INSULATED VISION GLAZING
GLASS-2	VIRACON VRE19-46 SPANDREL GLAZING
METAL-1	BLACK ANODIZED THERMALLY BROKEN FRAMES FOR GLAZING
METAL-2	FIRESTONE MATTE BLACK FOR DOCK CANOPIES
PAINT-1	TO MATCH CONC-1



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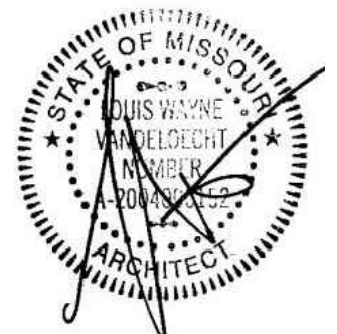
STUDIO 2 | SOUTH ELEVATION

1" = 50' (11X17 SHEET)

NOTE: ROOF TOP EQUIPMENT WILL BE LOCATED ON THE LOWER ROOFS (NOT THE STUDIO ROOF) AND SCREENED THROUGH THE PARAPETS

MATERIAL LEGEND

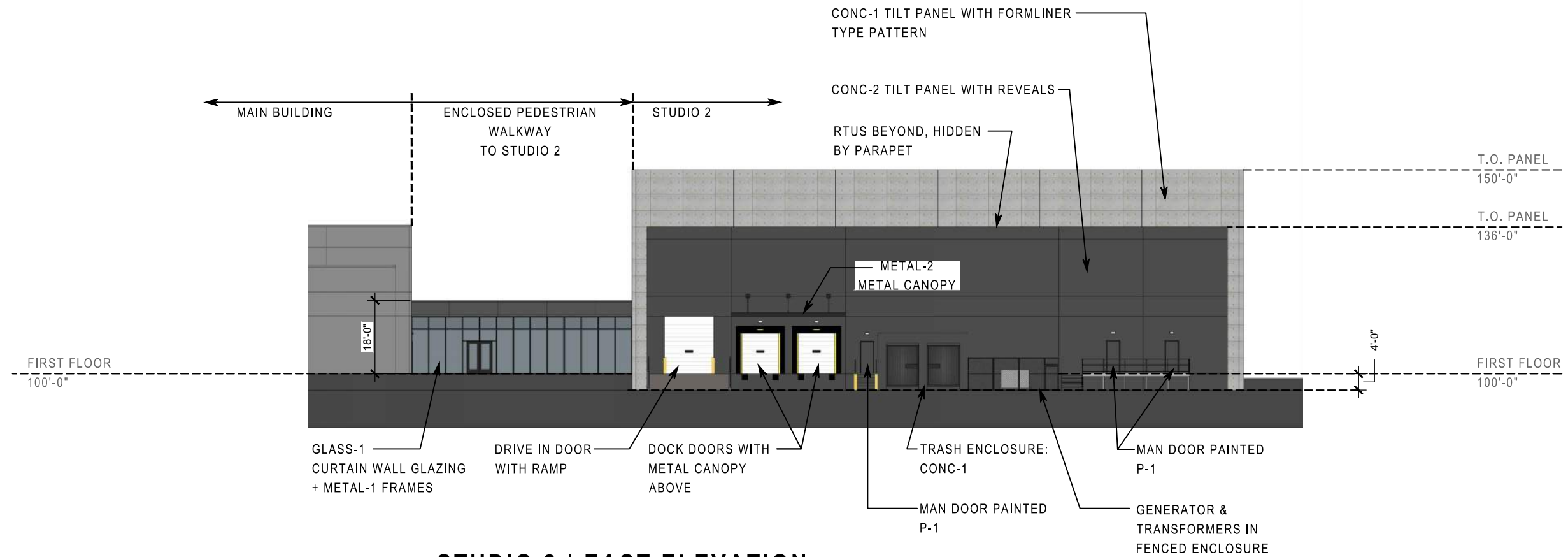
CONC-1	CONCRETE WITH FORMLINER
CONC-2	INTEGRAL COLORED CONCRETE, COLOR: 'ONYX' BY SOLOMON READY-MIX
FCP-1	FIBER CEMENT PANEL, NICHIIA, COLOR: MIRAIA ONYX
GLASS-1	VIRACON VRE19-46 INSULATED VISION GLAZING
GLASS-2	VIRACON VRE19-46 SPANDREL GLAZING
METAL-1	BLACK ANODIZED THERMALLY BROKEN FRAMES FOR GLAZING
METAL-2	FIRESTONE MATTE BLACK FOR DOCK CANOPIES
PAINT-1	TO MATCH CONC-1



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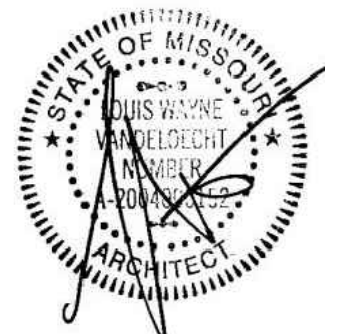
STUDIO 2 | EAST ELEVATION

1" = 50' (11X17 SHEET)

NOTE: ROOF TOP EQUIPMENT WILL BE LOCATED ON THE LOWER ROOFS (NOT THE STUDIO ROOF) AND SCREENED THROUGH THE PARAPETS

MATERIAL LEGEND

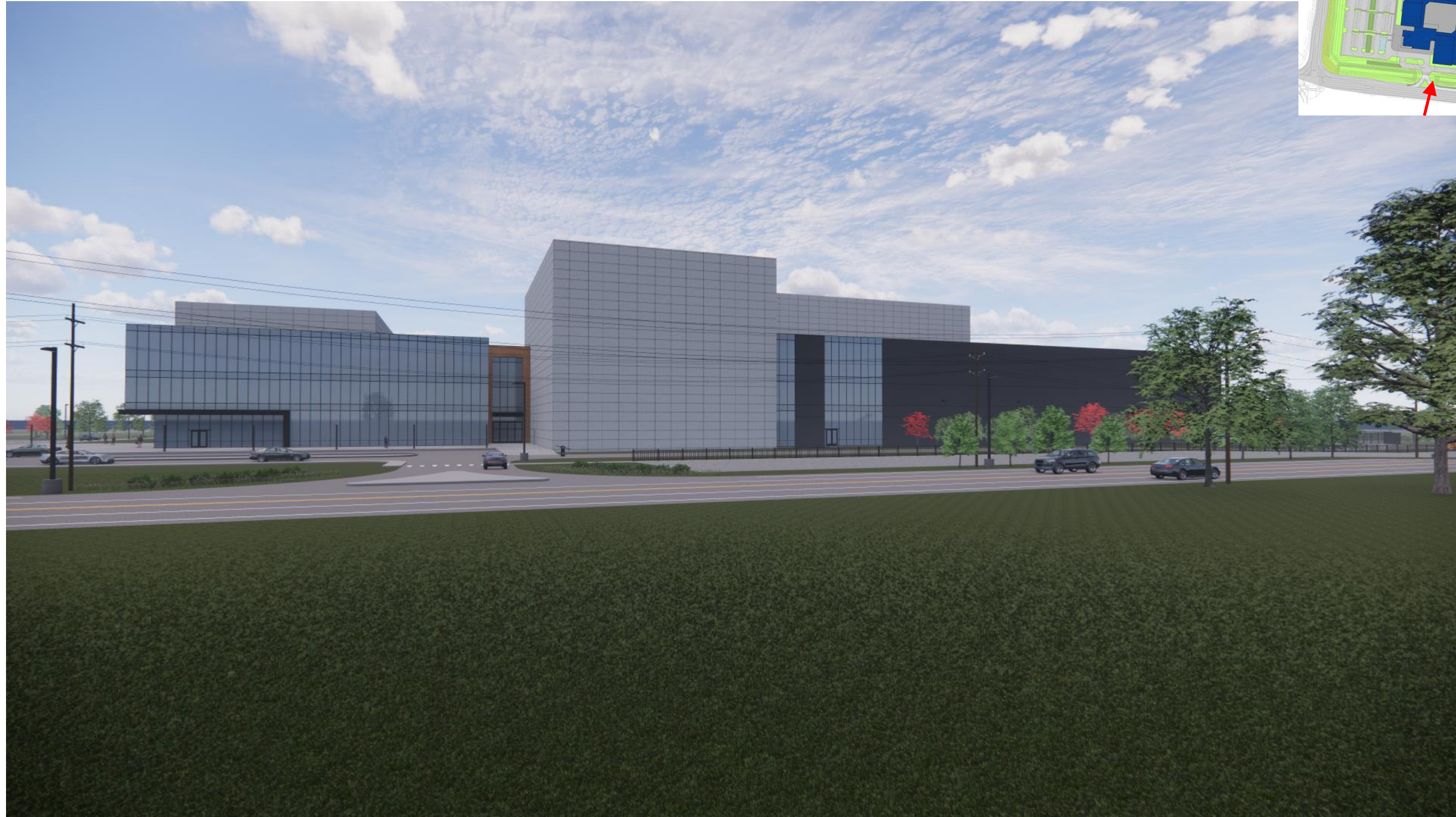
CONC-1	CONCRETE WITH FORMLINER
CONC-2	INTEGRAL COLORED CONCRETE, COLOR: 'ONYX' BY SOLOMON READY-MIX
FCP-1	FIBER CEMENT PANEL, NICHIIA, COLOR: MIRAIA ONYX
GLASS-1	VIRACON VRE19-46 INSULATED VISION GLAZING
GLASS-2	VIRACON VRE19-46 SPANDREL GLAZING
METAL-1	BLACK ANODIZED THERMALLY BROKEN FRAMES FOR GLAZING
METAL-2	FIRESTONE MATTE BLACK FOR DOCK CANOPIES
PAINT-1	TO MATCH CONC-1



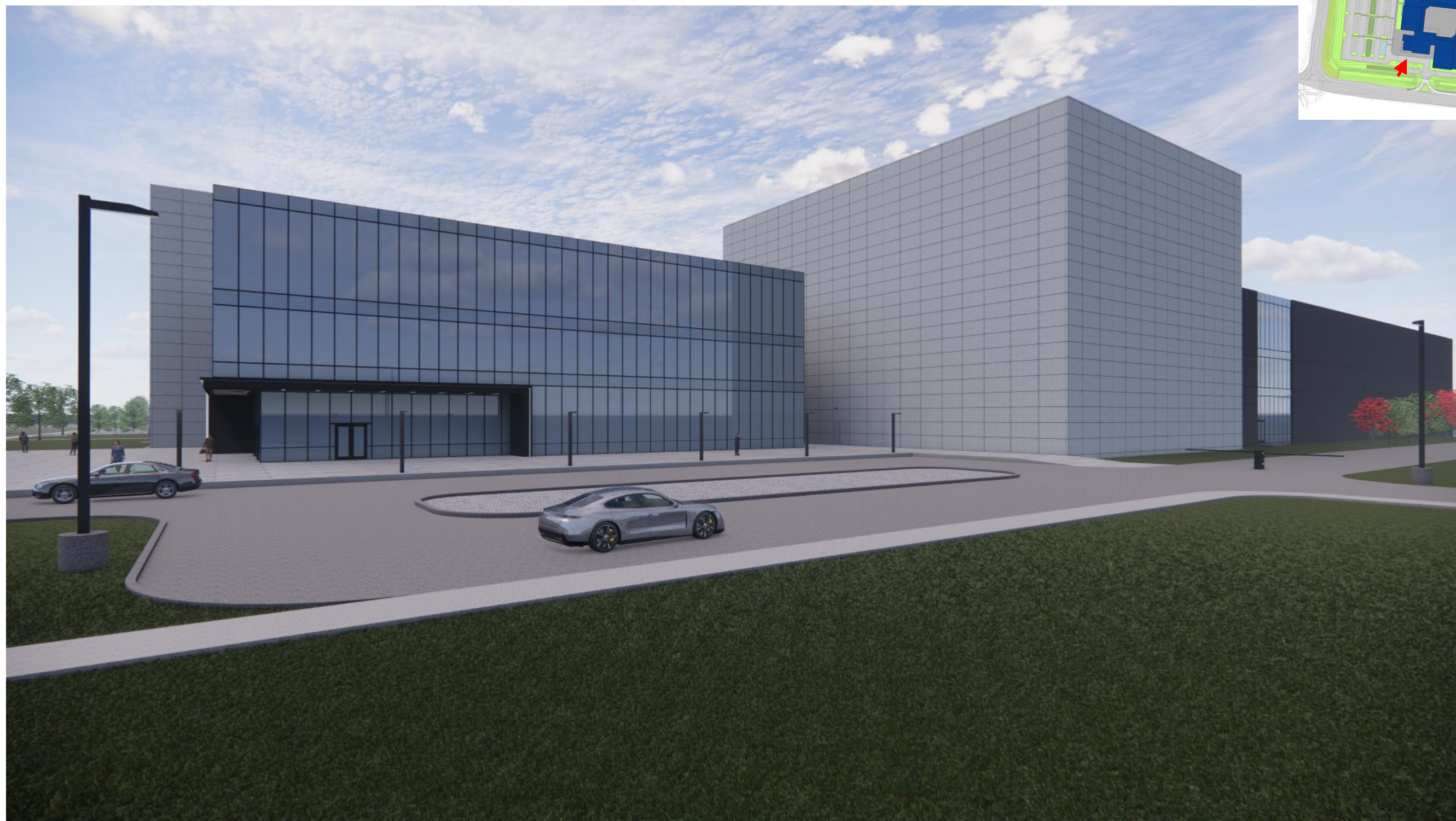
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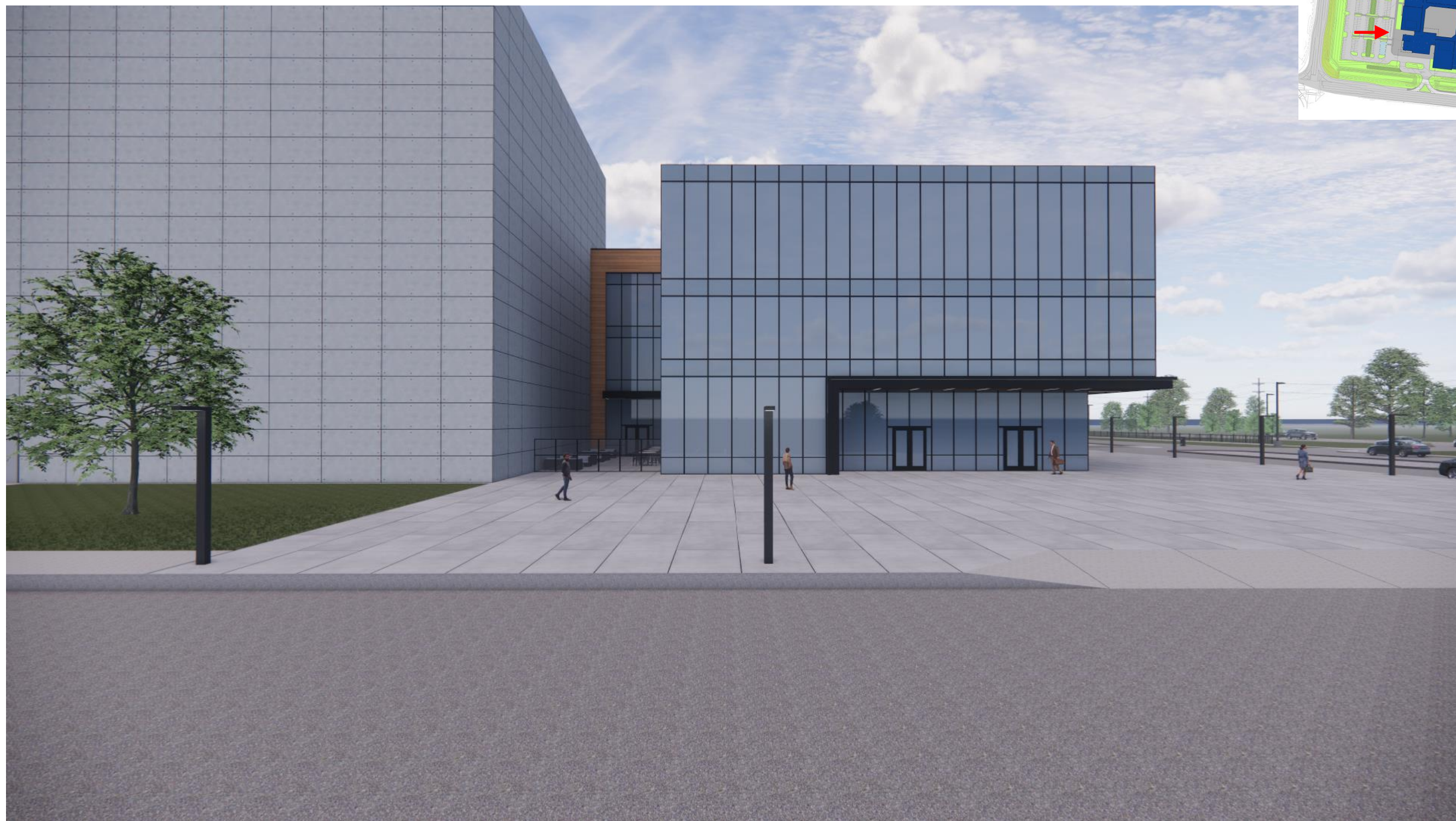




MAIN BUILDING



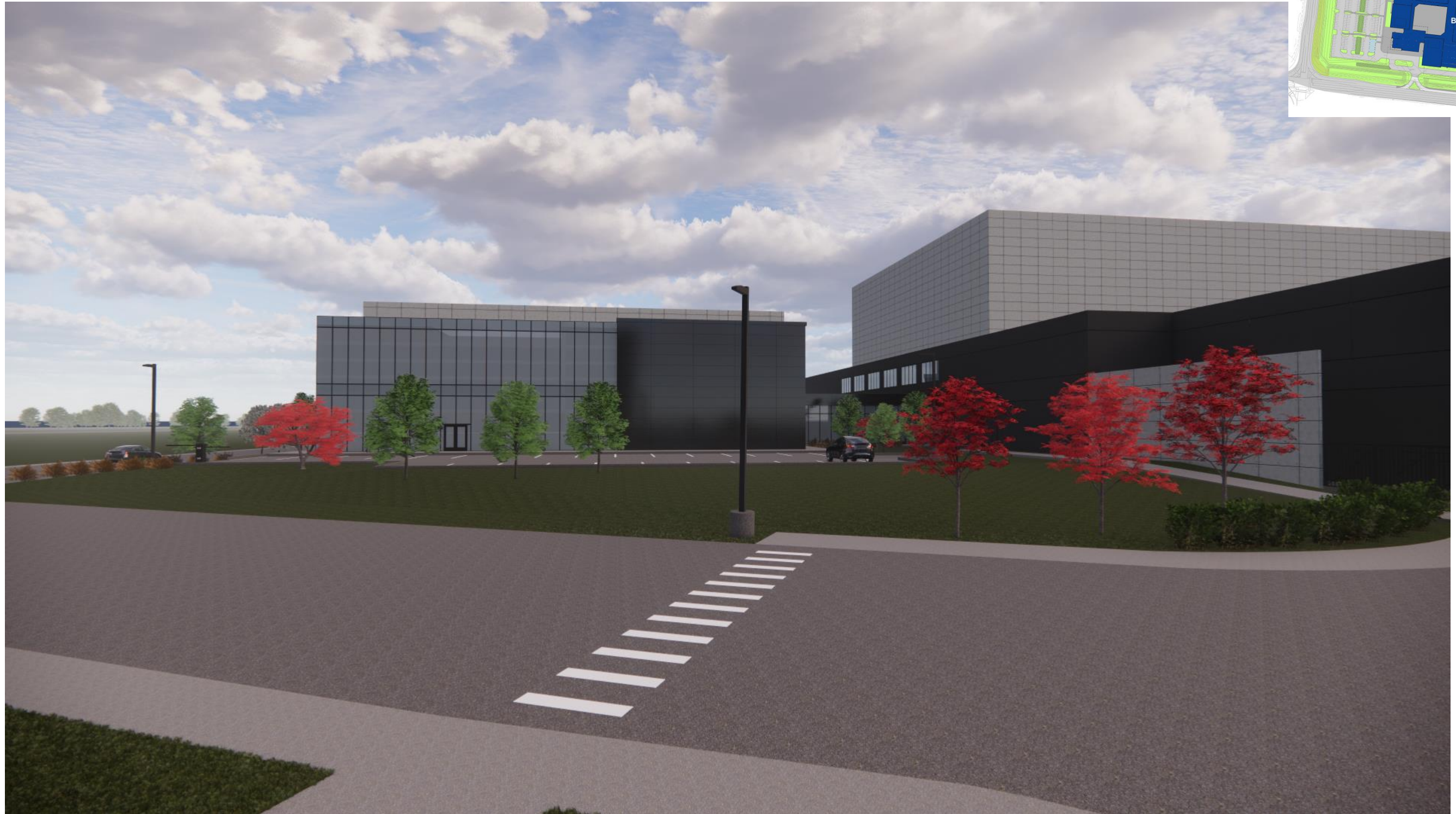
MAIN BUILDING



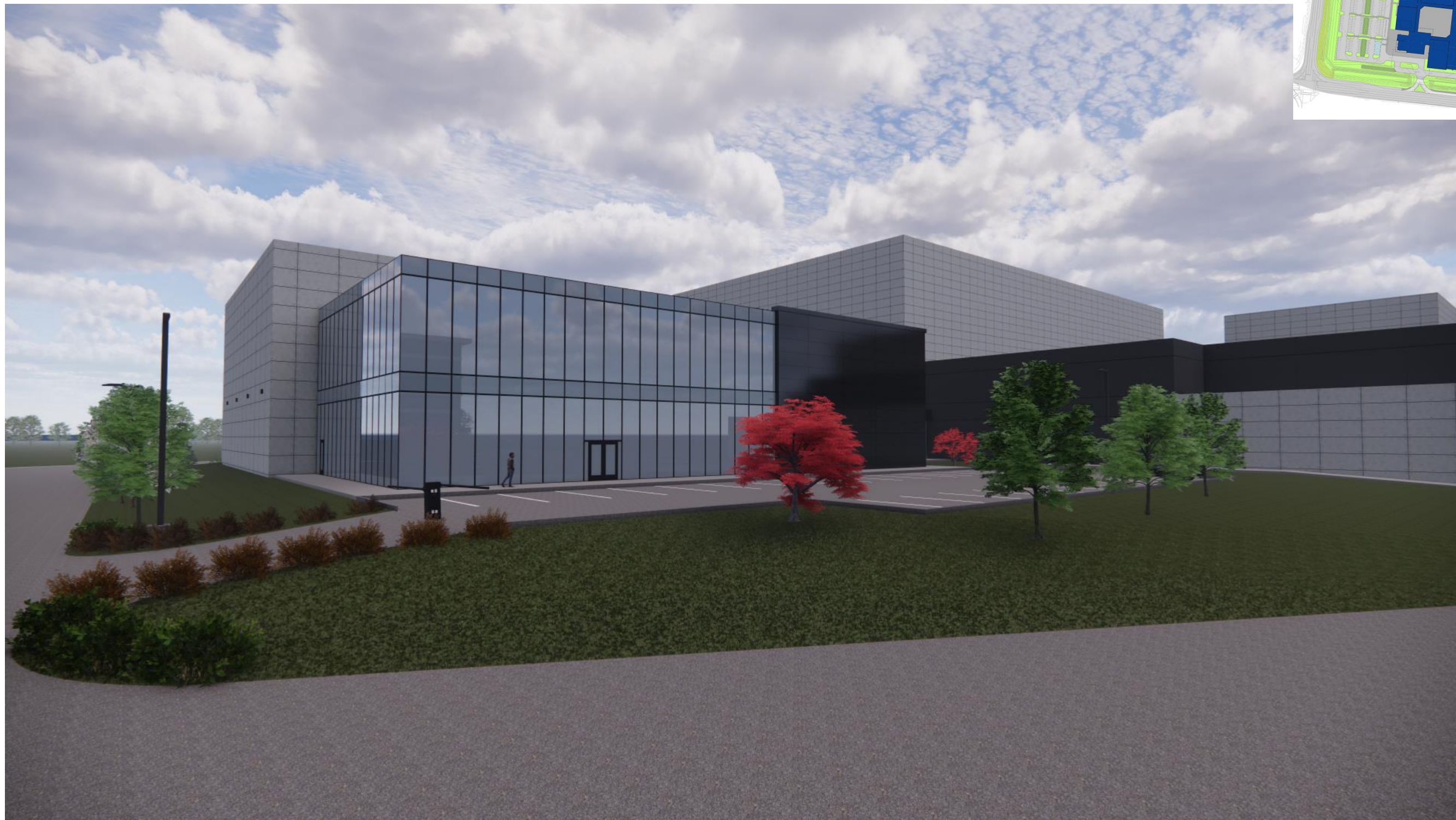
MAIN BUILDING



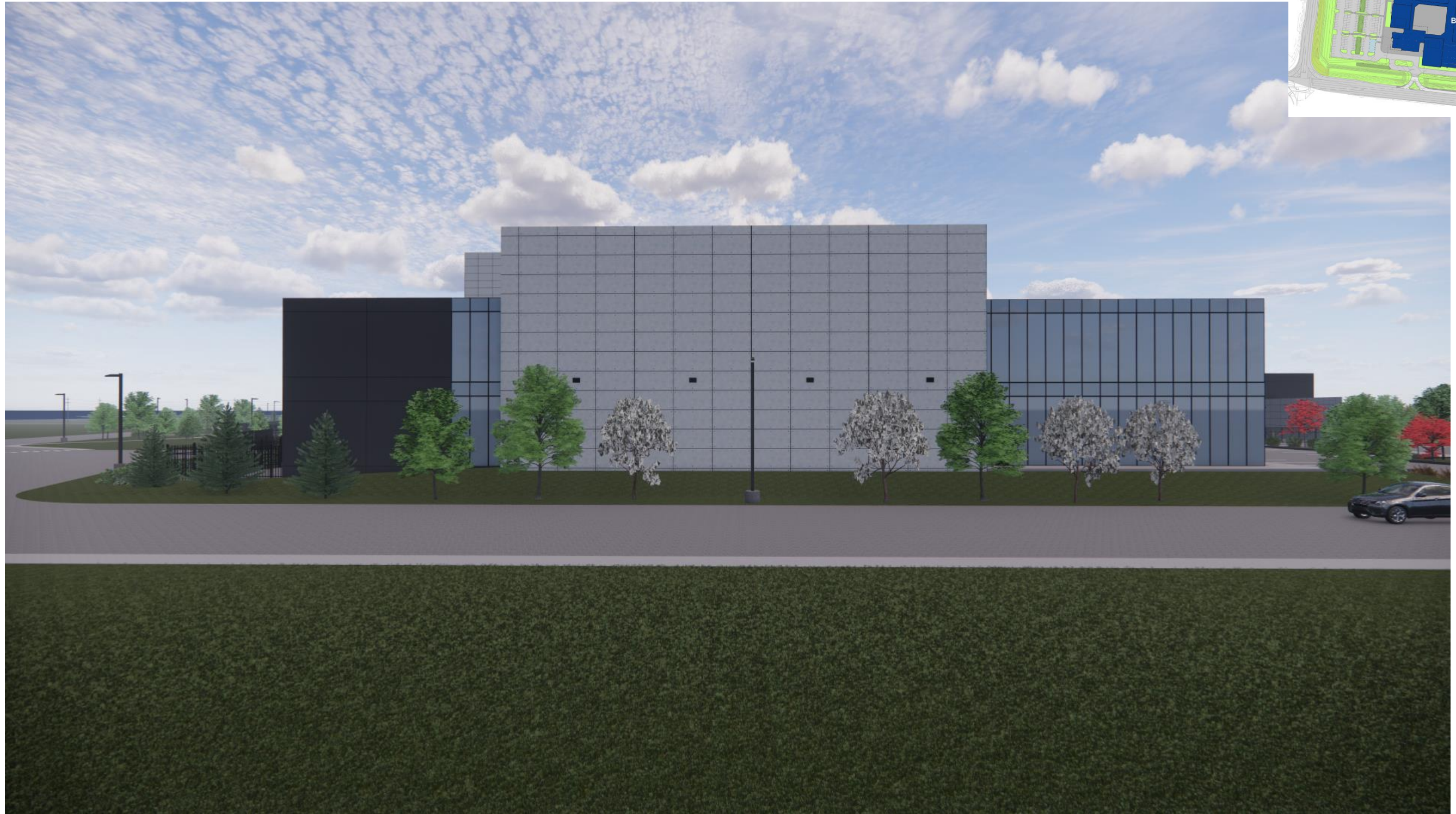
MAIN BUILDING



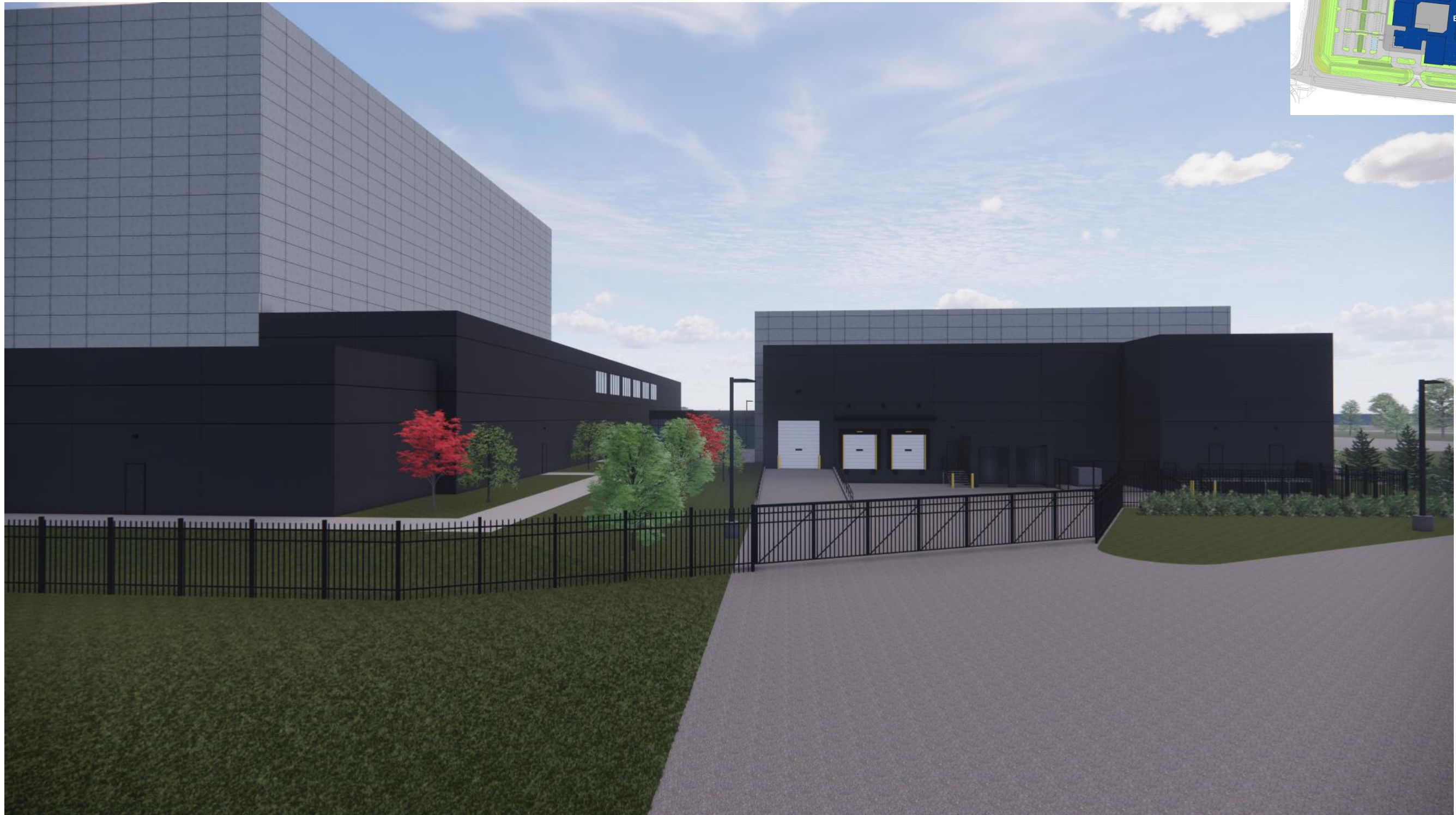
STUDIO 2 on left, MAIN BUILDING on right



STUDIO 2



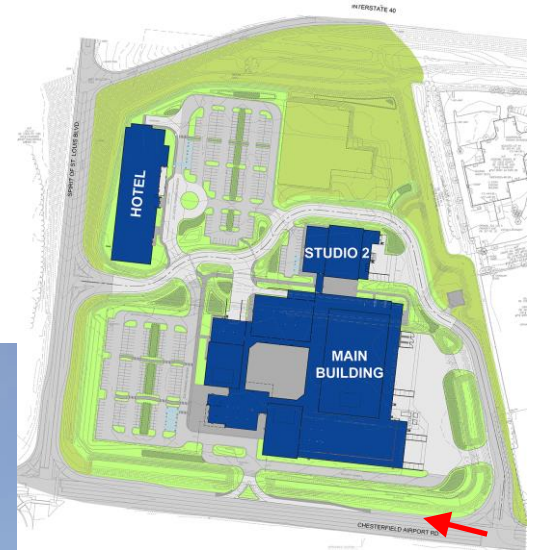
STUDIO 2



STUDIO 2 on right, MAIN BUILDING on left



MAIN BUILDING docks



MAIN BUILDING

March 22, 2021

Revised April 20, 2021

Architect's Statement of Design **Gateway Studios – Main Building and Studio 2**

Introduction

Gateway Studios is a campus-style complex comprised of the Spirit Hotel, the Main Building, and Studio 2. While the Spirit Hotel will be open to the public, the Main Building and Studio 2 will be private, state-of-the-art facilities that serve the Music and Film Industry.

The Main Building is the heart of the Gateway Studios Campus, while Studio 2 is an extension of the Main Building. With precise acoustical design at the forefront of this project, the Main Building and Studio 2 have been meticulously designed based on function, while not sacrificing visual appeal.

PART A | The Main Building

The primary façade of the Main Building faces Chesterfield Airport Road. The exterior design presents a bold transition from a three-story all glass and steel office to a contemporary all concrete façade. This design mimics the transition from modern office buildings to utilitarian industrial buildings located in this area of Chesterfield. The Main Building contains several distinct areas: Studio 65, Studio 75, Studio 80, a Main Office, a Studio Support Space, and B. Goode Lanes.

The Main Building: Design - Studios

Studio 65, Studio 75, and Studio 80 are self-contained studios for the purposes of privately recording, rehearsing, and/or filming. Due to the need for an exceptional acoustically designed space, the studio exterior walls are insulated tilt-up concrete wall panels with minimal openings in the exterior wall construction. The exposed concrete panels are designed with a formliner pattern reminiscent of the designs of the Japanese Architect Tadao Ando, the Architect of the Pulitzer Arts Foundation in St. Louis. This formliner highlights the inherent beauty of raw concrete, while bringing a natural texture and scale to the Studio walls.

The Main Building: Design - Main Office

The Main Office is the main entry to the facility. A sizeable entry plaza leads to a sleek glass and steel building that cantilevers on the corner to create a covered entry into the grand office lobby. Low-gloss aluminum composite panels frame the cantilevered entry, with a pop of wood-look fiber cement paneling on the underside. The office glazing is an energy efficient, insulated, Low-E glazing with a grey-blue tint. The all-glass walls of the office provide an abundance of daylight for offices on all sides of the building, with the interior side of the office building facing the private courtyard. The three-story office provides a visual balance to the taller Studio portions which flank the Main Office. Warm, wood-look fiber cement paneling clads the recessed areas where the Main Office meets the Studio walls.

The Main Building: Design - Studio Support Space, B. Goode Lanes, and other supporting areas

The receiving and staging function of the Studio Support Space lends to a simple and durable exterior design that complements, in lieu of competing with, the Studio and the Main Office exterior designs which are the feature of the project. The exterior walls of the Studio Support Spaces are maintenance-free, dark grey, integrally colored concrete walls that contrast with the light grey raw concrete walls of the Studios. The minimalist and functional design for the exterior of the Studio Support Space is softened by aluminum ornamental fencing, accent lighting, and a variety of landscaping which provide visual relief and interest on the primary façade. The varying-colored trees, as noted in the Landscape Plan, provide contrast from the dark grey integrally colored concrete tilt walls.

B. Goode Lanes is situated inconspicuously on the north side of the Main Building. The dark grey integrally colored concrete walls of B. Goode Lanes create a discrete façade for the private bowling and dining area used by the artists and their crew members.

Throughout the Main Building design, the dark grey integrally colored concrete walls denote that space as a secure, 'behind-the-scenes' areas of the building such as storage, loading docks, kitchen, catering, office, and recreational spaces for the crews.

PART B | STUDIO 2

Studio 2 is a self-contained studio for the purpose of privately recording, rehearsing, and/or filming, with the option to utilize the adjoining offices. Studio 2 is comprised of three separate yet cohesive areas: An office, a studio, and a dock area. These areas have been designed to coordinate and complement the Main Building. Studio 2 is connected to the Main Building via an all glass enclosed pedestrian walkway.

Studio 2: Design - Main Office

Two-story, energy efficient, grey-blue glass provides daylight for the office area of Studio 2. High floor-to-floor spacing gives grandeur and balance to the two-story office space beside the taller Studio walls.

A portion of the office is clad in a durable, high-quality, high-gloss fiber cement panel to serve the need for a private, enclosed portion of the office area. This material has been carefully placed so that it does not face Chesterfield Airport road nor the Interstate. Though not prevalent in the United States, the high gloss material has been selected due to its stunning appearance and prominent use in contemporary buildings around the world. This material selection reflects the unique and world-class nature of the Gateway Studios project.

Studio 2: Design - Studio

With acoustical demands driving the exterior façade design of the studio portion, the studio walls will be insulated tilt-up concrete wall panels with minimal openings in the exterior wall construction. The exposed concrete panels are designed with the same formliner pattern as the Main Building. The north elevation, which faces the Interstate, has landscaping and accent lighting to provide interest and variety to the north façade. The north façade achieves balance through a variety of dark grey integrally colored concrete walls, raw concrete walls with form liner pattern, and curtain wall glazing.

Studio 2: Design - Dock area



The exterior concrete tilt-up walls of the dock area are a durable, integrally colored dark grey concrete. The darker grey color coordinates with the Main Building and provides visual contrast from the lighter concrete walls of the Studio spaces.

PART C | SITE

Site Relationships - Pedestrian Movement

The various buildings at the Gateway Studios Campus are connected via a continuous sidewalk which provides safe pedestrian movement between areas.

Site Relationships – Plazas / Courtyards

A plaza frames the main entrance at the Main Building. Within the interior of the Main Building is a private, serene courtyard. Between the Main Building and Studio 2 is a private plaza.

Site Relationships – Scenic Views, Screening

Both the Main Office of the Main Building and the office area of Studio 2 face the desirable sunset views to the west.

The Main Office at the Main Building also faces courtyard views to the north, while the placement of Studio 65 blocks the Main Office from the undesirable views and sounds of Interstate 40.

The layout of the Main Building and Studio 2 have been designed to conceal the trash enclosures from Chesterfield Airport Road and from Interstate 40. The trash enclosure will be constructed of the same integrally colored concrete walls as the facility. The trash enclosure will have matching matte black metal gates and a matte black metal canopy.

All dock areas are screened with a 20' tall by 60' long screen walls that are the same concrete wall construction and formliner design as the Studio walls.

Parapets will be utilized throughout the facility to screen rooftop equipment.

Site Relationships – Climate

The Main Building is situated with the longest sides on the East-West axis, which is preferable for large building in humid subtropical climates. The East and West sides, which are primarily concrete tilt walls, will provide mass to slow the solar heat gain during the summer. The South and West walls of the office will be a high performing, low-e, energy efficient glass. The covered outdoor areas of the courtyard will provide a shaded space throughout the year.

Studio 2 is designed similarly to the Main Building, with insulated concrete walls and high performing, low-e, energy efficient glass. The shaded space created between the Main Building and Studio 2 is being utilized as a plaza.

In addition to the building orientation and shading, the building envelopes for both buildings will be designed per the International Energy Code Council guidelines.

Circulation and Access

Pedestrian circulation has been designed to provide safe and easy access around the campus.

Vehicular circulation has been designed per City of Chesterfield guidelines.

Parking for the Main Building and Studio 2 is per Chesterfield guidelines, with the parking located to the side of the building.

The parking at the Main Building is separated from the Main Entry by a plaza on one side and a landscaped area on the other side.

Topography

Where possible, the natural slope and topography of the site was maintained.

Retaining Walls

A retaining wall with a decorative black metal guardrail will be provided per the submitted Site Plan. The grey concrete block retaining wall compliments the grey exposed concrete tilt walls of the Studios.

Landscaping

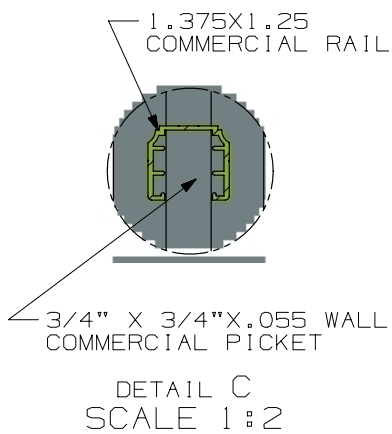
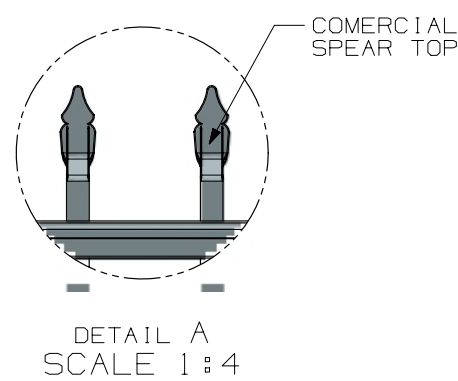
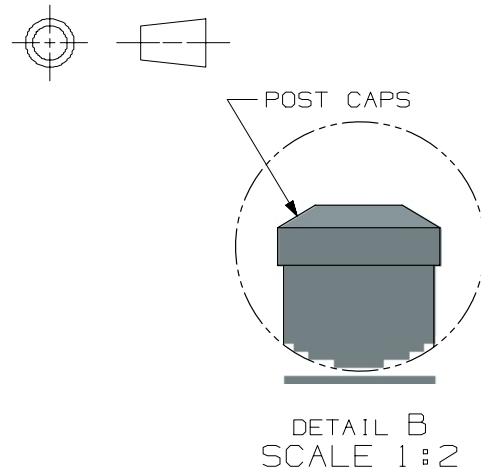
Landscaping has been incorporated throughout the site design to provide natural beauty, provide shade, and preserve the natural soil, air, and water quality. Landscaping surrounds the site and the buildings on the Gateway Studios Campus. Trees of varying colors are placed in front of the larger expanses of concrete walls. Landscaped areas help create separation between the buildings and the drive areas. The landscaping has been designed per City of Chesterfield standards with a combination of deciduous trees, evergreen trees, and ornamentals trees and shrubs.

Signage

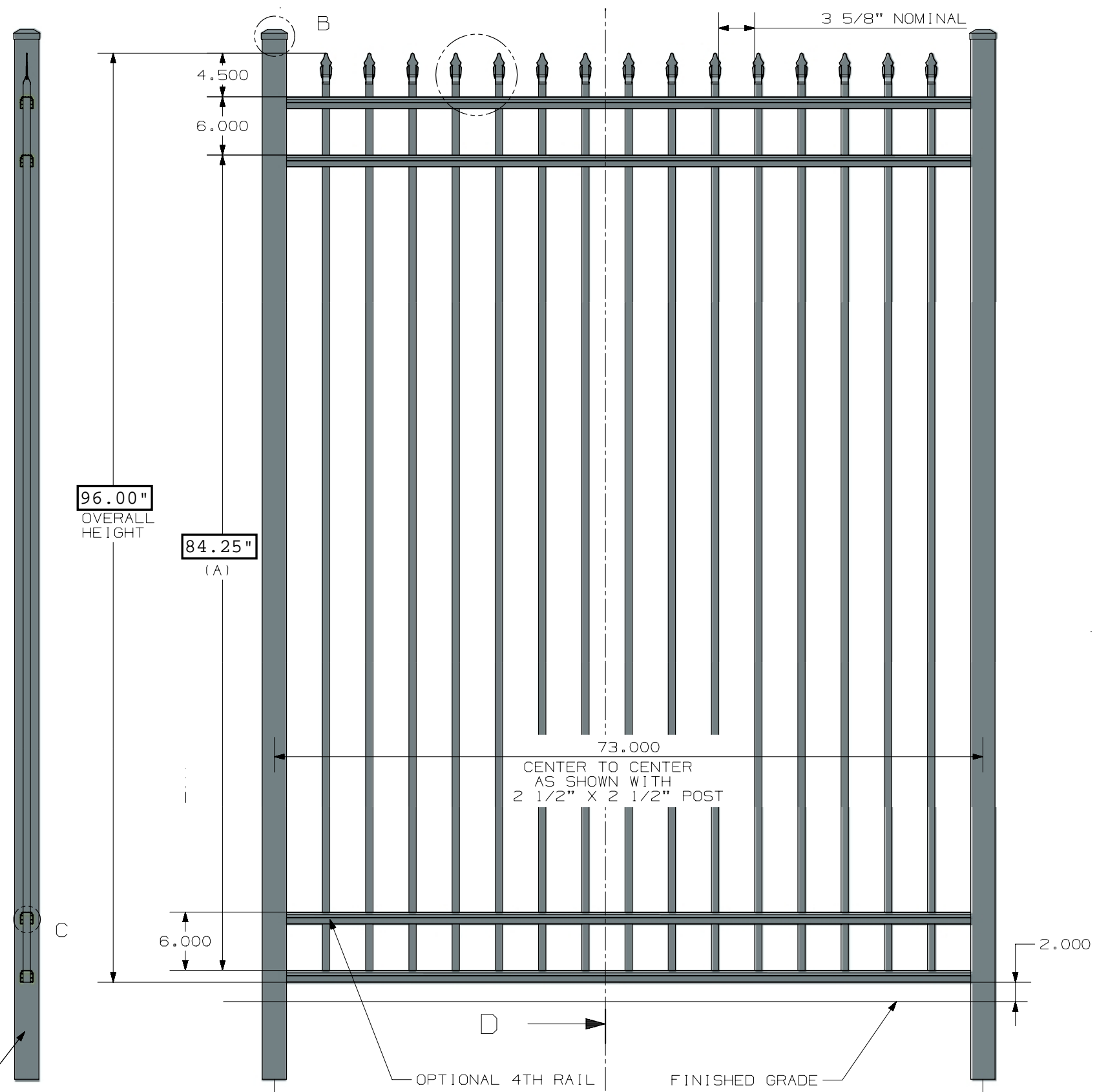
All signage will be submitted through a separate submittal.

Lighting

Lighting will be submitted though a separate submittal.

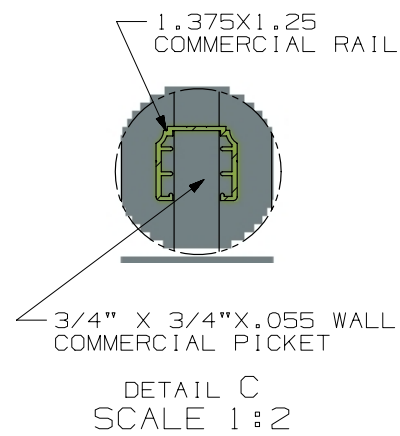
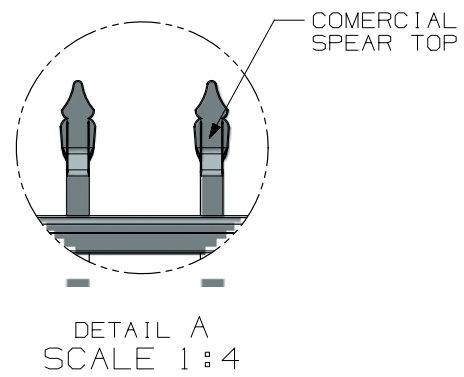
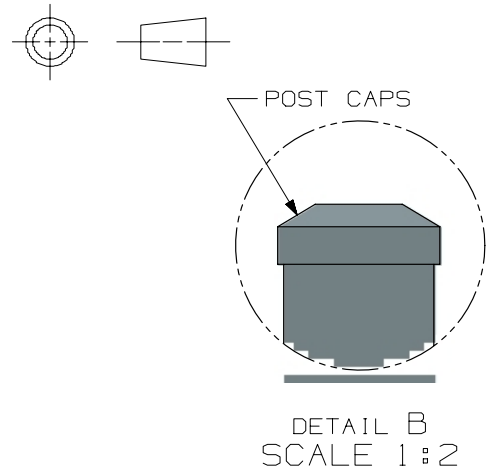


- POST OPTIONS
- 2" X 2" X .080" WALL
 - 2" X 2" X .125" WALL
 - 2 1/2" X 2 1/2" X .100" WALL
 - 3" X 3" X .125" WALL

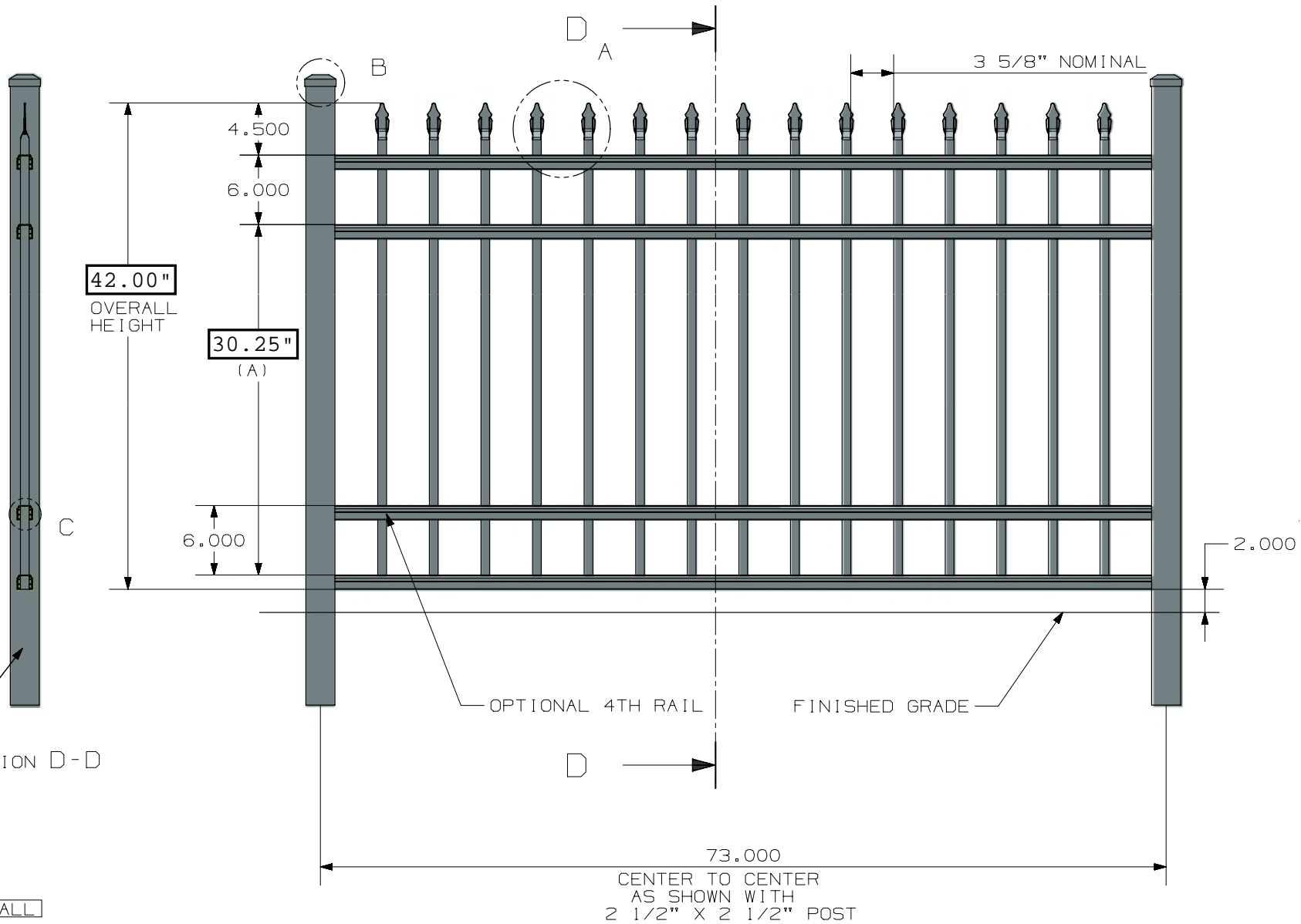


COLOR: TEXTURED BLACK

	ULTRA ALUMINUM MANUFACTURING, INC. 2124 GRAND COMMERCE DR. HOWELL, MI 48855 PHONE (800) 656-4420 FAX (800) 646-7429	
	GATEWAY STUDIOS FENCING 96" TALL	TITLE UAS-100 FLUSH BOTTOM WITH SPEAR COMMERCIAL
SIZE DRG NO. UAS-100 FLUSH BOTTOM COMMERCIAL SPEAR top	SCALE 1:1	SHEET 1 OF 1



- POST OPTIONS
- 2" X 2" X .080" WALL
 - 2" X 2" X .125" WALL
 - 2 1/2" X 2 1/2" X .100" WALL
 - 3" X 3" X .125" WALL



COLOR: TEXTURED BLACK

	ULTRA ALUMINUM MANUFACTURING, INC. 2124 GRAND COMMERCE DR. HOWELL, MI 48855 PHONE (800) 656-4420 FAX (800) 646-7429	
	TITLE UAS-100 FLUSH BOTTOM WITH SPEAR COMMERCIAL	
GATEWAY STUDIOS GUARDRAIL 42" TALL	SIZE DRG NO. UAS-100 FLUSH BOTTOM COMMERCIAL SPEAR top	REV <input checked="" type="checkbox"/>
SCALE 1:1	SHEET 1 OF 1	

LIGHTING CUT SHEETS

FOR

MAIN BUILDING + STUDIO 2

MAIN BUILDING + STUDIO 2 | ARB Submission

GMA JOB NUMBER: SJ2324

DATE: 03.22.2021

REVISED
04.20.2021

CONCERTO UDL W LED

Architectural Outdoor



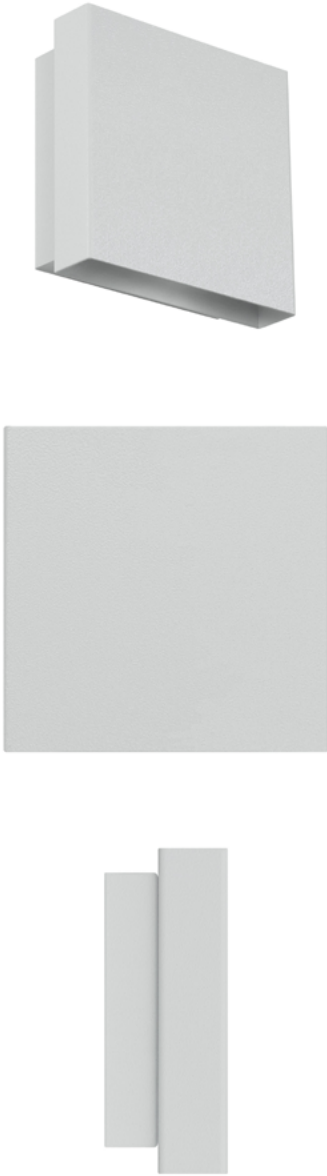
PROJECT:	
TYPE:	
PO#:	QTY:
COMMENTS:	



FEATURES

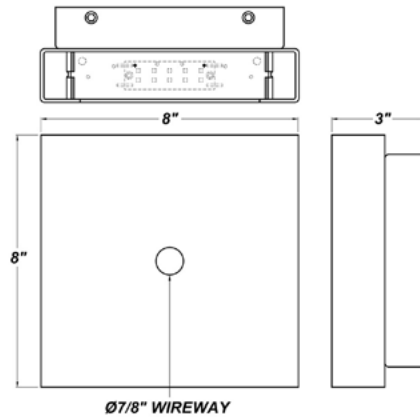
- ADA Compliant
- Aluminum Fixture w/ Textured White Powder Coat Finish
- Aluminum Mounting Plate Mounts to Wall Surface (Centered Over And Attached to J-Box)
- CSA Listed Wet Location For Wall Mount
- Dimmable @ 120/277V
- Direct Up / Down Lighting
- LED Light Fixture
- LEDs Are Shielded And Not Exposed
- Standard IP66 Rated Driver
- Surge Protector
- Wet Location LED Modules
- 0-10V Dimmable

MAIN BUILDING AND STUDIO 2
TYPICAL LIGHTING ABOVE MAN
DOOR
+
TYPICAL ACCENT LIGHTING
AROUND BUILDING

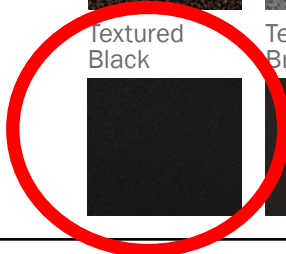
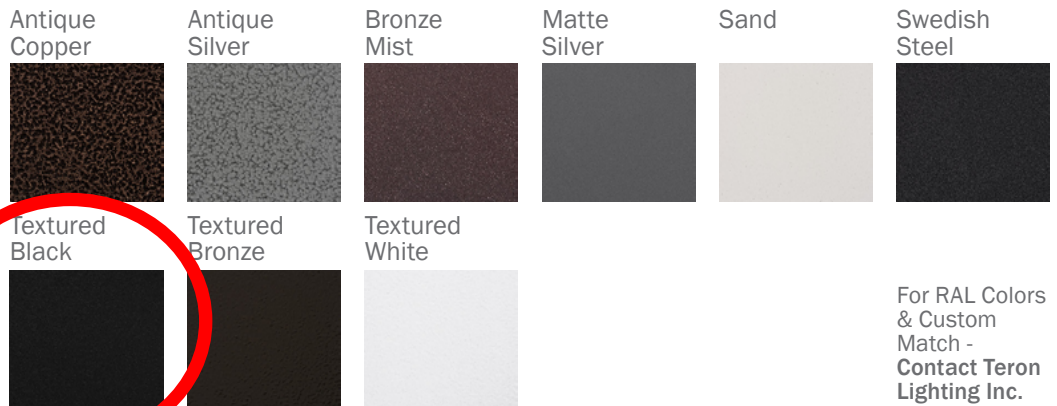


LINE DRAWING

LINE DRAWING NOT TO SCALE



FINISHES



For RAL Colors & Custom Match - Contact Teron Lighting Inc.

CONCERTO UDL W LED

Architectural Outdoor



Fixture Core

PROJECT:	
TYPE:	
PO#:	QTY:
COMMENTS:	

PRODUCT CODE	SOURCE/WATTAGE	VOLTAGE	DIMMING DRIVER
CTO W - Concerto Wet Location	L21.6-ZE600 - 2x10.8W @ 600mA 0-10V Dimming Driver	120V 277V (50 / 60Hz)	(0-10V Dimmable)
ORDER INFO			
CTO W Example ^	L21.6-ZE600	120V	See Source/Wattage

Aesthetics & Options

TRIM	FINISH	COLOR TEMP	OPTIONS
UDL-Up Down Light	AC - Antique Copper AS - Antique Silver BT - Bronze Mist SM - Matte Silver SN - Sand SW - Swedish Steel TB - Textured Black BZ - Textured Bronze TW - Textured White (Standard)	35K - 3500K Color Temp 40K - 4000K Color Temp 50K - 5000K Color Temp	Not Applicable
ORDER INFO			
UDL Example ^	AC	35K	Not Applicable

PROD	SOURCE	35K SPECS				
CTO W UDL	L21.6	<ul style="list-style-type: none"> • 35K - 3500K Color Temp • 1260 Source Lumens • 116.6 Source Lumens Per Watt on The Bottom • 116.6 Source Lumens Per Watt on The Top 				

REPLACEMENT PART	PART NO	NOTES
		Darker Finishes May Reduce The LED Output. Textured White And Matte Silver Are Recommended for Maximum Light Output. Don't see the configuration you are looking for? Call us today at (513) 858-6004



TERONLIGHTING.COM
 33 DONALD DR, FAIRFIELD, OH 45014
 P: 513.858.6004 F: 513.858.6038
 E: SALES@TERONLIGHT.COM



We reserve the right to revise the design components of any product due to parts availability or change in UL standards, without assuming any obligation or liability to modify any products previously manufactured, and without notice.

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RLS420 LED

Surface Mounted Wall Luminaires

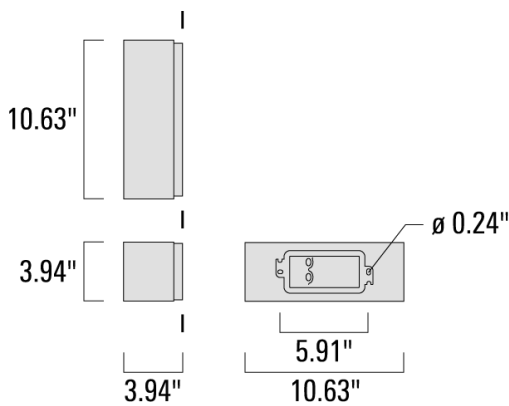
1/5

we-ef

MAIN BUILDING AND STUDIO 2

ACCENT LIGHTING AT PLAZA
BETWEEN STUDIO 2 AND MAIN

B



Description

IP66. IK08. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Safety glass lens. Silicone CCG[®] Controlled Compression Gasket. Luminaire is factory-sealed and does not need to be opened during installation. Optional 2200 K version up to max. 1050mA available. To be specified at time of ordering. Integral EC electronic converter. Advanced thermal management protects LEDs while optimising lumens output. CAD-optimised optics for superior illumination and glare control. OLC[®] One LED Concept. Luminaire can be mounted for up or down lighting. ADA (American Disabilities Act) Compliant.

RLS420 LED





Surface Mounted Wall Luminaires


2/5

we-ef

Specifications

Material Specification

Body:	Marine-grade, die-cast aluminium alloy
Lens:	Safety glass lens
Colours:	 RAL9004 Black  RAL9007 Grey Metallic  RAL9016 White  RAL8019 Dark Bronze

 **Quick Ship** Quickship features a one week ship time for Steplights and two week ship time for the rest of our Core products. All applicable information must be included for orders to be processed and colors must be in one of our 4 standard finishes. A maximum order quantity of 30 pieces applies.

Gasket:	Silicone CCG® Controlled Compression Gasket
Fasteners:	PCS Polymer Coated Stainless Steel Hardware
Ingress protection:	IP66
Impact protection:	IK08
Corrosion protection:	5CE

Electrical Specification

Power supply:	Integral [ECG] electronic driver 120V-277V. 0-10V dimmable, to be specified with order.
Driver / Ballast:	Integral EC electronic converter

Lifetime

Ta=25°/40° L90B10 > 90000h











RLS420 LED

Surface Mounted Wall Luminaires

3/5



Choices

Light Distributions	Nominal Lumen	Nominal Watt	Colour Temperatures	Colours
 rectangular asymmetric Type II [R45]	1398 1476	12 18	 2700 K	 RAL9004 Black
 symmetric, medium beam [M]	2220 2340	26	 3000 K	 RAL9007 Grey Metallic
 symmetric, narrow beam [N]	2700 2839 2993 3453		 4000 K	 RAL9016 White  RAL8019 Dark Bronze

RLS420 LED

Surface Mounted Wall Luminaires

4/5



Configurations

Light Distributions	Part ID	Light Source	Delivered Lumens	Rated Input Power	CRI	Weight	Link
rectangular asymmetric Type II [R45]	620-6500	LED-6/12W / 700 mA - 2700 K	880.9	15	80	5.73	📄 ↗
	620-6501	LED-6/12W / 700 mA - 3000 K	930	15	80	5.73	📄 ↗
	620-6502	LED-6/12W / 700 mA - 4000 K	930	15	80	5.73	📄 ↗
	620-6503	LED-6/18W / 1050 mA - 2700 K	1325.3	21	80	5.73	📄 ↗
	620-6504	LED-6/18W / 1050 mA - 3000 K	1397	21	80	5.73	📄 ↗
	620-6505	LED-6/18W / 1050 mA - 4000 K	1611.9	21	80	5.73	📄 ↗
	620-6506	LED-6/26W / 1400 mA - 2700 K	1694.9	30	80	5.73	📄 ↗
	620-6507	LED-6/26W / 1400 mA - 3000 K	1786.8	30	80	5.73	📄 ↗
	620-6508	LED-6/26W / 1400 mA - 4000 K	2061.4	30	80	5.73	📄 ↗
symmetric, medium beam [M]	620-6509	LED-6/12W / 700 mA - 2700 K	1122.5	15	80	5.73	📄 ↗
	620-6510	LED-6/12W / 700 mA - 3000 K	1185.1	15	80	5.73	📄 ↗
	620-6511	LED-6/12W / 700 mA - 4000 K	1185.1	15	80	5.73	📄 ↗
	620-6512	LED-6/18W / 1050 mA - 2700 K	1755.1	21	80	5.73	📄 ↗
	620-6513	LED-6/18W / 1050 mA - 3000 K	1850	21	80	5.73	📄 ↗
	620-6514	LED-6/18W / 1050 mA - 4000 K	2134.6	21	80	5.73	📄 ↗
	620-6515	LED-6/26W / 1400 mA - 2700 K	2244.5	30	80	5.73	📄 ↗
	620-6516	LED-6/26W / 1400 mA - 3000 K	2366.2	30	80	5.73	📄 ↗
	620-6517	LED-6/26W / 1400 mA - 4000 K	2729.9	30	80	5.73	📄 ↗
symmetric, narrow beam [N]	620-6518	LED-6/12W / 700 mA - 2700 K	1055.6	15	80	5.73	📄 ↗
	620-6519	LED-6/12W / 700 mA - 3000 K	1114.5	15	80	5.73	📄 ↗
	620-6520	LED-6/12W / 700 mA - 4000 K	1114.5	15	80	5.73	📄 ↗
	620-6521	LED-6/18W / 1050 mA - 2700 K	1779.8	21	80	5.73	📄 ↗
	620-6522	LED-6/18W / 1050 mA - 3000 K	1876.1	21	80	5.73	📄 ↗
	620-6523	LED-6/18W / 1050 mA - 4000 K	2164.7	21	80	5.73	📄 ↗
	620-6524	LED-6/26W / 1400 mA - 2700 K	2276.1	30	80	5.73	📄 ↗
	620-6525	LED-6/26W / 1400 mA - 3000 K	2399.6	30	80	5.73	📄 ↗
	620-6526	LED-6/26W / 1400 mA - 4000 K	2768.4	30	80	5.73	📄 ↗

Related Families / RLS400

Family	Dimensions	Wattage	Nominal Lumen	Links	
				Links	Download Data Sheet
RLS410 LED	7.09 x 3.94	6 -13 W	699 -1727	📄 ↗	📄 ↓
RLS420 LED	10.63 x 3.94	12 -26 W	1398 -3453	📄 ↗	📄 ↓

RLS420 LED

Surface Mounted Wall Luminaires

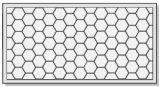
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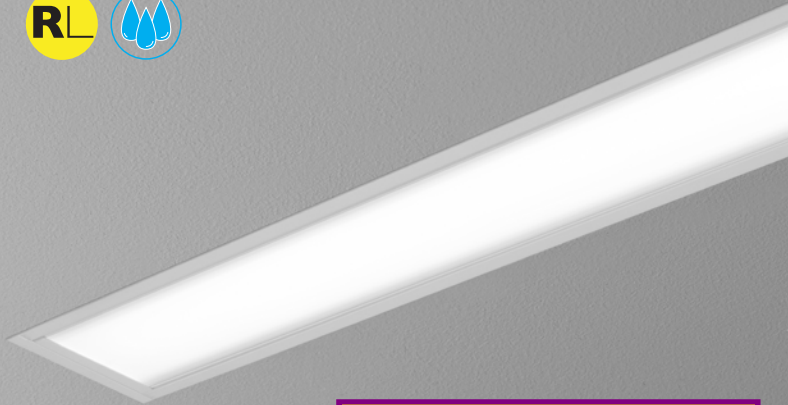
Optical Accessories

Honeycomb louvre

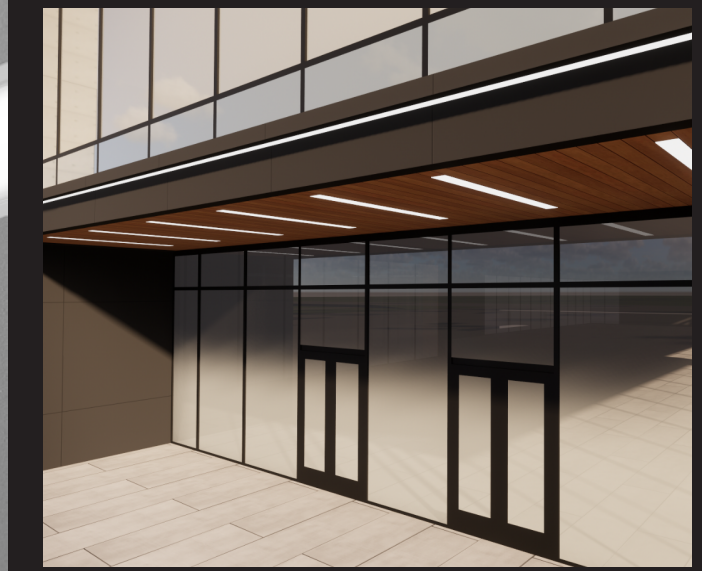
620-8575 Honeycomb louvre IW



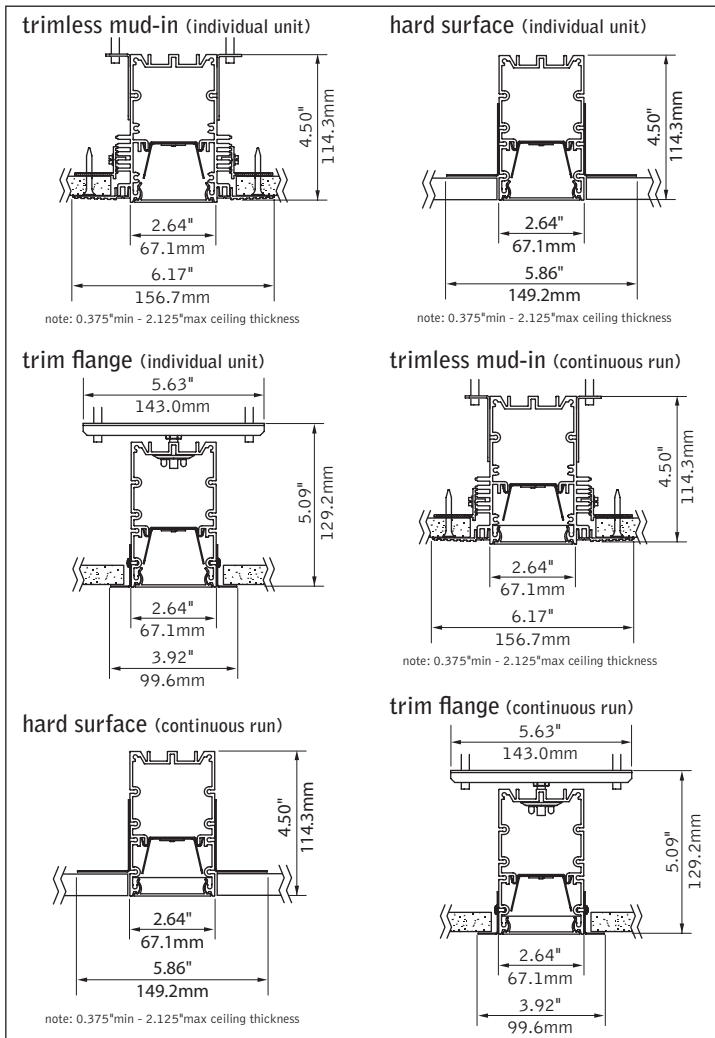
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C-1 AND C-2



DIMENSIONAL DATA



FEATURES

Narrow extruded aluminum 2.5" aperture recessed slot LED suitable for wet location.

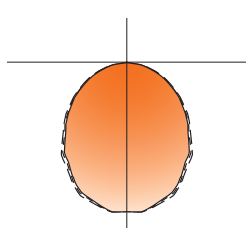
Integrates with ceiling for a clean, unobtrusive aesthetic.

Individual units and continuous runs in 1' increments.

Frosted acrylic lens provides uninterrupted illumination, without pixels or shadows.

LED position and lens material optimized to provide the perfect blend of high performance and visual comfort.

PERFORMANCE



PRODUCT OVERVIEW

Lumen Output:	500-2500lm
Wattage:	5-33W
LPW:	76-96
SDCM:	3

4' Flush Lens
Nominal output:
250 Lumens per foot
Delivered Lumens: 1000lm
Total System Watts: 13W

Photometric performance is measured in accordance with IESNA LM-79.
Visit focalpointlights.com for complete photometric data.

fixture:

project:

SPECIFICATIONS

LED System

Proprietary linear LED module incorporates premium LEDs on a robust platform to achieve excellent thermal management. LEDs are placed to promote a uniform appearance. Available in 3000K, 3500K, 4000K with CRI>80, 3SDCM. LED modules and drivers are replaceable from below.

Construction

One piece extruded aluminum housing. 20 Ga. steel end caps. Housing for new construction applications. 2' unit weight: 5.1 lbs., 3' unit weight: 7.6 lbs., 4' unit weight: 10.1 lbs., 5' unit weight: 12.6 lbs.

Optic

Reflectors fabricated of 22 Ga. steel finished in High Reflectance White powder coat. Extruded acrylic lens .07" thick with satin finish, up to 8' continuous. .020" thick acrylic lens water shield included for continuous runs.

Electrical

Luminaires are pre-wired with factory installed branch circuit wiring and over-molded quick connects. Standard 120-277V constant current driver includes 0-10V analog dimming. Power factor > .9.

Emergency Battery

Output - 10 watts for 90 minutes. Maximum mounting height: 17.9ft.

Labels

UL and cUL Listed for wet location recessed ceiling applications in indoor and outdoor environments. Lutron Drivers not recommended for outdoor environments below 0°C.

Finish

Polyester powder coat applied over a multi-stage pre-treatment.

Lumen Maintenance

Reported: L70 at >61,000 hours Calculated: L70 at 270,000 hours
 L90 at >61,000 hours L90 at 73,000 hours

Derived from EPA TM-21 calculator. Based on typical conditions, consult factory for additional data.

Reliability

At Focal Point, our products are designed to stand the test of time. Each luminaire is engineered using superior components, manufactured with the utmost care and rigorously tested. Contact us for reliability data.

Warranty

LED system rated for operation in ambient environments up to 35°C. 5-year limited warranty.

4' PERFORMANCE CHART

Shielding	Lumens per Foot	Delivered Lumens	Tested System Watts	LPW
Flush Lens	125LF	500	5	96
	250LF	1000	13	80
	375LF	1500	19	79
	625LF	2500	33	76

Based on 3500K, 4' lengths. Lumen multiplier: Continuous runs = 0.93 Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

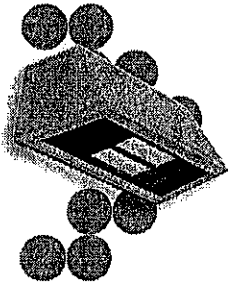
ORDERING

Luminaire Series		FSM2LWL
Seem 2 LED Wet Location	FSM2LWL	
Shielding		FL
Flush Satin Lens	FL	
<small>(Ceiling applications only)</small>		
Lumen Output		
125 Lumens per foot	125LF	
<small>(4' minimum.)</small>		
250 Lumens per foot	250LF	
375 Lumens per foot	375LF	
625 Lumens per foot	625LF	
Color Temperature		
3000K	30K	
3500K	35K	
4000K	40K	
Circuit		1C
Single Circuit	1C	
Voltage		UNV
UNV 120/277 Volt	UNV	
Control System & Dimming Level		
0-10V - 1% Dimming	L11	
0-10V - 10% Dimming	LD1	
Lutron H-Series - 1% Dimming	LH1	
Lutron 5-Series - 5% EcoSystem Digital	LU5	
Ceiling Configuration		
Trim Flange Drywall	TF	
Mud-in Trimless, pre-set for 1/2" Drywall	XF1	
Mud-in Trimless, pre-set for 5/8" Drywall	XF2	
Mud-in Trimless, set thickness in field	XFF	
<small>(Mounting equipment assembled in field)</small>		
Non-Drywall Hard Surface	XFN	
Factory Options		
Chicago Plenum	CP	
Emergency Circuit	EC	
Emergency Battery Pack	EM	
<small>(4' lengths or longer)</small>		
6' New York City Flex Whip	FNY	
6' Flex Whip	FW	
Finish		WH
Matte White Housing	WH	
Luminaire Length		ft
Specify luminaire/row length in 1' increments	_ft	
<small>(2' minimum, lengths are nominal. Housing length is 1" shorter than specified.)</small>		

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WST LED

Architectural Wall Sconce



MAIN BUILDING AND STUDIO 2
LIGHT FOR DOCK DOORS,
TYP.

Catalog Number	WST LED 2 10A700/40K SR4 120 PE DWHXD
Notes	Fabco - New Equipment Building
Type	D

Hit the 'Tab' key or mouse over the page to view interactive elements.

Specifications Luminaire

Height: 7-1/4"
(18.4 cm)

Width: 16-1/4"
(41.3 cm)

Depth: 9-1/8"
(23.2 cm)

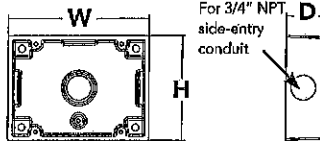
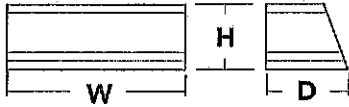
Weight: 17 lbs
(7.7 kg)

Optional Back Box (BBW)

Height: 4"
(10.2 cm)

Width: 5-1/2"
(14.0 cm)

Depth: 1-1/2"
(3.8 cm)



Introduction

The classic Architectural Wall Sconce is now available with the latest in LED technology. The result is a long-life, maintenance-free product with typical energy savings of 75% compared to metal halide versions. The integral battery backup option provides emergency egress lighting, without the use of a back-box or remote gear, so installations maintain their aesthetic integrity.

The WST LED is ideal for replacing existing 50 – 175W metal halide wall-mounted products. The expected service life is 20+ years of nighttime use.

Ordering Information

EXAMPLE: WST LED 2 10A700/40K SR3 MVOLT DDBTXD

Series	Light Engines	Performance Package	Distribution	Voltage	Mounting	Options	Finish (required)
WST LED	1 One engine (10 LEDs) 2 Two engines (20 LEDs)	700 mA options: 10A700/40K 4000K	SR2 Type II SR3 Type III SR4 Type IV	MVOLT ¹ 120 ¹ 208 ¹ 240 ¹ 277 ¹ 347 480	Shipped included (blank) Surface mount Shipped separately ² BBW Surface-mounted back box	Shipped installed PE Photoelectric cell, button type ^{3,4,5} SF Single fuse (120, 277, 347V) ^{3,4} DF Double fuse (208, 240, 480V) ^{3,4} DMG 0-10V dimming driver (no controls) ELCW Emergency battery backup ^{2,6} WLU Wet location door for up orientation Shipped separately VG Vandal guard ¹ WG Wire guard ¹	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone

VERIFY FINISH

Emergency Battery Operation

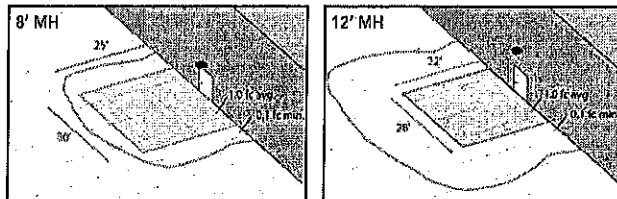
The emergency battery backup (ELCW option) is integral to the luminaire - no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product.

All ELCW configurations include an independent secondary driver with an integral relay to immediately detect A/C power loss. Dual light engines are wired in parallel so both engines operate in emergency mode and provide additional component redundancy. These design features meet various interpretations of NFPA 70/NEC 2008 - 700.16

The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time supply power is lost, per International Building Code Section 1006 and NFPA 101 Life Safety Code Section 7.9, provided luminaires are mounted at an appropriate height and illuminate an open space with no major obstructions.

The examples at right show illuminance of 1 fc average and 0.1 fc minimum of the single-engine Type IV product in emergency mode.

WST LED 1 10A700/40K SR4 MVOLT ELCW
10' x 10' Gridlines
8' and 12' Mounting Height



NOTES

- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with photocell (PE option) or fusing (SF, DF options).
- For side-entry conduit applications. May also be ordered separately as an accessory. Ex: WSBWW DDBXD U.
- Must be ordered with fixture; cannot be field installed.
- Not available with MVOLT option. Button photocell (PE) can be ordered with a dedicated voltage option. Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- Not available with 480V option.
- Integral battery pack is rated for -20° to 60°C operating temperature. ELCW warranty is 3 year period. Not available with 347V or 480V.



Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application.

Light Engines	Drive Current (mA)	Performance Package	System Watts (AVOLT)	Dist. Type	40K (4000K, 70 CRI)				
					Nominal Lumens	U	V	G	LPW
1 (10 LEDs)	700	10A700/-K	24W	SR2	2005	1	0	1	84
				SR3	2029	1	0	1	84
				SR4	1959	1	0	1	82
2 (20 LEDs)	700	10A700/-K	47W	SR2	3944	1	0	1	84
				SR3	4028	1	0	1	86
				SR4	3851	1	0	1	82

1 See electrical load chart for 347/480V system watts.

Lumen Ambient Temperature (LAT) Multipliers

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

Ambient	Lumen Multiplier	
0°C	32°F	1.10
10°C	50°F	1.06
20°C	68°F	1.02
25°C	77°F	1.00
30°C	86°F	0.98
40°C	104°F	0.92

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the WST LED 2 10A700 platform in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LMF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.94	0.88	0.77

Electrical Load

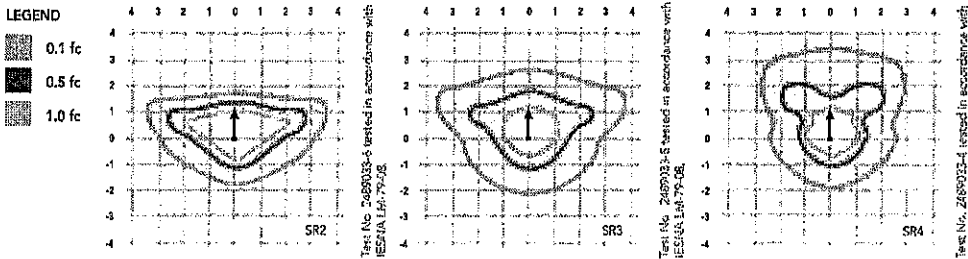
Light Engines	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
1	700	24W	0.24	0.14	0.12	0.1	-	-
		29W1	-	-	-	-	0.09	0.07
2	700	47W	0.44	0.27	0.23	0.20	-	-
		53W1	-	-	-	-	0.17	0.12

1 Higher wattage is due to electrical losses from step-down transformer.

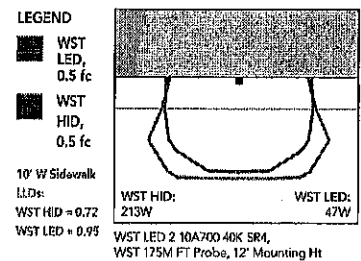
Photometric Diagrams

To see complete photometric reports or download .les files for this product, visit Lithonia Lighting's WST LED homepage.

Footcandle plots for the WST LED 2 10A700/40K SR2, SR3, and SR4. Distances are in units of mounting height (12').



Distribution overlay comparison to 175W metal halide.



FEATURES & SPECIFICATIONS

INTENDED USE

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

CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP65 rating for the luminaire.

FINISH

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

OPTICS

Precision-molded acrylic lenses are engineered for superior distribution, uniformity, and spacing in wall-mount applications. Light engines are 4000K (70 CRI). The WST LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) consist of 10 high-efficacy LEDs mounted to a metal core circuit board and integral aluminum heat sinks to maximize heat dissipation and promote long life (100,000 hrs at 25°C, L77). Class 2 electronic driver has a power factor >90%, THD <20%. Easily-serviceable surge protection device meets a minimum Category B (per ANSI/IEEE C62.41.2).

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The integral bubble level on the mounting plate provides assistance for level placement on every installation.

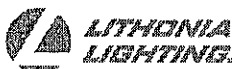
LISTINGS

CSA certified to U.S. and Canadian standards. Light engines are IP65 rated; luminaire is IP65 rated and suitable for wet locations when mounted with the lenses down. WLU option (coming soon) offers wet location listing in "up" orientation. Rated for -30°C minimum ambient.

WARRANTY

Five year limited warranty. Full warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Specifications subject to change without notice.



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Project		Catalog #		Type	E
Prepared by		Notes		Date	



McGraw-Edison

GWC Galleon Wall

Wall Mount Luminaire

Typical Applications

Exterior Wall • Walkway

MAIN BUILDING AND STUDIO 2

LIGHT ABOVE EXTERIOR DRIVE IN DOORS, TYP.

Interactive Menu

- Ordering Information [page 2](#)
- Product Specifications [page 2](#)
- Optical Configurations [page 3](#)
- Energy and Performance Data [page 4](#)
- Control Options [page 6](#)

Product Certifications



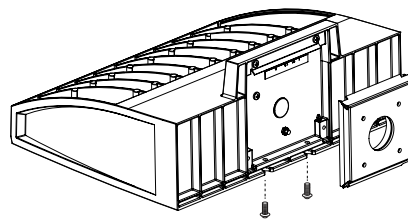
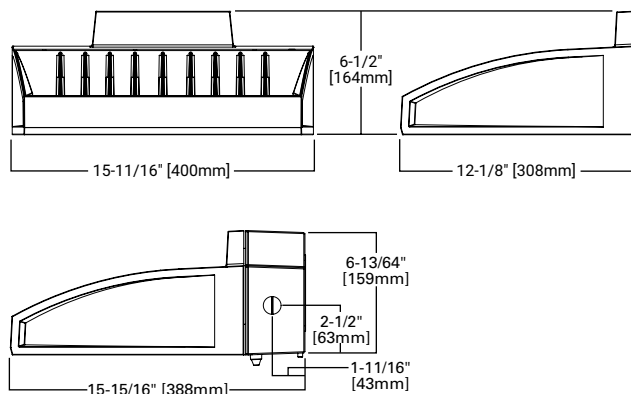
Quick Facts

- Choice of thirteen high-efficiency, patented AccuLED Optics™
- Downward and inverted wall mounting configurations
- Eight lumen packages from 3,215 up to 17,056
- Efficacies up to 154 lumens per watt

Connected Systems

- WaveLinx
- Enlighted

Dimensional Details



Ordering Information

SAMPLE NUMBER: GWC-SA2C-740-U-T4FT-GM

Product Family ¹	Light Engine		Color Temperature	Voltage	Distribution	Finish
	Configuration	Drive Current				
GWC=Galleon Wall	SA1=1 Square SA2=2 Squares ²	A=615mA B=800mA C=1000mA D=1200mA ⁴	722=70CRI, 2200K 727=70CRI, 2700K 730=70CRI, 3000K 735=70CRI, 3500K 740=70CRI, 4000K 750=70CRI, 5000K 760=70CRI, 6000K 827=80CRI, 2700K 830=80CRI, 3000K AMB=Amber, 590nm ^{3,4}	U=120-277V 1=120V 2=208V 3=240V 4=277V 8=480V ^{6,7} 9=347V ⁶	T2=Type II T3=Type III T4FT=Type IV Forward Throw T4W=Type IV Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I 5NQ=Type V Square Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White
Options (Add as Suffix)		Controls and Systems Options (Add as Suffix)		Accessories (Order Separately)		
F=Single Fused (120, 277 or 347V. Must Specify Voltage) FF=Double Fused (208, 240 or 480V. Must Specify Voltage) 10K=10kV Surge Module 20K=20kV UL 1449 Fused Surge Protective Device DIM=External 0-10V Dimming Leads ^{9,10} CBP=Battery Pack with Back Box, Cold Weather Rated ^{2,4,14,33} CBP-CEC=Battery Pack with Back Box, Cold Weather Rated, CEC compliant ^{2,4,14} L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right HSS=Factory Installed House Side Shield ²³ GRSBK=Factory Installed Glare Shield, BK ^{4,27} GRSWH=Factory Installed Glare Shield, WH ^{4,27} UPL=Uplight Housing ¹³ HA=50°C High Ambient ¹² LCF=Light Square Trim Plate Painted to Match Housing ²² MT=Factory Installed Mesh Top CC=Coastal Construction finish ⁵ CE=CE Marking and Small Terminal Block ²⁴ AHD145=After Hours Dim, 5 Hours ¹⁶ AHD245=After Hours Dim, 6 Hours ¹⁶ AHD255=After Hours Dim, 7 Hours ¹⁶ AHD355=After Hours Dim, 8 Hours ¹⁶ DALI=DALI Driver ¹¹		BPC=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage) PR=NEMA 3-PIN Twistlock Photocontrol Receptacle PR7=NEMA 7-PIN Twistlock Photocontrol Receptacle ¹⁵ MS-LXX=Motion Sensor for On/Off Operation ^{17,18,19} MS/DIM-LXX=Motion Sensor for Dimming Operation ^{17,18,19} ZW=WaveLinX-enabled 4-PIN Twistlock Receptacle ^{29,30} ZD=WaveLinX Module with DALI driver and 4-PIN Receptacle ^{29,30} SWPD4XX=WaveLinX Sensor Only, 7'-15' ^{31,32} SWPD5XX=WaveLinX Sensor Only, 15'-40' ^{31,32} WOBXX=WaveLinX Sensor with Bluetooth, 7'-15' ^{31,32} WOFXX=WaveLinX Sensor with Bluetooth, 15'-40' ^{31,32} LWR-LW=Enlightened Wireless Sensor, Wide Lens for 8'-16' Mounting Height ^{19,20,21} LWR-LN=Enlightened Wireless Sensor, Narrow Lens for 16'-40' Mounting Height ^{19,20,21}		OA/RA1013=Photocontrol Shorting Cap ²⁸ OA/RA1016=NEMA Photocontrol - Multi-Tap 105-285V ²⁸ OA/RA1201=NEMA Photocontrol - 347V ²⁸ OA/RA1027=NEMA Photocontrol - 480V ²⁸ MA1252=10kV Circuit Module Replacement MA1059XX=Thru-branch Back Box (Must Specify Color) LS/HSS=Field Installed House Side Shield ^{23,25} LS/GRSBK=Glare Shield, Black ^{8,25,27} LS/GRSWH=Glare Shield, White ^{8,25,27} LS/PFS=Perimeter Shield, Black FSIR-100=Wireless Configuration Tool for Occupancy Sensor ¹⁷ WOLC-7P-10A=WaveLinX Outdoor Control Module (7-pin) ^{26,29} SWPD4-XX=WaveLinX Wireless Sensor, 7' - 15' Mounting Height ^{29,30,31,32} SWPD5-XX=WaveLinX Wireless Sensor, 15' - 40' Mounting Height ^{29,30,31,32}		
NOTES: 1. DesignLight Consortium® Qualified. Refer to www.designlights.org, Qualified Products List under Family Models for details. 2. Two light squares with CBP options limited to 25°C. Not available in combination with sensor options at 1200mA. 3. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose drive current A; supplied at 500mA drive current only. Available with 5WQ, 5MQ, SL2, SL3 and SL4 distributions. Can be used with HSS option. 4. Not available with HA option. 5. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. 6. Require the use of a step down transformer. Not available in combination with sensor options at 1200mA. 7. 480V must use Wye system only. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). 8. Reserved. 9. Cannot be used with other control options. 10. Low voltage control leads extended 18" from fixture. 11. Not available in 1200mA. When used with CBP or HA options, only available with single light square. 12. Not available in 1200mA, UPL or CBP options. Available with single light square. 13. Not available with SL2, SL3, SL4, HA, CBP, PR or PR7 options. 14. Operates a single light square only. Operates at -20°C to +40°C. Backbox is non-IP rated. Control option limited to BPC. 15. Compatible with standard 3-PIN photocontrols, 5-PIN or 7-PIN ANSI controls. 16. Requires the use of BPC photocontrol or the PR7 or PR photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information. 17. The FSIR-100 configuration tool is required to adjust parameters such as high and low modes, sensitivity, time delay and cutoff. Consult your lighting representative at Cooper Lighting Solutions for more information. 18. Replace LXX with L08 (<8' mounting), L20 (8'-20' mounting) or L40W (21'-40' mounting). 19. Includes integral photosensor. 20. Enlighted wireless sensors are factory installed requiring network components in appropriate quantities. 21. Bronze sensor is shipped with Bronze fixtures. White sensor shipped on all other housing color options. 22. Not available with HSS or GRS options. 23. Not for use with 5NQ, 5MQ, 5WQ or RW optics. The light square trim plate is painted black when the HSS option is selected. 24. CE is not available with the 1200, DALI, LWR, MS, MS/DIM, BPC, PR or PR7 options. Available in 120-277V only. 25. One required for each light square. 26. Requires PR7. 27. Not for use with T4FT, T4W or SL4 optics. 29. Cannot be used in conjunction with additional photocontrol or other controls systems (BPC, PR, PR7, MS, LWR). 30. WAC Gateway required to enable field-configurability: Order WAC-PoE and WPOE-120 (10V to PoE injector) power supply if needed. 31. Requires ZW or ZD receptacle. 32. Replace XX with sensor color (WH, BZ, or BK). 33. Specify 120V or 277V.						

Product Specifications

Construction

- Driver enclosure thermally isolated from optics for optimal thermal performance
- Die-cast aluminum heat sinks
- IP66 rated housing
- 1.5G vibration rated

Optics

- Patented, high-efficiency injection-molded AccuLED Optics technology
- 13 optical distributions
- IDA Certified (3000K CCT and warmer only)

Electrical

- LED driver assembly mounted for ease of maintenance
- Standard with 0-10V dimming
- Optional 10kV or 20kV surge module
- Suitable for operation in -40C to 40C ambient environments. Optional 50C high ambient (HA) configuration.

Mounting

- Gasketed and zinc plated rigid steel mounting attachment
- "Hook-N-Lock" mechanism for easy installation

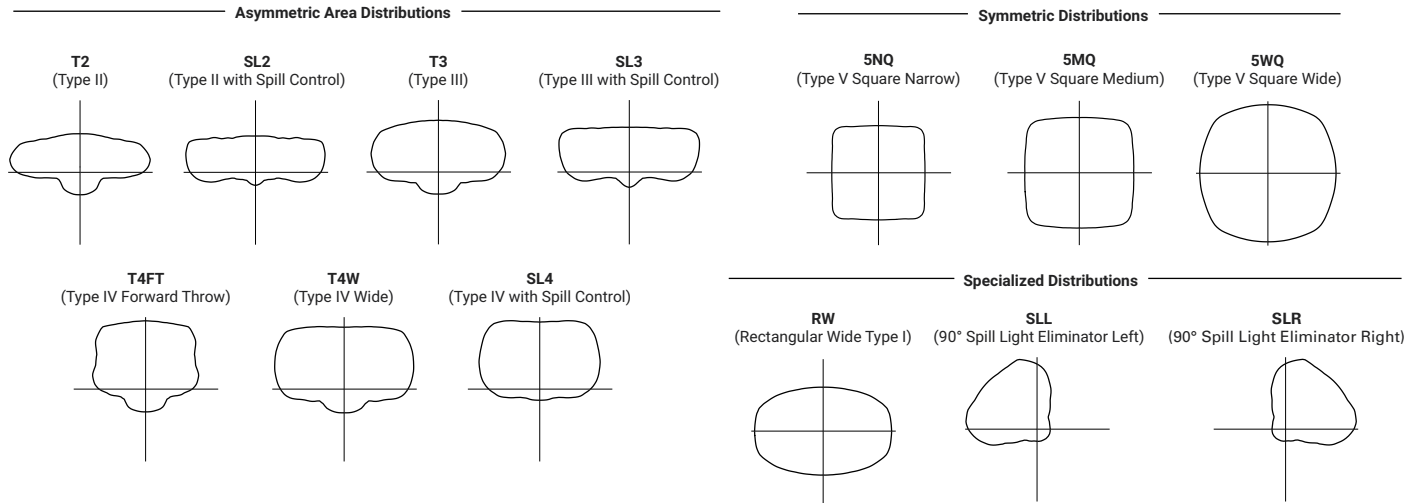
Finish

- Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness
- Heat sink is powder coated black
- RAL and custom color matches available
- Coastal Construction (CC) option available

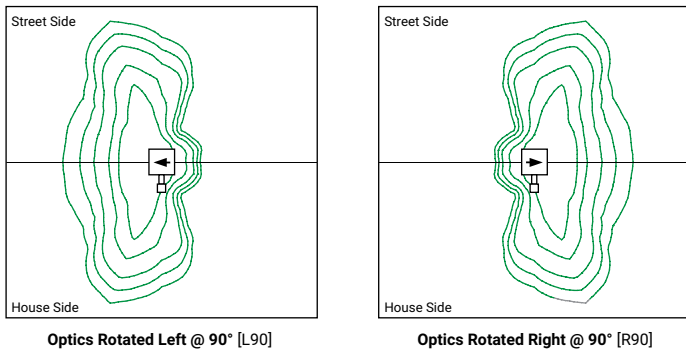
Warranty

- Five-year warranty

Optical Distributions



Optic Orientation



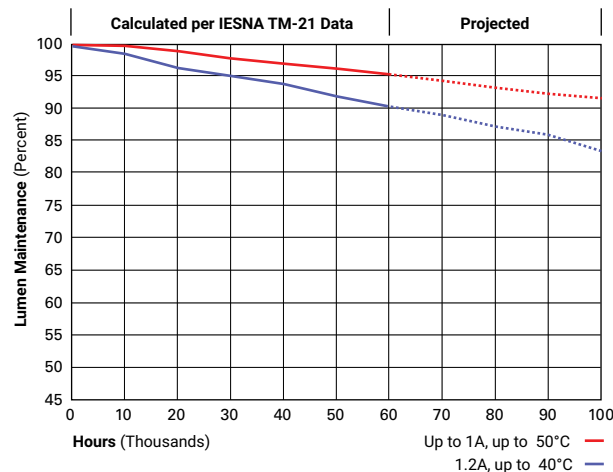
Energy and Performance Data

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

Lumen Maintenance

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	> 416,000
1.2A	Up to 40°C	> 90%	> 205,000



Energy and Performance Data

 View GWC Galleon Wall IES files

4000K/5000K/6000K CCT, 70 CRI

Number of Light Squares		1				2			
Drive Current		615mA	800mA	1050mA	1.2A	615mA	800mA	1050mA	1.2A
Nominal Power (Watts)		34	44	59	67	66	86	113	129
Input Current @ 120V (A)		0.30	0.39	0.51	0.58	0.58	0.77	1.02	1.16
Input Current @ 208V (A)		0.17	0.22	0.29	0.33	0.34	0.44	0.56	0.63
Input Current @ 240V (A)		0.15	0.19	0.26	0.29	0.30	0.38	0.48	0.55
Input Current @ 277V (A)		0.14	0.17	0.23	0.25	0.28	0.36	0.42	0.48
Input Current @ 347V (A)		0.11	0.15	0.17	0.20	0.19	0.24	0.32	0.39
Input Current @ 480V (A)		0.08	0.11	0.14	0.15	0.15	0.18	0.24	0.30
Optics									
T2	Lumens	4,883	5,989	7,412	8,131	9,543	11,703	14,485	15,891
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
	Lumens per Watt	144	136	126	121	145	136	128	123
T3	Lumens	4,978	6,105	7,556	8,288	9,729	11,929	14,764	16,196
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3
	Lumens per Watt	146	139	128	124	147	139	131	126
T4FT	Lumens	5,008	6,140	7,599	8,337	9,783	11,998	14,850	16,290
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens per Watt	147	140	129	124	148	140	131	126
T4W	Lumens	4,942	6,060	7,502	8,229	9,658	11,843	14,658	16,080
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3
	Lumens per Watt	145	138	127	123	146	138	130	125
SL2	Lumens	4,874	5,979	7,399	8,117	9,528	11,684	14,461	15,863
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G3
	Lumens per Watt	143	136	125	121	144	136	128	123
SL3	Lumens	4,976	6,104	7,555	8,287	9,727	11,927	14,763	16,194
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens per Watt	146	139	128	124	147	139	131	126
SL4	Lumens	4,729	5,799	7,178	7,873	9,239	11,333	14,025	15,387
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4
	Lumens per Watt	139	132	122	118	140	132	124	119
5NQ	Lumens	5,134	6,296	7,793	8,547	10,033	12,303	15,226	16,704
	BUG Rating	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2
	Lumens per Watt	151	143	132	128	152	143	135	129
5MQ	Lumens	5,228	6,412	7,935	8,705	10,216	12,529	15,508	17,011
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
	Lumens per Watt	154	146	134	130	155	146	137	132
5WQ	Lumens	5,242	6,428	7,956	8,728	10,244	12,563	15,548	17,056
	BUG Rating	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
	Lumens per Watt	154	146	135	130	155	146	138	132
SLL/SLR	Lumens	4,373	5,365	6,640	7,283	8,547	10,481	12,973	14,231
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens per Watt	129	122	113	109	130	122	115	110
RW	Lumens	5,087	6,238	7,721	8,472	9,941	12,190	15,088	16,553
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2
	Lumens per Watt	150	142	131	126	151	142	134	128

* Nominal lumen data for 70 CRI. BUG rating for 4000K/5000K. Refer to IES files for 3000K BUG ratings.

3000K CCT, 80 CRI

Number of Light Squares		1				2			
Drive Current		615mA	800mA	1050mA	1.2A	615mA	800mA	1050mA	1.2A
Nominal Power (Watts)		34	44	59	67	66	86	113	129
Input Current @ 120V (A)		0.30	0.39	0.51	0.58	0.58	0.77	1.02	1.16
Input Current @ 208V (A)		0.17	0.22	0.29	0.33	0.34	0.44	0.56	0.63
Input Current @ 240V (A)		0.15	0.19	0.26	0.29	0.30	0.38	0.48	0.55
Input Current @ 277V (A)		0.14	0.17	0.23	0.25	0.28	0.36	0.42	0.48
Input Current @ 347V (A)		0.11	0.15	0.17	0.20	0.19	0.24	0.32	0.39
Input Current @ 480V (A)		0.08	0.11	0.14	0.15	0.15	0.18	0.24	0.30
Optics									
T2	Lumens	3,880	4,759	5,890	6,461	7,583	9,300	11,510	12,628
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3
	Lumens per Watt	114	108	100	96	115	108	102	98
T3	Lumens	3,956	4,851	6,004	6,586	7,731	9,479	11,732	12,870
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
	Lumens per Watt	116	110	102	98	117	110	104	100
T4FT	Lumens	3,980	4,879	6,038	6,625	7,774	9,534	11,800	12,945
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens per Watt	117	111	102	99	118	111	104	100
T4W	Lumens	3,927	4,816	5,961	6,539	7,675	9,411	11,648	12,778
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3
	Lumens per Watt	116	109	101	98	116	109	103	99
SL2	Lumens	3,873	4,751	5,880	6,450	7,571	9,285	11,491	12,605
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens per Watt	114	108	100	96	115	108	102	98
SL3	Lumens	3,954	4,851	6,004	6,585	7,729	9,478	11,731	12,868
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens per Watt	116	110	102	98	117	110	104	100
SL4	Lumens	3,758	4,608	5,704	6,256	7,342	9,006	11,145	12,227
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G3	B1-U0-G3	B1-U0-G3
	Lumens per Watt	111	105	97	93	111	105	99	95
5NQ	Lumens	4,080	5,003	6,193	6,792	7,973	9,776	12,099	13,274
	BUG Rating	B2-U0-G0	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2
	Lumens per Watt	120	114	105	101	121	114	107	103
5MQ	Lumens	4,154	5,095	6,305	6,917	8,118	9,956	12,323	13,518
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2
	Lumens per Watt	122	116	107	103	123	116	109	105
5WQ	Lumens	4,166	5,108	6,322	6,936	8,140	9,983	12,355	13,553
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
	Lumens per Watt	123	116	107	104	123	116	109	105
SLL/SLR	Lumens	3,475	4,263	5,276	5,787	6,792	8,329	10,309	11,309
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G3	B2-U0-G3
	Lumens per Watt	102	97	89	86	103	97	91	88
RW	Lumens	4,042	4,957	6,135	6,732	7,900	9,687	11,990	13,154
	BUG Rating	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2
	Lumens per Watt	119	113	104	100	120	113	106	102

Control Options

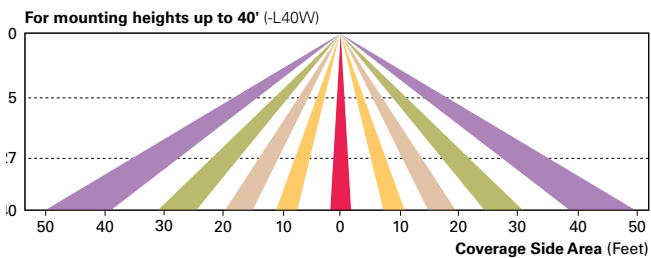
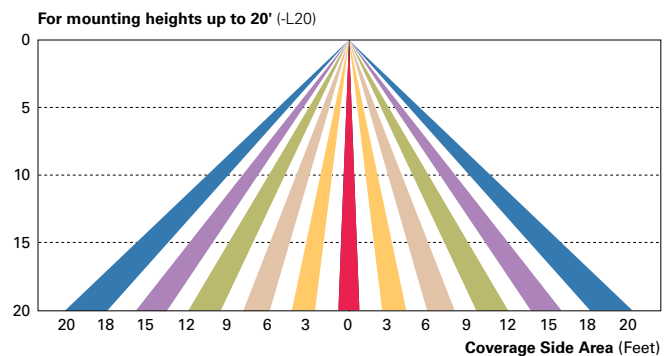
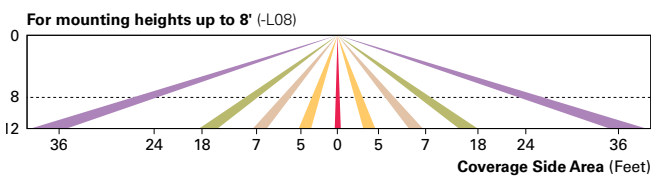
0-10V This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (BPC, PR, and PR7) Optional button-type photocontrol (BPC) and photocontrol receptacles (PR and PR7) provide a flexible solution to enable “dusk-to-dawn” lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PR7 receptacle.

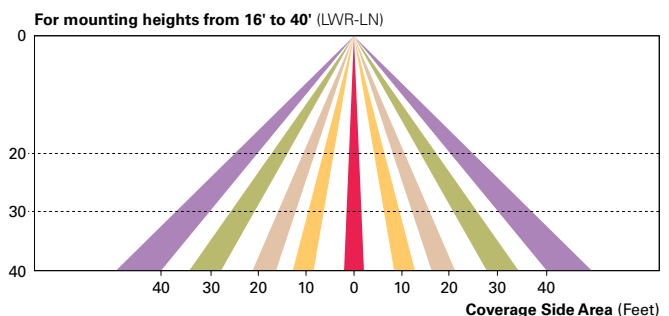
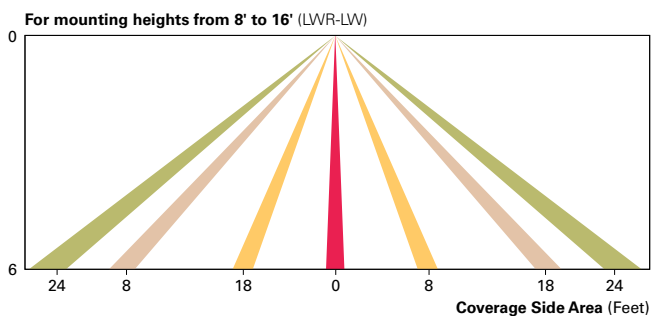
After Hours Dim (AHD) This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a “dusk-to-dawn” period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (MS/DIM-LXX and MS-LXX) These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for “dusk-to-dawn” control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters. A variety of sensor lens are available to optimize the coverage pattern for mounting heights from 8'-40'.



Enlighted Wireless Control and Monitoring System (LWR-LW and LWR-LN) The Enlighted control system is a connected lighting solution, combining LED luminaires with an integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes while collecting valuable data about building performance and use. Software applications utilizing energy dashboards maximize data inputs to help optimize the use of other resources beyond lighting.



WaveLinX Wireless Outdoor Lighting Control Module (WOLC-7P-10A) The 7-pin wireless outdoor lighting control module enables WaveLinX to control outdoor area, site and flood lighting. WaveLinX controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

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 Project: _____
 Type: G Qty: 10



Arca LED Gen5



ACL	Series	ACL Arca LED							
	Optics	R1 Type I	R2 Type II	R3 Type III	R3W Type III (Wide)	R4 Type IV	R5R Type V (Round)	R5S Type V (Square)	R5Q Type V (Rectangular)
	Mounting	S1 Single	S2 Double	SBX ¹ Sistema Mount	W Wall Mount	¹ Max 4 heads (SB4)			
	Light Engine	5G1350 Single LED 24W/2520lm	5G1530 Single LED 36W/3540lm	5G1800 Single LED 54W/5346lm	5G2350 ² Double LED 48W/5040lm	5G2530 ² Double LED 72W/6558lm	5G2800 ² Double LED 100W/9900lm	* Based on R1 distribution and 3000K CCT ² Only available with S1 and S2 mounting	
	CCT	27 ³ 2700K	30 ³ 3000K	40 4000K	* For other CCT please consult factory ³ 2700K and 3000K IDA approved				
	Finish	WH White	BK Black	BL Semi-Matte Black	BZ Bronze	SV Silver	SP Specify Premium Color		
	Voltage	120 120V	240 240V	277 277V	347 ^{4,5} 347V	480 ^{4,5} 480V	⁴ 5G1350, 5G1530, 5G1800, 5G2350 come with step-down transformer in handhole ⁵ S2-5G2350, S2-5G2530, and S2-5G2800 come with stepdown transformer in handhole		
	Options	DM ⁸ Dimming (0-10V)	HS ⁶ House Side Shield	TLR ^{7,8} Twist Lock Receptacle 7-Pin with Shorting Cap	TLRP Twist Lock Photocell (see page 8)	TLRLL ^{7,8} Twist Lock Receptacle 7-Pin with Lutron Limelight Sensor	⁶ Type I, II, III, and IV only ⁷ Not available with DM ⁸ DM, or TLR only. Cannot be combined.		

Product Modifications

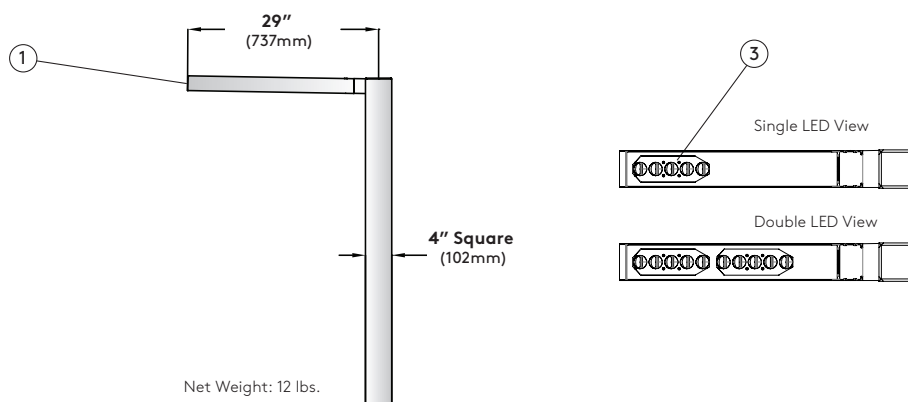
Please list modification requirements for review by factory:

Approvals



Date: _____

ACL-R2-S1



Specifications

1. Luminaire Cover - Two piece high pressure die cast housing, made of low copper aluminum alloy. Toolless latch allows easy access to light engine and gear tray components.

2. Gasketing - (not shown) UV and ozone-resistant, silicone gasket between fixture housing and lens base provide IP65 level ingress protection.

3. LED Array - High Flux LEDs mounted to metal core PCB and attached to external heat sink for maximum LED performance and life. CCT tolerance within a 3-step bin and provided with a minimum CRI of 80. LED array has a reported lumen maintenance of 93% at 50,000 hours. L70 calculated greater than 100,000 hours. Exposed face rated to IP65.

4. LED Optics - Technical Optics (R1, R2, R3,R4, R5S, and R5R) use Selux signature light pattern acrylic lens holder to secure proprietary silicone optics. Internal micro house side shield available for distributions types I, II, III and IV.

5. LED Driver - LEDs are driven by RoHS compliant constant current programmable LED driver. Driver includes 0-10V dimming to 10%, meets the requirements of IP66.

6. Surge Protection - (not shown) Designed to protect luminaire from electrical surge (20kA).

7. Power Cord - (not shown) Pre-installed at factory. Power cords are specified to fit the length of the pole specified with the luminaire.

Exterior Luminaire Finish - Selux utilizes a high quality Polyester Powder Coating. All Selux luminaires and poles are finished in our Tiger Drylac certified facility and undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphated and sealed. Selux powder coated products provide excellent salt and humidity resistance as well as ultraviolet resistance for color retention. All products are tested in accordance with test specifications for coatings from ASTM and PCI. Standard exterior colors are White (WH), Black (BK), Semi-Matte Black (BL) Bronze (BZ), and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide.

5 Year Limited LED Luminaire Warranty - Selux offers a 5 Year Limited Warranty to the original purchaser that the Arca LED luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED array when installed and operated according to Selux instructions. For details, see "Selux Terms and Condition of Sale."

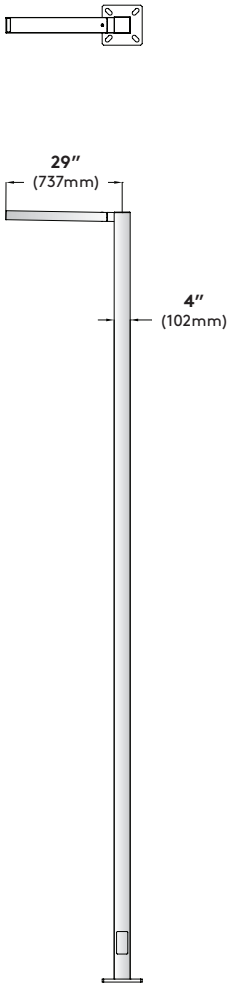
Listings and Ratings: Luminaire and LED tested to IP65 and IESNA LM-79-08 standards. LED tested to LM-80 standards. Luminaire and LED tested at 25°C ambient temperature. ARCA LED suitable for ambient temperatures of 40°C (104°F). Minimum operating temperature of luminaire at -40°C (-40°F). NRTL Listed for wet location (i.e. UL, CSA) Visit selux.us for our LED End of Life recycling policy.

NRTL Listed (i.e. UL, CSA)

For Buy American compliance on poles, please consult the factory.

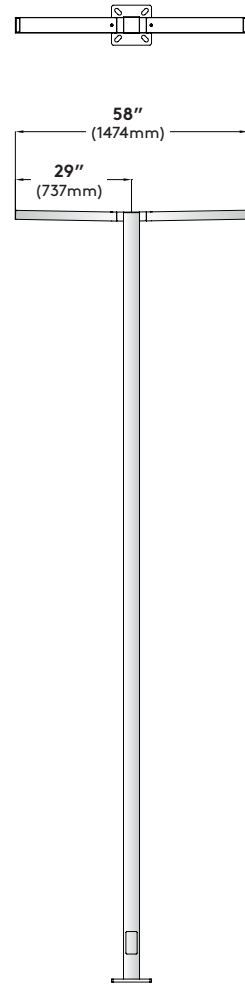
Mounting

Single (S1)
Single pole top mount
(Helicoil Location: 0B)



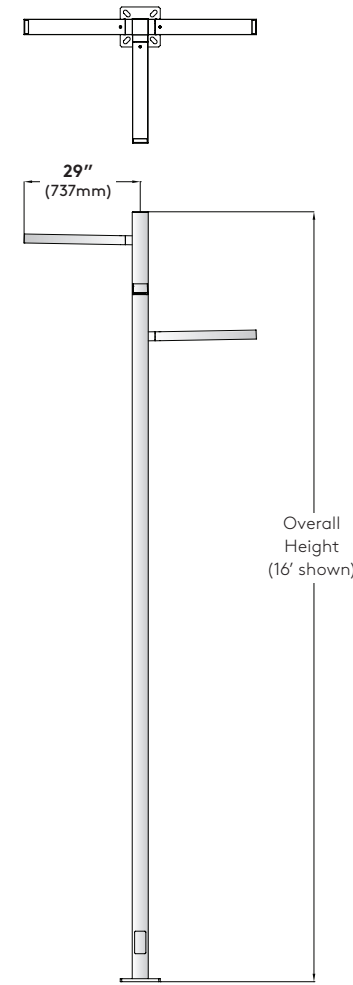
EPA Weight = 12 lbs.
EPA
0.57ft²

Double (S2)
Double pole top mount
(Helicoil Location: 0B-0D)



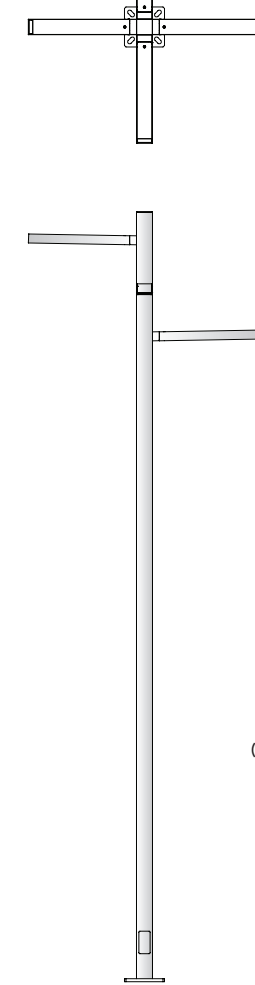
EPA Weight = 24 lbs.
EPA
1.14ft²

Triple (SB3)
Die cast aluminum Sistema lateral
bracket secured in pole side.
(Helicoil Location: 1B-2A-3D)



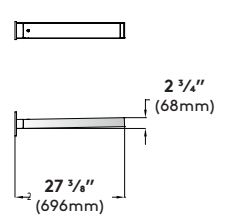
EPA Weight = 36 lbs.
EPA
1.23ft²

Quadruple (SB4)
Die cast aluminum Sistema lateral
bracket secured in pole side.
(Helicoil Location: 1B-2A-3D-4C)

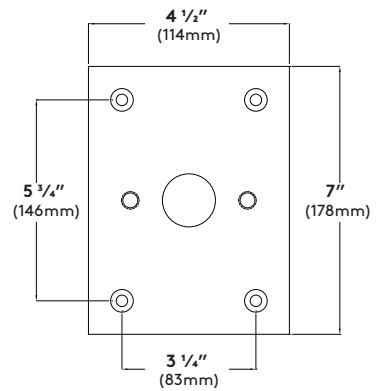


EPA Weight = 48 lbs.
EPA
1.64ft²

Wall Mount (W)
Die cast aluminum single
luminaire mount and
steel mounting plate
secured to wall with 1/4 inch
flat head screws.

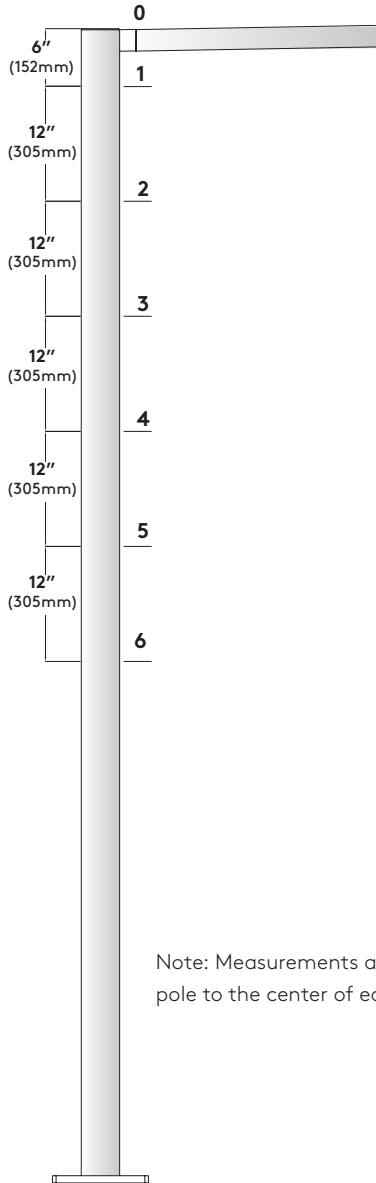


Wall Mounting Detail
(Conduit and mounting hardware
by others).



EPA Weight = 12 lbs.
EPA
0.59ft²

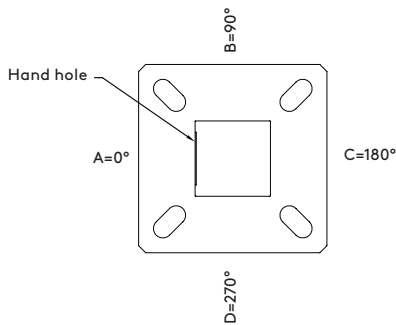
Mounting Detail



Mounting Configuration							
Height Code	0	1	2	3	4	5	6
Distance from Top of Pole	0.0'	0.5'	1.5'	2.5'	3.5'	4.5'	5.5'
Angular Location Code	Clockwise From Handhole						
A	0°						
B	90°						
C	180°						
D	270°						

*No Luminaire Below 7.5'

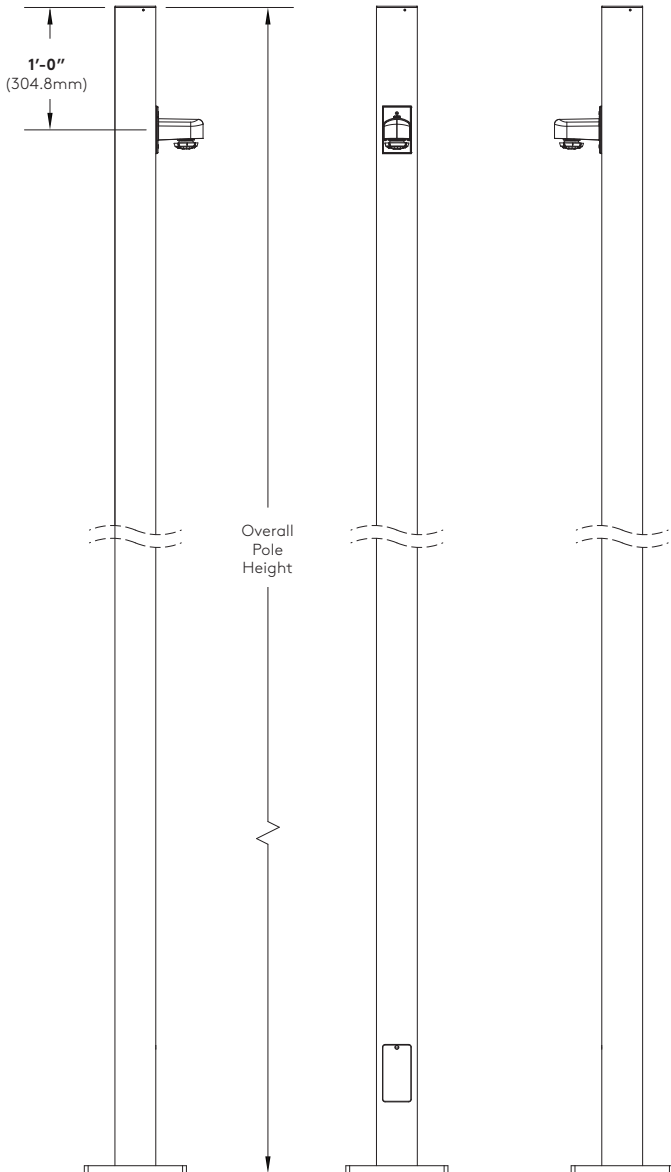
Note: Measurements are from the top of the pole to the center of each fixture



Square Pole Motion Sensor

The Selux outdoor rated sensor incorporates Passive Infrared (PIR) Technology for motion sensing and also includes built-in photocell. Sensor comes pre-installed in cast aluminum housing painted to match pole finish.

Series	Optic (270° coverage)	Hand Hole Orientation	Dim Level	Photocell Feature	Voltage
MS Motion Sensor	L (Low 8-12ft height) M (Medium 13-20ft height)	00 0° Clockwise from Hand Hole	D0 (Off)	Y Yes	UNV (120-277V)
		09 90° Clockwise from Hand Hole	D1 (1V=10%)		347* (347V)
		18 180° Clockwise from Hand Hole	D3 (3V=30%)	N No	480* (480V)
		27 270° Clockwise from Hand Hole	D5 (5V=50%)		*consult factory for 347V and 480V



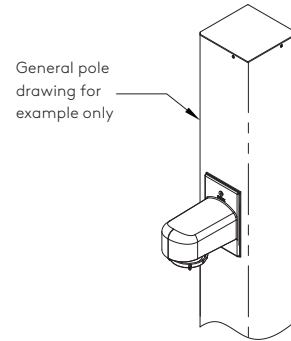
Factory Defaults:

Delay to Dim: 5 minutes

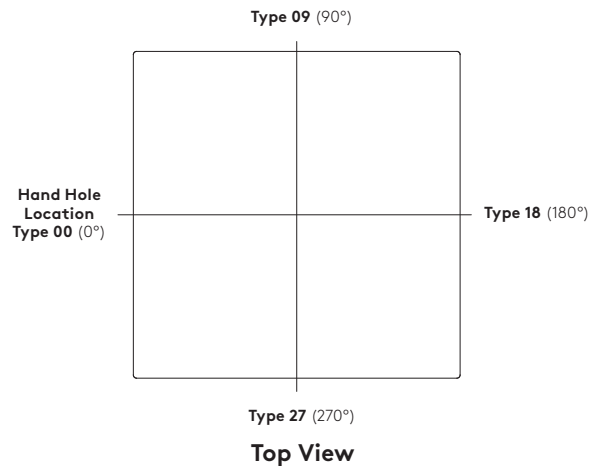
Delay to Off: 1 hour

Sensitivity: Max

Custom Programming: Consult Factory



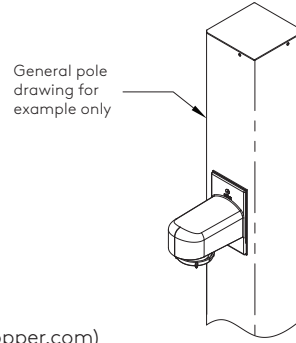
Sensor angular orientation from hand hole 0°
90° increments clockwise around pole (Type 00, 09, 18, 27)



Motion Sensor Features

- Customize programming using handheld wireless remote control (FSIR-100) sold separately (by others)
- 5 Year Warranty
- 100% Digital PIR Detection, excellent RF Immunity
- 270° coverage pattern
- IP66 Rated for outdoor applications
- Made for LED light source
- Adjustable time delays, max/min dim levels, and ramp rates
- Suitable for Title 24 applications

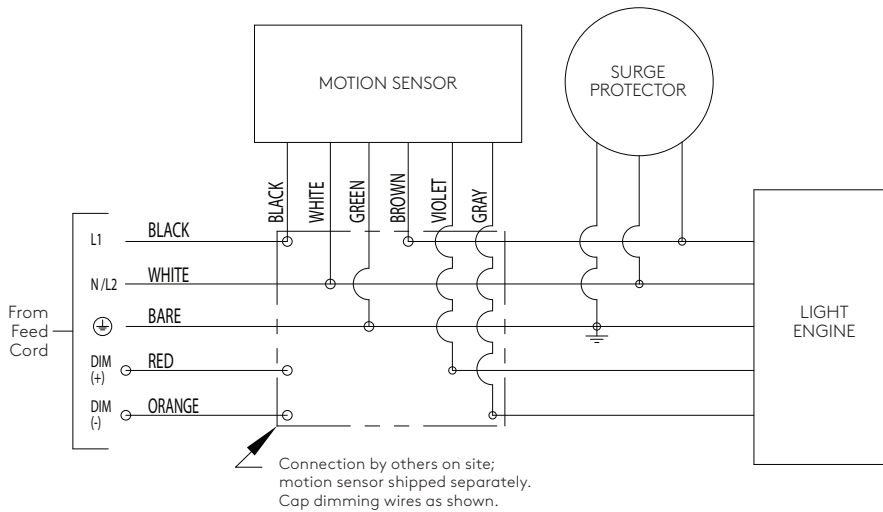
(For coverage details refer to wattstopper FSP-211 spec sheet at www.wattstopper.com)



FSIR-100 (remote)

**Sold Separately
(by others)**

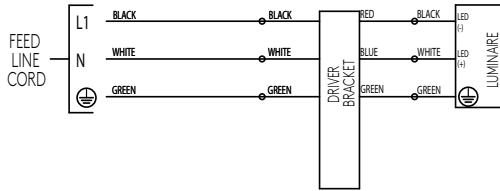
Motion Sensor Option (MS) Wiring (120V-277V)



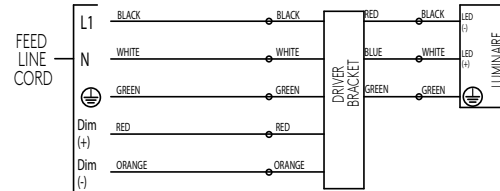
Wire Designation Table		
Source Voltage (VAC)	Wire Color	Wire Designation
UNV (120V-277V)	Black	L1
	White	Neutral (120V/277V or 208V/240V)

Arca LED Gen5 5G2 — Single LED Module Wiring

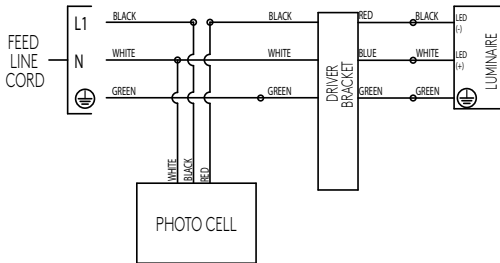
Standard Wiring



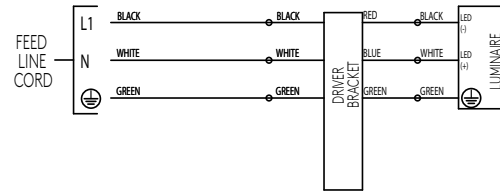
0-10V Dimming Option (DM) Wiring



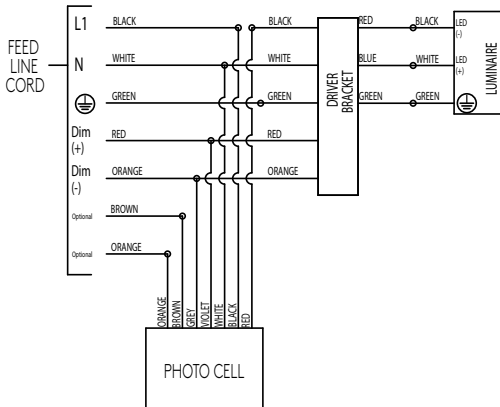
Photocell Wiring



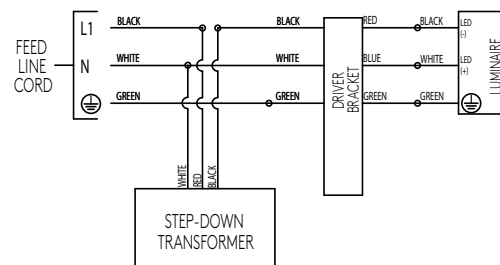
347/480V Wiring



7-Pin Receptacle Wiring

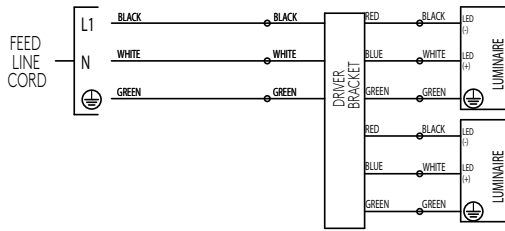


347/480V with Step-down Transformer Wiring

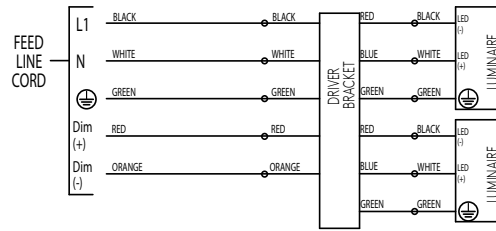


Arca LED Gen5 5G2 — Double LED Module Wiring

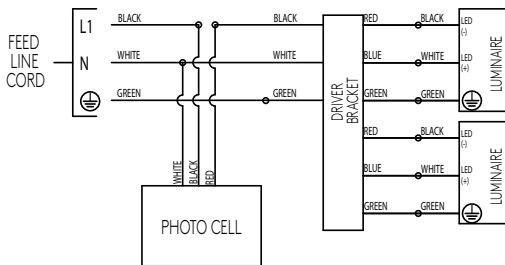
Standard Wiring



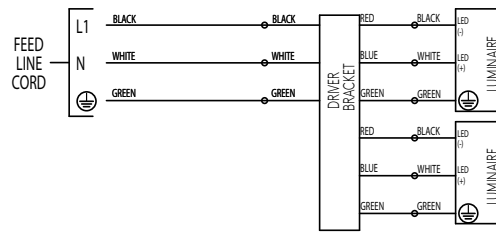
0-10V Dimming Option (DM) Wiring



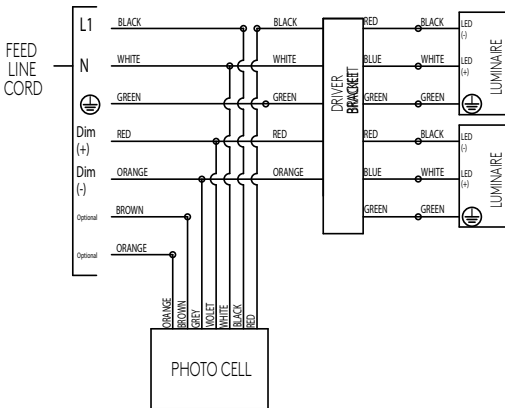
Photocell Wiring



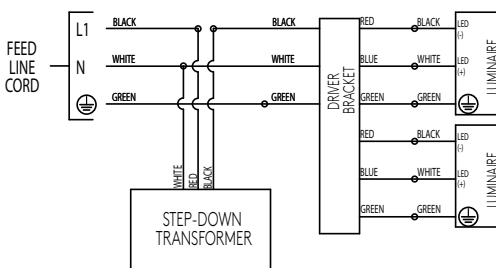
347/480V Wiring



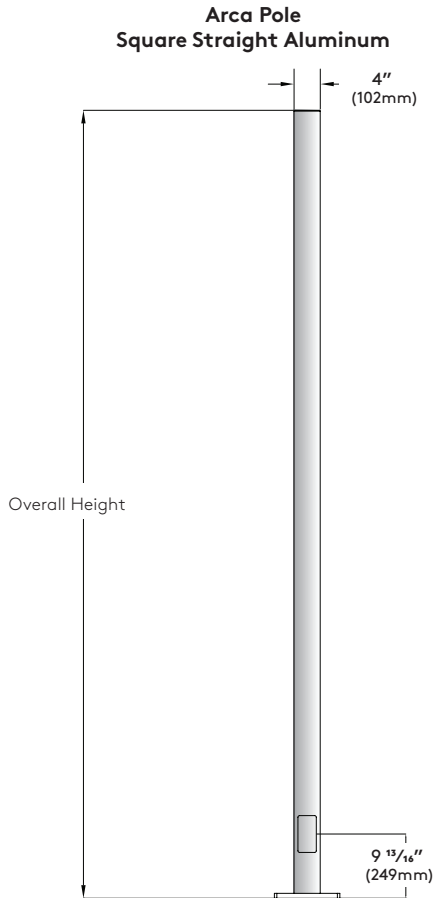
7-Pln Receptacle Wiring



347/480V with Step-down Transformer Wiring

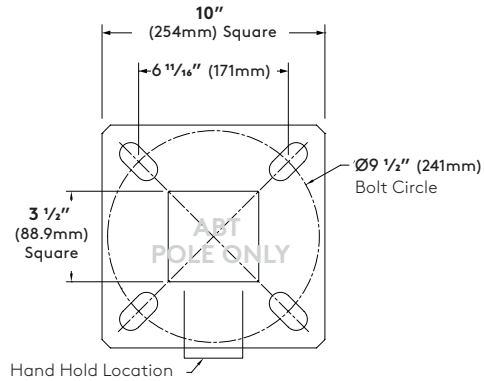


Pole Information



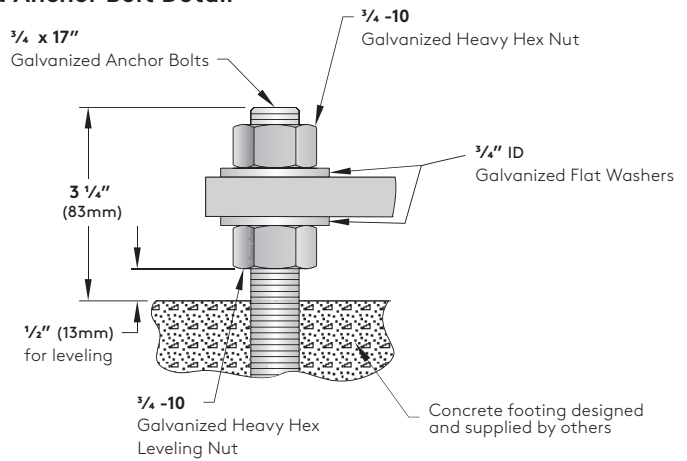
Arca Bolt Circle Template

Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimensions shown.



Note: Adequate drainage must be provided in concrete foundation.

Arca Anchor Bolt Detail



Pole Data Chart

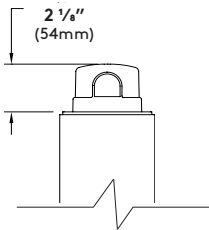
Pole Series	Bolt Circle	EPA Information											Height	Finish	Helicoil Inserts	Options
		Basic Wind Speed (MPH)														
		85	90	100	110	120	130	140	150	160	170	180				
A-A40-250	Ø9 1/2"	19.2	16.7	12.8	10.0	7.8	6.1	4.8	3.7	2.8	2.1	1.5	8	WH White	HC1 1 Pair	BC Base Cover REC GFCI Receptacle with weather-proof cover REC2 GFCI Receptacle with padlockable in-use cover REC3 USB & Duplex Receptacle with weatherproof cover REC4 USB & Duplex Receptacle with weatherproof padlockable in-use cover *Weatherproof cover intended for portable tools or other portable equipment connected to the outlet only when attended. For other requirements please consult factory.
		13.7	11.7	8.7	6.4	4.6	3.3	2.2	1.3	0.6	-	-	10	BK Black	HC2 2 Pair	
		9.8	8.1	5.6	3.7	2.2	1.1	-	-	-	-	-	12	BL Semi-Matte Black	HC3 3 Pair	
		6.7	5.3	3.1	1.5	-	-	-	-	-	-	-	14	BZ Bronze	HC4 4 Pair	
		4.2	3.0	1.0	-	-	-	-	-	-	-	-	16	SV Silver		
		2.0	0.9	-	-	-	-	-	-	-	-	-	18	SP Specify Premium Color		

Notes:

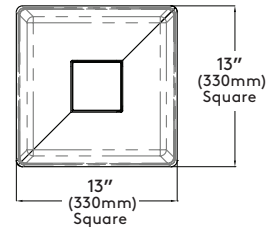
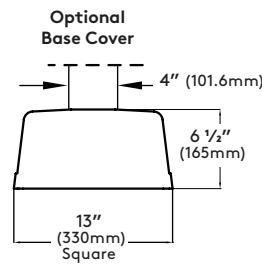
- 1) Maximum EPA ratings certified in accordance with AASHTO 2013 (LTS-6) for 3-s gust wind speeds based on Allowable Stress Design (ASD) analysis
- 2) Consult factory for equivalent Load and Resistance Factor Design (LRFD) wind speeds
- 3) Rated performance is dependant upon the pole being properly attached to a supporting foundation of adequate design

Optional Accessories

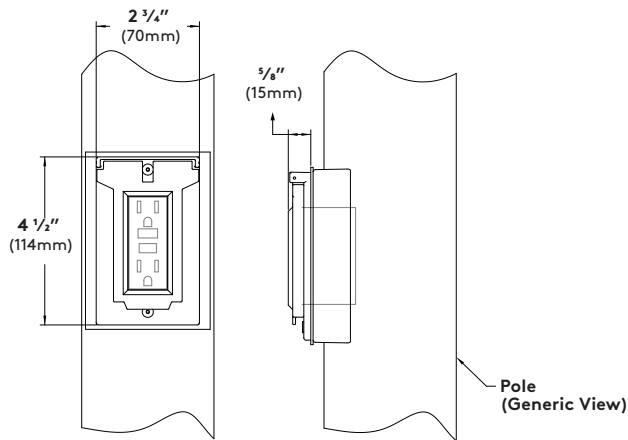
Photocell (TLRP) - 3-Pin Receptacle with Twist Lock Photocell at top of pole.



Base Cover (BC)

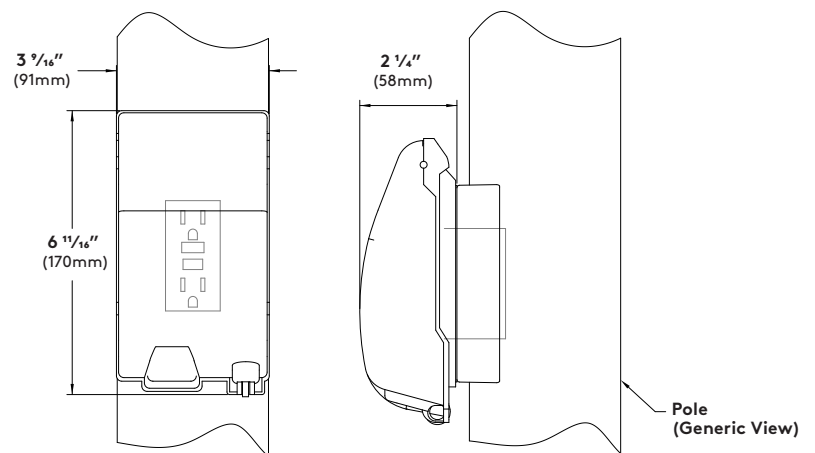


REC and REC3



Cover shown in the closed position

REC2 and REC4



Cover shown in the closed position

GFCI Receptacle (REC) - 120V 15A GFCI duplex receptacle with weatherproof, self-closing cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

USB & Duplex Receptacle (REC3) (not shown) - 120V 20A duplex receptacle with USB combination ports. (1) type A and (1) type C high power 5A, 5V USB outlets. With weatherproof, self-closing cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

REC3 does not incorporate GFCI (Ground Fault Circuit Interrupter) protection, and shall be powered by a GFCI protected branch circuit (by others).

GFCI Receptacle (REC2) - 120V 15A GFCI duplex receptacle with weatherproof, self-closing, padlockable in-use cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

USB & Duplex Receptacle (REC4) (not shown) - 120V 20A duplex receptacle with USB combination ports. (1) type A and (1) type C high power 5A, 5V USB outlets. With weatherproof, self-closing padlockable in-use cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

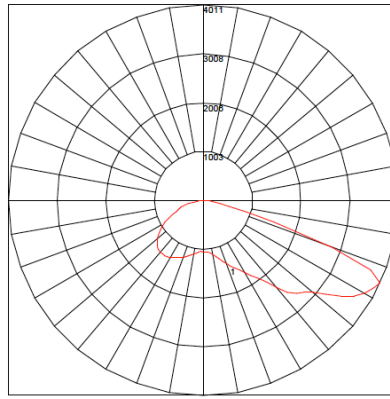
REC4 does not incorporate GFCI (Ground Fault Circuit Interrupter) protection, and shall be powered by a GFCI protected branch circuit (by others).

Arca LED
Photometry

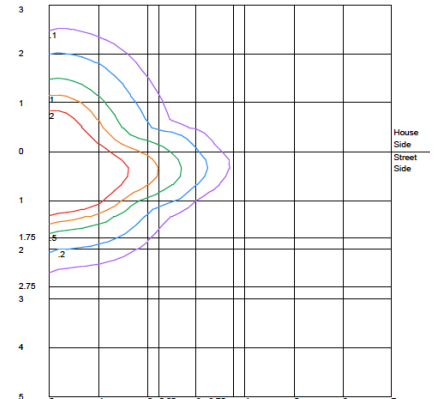


R1 / 61W LED / 3000K CCT

Catalog #: ACL-R1-X-5G2530-30-XX-120
Report #: 13212221.15
Delivered Lumens: 7579
Efficacy: 124
IES classification: Type II
Maximum candela of 4011.3 at 65° from vertical
BUG Rating: B2-U0-G2



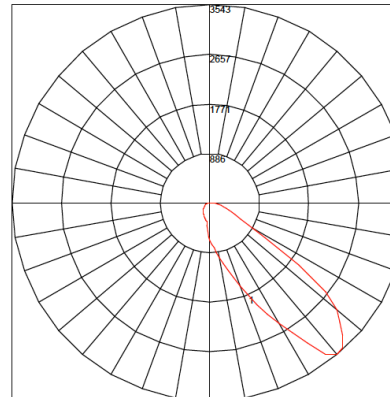
Maximum Candela = 4011.304 Located At Horizontal Angle = 77.5, Vertical Angle = 65
1 - Vertical Plane Through Horizontal Angles (77.5 - 257.5) (Through Max. Cd.)



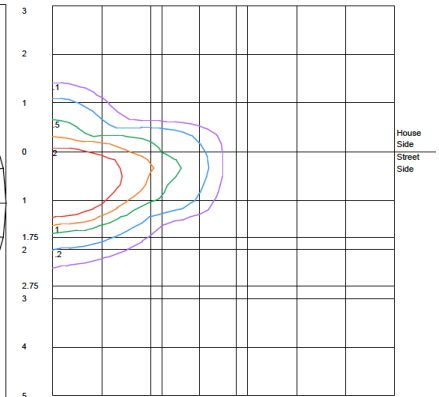
Distance In Units Of Mounting Height
Values Based On 16 Foot Mounting Height

R1 with HS/ 61W LED / 3000K CCT

Catalog #: ACL-R1-X-5G2530-30-XX-120-HS
Report #: 13212221.15
Delivered Lumens: 5247
Efficacy: 86
IES classification: Type II
Maximum candela of 3542.8 at 40° from vertical
BUG Rating: B2-U0-G1



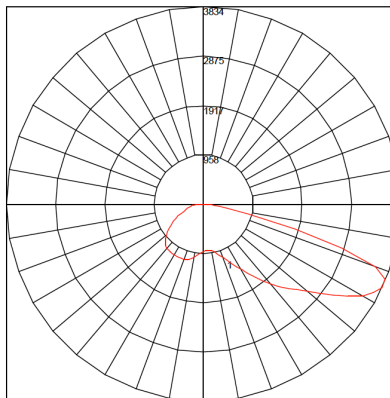
Maximum Candela = 3542.784 Located At Horizontal Angle = 0, Vertical Angle = 40
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)



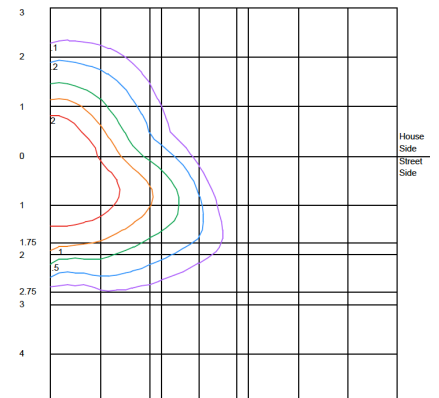
Distance In Units Of Mounting Height
Values Based On 16 Foot Mounting Height

R2 / 61W LED / 3000K CCT

Catalog #: ACL-R2-X-5G2530-30-XX-120
Report #: 13212221.17
Delivered Lumens: 7352
Efficacy: 121
IES classification: Type III
Maximum candela of 3833.7 at 65° from vertical
BUG Rating: B2-U0-G2



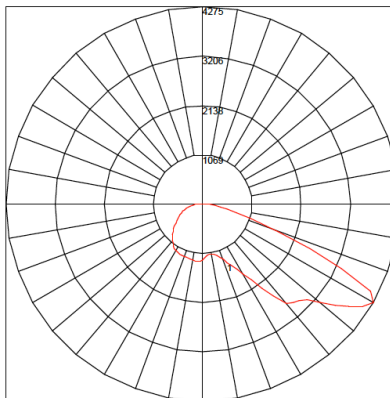
Maximum Candela = 3833.7 Located At Horizontal Angle = 62.5, Vertical Angle = 65
1 - Vertical Plane Through Horizontal Angles (62.5 - 242.5) (Through Max. Cd.)



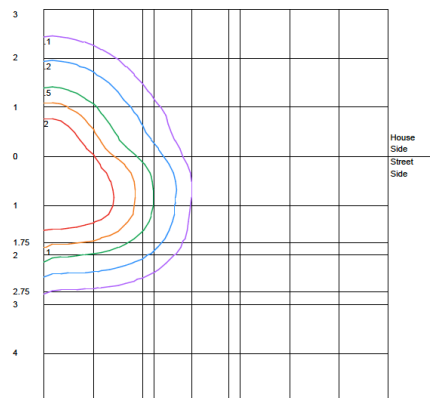
Distance In Units Of Mounting Height
Values Based On 16 Foot Mounting Height

R3 / 61W LED / 3000K CCT

Catalog #: ACL-R3-X-5G2530-30-XX-UNV
Report #: 113212221.17
Delivered Lumens: 7286
Efficacy: 119
IES classification: Type III
Maximum candela of 4275.1 at 60° from vertical
BUG Rating: B2-U0-G1



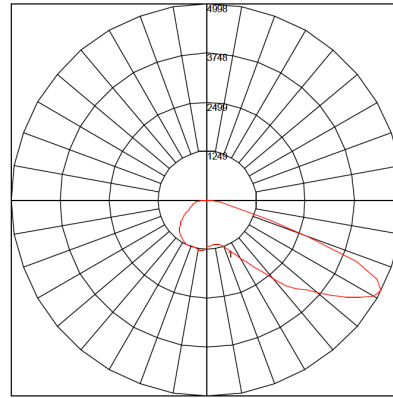
Maximum Candela = 4275.143 Located At Horizontal Angle = 45, Vertical Angle = 60
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)



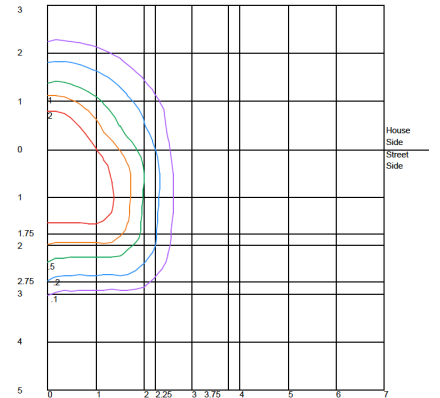
Distance In Units Of Mounting Height
Values Based On 16 Foot Mounting Height

R4 / 61W LED / 3000K CCT

Catalog #: ACL-R4-X-5G2530-30-XX-UNV
Report #: 13212221.17
Delivered Lumens: 7435
Efficacy: 122
IES classification: Type III
Maximum candela of 4998 at 62.5° from vertical
BUG Rating: B2-U0-G1



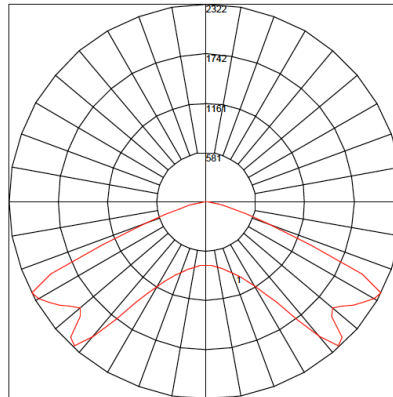
Maximum Candela = 4997.992 Located At Horizontal Angle = 35, Vertical Angle = 62.5
1 - Vertical Plane Through Horizontal Angles (35 - 215) (Through Max. Cd.)



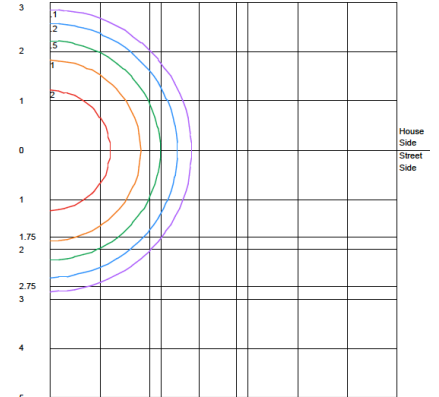
Distance In Units Of Mounting Height
Values Based On 16 Foot Mounting Height

R5R / 61W LED / 3000K CCT

Catalog #: ACL-R5R-X-5G2530-30-XX-120
Report #: 13212221.17
Delivered Lumens: 7515
Efficacy: 123
IES classification: Type V
Maximum candela of 2322.4 at 65.2° from vertical
BUG Rating: B3-U0-G1



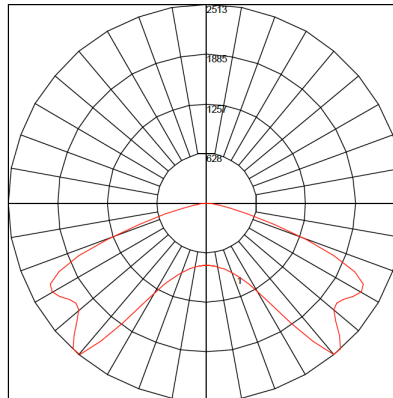
Maximum Candela = 2322.428 Located At Horizontal Angle = 0, Vertical Angle = 65.2
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)



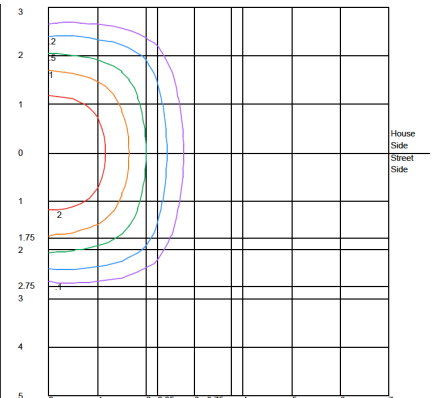
Distance In Units Of Mounting Height
Values Based On 16 Foot Mounting Height

R5S / 61W LED / 3000K CCT

Catalog #: ACL-R5S-X-5G2530-30-XX-UNV
Report #: 13212221.17
Delivered Lumens: 7472
Efficacy: 122
IES classification: Type VS
Maximum candela of 2513.1 at 42.5° from vertical
BUG Rating: B2-U0-G1



Maximum Candela = 2513.119 Located At Horizontal Angle = 45, Vertical Angle = 42.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)



Distance In Units Of Mounting Height
Values Based On 16 Foot Mounting Height

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