URBAN DESIGN COMMISSION APPLICATION

UDC

City of Madison
Planning Division
Madison Municipal Building, Suite 017
215 Martin Luther King, Jr. Blvd.
P.O. Box 2985
Madison, WI 53701-2985
(608) 266-4635

FOR OFFICE USE ONLY:

Paid _____ Receipt # _____

Date received _____

Received by _____ 1/14/21 1:14 p.m. RECEIVED

Aldermanic District _____

Zoning District _____

Urban Design District _____

Submittal reviewed by _____

Legistar # _____

Complete all sections of this application, including the desired meeting date and the action requested.

If you need an interpreter, translator, materials in alternate formats or other accommodations to access these forms, please call the phone number above immediately.

1. Project Information

Address: 4800 VOGES ROAD

Title: WYOMING PROJECT - VOGES ROAD BUILDING #1

2. Application Type (check all that apply) and Requested Date

UDC meeting date requested FEBRUARY 24, 2021

- ☐ New development
- ☐ Alteration to an existing or previously-approved development
- ☐ Informational
- ☐ Initial approval
- ☒ Final approval

3. Project Type

- ☒ Project in an Urban Design District
- ☐ Project in the Downtown Core District (DC), Urban Mixed-Use District (UMX), or Mixed-Use Center District (MXC)
- ☐ Project in the Suburban Employment Center District (SEC), Campus Institutional District (CI), or Employment Campus District (EC)
- ☐ Planned Development (PD)
  - ☐ General Development Plan (GDP)
  - ☐ Specific Implementation Plan (SIP)
- ☐ Planned Multi-Use Site or Residential Building Complex

Signage

- ☐ Comprehensive Design Review (CDR)
- ☐ Signage Variance (i.e. modification of signage height, area, and setback)
- ☐ Signage Exception

Other

- ☐ Please specify

_____

4. Applicant, Agent, and Property Owner Information

Applicant name DAVE HULL Company RUEDEBUSCH DEVELOPMENT

Street address 4605 DOVETAIL DRIVE City/State/Zip MADISON, WI 53704

Telephone (608) 249-2012 x 232 Email daveh@ruedebusch.com

Project contact person SAME AS APPLICANT Company _____

Street address _____ City/State/Zip _____

Telephone _____ Email _____

Property owner (if not applicant) RDC NATIONAL, INC

Street address 4605 DOVETAIL DRIVE City/State/Zip Madison, WI 53704

Telephone (608) 249-2012 Email carl@ruedebusch.com

5. Required Submittal Materials

- [x] **Application Form**
- [x] **Letter of Intent**
  - If the project is within an Urban Design District, a summary of how the development proposal addresses the district criteria is required
  - For signage applications, a summary of how the proposed signage is consistent with the applicable CDR or Signage Variance review criteria is required.
- [x] **Development Plans** (Refer to checklist on Page 4 for plan details)
- [x] **Filing fee**
- [x] **Electronic Submittal***
- [x] **Notification to the District Alder**
  - Please provide an email to the District Alder notifying them that you are filing this UDC application. Please send this as early in the process as possible and provide a copy of that email with the submitted application.

Each submittal must include fourteen (14) 11" x 17" **collated** paper copies. Landscape and Lighting plans (if required) must be **full-sized and legible**. Please refrain from using plastic covers or spiral binding.

Both the paper copies and electronic copies must be submitted prior to the application deadline before an application will be scheduled for a UDC meeting. Late materials will not be accepted. A completed application form is required for each UDC appearance.

For projects also requiring Plan Commission approval, applicants must also have submitted an accepted application for Plan Commission consideration prior to obtaining any formal action (initial or final approval) from the UDC. All plans must be legible when reduced.

**Electronic copies of all items submitted in hard copy are required. Individual PDF files of each item submitted should be compiled on a CD or flash drive, or submitted via email to udcapplications@cityofmadison.com. The email must include the project address, project name, and applicant name. Electronic submittals via file hosting services (such as Dropbox.com) are not allowed. Applicants who are unable to provide the materials electronically should contact the Planning Division at (608) 266-4635 for assistance.*

6. Applicant Declarations

1. Prior to submitting this application, the applicant is required to discuss the proposed project with Urban Design Commission staff. This application was discussed with JANINE GLAESER on DECEMBER 28, 2020
2. The applicant attests that all required materials are included in this submittal and understands that if any required information is not provided by the application deadline, the application will not be placed on an Urban Design Commission agenda for consideration.

Name of applicant CARL RUEDEBUSCH Relationship to property LAND PURCHASE INTEREST

Authorizing signature of property owner [signature] Date 1/7/21

7. Application Filing Fees

Fees are required to be paid with the first application for either initial or final approval of a project, unless the project is part of the combined application process involving the Urban Design Commission in conjunction with Plan Commission and/or Common Council consideration. Make checks payable to City Treasurer. Credit cards may be used for application fees of less than $1,000.

Please consult the schedule below for the appropriate fee for your request:

- [x] Urban Design Districts: $350 *(per §35.24(6) MGO).*
- [ ] Minor Alteration in the Downtown Core District (DC) or Urban Mixed-Use District (UMX) : $150 *(per §33.24(6)(b) MGO)*
- [ ] Comprehensive Design Review: $500 *(per §31.041(3)(d)(1)(a) MGO)*
- [ ] Minor Alteration to a Comprehensive Sign Plan: $100 *(per §31.041(3)(d)(1)(c) MGO)*
- [ ] All other sign requests to the Urban Design Commission, including, but not limited to: appeals from the decisions of the Zoning Administrator, requests for signage variances (i.e. modifications of signage height, area, and setback), and additional sign code approvals: $300 *(per §31.041(3)(d)(2) MGO)*

A filing fee is not required for the following project applications if part of the combined application process involving both Urban Design Commission and Plan Commission:

- Project in the Downtown Core District (DC), Urban Mixed-Use District (UMX), or Mixed-Use Center District (MXC)
- Project in the Suburban Employment Center District (SEC), Campus Institutional District (CI), or Employment Campus District (EC)
- Planned Development (PD): General Development Plan (GDP) and/or Specific Implementation Plan (SIP)
- Planned Multi-Use Site or Residential Building Complex

URBAN DESIGN COMMISSION APPROVAL PROCESS

UDC

Introduction

The City of Madison's Urban Design Commission (UDC) has been created to:

- Encourage and promote high quality in the design of new buildings, developments, remodeling, and additions so as to maintain and improve the established standards of property values within the City.
- Foster civic pride in the beauty and nobler assets of the City, and in all other ways possible assure a functionally efficient and visually attractive City in the future.

Types of Approvals

There are three types of requests considered by the UDC:

- Informational Presentation. Applicants may, at their discretion, request to make an Informational Presentation to the UDC prior to seeking any approvals to obtain early feedback and direction before undertaking detailed design. Applicants should provide details on the context of the site, design concept, site and building plans, and other relevant information to help the UDC understand the proposal and provide feedback. (Does not apply to CDR's or Signage Variance requests)
- Initial Approval. Applicants may, at their discretion, request initial approval of a proposal by presenting preliminary design information. As part of their review, the Commission will provide feedback on the design information that should be addressed at Final Approval stage.
- Final Approval. Applicants may request Final Approval of a proposal by presenting all final project details. Recommendations or concerns expressed by the UDC in the initial approval must be addressed at this time.

Presentations to the Commission

Primarily, the UDC is interested in the appearance and design quality of projects. Emphasis should be given to the site plan, landscape plan, lighting plan, building elevations, exterior building materials, color scheme, and graphics.

When presenting projects to the UDC, applicants must fill out a registration slip provided in the meeting room and present it to the Secretary. Presentations should generally be limited to 5 minutes or as extended by motion by consent of the Commission. The Commission will withhold questions until the end of the presentation.

Applicants are encouraged to consider the use of various graphic presentation material including a locator map, photographs, renderings/model, scale drawings of the proposal in context with adjacent buildings/uses/signs, etc., as may be deemed appropriate to describe the project and its surroundings. Graphics should be mounted on rigid boards so that they may be easily displayed. **Applicants/presenters are responsible for all presentation materials, AV equipment and easels**.

URBAN DESIGN DEVELOPMENT PLANS CHECKLIST

UDC

The items listed below are minimal application requirements for the type of approval indicated. Please note that the UDC and/or staff may require additional information in order to have a complete understanding of the project.

1. Informational Presentation

- ☐ Locator Map
- ☐ Letter of Intent (If the project is within an Urban Design District, a summary of how the development proposal addresses the district criteria is required)
- ☐ Contextual site information, including photographs and layout of adjacent buildings/structures
- ☐ Site Plan
- ☐ Two-dimensional (2D) images of proposed buildings or structures.

Providing additional information beyond these minimums may generate a greater level of feedback from the Commission.

Requirements for All Plan Sheets

1. Title block
2. Sheet number
3. North arrow
4. Scale, both written and graphic
5. Date
6. Fully dimensioned plans, scaled at 1"= 40' or larger

*** All plans must be legible, including the full-sized landscape and lighting plans (if required)*

2. Initial Approval

- ☐ Locator Map
- ☐ Letter of Intent (If the project is within a Urban Design District, a summary of how the development proposal addresses the district criteria is required)
- ☐ Contextual site information, including photographs and layout of adjacent buildings/structures
- ☐ Site Plan showing location of existing and proposed buildings, walks, drives, bike lanes, bike parking, and existing trees over 18" diameter
- ☐ Landscape Plan and Plant List (*must be legible*)
- ☐ Building Elevations in both black & white and color for all building sides (include material callouts)
- ☐ PD text and Letter of Intent (if applicable)

Providing additional information beyond these minimums may generate a greater level of feedback from the Commission.

3. Final Approval

All the requirements of the Initial Approval (see above), **plus**:

- ☐ Grading Plan
- ☐ Proposed Signage (if applicable)
- ☐ Lighting Plan, including fixture cut sheets and photometrics plan (*must be legible*)
- ☐ Utility/HVAC equipment location and screening details (with a rooftop plan if roof-mounted)
- ☐ PD text and Letter of Intent (if applicable)
- ☐ Samples of the exterior building materials (presented at the UDC meeting)

4. Comprehensive Design Review (CDR) and Variance Requests (***Signage applications only***)

- ☐ Locator Map
- ☐ Letter of Intent (a summary of how the proposed signage is consistent with the CDR or Signage Variance criteria is required)
- ☐ Contextual site information, including photographs of existing signage both on site and within proximity to the project site
- ☐ Site Plan showing the location of existing signage and proposed signage, dimensioned signage setbacks, sidewalks, driveways, and right-of-ways
- ☐ Proposed signage graphics (fully dimensioned, scaled drawings, including materials and colors, and night view)
- ☐ Perspective renderings (emphasis on pedestrian/automobile scale viewsheds)
- ☐ Illustration of the proposed signage that meets Ch. 31, MGO compared to what is being requested.
- ☐ Graphic of the proposed signage as it relates to what the Ch. 31, MGO would permit

LETTER OF INTENT
4800 VOGES ROAD DEVELOPMENT

City of Madison Zoning:
IL (Industrial Limited District)
Urban Design District No. 1

The proposed project is for the 28.4 +/- acre parcel located at 4800 Voges Road. The land division will include two (2) parcels to be developed with commercial warehouse type buildings on Lots 1 (Building #1) and Lot 2 (Building #2), two (2) outlots for stormwater detention and the street extension of Galleon Run.

The existing parcel is undeveloped with tree line area located on the north portion of the parcel. There are also three (3) delineated wetlands located on the entire parcel that will be mitigated as part of the entire development.

The proposed building construction on Lot 1 is anticipated to begin in April 2021 once all land division and land use approvals have been obtained. The building construction on Lot 2 will begin simultaneously after the Lot 1 building is completed. Construction completion will be in late 2022.

District Criteria:

Buildings (#1 and #2) in this development have been designed per criteria established for Urban Design District No. 1. The primary building wall design will consist of precast concrete panels to meet the requirement to provide materials that are low maintenance and durable. This element maintains and increases the buildings aesthetics in order to meet the requirement of harmonious design with the surrounding buildings in the neighborhood (see locator map attached). Contemporary architecture was added to the precast wall panels using elongated canopies tiered at the buildings corners to help scale the 36 foot exterior wall heights. Glass was added between and below these canopies to offer opportunities for any future office area support spaces to have ample natural lighting at the each corner of the buildings. Along that same element it was important for the design to capture clear story windows throughout each wall elevation to give any warehouse, storage or production areas the same opportunity of natural lighting. These elements also offer the opportunity to avoid large blank facades. Continuing with contemporary design 3 foot precast panels have been placed perpendicular at all building corner locations and throughout the elevations to bring depth and define entrances for areas of facility activity. The addition of the perpendicular panels and canopies gave opportunity to use a horizontal metal panel at a minimum to highlight the exterior walls with a color and texture change. During a preliminary virtual UDC design meeting it was established due to the 36 foot exterior wall building heights and minimal grade changes to keep any mechanical roof mounted elements on the west 1/3 of Building #1 and on 1/3 of the east end of building #2.

RUEDEBUSCH DEVELOPMENT & CONSTRUCTION, INC.
4605 DOVETAIL DRIVE MADISON, WI 53704 PHONE: 608.249.2012 FAX: 608.249.2032
RUEDEBUSCH.COM

Project Contact Information:

Current Property Owner:
T-Bird Holdings, LLC
John Dahl / Michael Dahl
3663 T Bird Way
Cottage Grove, WI 53527

Land Purchase Interest:
RDC National, Inc
Carl Ruedebusch - President
4605 Dovetail Drive
Madison, WI 53704
carl@ruedebusch.com

Surveyor:
Williamson Surveying and Associates, LLC
Noa Prieve – Land Surveyor
104 A West Main Street
Waunakee, WI 53597
noa@williamsonsurveying.com

Civil Engineer:
Wyser Engineering
Wade Wyse - Principal
312 East Main Street
Mount Horeb, WI 53572
wade.wyse@wyserengineering.com

Project Contact / Questions:
Ruedebusch Development
David Hull – Project Manager
4605 Dovetail Drive
Madison, WI 53704
daveh@ruedebusch.com

LOCATOR MAP

4800 VOGES ROAD DEVELOPMENT
MADISON, WISCONSIN

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RUEDEBUSCH DEVELOPMENT & CONSTRUCTION, INC.
4605 DOVETAIL DRIVE MADISON, WI 53704 PHONE: 608.249.2012 FAX: 608.249.2032
RUEDEBUSCH.COM

VIEW FROM VOGES RD LOOKING NORTH

VIEW FROM VOGES RD LOOKING SOUTHEAST

RUEDEBUSCH DEVELOPMENT & CONSTRUCTION, INC.
4605 DOVETAIL DRIVE MADISON, WI 53704 PHONE: 608.249.2012 FAX: 608.249.2032
RUEDEBUSCH.COM

VIEW FROM VOGES RD LOOKING WEST

VIEW FROM VOGES RD LOOKING EAST

RUEDEBUSCH DEVELOPMENT & CONSTRUCTION, INC.
4605 DOVETAIL DRIVE MADISON, WI 53704 PHONE: 608.249.2012 FAX: 608.249.2032
RUEDEBUSCH.COM

VIEW FROM GALLEON RUN LOOKING SOUTH

OVERALL 3D VIEW LOOKING EAST

RUEDEBUSCH DEVELOPMENT & CONSTRUCTION, INC.
4605 DOVETAIL DRIVE MADISON, WI 53704 PHONE: 608.249.2012 FAX: 608.249.2032
RUEDEBUSCH.COM

RUEDEBUSCH DEVELOPMENT & CONSTRUCTION

4605 DOVETAIL DRIVE
MADISON, WI 53704

WYOMING PROJECT.

4800 VOGES RD.
(BUILDING #1 - WEST OF FUTURE ROAD - GALLEON RUN)
MADISON, WI 53718

PROJECT INFORMATION

APPLICABLE CODE:.....WISCONSIN COMMERCIAL BUILDING CODE
2015 IBC
STATE OF WISCONSIN DEPARTMENT OF
SAFETY AND PROFESSIONAL SERVICES
CITY OF MADISON, WISCONSIN

CITY OF MADISON ZONING:.....IL (INDUSTRIAL LIMITED DISTRICT)
UDC (URBAN DESIGN DISTRICT) LIMITED

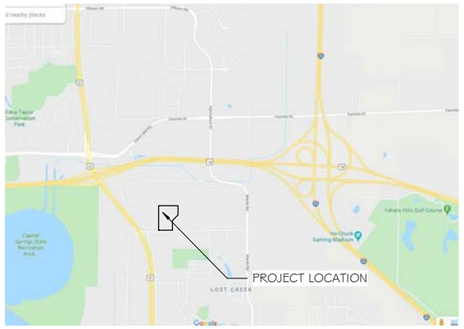
OCCUPANCY TYPE:.....(B) BUSINESS SECTION 304
(S-1) STORAGE SECTION 311

CONSTRUCTION TYPE:.....TYPE OF CONSTRUCTION: IIIB
CONCRETE PRECAST EXTERIOR WALLS
EPDM RUBBER ROOF w/BALLAST SYSTEM

TOTAL BUILDING (FOOTPRINT):.....TOTAL = 202,800 S.F.

NUMBER OF STORIES:.....1 STORY (T/EXTERIOR WALL = 36'-0")

FIRE PROTECTION:.....FULLY SPRINKLERED PER NFPA 13
SYSTEM w/ ESFR



LOCATION MAP

SHEET INDEX:

SHEET NUM.	SHEET NAME:	REVISION NUM.
T1.1	TITLE SHEET	
CIVIL DRAWINGS - WYSER ENGINEERING, LLC		
C1.0	SITE PLAN LOT 1	
C2.0	GRADING & EROSION CONTROL PLAN	
SITE LIGHTING		
SL1.1	SITE LIGHTING PLAN	
SL1.2	SITE LIGHTING PLAN - 4 FT @ GRADE	
LANDSCAPE PLAN - OLSON TOON LANDSCAPING, INC		
L100	OVERALL SITE LANDSCAPE PLAN	
L101	LANDSCAPE PLAN BUILDING #1	

ARCHITECTURAL DRAWINGS		
A1.1	FLOOR PLAN	
A1.2	FLOOR PLAN ENLARGED 1	
A1.3	FLOOR PLAN ENLARGED 2	
A1.4	ROOF PLAN	
A2.1	ELEVATIONS	
A2.2	ENLARGED ELEVATIONS	
A2.3	ENLARGED ELEVATIONS	

RUEDEBUSCH DEVELOPMENT & CONSTRUCTION
WWW.RUEDEBUSCH.COM
4605 DOVETAIL DRIVE MADISON, WI 53704
PHONE 608.249.2012 FAX 608.249.2032

WYOMING PROJECT
BUILDING #1
WEST OF FUTURE GALLEON RUN
4800 VOGES ROAD
MADISON, WISCONSIN 53718

Revision Number	Revision Description	Revision Date	Issued by

SHEET TITLE:
TITLE SHEET

JOB NUMBER:	19032
DESIGNED BY:	TC
DRAWN BY:	TC
CHECKED BY:	TC
DATE:	01.13.2021

SHEET NO:
T1.1

SITE INFORMATION BLOCK:

SITE ADDRESS: VOGES RAOD
SITE ACREAGE: 28.54 AC
- LOT 1: 646,600 SQ.FT.
- LOT 2: 353,100 SQ.FT.
- OUTLOT 1: 87,787 SQ.FT.
- OUTLOT 2: 61,472 SQ.FT.
- PUBLIC ROW: 94,396 SQ.FT.

USE OF PROPERTY: INDUSTRIAL / COMMERCIAL
ZONING: INDUSTRIAL - LIMITED DISTRICT (IL)

SETBACKS:
- FRONT YARD: -
- BACK YARD: 30-FEET
- SIDE YARD: 10-FEET

MAXIMUM IMPERVIOUS AREA: 75%

EXISTING IMPERVIOUS SURFACE AREA: 0 SQ.FT.

NEW IMPERVIOUS SURFACE AREA AS SHOWN:
- LOT 1: 477,160 SQ.FT. (73.8%)
- LOT 2: 264,540 SQ.FT. (74.9%)

PARKING:
- LOT 1: 289 STALLS
- LOT 2: 118 STALLS

LEGEND (PROPOSED)

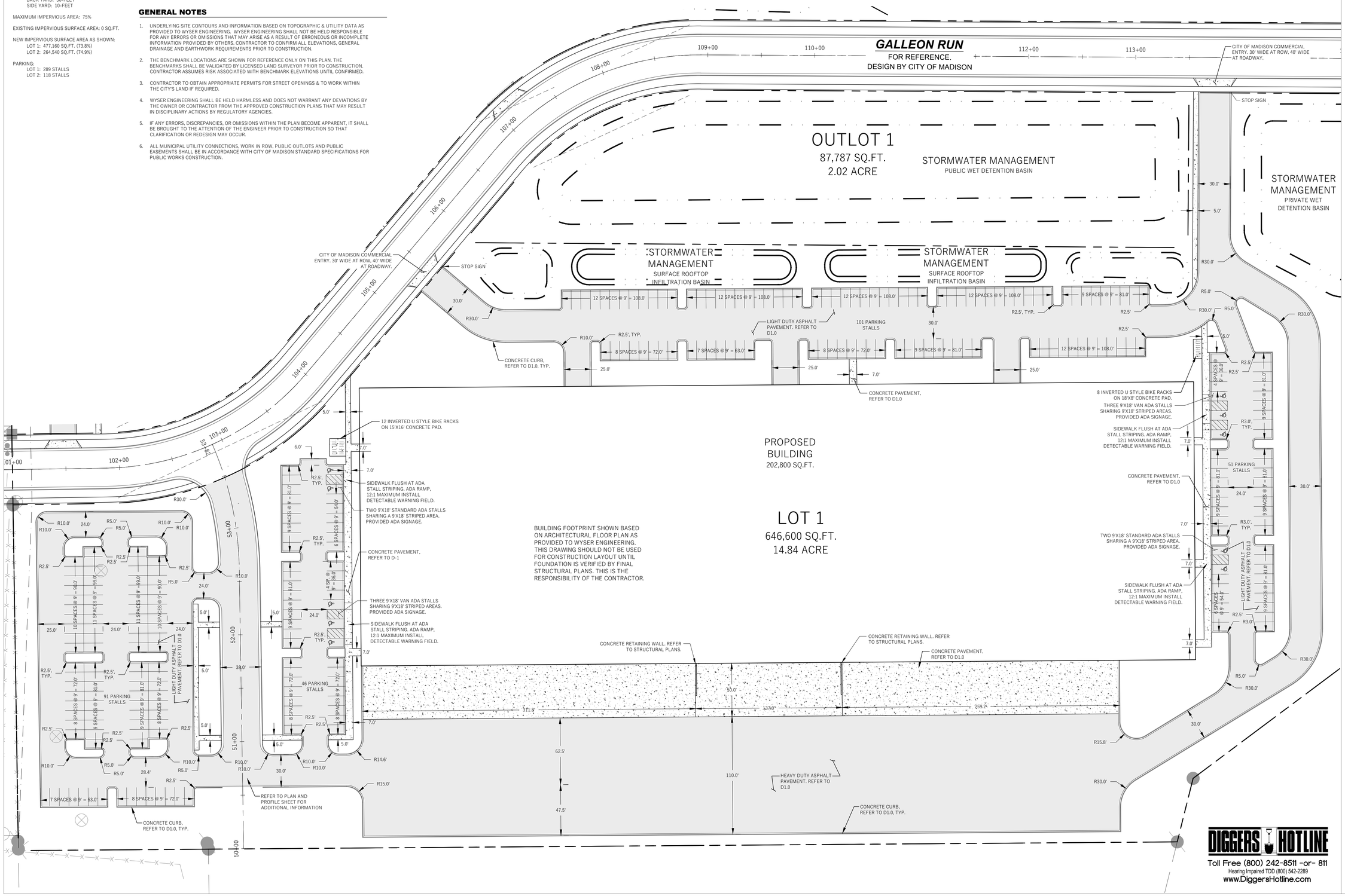
- PROPOSED PROPERTY BOUNDARY
- EASEMENT
- BUILDING FOOTPRINT
- 18" CURB AND GUTTER
- LIGHT DUTY ASPHALT PAVEMENT
- HEAVY DUTY ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- STORMWATER TREATMENT FACILITY

NORTH

1"=40' ON 24'X36'
NTS ON 11'X17'

GENERAL NOTES

1. UNDERLYING SITE CONTOURS AND INFORMATION BASED ON TOPOGRAPHIC & UTILITY DATA AS PROVIDED TO WYSER ENGINEERING. WYSER ENGINEERING SHALL NOT BE HELD RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY ARISE AS A RESULT OF ERRONEOUS OR INCOMPLETE INFORMATION PROVIDED BY OTHERS. CONTRACTOR TO CONFIRM ALL ELEVATIONS, GENERAL DRAINAGE AND EARTHWORK REQUIREMENTS PRIOR TO CONSTRUCTION.
2. THE BENCHMARK LOCATIONS ARE SHOWN FOR REFERENCE ONLY ON THIS PLAN. THE BENCHMARKS SHALL BE VALIDATED BY LICENSED LAND SURVEYOR PRIOR TO CONSTRUCTION. CONTRACTOR ASSUMES RISK ASSOCIATED WITH BENCHMARK ELEVATIONS UNTIL CONFIRMED.
3. CONTRACTOR TO OBTAIN APPROPRIATE PERMITS FOR STREET OPENINGS & TO WORK WITHIN THE CITY'S LAND IF REQUIRED.
4. WYSER ENGINEERING SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER OR CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY REGULATORY AGENCIES.
5. IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS WITHIN THE PLAN BECOME APPARENT, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
6. ALL MUNICIPAL UTILITY CONNECTIONS, WORK IN ROW, PUBLIC OUTLOTS AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.



DIGGERS HOTLINE
Toll Free (800) 242-8511 -or- 811
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

RUEDEBUSCH DEVELOPMENT & CONSTRUCTION
DEVELOPMENT • CONSTRUCTION • BROKERAGE • CONSULTING
4605 DOVETAIL DRIVE MADISON, WI 53704
PHONE 608.249.2012 FAX 608.249.2032

WYSER ENGINEERING
608.843.3388
www.wyserengineering.com

PROPOSED WYOMING PROJECT

PROPOSED BUILDING - WEST
OF FUTURE GALLEON RUN
4800 VOGES RD.
MADISON, WISCONSIN 53718

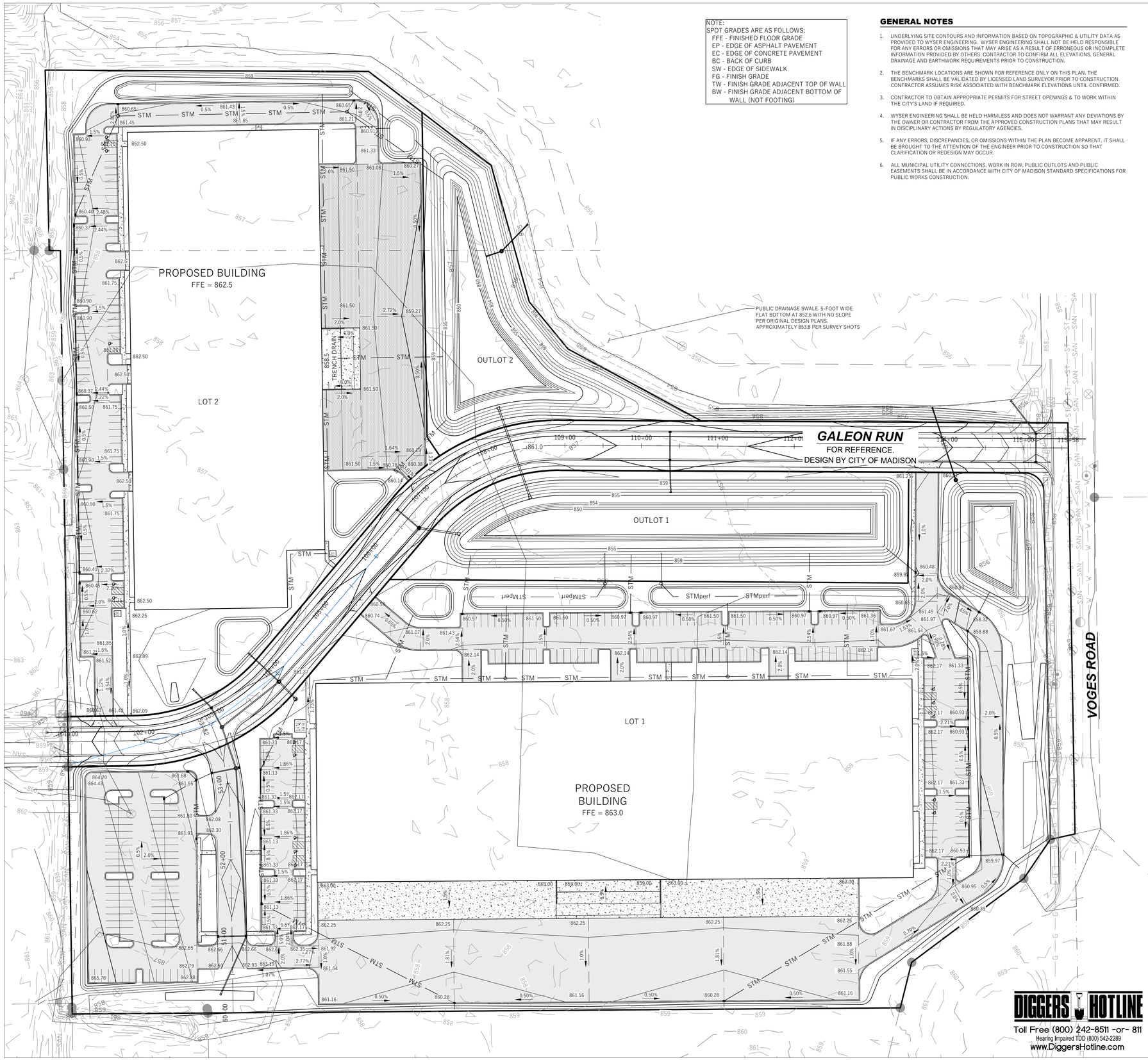
NO.	REVISION:	DATE:

SHEET TITLE:
SITE PLAN - LOT 1

JOB NUMBER:	19032
DESIGNED BY:	DOS/AJW
DRAWN BY:	DOS/AJW
CHECKED BY:	-
DATE:	01.12.2021

SHEET NO:

C1.0



NOTE:
SPOT GRADES ARE AS FOLLOWS:
FFE - FINISHED FLOOR GRADE
EP - EDGE OF ASPHALT PAVEMENT
EC - EDGE OF CONCRETE PAVEMENT
BC - BACK OF CURB
SW - EDGE OF SIDEWALK
FG - FINISH GRADE
TW - FINISH GRADE ADJACENT TOP OF WALL
BW - FINISH GRADE ADJACENT BOTTOM OF WALL (NOT FOOTING)

GENERAL NOTES

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6. ALL MUNICIPAL UTILITY CONNECTIONS, WORK IN ROW, PUBLIC OUTLOTS AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

LEGEND (PROPOSED)

- PROPERTY BOUNDARY
- EASEMENT
- BUILDING FOOTPRINT
- 18" CURB AND GUTTER
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- 1180 — PROPOSED MAJOR CONTOUR
- 1181 — PROPOSED MINOR CONTOUR
- STM — PROPOSED STORM SEWER
- SILT FENCE
- INLET PROTECTION
- DITCH CHECK
- 1181.25 EP — SPOT GRADE
- DRAINAGE GRADE BREAK
- 1.0% — DRAINAGE ARROW

NORTH

1"=60' ON 24'X36'
NTS ON 11'X17'

CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS

1. POST WDNR CERTIFICATE OF PERMIT COVERAGE AND MUNICIPAL EROSION CONTROL PERMITS ON SITE AND MAINTAIN UNTIL CONSTRUCTION ACTIVITIES HAVE CEASED, THE SITE IS STABILIZED, AND A NOTICE OF TERMINATION IS FILED WITH WDNR.
2. KEEP A COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THE DURATION OF THE PROJECT.
3. ENGINEER / CITY OF MADISON / WDNR HAS THE RIGHT TO REQUIRE CONTRACTOR TO IMPLEMENT ADDITIONAL EROSION CONTROL MEASURES AS NECESSARY. CONTRACTOR MUST NOTIFY THE CITY OF MADISON BUILDING INSPECTOR TO SCHEDULE AN ON SITE MEETING A MINIMUM OF TWO (2) WORKING DAYS IN ADVANCE OF ANY SOIL DISTURBANCE ACTIVITIES.
4. SUBMIT PLAN REVISIONS OR AMENDMENTS TO THE WDNR AT LEAST 5 DAYS PRIOR TO FIELD IMPLEMENTATION.
5. THE SITE CONTRACTOR IS RESPONSIBLE FOR ROUTINE SITE INSPECTIONS AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. KEEP INSPECTION REPORTS ON-SITE AND MAKE THEM AVAILABLE UPON REQUEST.
6. INSPECT AND MAINTAIN ALL INSTALLED EROSION CONTROL PRACTICES UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
7. WHEN POSSIBLE: PRESERVE EXISTING VEGETATION (ESPECIALLY ADJACENT TO SURFACE WATERS), MINIMIZE LAND-DISTURBING CONSTRUCTION ACTIVITY ON SLOPES OF 20% OR MORE, MINIMIZE SOIL COMPACTION, AND PRESERVE TOPSOIL.
8. REFER TO THE WDNR STORMWATER CONSTRUCTION TECHNICAL STANDARDS AT http://dnr.wi.gov/topic/stormwater/standards/const_standards.html.
9. INSTALL PERIMETER EROSION CONTROLS AND ROCK TRACKING PAD CONSTRUCTION ENTRANCE(S) PRIOR TO ANY LAND-DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING. USE WDNR TECHNICAL STANDARD STONE TRACKING PAD AND TIRE WASHING #1057 FOR ROCK CONSTRUCTION ENTRANCE(S).
10. INSTALL INLET PROTECTION PRIOR TO LAND-DISTURBING ACTIVITIES IN THE CONTRIBUTING DRAINAGE AREA AND/OR IMMEDIATELY UPON INLET INSTALLATION. COMPLY WITH WDNR TECHNICAL STANDARD STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITES #1060 AND DANE COUNTY REQUIREMENTS FOR FRAMED INLET PROTECTION.
11. CONTRACTOR TO PROVIDE SOLID LID OR METAL PLATE ON ALL OPEN MANHOLES DURING CONSTRUCTION TO MINIMIZE SEDIMENT FROM ENTERING THE STORM SEWER SYSTEM.
12. STAGE CONSTRUCTION GRADING ACTIVITIES TO MINIMIZE THE CUMULATIVE EXPOSED AREA. CONDUCT TEMPORARY GRADING FOR EROSION CONTROL PER WDNR TECHNICAL STANDARD TEMPORARY GRADING PRACTICES FOR EROSION CONTROL #1067.
13. PERMITTING OF GROUNDWATER DEWATERING IS THE RESPONSIBILITY OF THE CONTRACTOR. GROUNDWATER DEWATERING IS SUBJECT TO A DNR WASTEWATER DISCHARGE PERMIT AND A DNR HIGH CAPACITY WELL APPROVAL IF CUMULATIVE PUMP CAPACITY IS 70 GPM OR MORE.
14. PROVIDE ANTI-SCOUR PROTECTION AND MAINTAIN NON-EROSIVE FLOW DURING DEWATERING. PERFORM DEWATERING OF ACCUMULATED SURFACE RUNOFF IN ACCORDANCE WITH WDNR TECHNICAL STANDARD DE-WATERING #1061.
15. COMPLETE AND STABILIZE SEDIMENT BASINS/TRAPS OR WET PONDS PRIOR TO MASS LAND DISTURBANCE TO CONTROL RUNOFF DURING CONSTRUCTION. REMOVE SEDIMENT AS NEEDED TO MAINTAIN 3 FEET OF DEPTH TO THE OUTLET, AND PROPERLY DISPOSE OF SEDIMENT REMOVED DURING MAINTENANCE (REFER TO NR 528). CONSTRUCT AND MAINTAIN THE SEDIMENT BASIN PER WDNR TECHNICAL STANDARD SEDIMENT BASIN #1064 AND SEDIMENT TRAP # 1063.
16. CONSTRUCT AND PROTECT THE BIOINFILTRATION BASIN AND VEGETATION FROM RUNOFF AND SEDIMENT DURING CONSTRUCTION. REFERENCE THE WDNR TECHNICAL STANDARD BIORETENTION FOR INFILTRATION # 1004.
17. INSTALL AND MAINTAIN SILT FENCING PER WDNR TECHNICAL STANDARD SILT FENCE #1056. REMOVE SEDIMENT FROM BEHIND SILT FENCES AND SEDIMENT BARRIERS BEFORE SEDIMENT REACHES A DEPTH THAT IS EQUAL TO ONE-HALF OF THE FENCE AND/OR BARRIER HEIGHT.
18. REPAIR BREAKS AND GAPS IN SILT FENCES AND BARRIERS IMMEDIATELY. REPLACE DECOMPOSING STRAW BALES (TYPICAL BALE LIFE IS 3 MONTHS). LOCATE, INSTALL, AND MAINTAIN STRAW BALES PER WDNR TECHNICAL STANDARD DITCH CHECKS #1062.
19. INSTALL AND MAINTAIN FILTER SOCKS IN ACCORDANCE WITH WDNR TECHNICAL STANDARD INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS # 1071.
20. IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES AS NEEDED WITH SILT FENCE OR OTHER PERIMETER CONTROL IF STOCKPILES WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.
21. IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER. BETWEEN SEPTEMBER 15 AND OCTOBER 15: STABILIZE WITH MULCH, TACKIFIER, AND A PERENNIAL SEED MIXED WITH WINTER WHEAT, ANNUAL OATS, OR ANNUAL RYE, AS APPROPRIATE FOR REGION AND SOIL TYPE. OCTOBER 15 THROUGH COLD WEATHER: STABILIZE WITH A POLYMER AND DORMANT SEED MIX, AS APPROPRIATE FOR REGION AND SOIL TYPE.
22. STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE.
23. SWEEP/CLEAN UP ALL SEDIMENT/TRASH THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS BEFORE THE END OF THE SAME WORKDAY OR AS DIRECTED BY THE AUTHORITIES WITH JURISDICTION. SEPARATE SWEPT MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.
24. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER WDNR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES # 1068.
25. PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, OR OTHER CONSTRUCTION MATERIALS) AND DO NOT ALLOW THESE MATERIALS TO BE CARRIED BY RUNOFF INTO THE RECEIVING CHANNEL.
26. COORDINATE WITH THE AUTHORITIES WITH JURISDICTION TO UPDATE THE LAND DISTURBANCE PERMIT TO INDICATE THE ANTICIPATED OR LIKELY DISPOSAL LOCATIONS FOR ANY EXCAVATED SOILS OR CONSTRUCTION DEBRIS THAT WILL BE HAULED OFF-SITE FOR DISPOSAL. THE DEPOSITED OR STOCKPILED MATERIAL NEEDS TO INCLUDE PERIMETER SEDIMENT CONTROL MEASURES (SUCH AS SILT FENCE, HAY BALES, FILTER SOCKS, OR COMPACTED EARTHEN BERMS).
27. FOR NON-CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES, PROVIDE CLASS I TYPE B EROSION CONTROL MATTING. INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD NON-CHANNEL EROSION MAT #1052.
28. FOR CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED AREAS, PROVIDE CLASS II TYPE B EROSION CONTROL MATTING UNLESS OTHERWISE SPECIFIED ON THE PLAN. INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD CHANNEL EROSION MAT #1053.
29. MAKE PROVISIONS FOR WATERING DURING THE FIRST 8 WEEKS FOLLOWING SEEDING OR PLANTING OF DISTURBED AREAS WHENEVER MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR.
30. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE WDNR REMEDIATION AND WASTE MANAGEMENT REQUIREMENTS FOR HANDLING AND DISPOSING OF CONTAMINATED MATERIALS. SITE-SPECIFIC INFORMATION FOR AREAS WITH KNOWN OR SUSPECTED SOIL AND/OR GROUNDWATER CONTAMINATION CAN BE FOUND ON WDNR'S BUREAU OF REMEDIATION AND REDEVELOPMENT RACKING SYSTEM (BRRTS) PUBLIC DATABASE AT: http://dnr.wi.gov/botw/
31. INSTALL AND MAINTAIN A CONCRETE WASHOUT BASIN PER EPA 833-F-11-006: https://www3.epa.gov/npdes/pubs/concretewashout.pdf. REQUIRE USE BY ALL CONCRETE CONTRACTORS. LIQUID MAY BE REUSED IN CONCRETE MIXING, EVAPORATED, OR DISPOSED OF AS WASTEWATER.

GRADING, SEEDING & RESTORATION NOTES

1. ALL GRADES SHOWN ARE FINAL FINISHED SURFACE GRADES.
2. AREAS TO BE SEEDED SHALL HAVE A MINIMUM 6 INCHES TOPSOIL UNLESS OTHERWISE NOTED.
3. AREAS NOT RESTORED WITH EROSION MATTING OR OTHER STABILIZATION MEASURES SHALL BE STABILIZED WITH MULCH.
4. APPLY ANIONIC POLYMER TO DISTURBED AREAS IF EROSION BECOMES PROBLEMATIC.
5. CONTRACTOR SHALL CHISEL-PLOW OR DEEP TILL WITH DOUBLE TINES THE STORMWATER MANAGEMENT FACILITY JUST PRIOR TO SEEDING AND MULCHING TO PROMOTE INFILTRATION.
6. MULCH SHALL BE WEED-FREE STRAW AND SHALL BE INSTALLED AT THE RATE OF 2 TONS PER ACRE PER SECTION 627 OF "STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION" (WISDOT 2014)
7. PERMANENT SEEDING SHALL NOT OCCUR BETWEEN SEPTEMBER 15TH AND APRIL 15TH. ALTERNATE SEEDING/PLANTING METHODS AND/OR EROSION PROTECTION MAY BE NECESSARY FOR SEEDING/PLANTING THAT OCCURS DURING THAT TIME. COORDINATE WITH THE OWNER AS NECESSARY.
8. TEMPORARY STABILIZATION SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING OPTIONS:
   a. TEMPORARY SEEDING CONSISTING OF ANNUAL RYE GRASS APPLIED AT A RATE OF 1.5 LBS PER 1000 SQUARE FEET,
   b. WISDOT PAL CLASS I TYPE B URBAN EROSION CONTROL MAT.

DIGGERS HOTLINE
Toll Free (800) 242-8511 -or- 811
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

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WYSER ENGINEERING
608.843.3388
www.wyserengineering.com

PROPOSED WYOMING PROJECT

PROPOSED BUILDING - WEST
OF FUTURE GALEON RUN
4800 VOGES RD.
MADISON, WISCONSIN 53718

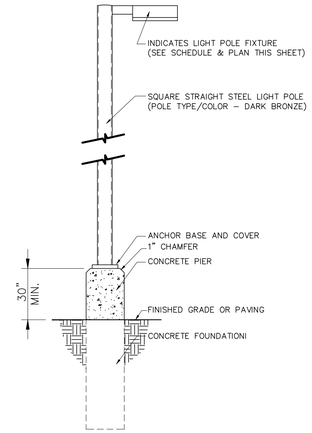
NO.	REVISION:	DATE:

SHEET TITLE:
GRADING & EROSION CONTROL PLAN

JOB NUMBER:	19032
DESIGNED BY:	DOS/AJW
DRAWN BY:	DOS/AJW
CHECKED BY:	-
DATE:	01.12.2021

SHEET NO:
C2.0

File: W:\2019\190657_Ruedebusch - Voges RD\DWG\19-0657_Civil Design.dwg Layout: Grading Plan User: Admin Plotted: Jan 13, 2021 - 9:59am



LIGHT POLE ELEVATION

SCALE: NTS

Schedule

Symbol	Label	Image	QTY	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens per Lamp	Lumen Multiplier	LLF	Wattage	Efficiency	Distribution	Polar Plot	Notes
	A		14	Lithonia Lighting	KAD LED 60C 700 50K R4 MVOLT HS	KAD LED, 60 LED, 700mA MVOLT DRIVER, 5000K, TYPE 4 OPTICS WITH HOUSE SIDE SHIELDS		1	KAD_LED_60C_700_50K_R4_MVOLT_HS.ies	12586	1	1	137	100%	TYPE III, SHORT, BUG RATING: B2 - U0 - G3		
	B		6	Lithonia Lighting	KAD LED 60C 700 50K R4 MVOLT HS	KAD LED, 60 LED, 700mA MVOLT DRIVER, 5000K, TYPE 4 OPTICS WITH HOUSE SIDE SHIELDS		1	KAD_LED_60C_700_50K_R4_MVOLT_HS.ies	12586	1	1	274	100%	TYPE III, SHORT, BUG RATING: B2 - U0 - G3		
	C		9	Lithonia Lighting	TWH LED 20C 1000 50K T3M MVOLT	TWH LED WITH 20 LEDs, @1000mA, 5000K AND TYPE 3 MEDIUM OPTICS	LED	1	TWH_LED_20C_1000_50K_T3M_MVOLT.ies	7027	1	1	72	100%	TYPE IV, MEDIUM, BUG RATING: B1 - U3 - G4		
	D		16	Lithonia Lighting	TWH LED 10C 1000 50K T3M MVOLT	TWH LED WITH 10 LEDs, @1000mA, 5000K AND TYPE 3 MEDIUM OPTICS	LED	1	TWH_LED_10C_1000_50K_T3M_MVOLT.ies	3398	1	1	39	100%	TYPE IV, MEDIUM, BUG RATING: B0 - U3 - G3		
	E		10	Lithonia Lighting	DSXB LED 12C 700 30K ASY	D-SERIES BOLLARD WITH 12 3000K LEDS OPERATED AT 700mA AND ASYMMETRIC DISTRIBUTION	LED	1	DSXB_LED_12C_700_30K_ASY.ies	2173	1	1	31	100%	TYPE IV, SHORT, BUG RATING: B1 - U0 - G1		
	F		21	Lithonia Lighting	OLCFM 15 DDB	GENERAL PURPOSE LED CAST FLUSH MOUNT WITH DARK BRONZE FINISH	LED	1	OLCFM_15_DDB.ies	1042	1	1	16.6	100%	DIRECT, SC-0=1.19, SC-90=1.18		

Statistics

Description	Symbol	Avg	Max	Min	Max/Min
Calc Zone Building #1	+	0.7 fc	9.1 fc	0.0 fc	N/A

N

SITE LIGHTING PLAN @ GRADE

SL1.1 SCALE 1" = 50'

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WYOMING PROJECT

BUILDING # I
WEST OF FUTURE GALLEON RUN
4800 VOGES ROAD
MADISON, WISCONSIN 53718

NO.	REVISION:	DATE:

SHEET TITLE:
SITE LIGHTING PLAN @ GRADE

JOB NUMBER:	19032
DESIGNED BY:	TC
DRAWN BY:	TC
CHECKED BY:	CHK
DATE:	01.12.2021

SHEET NO:

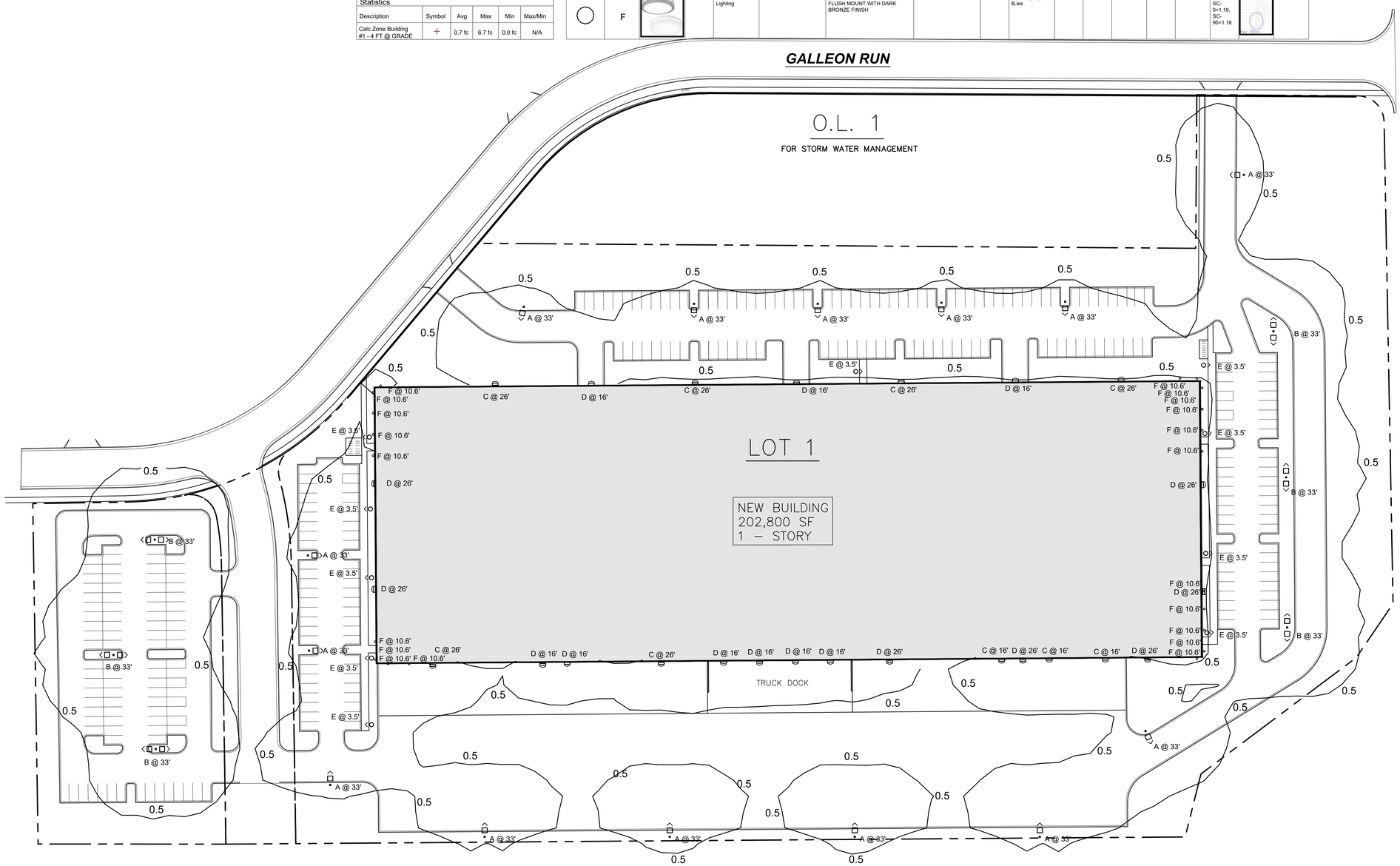
SL1.1

Schedule

Symbol	Label	Image	QTY	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens per Lamp	Lumen Multiplier	LLF	Wattage	Efficiency	Distribution	Polar Plot	Notes
	A		14	Lithonia Lighting	KAD LED 60C 700 50K R4 MVOLT HS	KAD LED, 60 LED, 700mA MVOLT DRIVER, 5000K, TYPE 4 OPTICS WITH HOUSE SIDE SHIELDS		1	KAD_LED_60C_700_50K_R4_MVOLT_HS.ies	12586	1	1	137	100%	TYPE III, SHORT, BUG RATING: B2 - U0 - G3		
	B		6	Lithonia Lighting	KAD LED 60C 700 50K R4 MVOLT HS	KAD LED, 60 LED, 700mA MVOLT DRIVER, 5000K, TYPE 4 OPTICS WITH HOUSE SIDE SHIELDS		1	KAD_LED_60C_700_50K_R4_MVOLT_HS.ies	12586	1	1	274	100%	TYPE III, SHORT, BUG RATING: B2 - U0 - G3		
	C		9	Lithonia Lighting	TWH LED 20C 1000 50K T3M MVOLT	TWH LED WITH 20 LEDs, @1000mA, 5000K AND TYPE 3 MEDIUM OPTICS	LED	1	TWH_LED_20C_1000_50K_T3M_MVOLT.ies	7027	1	1	72	100%	TYPE IV, MEDIUM, BUG RATING: B1 - U3 - G4		
	D		16	Lithonia Lighting	TWH LED 10C 1000 50K T3M MVOLT	TWH LED WITH 10 LEDs, @1000mA, 5000K AND TYPE 3 MEDIUM OPTICS	LED	1	TWH_LED_10C_1000_50K_T3M_MVOLT.ies	3398	1	1	39	100%	TYPE IV, MEDIUM, BUG RATING: B0 - U3 - G3		
	E		10	Lithonia Lighting	DSXB LED 12C 700 30K ASY	D-SERIES BOLLARD WITH 12 3000K LEDS OPERATED AT 700mA AND ASYMMETRIC DISTRIBUTION	LED	1	DSXB_LED_12C_700_30K_ASY.ies	2173	1	1	31	100%	TYPE IV, SHORT, BUG RATING: B1 - U0 - G1		
	F		21	Lithonia Lighting	OLCFM 15 DDB	GENERAL PURPOSE LED CAST FLUSH MOUNT WITH DARK BRONZE FINISH	LED	1	OLCFM_15_DDB.ies	1042	1	1	16.6	100%	DIRECT, SC-0=1.19, SC-90=1.18		

Statistics

Description	Symbol	Avg	Max	Min	Max/Min
Calc Zone Building #1 - 4 FT @ GRADE	+	0.7 fc	6.7 fc	0.0 fc	N/A



N — 1 SL1.2 SITE LIGHTING PLAN – 4 FT @ GRADE
SCALE 1" = 50'

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4605 DOVETAIL DRIVE MADISON, WI 53704
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WYOMING PROJECT

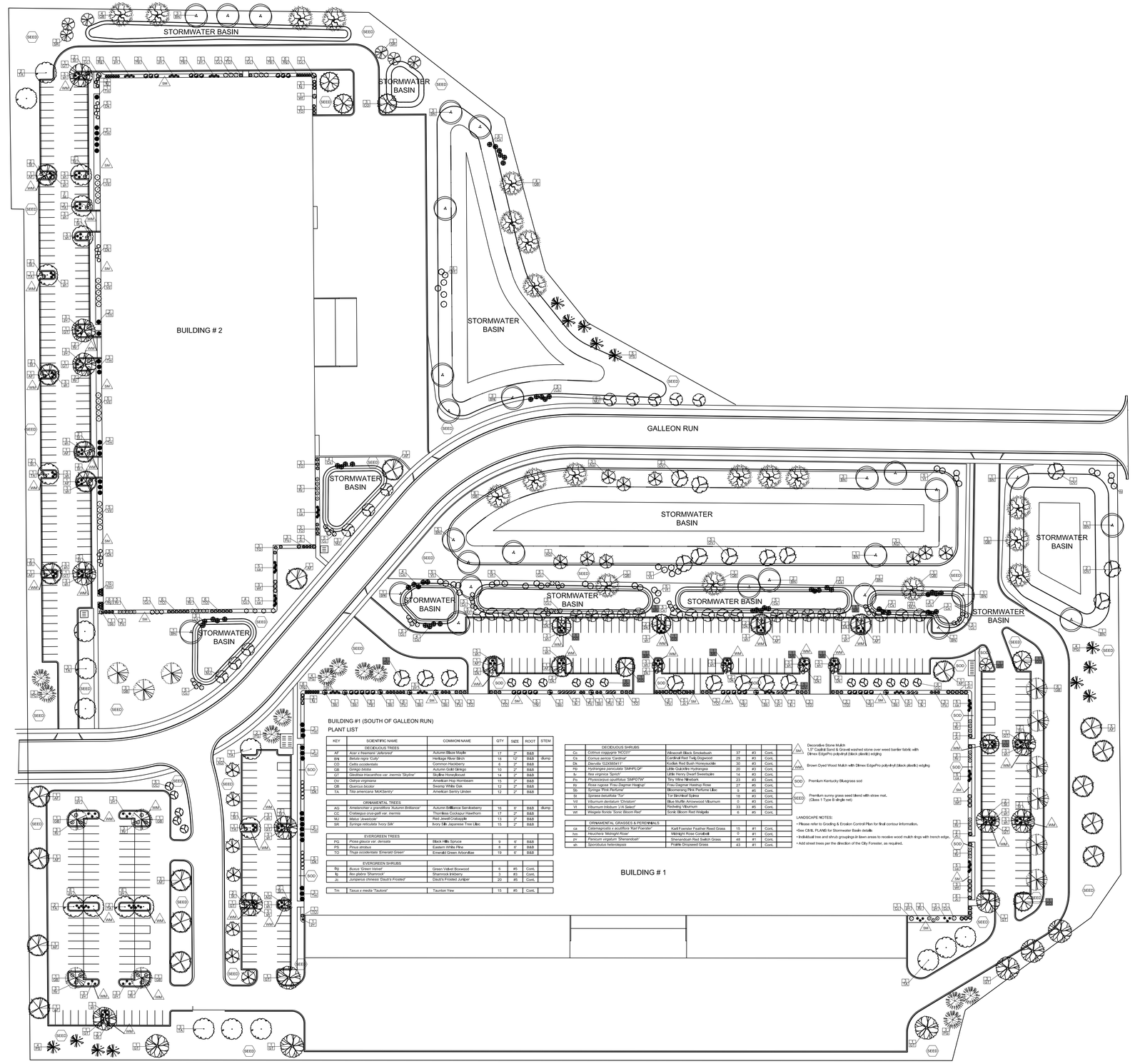
BUILDING # 1
WEST OF FUTURE GALLEON RUN
4800 VOGES ROAD
MADISON, WISCONSIN 53718

NO.	REVISION:	DATE:

SHEET TITLE:
SITE LIGHTING PLAN - 4 FT @ GRADE

JOB NUMBER:	19032
DESIGNED BY:	TC
DRAWN BY:	TC
CHECKED BY:	CHK
DATE:	01.12.2021

SHEET NO:
SL1.2



BUILDING #2 (NORTH OF GALLEON RUN)
PLANT LIST

KEY	SCIENTIFIC NAME	COMMON NAME	QTY	SIZE	ROOT	STEM
	DECIDUOUS TREES					
AF	*Acer x freemanii 'Jeffersred'*	Autumn Blaze Maple	7	2"	B&B	
BN	*Betula nigra 'Cully'*	Heritage River Birch	10	12'	B&B	clump
CO	*Celtis occidentalis*	Common Hackberry	3	2"	B&B	
GB	*Ginkgo biloba*	Autumn Gold Ginkgo	3	2"	B&B	
GT	*Gleditsia triacanthos var. inermis 'Skyline'*	Skyline Honeylocust	4	2"	B&B	
OV	*Ostrya virginiana*	American Hop Hornbeam	0	2"	B&B	
QB	*Quercus bicolor*	Swamp White Oak	8	2"	B&B	
TA	*Tilia americana 'McKSentry'*	American Sentry Linden	10	2"	B&B	
	ORNAMENTAL TREES					
AG	*Amelanchier x grandiflora 'Autumn Brilliance'*	Autumn Brilliance Serviceberry	0	6'	B&B	clump
CC	*Crataegus crus-galli var. inermis*	Thornless Cockspur Hawthorn	0	2"	B&B	
MJ	*Malus 'Jewelcole'*	Red Jewel Crabapple	11	2"	B&B	
SR	*Syringa reticulata 'Ivory Silk'*	Ivory Silk Japanese Tree Lilac	6	2"	B&B	
	EVERGREEN TREES					
PG	*Picea glauca var. densata*	Black Hills Spruce	2	8'	B&B	
PS	*Pinus strobus*	Eastern White Pine	5	6'	B&B	
TO	*Thuja occidentalis 'Emerald Green'*	Emerald Green Arborvitae	24	6'	B&B	
	EVERGREEN SHRUBS					
Bg	*Buxus 'Green Velvet'*	Green Velvet Boxwood	18	#5	Cont.	
Ilg	*Ilex glabra 'Shamrock'*	Shamrock Inkberry	6	#3	Cont.	
Js	*Juniperus chinensis 'Daub's Frosted'*	Daub's Frosted Juniper	2	#5	Cont.	
Tm	*Taxus x media 'Taunton'*	Taunton Yew	17	#5	Cont.	
	DECIDUOUS SHRUBS					
Cc	*Cotinus coggygria 'NCCO1'*	Winecraft Black Smokebush	25	#3	Cont.	
Cs	*Cornus sericea 'Cardinal'*	Cardinal Red Twig Dogwood	20	#3	Cont.	
Dk	*Diervilla 'IZ2X885411'*	Kodiak Red Bush Honeysuckle	15	#3	Cont.	
Hp	*Hydrangea paniculata 'SMHPLGF'*	Little Quickfire Hydrangea	9	#3	Cont.	
Iv	*Ilex virginica 'Sprich'*	Little Henry Dwarf Sweetspire	0	#3	Cont.	
Po	*Physocarpus opulifolius 'SMPOTW'*	Tiny Wine Ninebark	6	#3	Cont.	
Ry	*Rosa rugosa 'Frau Dagmar Hastrup'*	Frau Dagmar Hastrup Rose	19	#5	Cont.	
Sb	*Syringa 'Pink Perfume'*	Blloomerang Pink Perfume Lilac	1	#5	Cont.	
St	*Spiraea betulifolia 'Tor'*	Tor Birchleaf Spirea	24	#3	Cont.	
Vd	*Viburnum dentatum 'Christom'*	Blue Muffin Arrowwood Viburnum	8	#3	Cont.	
Vt	*Viburnum trilobum 'J N Select'*	Redwing Viburnum	4	#5	Cont.	
Ww	*Weigela florida 'Sonic Bloom Red Weigela*	Sonic Bloom Red Weigela	4	#5	Cont.	
	ORNAMENTAL GRASSES & PERENNIALS					
ca	*Calamagrostis x acutiflora 'Karl Foerster'*	Karl Foerster Feather Reed Grass	15	#1	Cont.	
hm	*Heuchera 'Midnight Rose'*	Midnight Rose Coralbell	10	#1	Cont.	
pv	*Panicum virgatum 'Shenandoah'*	Shenandoah Red Switch Grass	21	#1	Cont.	
sh	*Sporobolus heterolepsis*	Prairie Dropseed Grass	36	#1	Cont.	

Decorative Stone Mulch
1.5" Cadillal Sand & Gravel washed stone over weed barrier fabric with Dimex EdgePro polyvinyl (black plastic) edging

Brown Dyed Wood Mulch with Dimex EdgePro polyvinyl (black plastic) edging

Premium Kentucky Bluegrass sod

Premium sunny grass seed blend with straw mat, (Class 1 Type B single net)

LANDSCAPE NOTES:
- Please refer to Grading & Erosion Control Plan for final contour information.
- See CIVIL PLANS for Stormwater Basin details.
- Individual tree and shrub groupings in lawn areas to receive wood mulch rings with trench edge.
- Add street trees per the direction of the City Forester, as required.

BUILDING #1 (SOUTH OF GALLEON RUN)
PLANT LIST

KEY	SCIENTIFIC NAME	COMMON NAME	QTY	SIZE	ROOT	STEM
	DECIDUOUS TREES					
AF	*Acer x freemanii 'Jeffersred'*	Autumn Blaze Maple	17	2"	B&B	
BN	*Betula nigra 'Cully'*	Heritage River Birch	18	12'	B&B	clump
CO	*Celtis occidentalis*	Common Hackberry	8	2"	B&B	
GB	*Ginkgo biloba*	Autumn Gold Ginkgo	10	2"	B&B	
GT	*Gleditsia triacanthos var. inermis 'Skyline'*	Skyline Honeylocust	14	2"	B&B	
OV	*Ostrya virginiana*	American Hop Hornbeam	15	2"	B&B	
QB	*Quercus bicolor*	Swamp White Oak	12	2"	B&B	
TA	*Tilia americana 'McKSentry'*	American Sentry Linden	12	2"	B&B	
	ORNAMENTAL TREES					
AG	*Amelanchier x grandiflora 'Autumn Brilliance'*	Autumn Brilliance Serviceberry	16	6'	B&B	clump
CC	*Crataegus crus-galli var. inermis*	Thornless Cockspur Hawthorn	17	2"	B&B	
MJ	*Malus 'Jewelcole'*	Red Jewel Crabapple	13	2"	B&B	
SR	*Syringa reticulata 'Ivory Silk'*	Ivory Silk Japanese Tree Lilac	15	2"	B&B	
	EVERGREEN TREES					
PG	*Picea glauca var. densata*	Black Hills Spruce	9	6'	B&B	
PS	*Pinus strobus*	Eastern White Pine	8	6'	B&B	
TO	*Thuja occidentalis 'Emerald Green'*	Emerald Green Arborvitae	19	6'	B&B	
	EVERGREEN SHRUBS					
Bg	*Buxus 'Green Velvet'*	Green Velvet Boxwood	6	#5	Cont.	
Ilg	*Ilex glabra 'Shamrock'*	Shamrock Inkberry	3	#3	Cont.	
Js	*Juniperus chinensis 'Daub's Frosted'*	Daub's Frosted Juniper	20	#5	Cont.	
Tm	*Taxus x media 'Taunton'*	Taunton Yew	15	#5	Cont.	
	DECIDUOUS SHRUBS					
Cc	*Cotinus coggygria 'NCCO1'*	Winecraft Black Smokebush	37	#3	Cont.	
Cs	*Cornus sericea 'Cardinal'*	Cardinal Red Twig Dogwood	29	#3	Cont.	
Dk	*Diervilla 'IZ2X885411'*	Kodiak Red Bush Honeysuckle	30	#3	Cont.	
Hp	*Hydrangea paniculata 'SMHPLGF'*	Little Quickfire Hydrangea	20	#3	Cont.	
Iv	*Ilex virginica 'Sprich'*	Little Henry Dwarf Sweetspire	14	#3	Cont.	
Po	*Physocarpus opulifolius 'SMPOTW'*	Tiny Wine Ninebark	23	#3	Cont.	
Ry	*Rosa rugosa 'Frau Dagmar Hastrup'*	Frau Dagmar Hastrup Rose	27	#5	Cont.	
Sb	*Syringa 'Pink Perfume'*	Blloomerang Pink Perfume Lilac	9	#5	Cont.	
St	*Spiraea betulifolia 'Tor'*	Tor Birchleaf Spirea	16	#3	Cont.	
Vd	*Viburnum dentatum 'Christom'*	Blue Muffin Arrowwood Viburnum	0	#3	Cont.	
Vt	*Viburnum trilobum 'J N Select'*	Redwing Viburnum	33	#5	Cont.	
Ww	*Weigela florida 'Sonic Bloom Red'*	Sonic Bloom Red Weigela	6	#5	Cont.	
	ORNAMENTAL GRASSES & PERENNIALS					
ca	*Calamagrostis x acutiflora 'Karl Foerster'*	Karl Foerster Feather Reed Grass	15	#1	Cont.	
hm	*Heuchera 'Midnight Rose'*	Midnight Rose Coralbell	0	#1	Cont.	
pv	*Panicum virgatum 'Shenandoah'*	Shenandoah Red Switch Grass	48	#1	Cont.	
sh	*Sporobolus heterolepsis*	Prairie Dropseed Grass	43	#1	Cont.	

BUILDING # 1

Decorative Stone Mulch
1.5" Cadillal Sand & Gravel washed stone over weed barrier fabric with Dimex EdgePro polyvinyl (black plastic) edging

Brown Dyed Wood Mulch with Dimex EdgePro polyvinyl (black plastic) edging

Premium Kentucky Bluegrass sod

Premium sunny grass seed blend with straw mat, (Class 1 Type B single net)

LANDSCAPE NOTES:
- Please refer to Grading & Erosion Control Plan for final contour information.
- See CIVIL PLANS for Stormwater Basin details.
- Individual tree and shrub groupings in lawn areas to receive wood mulch rings with trench edge.
- Add street trees per the direction of the City Forester, as required.

OLSON TOON LANDSCAPING INC
3570 Pioneer Road
Verona, WI 53593
PH: (608) 827-9401
FAX: (608) 827-9402
WEB: www.olsontoon.com

WYOMING PROJECT

4800 VOGES ROAD
MADISON, WISCONSIN 53718

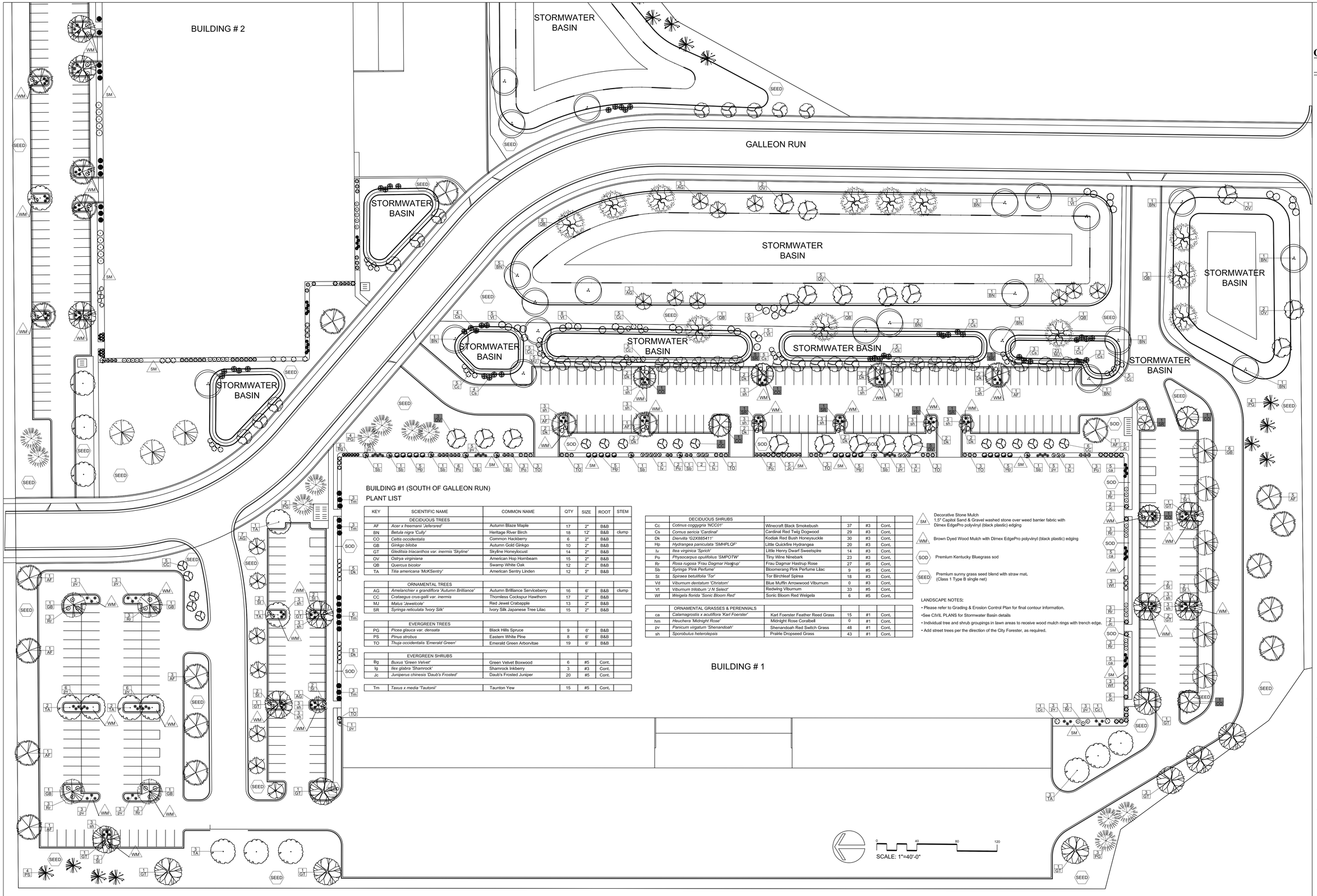
Date: 01/12/2021
Scale: 1" = 60'-0"
Designer: kms
Job #

Seal:
To protect against legal liability, the plans presented herein are "schematic," and should not be outsourced as "biddable" or "construction documents" unless approved by the Landscape Designer. This is not an original document unless stamped in red, as ORIGINAL.

Revisions:

L100

Reference Name:



BUILDING #1 (SOUTH OF GALLEON RUN)

PLANT LIST

KEY	SCIENTIFIC NAME	COMMON NAME	QTY	SIZE	ROOT	STEM
	DECIDUOUS TREES					
AF	*Acer x freemanii 'Jeffersred'*	Autumn Blaze Maple	17	2"	B&B	
BN	*Betula nigra 'Cully'*	Heritage River Birch	16	12'	B&B	clump
CO	*Celtis occidentalis*	Common Hackberry	6	2"	B&B	
GB	*Ginkgo biloba*	Autumn Gold Ginkgo	10	2"	B&B	
GT	*Gleditsia triacanthos var. inermis 'Skyline'*	Skyline Honeylocust	14	2"	B&B	
OV	*Ostrya virginiana*	American Hop Hornbeam	15	2"	B&B	
QB	*Quercus bicolor*	Swamp White Oak	12	2"	B&B	
TA	*Tilia americana 'McKSentry'*	American Sentry Linden	12	2"	B&B	
	ORNAMENTAL TREES					
AG	*Amelanchier x grandiflora 'Autumn Brilliance'*	Autumn Brilliance Serviceberry	16	6'	B&B	clump
CC	*Crataegus crus-galli var. inermis*	Thornless Cockspur Hawthorn	17	2"	B&B	
MJ	*Malus 'Jewelcole'*	Red Jewel Crabapple	13	2"	B&B	
SR	*Syringa reticulata 'Ivory Silk'*	Ivory Silk Japanese Tree Lilac	15	2"	B&B	
	EVERGREEN TREES					
PG	*Picea glauca var. densata*	Black Hills Spruce	9	6'	B&B	
PS	*Pinus strobus*	Eastern White Pine	8	6'	B&B	
TO	*Thuja occidentalis 'Emerald Green'*	Emerald Green Arborvitae	19	6'	B&B	
	EVERGREEN SHRUBS					
Bg	*Buxus 'Green Velvet'*	Green Velvet Boxwood	6	#5	Cont.	
Ig	*Ilex glabra 'Shamrock'*	Shamrock Inkberry	3	#3	Cont.	
Jc	*Juniperus chinesis 'Daub's Frosted'*	Daub's Frosted Juniper	20	#5	Cont.	
Tm	*Taxus x media 'Tautonii'*	Taunton Yew	15	#5	Cont.	

	DECIDUOUS SHRUBS				
Cc	*Cotinus coggygria 'NCCO1'*	Winecraft Black Smokebush	37	#3	Cont.
Cs	*Cornus sericia 'Cardinal'*	Cardinal Red Twig Dogwood	29	#3	Cont.
Dk	*Diervilla 'G2X985411'*	Kodiak Red Bush Honeysuckle	30	#3	Cont.
Hp	*Hydrangea paniculata 'SMHPLQF'*	Little Quickfire Hydrangea	20	#3	Cont.
Iv	*Itea virginica 'Sprich'*	Little Henry Dwarf Sweetspire	14	#3	Cont.
Po	*Physocarpus opulifolius 'SMPOTW'*	Tiny Wine Ninebark	23	#3	Cont.
Rr	*Rosa rugosa 'Frau Dagmar Hastrup'*	Frau Dagmar Hastrup Rose	27	#5	Cont.
Sb	*Syringa 'Pink Perfume'*	Bloomerang Pink Perfume Lilac	9	#5	Cont.
St	*Spiraea betulifolia 'Tor'*	Tor Birchleaf Spirea	18	#3	Cont.
Vd	*Viburnum dentatum 'Christom'*	Blue Muffin Arrowwood Viburnum	0	#3	Cont.
Vt	*Viburnum trilobum 'J N Select'*	Redwing Viburnum	33	#5	Cont.
Wf	*Weigela florida 'Sonic Bloom Red'*	Sonic Bloom Red Weigela	6	#5	Cont.

	ORNAMENTAL GRASSES & PERENNIALS				
ca	*Calamagrostis x acutiflora 'Karl Foerster'*	Karl Foerster Feather Reed Grass	15	#1	Cont.
hm	*Heuchera 'Midnight Rose'*	Midnight Rose Coralbell	0	#1	Cont.
pv	*Panicum virgatum 'Shenandoah'*	Shenandoah Red Switch Grass	48	#1	Cont.
sh	*Sporobulus heterolepsis*	Prairie Dropseed Grass	43	#1	Cont.

SM — Decorative Stone Mulch
1.5" Capitol Sand & Gravel washed stone over weed barrier fabric with Dimex EdgePro polyvinyl (black plastic) edging

WM — Brown Dyed Wood Mulch with Dimex EdgePro polyvinyl (black plastic) edging

SOD — Premium Kentucky Bluegrass sod

SEED — Premium sunny grass seed blend with straw mat. (Class 1 Type B single net)

LANDSCAPE NOTES:

- Please refer to Grading & Erosion Control Plan for final contour information.
- See CIVIL PLANS for Stormwater Basin details
- Individual tree and shrub groupings in lawn areas to receive wood mulch rings with trench edge.
- Add street trees per the direction of the City Forester, as required.

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WYOMING PROJECT

4800 VOGES ROAD
MADISON, WISCONSIN 53718

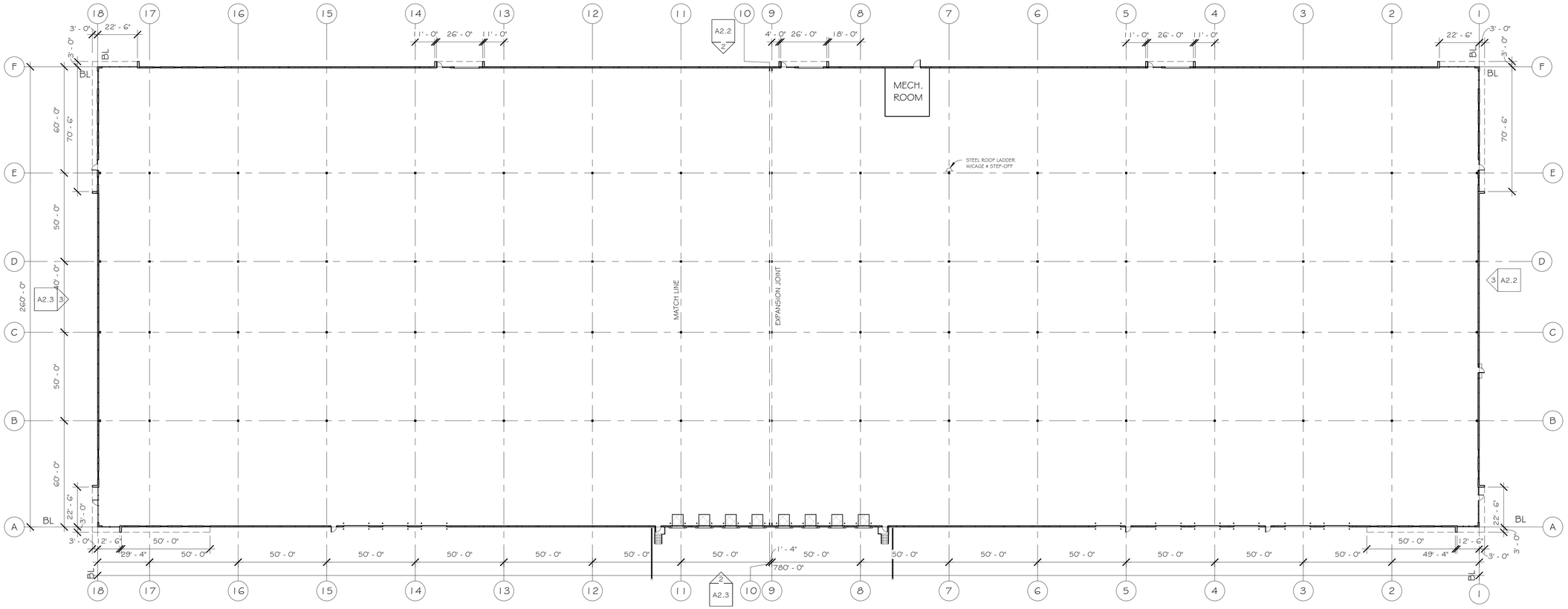
Date: 01/12/2021
Scale: 1" = 40'-0"
Designer: kms
Job #

Seal:
To protect against legal liability, the plans presented herein are "schematic," and should not be outsourced as "biddable" or "construction documents" unless approved by the Landscape Designer. This is not an original document unless stamped in red, as ORIGINAL.

Revisions:

L101

Reference Name:



TOTAL BUILDING = 202,800 S.F.

N

1 / A1.1 FLOOR PLAN

1" = 30'-0"

KEY PLAN

RUEDEBUSCH DEVELOPMENT & CONSTRUCTION
WWW.RUEDEBUSCH.COM
4605 DOVETAIL DRIVE MADISON, WI 53704
PHONE 608.249.2012 FAX 608.249.2032

WYOMING PROJECT

BUILDING #1
WEST OF FUTURE GALLEON RUN
4800 VOGES ROAD
MADISON, WISCONSIN 53718

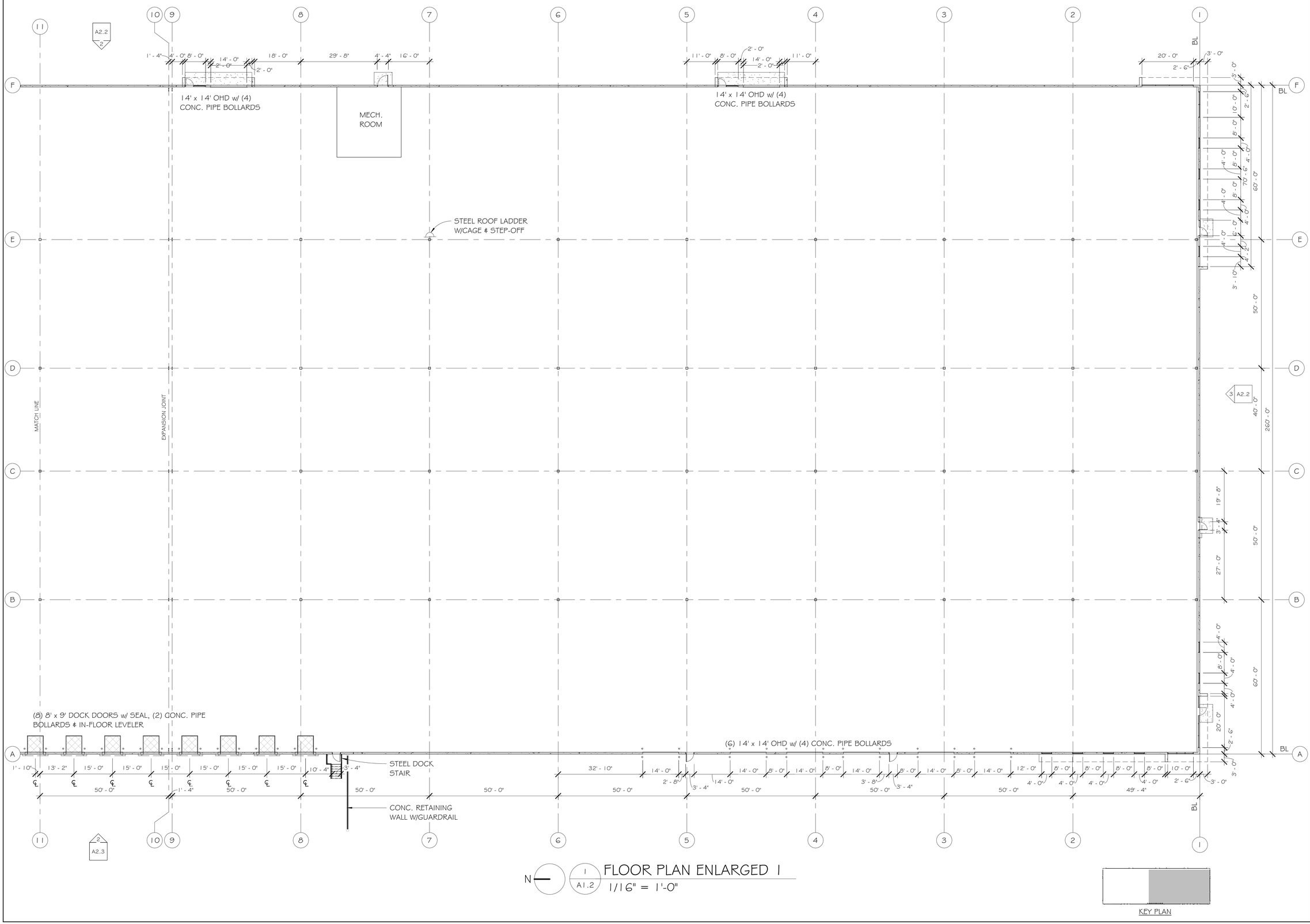
Revision Number	Revision Description	Revision Date	Issued by

SHEET TITLE:
FLOOR PLAN

JOB NUMBER:	19032
DESIGNED BY:	TC
DRAWN BY:	TC
CHECKED BY:	TC
DATE:	1/13/2021

SHEET NO:

A1.1



N

1 / A1.2 FLOOR PLAN ENLARGED 1

1/16" = 1'-0"

KEY PLAN

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WYOMING PROJECT

BUILDING #1
WEST OF FUTURE GALLEON RUN
4800 VOGES ROAD
MADISON, WISCONSIN 53718

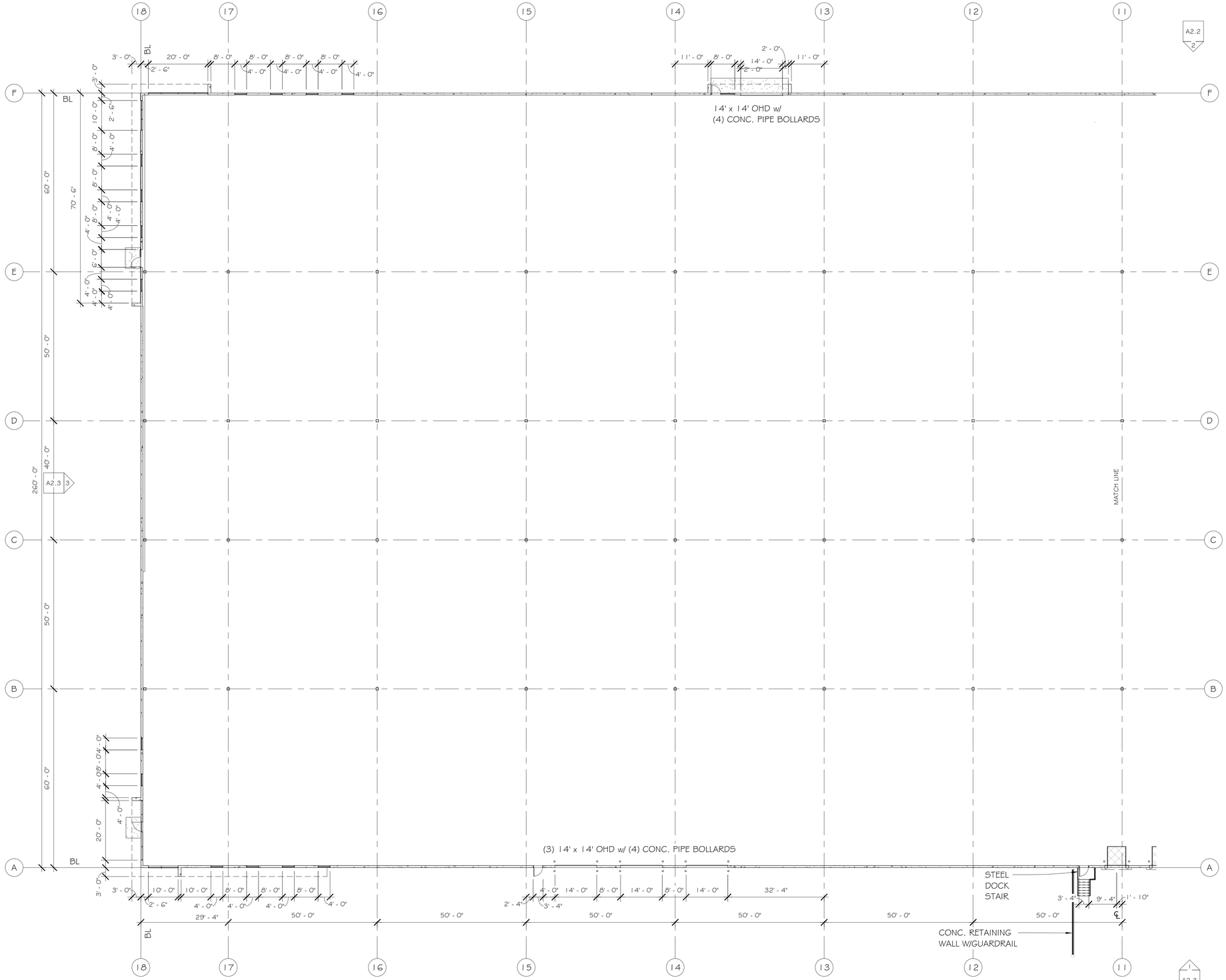
Issued by	Revision Date	Revision Description	Revision Number

SHEET TITLE:
FLOOR PLAN ENLARGED 1

JOB NUMBER:	19032
DESIGNED BY:	TC
DRAWN BY:	TC
CHECKED BY:	TC
DATE:	1/13/2021

SHEET NO:

A1.2



N — 1 / A1.3 FLOOR PLAN ENLARGED 2

1/16" = 1'-0"

KEY PLAN

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PHONE 608.249.2201 FAX 608.249.2032

WYOMING PROJECT

BUILDING #1

WEST OF FUTURE GALLEON RUN

4800 VOGES ROAD

MADISON, WISCONSIN 53718

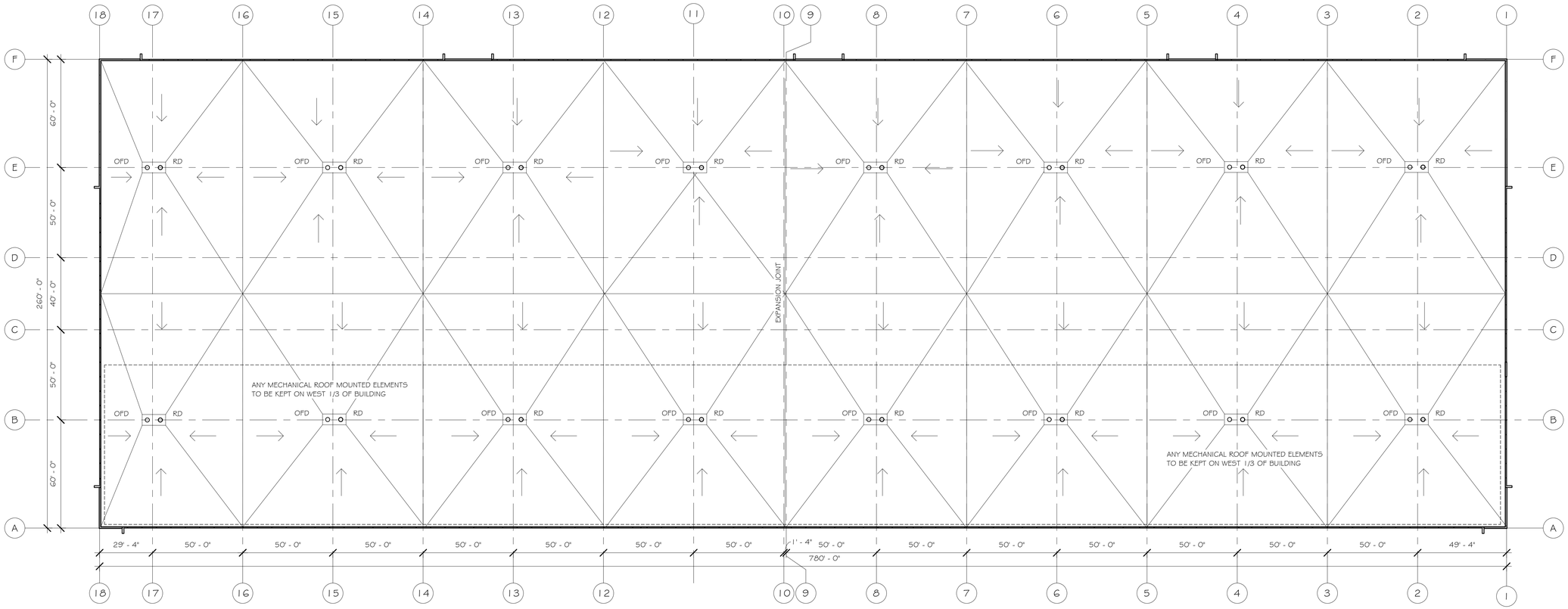
Revision Number	Revision Description	Revision Date	Issued by

SHEET TITLE:
FLOOR PLAN ENLARGED 2

JOB NUMBER:	19032
DESIGNED BY:	TC
DRAWN BY:	TC
CHECKED BY:	TC
DATE:	1/13/2021

SHEET NO:

A1.3



N — 1 / A1.4 ROOF PLAN

1" = 30'-0"

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PHONE 608.249.2012 FAX 608.249.2032

WYOMING PROJECT

BUILDING #1
WEST OF FUTURE GALLEON RUN
4800 VOGES ROAD
MADISON, WISCONSIN 53718

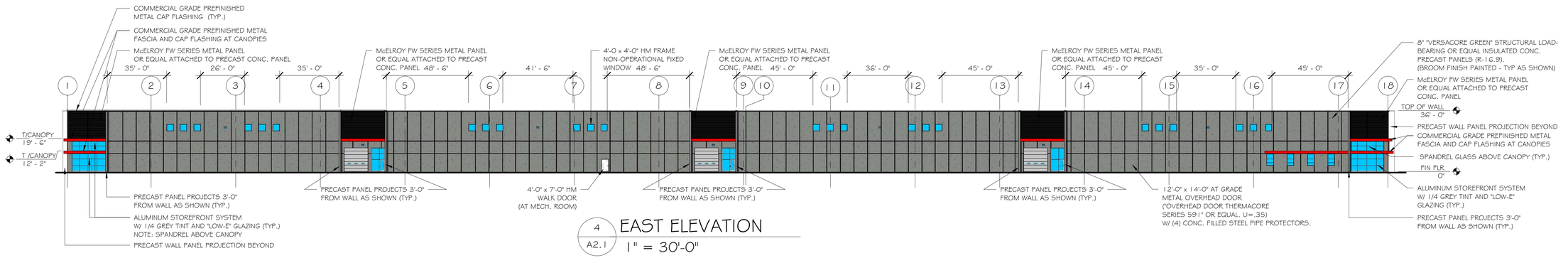
Revision Number	Revision Description	Revision Date	Issued by

SHEET TITLE:
ROOF PLAN

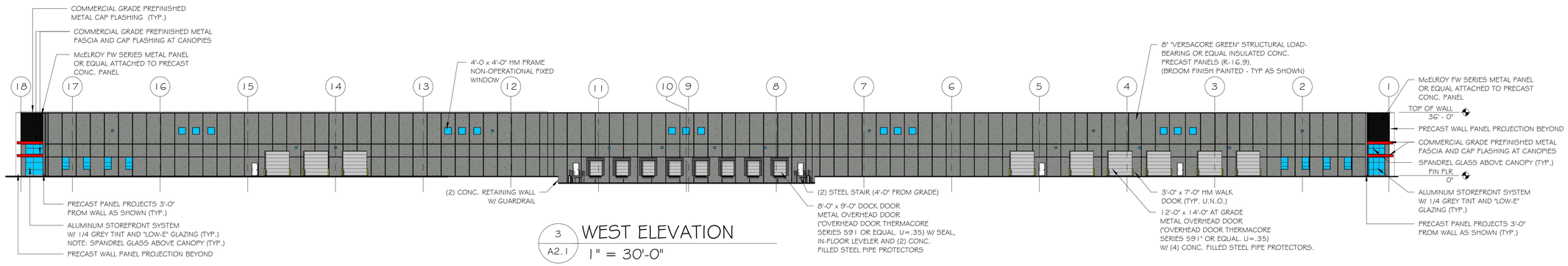
JOB NUMBER:	19032
DESIGNED BY:	TC
DRAWN BY:	TC
CHECKED BY:	TC
DATE:	11/2/2021

SHEET NO:

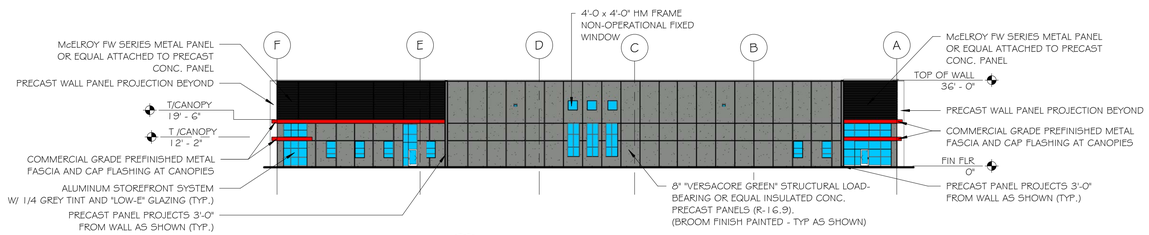
A1.4



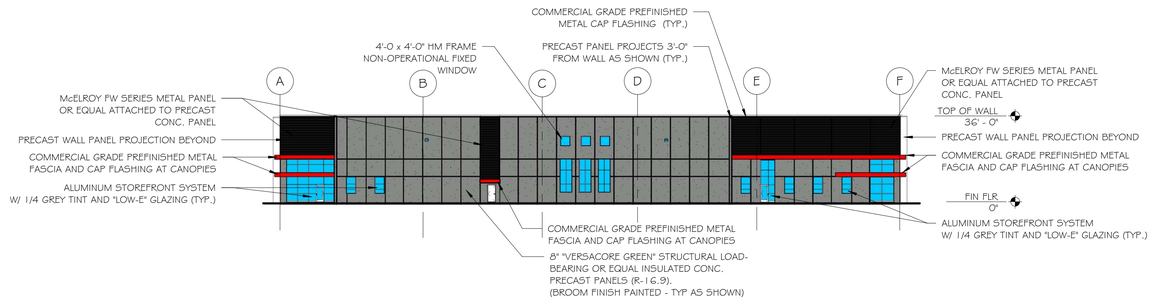
4 / A2.1 EAST ELEVATION
1" = 30'-0"



3 / A2.1 WEST ELEVATION
1" = 30'-0"



2 / A2.1 NORTH ELEVATION
1" = 30'-0"



1 / A2.1 SOUTH ELEVATION
1" = 30'-0"

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WYOMING PROJECT

BUILDING #1
WEST OF FUTURE GALLEON RUN
4800 VOGES ROAD
MADISON, WISCONSIN 53718

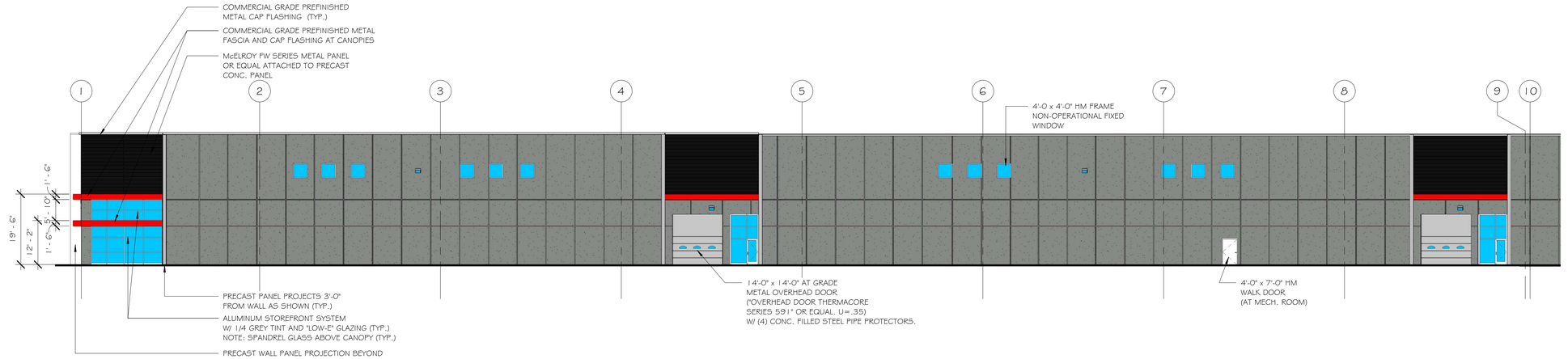
Revision Number	Revision Description	Revision Date	Issued by

SHEET TITLE:
ELEVATIONS

JOB NUMBER:	19032
DESIGNED BY:	TC
DRAWN BY:	TC
CHECKED BY:	TC
DATE:	1/13/2021

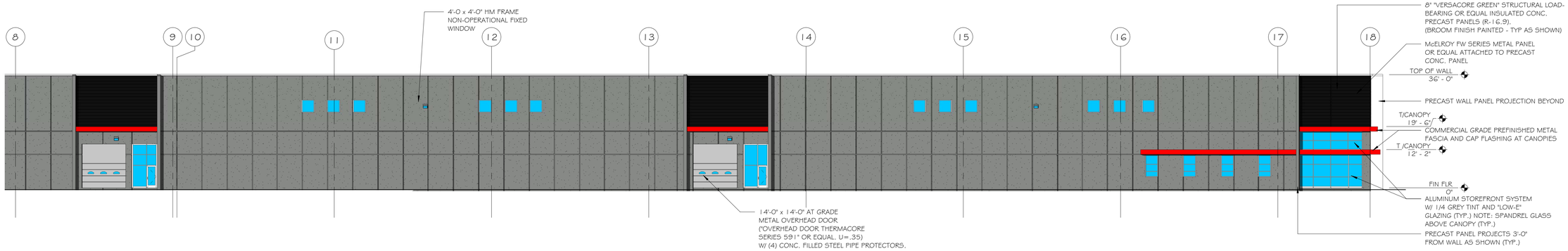
SHEET NO:

A2.1



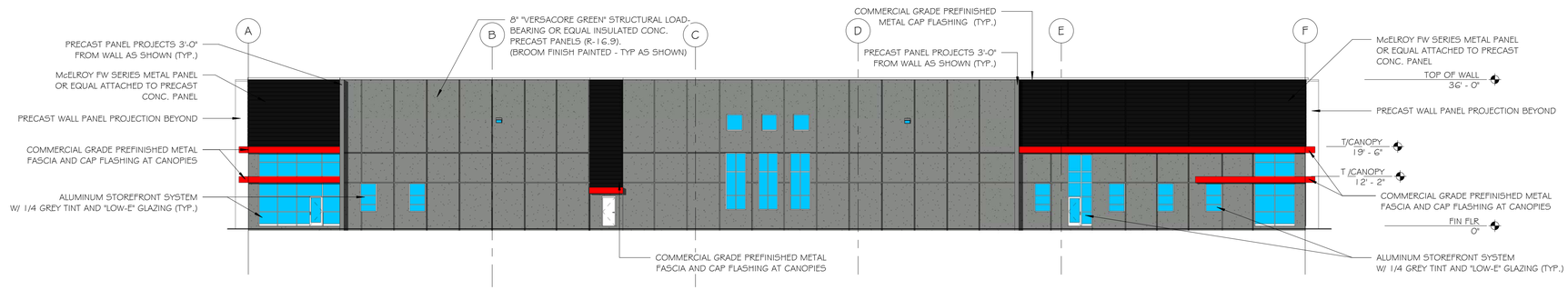
1 / A2.2 EAST ELEVATION ENLARGED a

1/16" = 1'-0"



2 / A2.2 EAST ELEVATION ENLARGED b

1/16" = 1'-0"



3 / A2.2 SOUTH ELEVATION ENLARGED

1/16" = 1'-0"

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PHONE 608.249.2012 FAX 608.249.2032

WYOMING PROJECT

BUILDING #1
WEST OF FUTURE GALLEON RUN
4800 VOGES ROAD
MADISON, WISCONSIN 53718

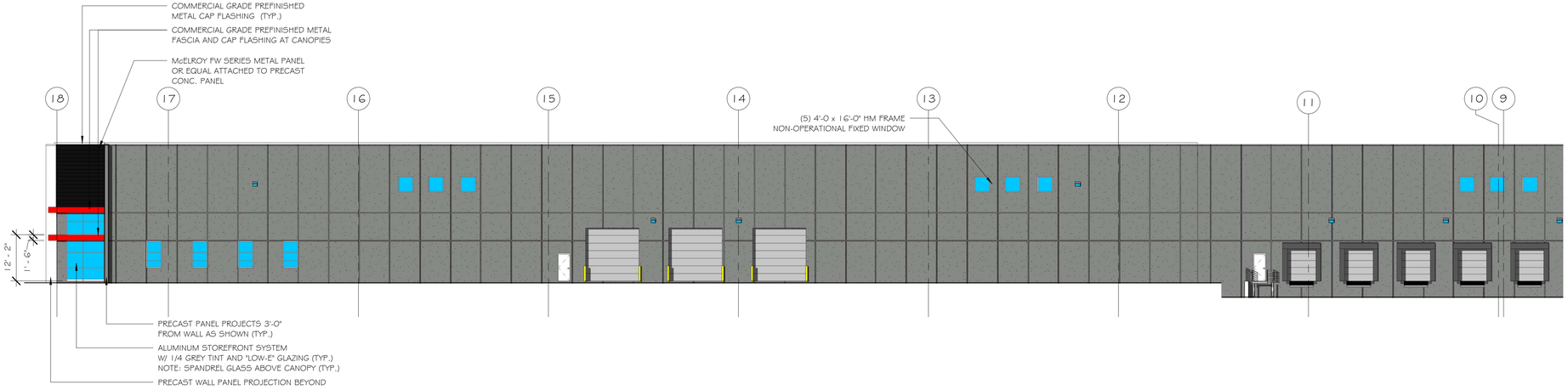
Revision Number	Revision Description	Revision Date	Issued by

SHEET TITLE:
ENLARGED ELEVATIONS

JOB NUMBER:	19032
DESIGNED BY:	TC
DRAWN BY:	TC
CHECKED BY:	TC
DATE:	1/13/2021

SHEET NO:

A2.2

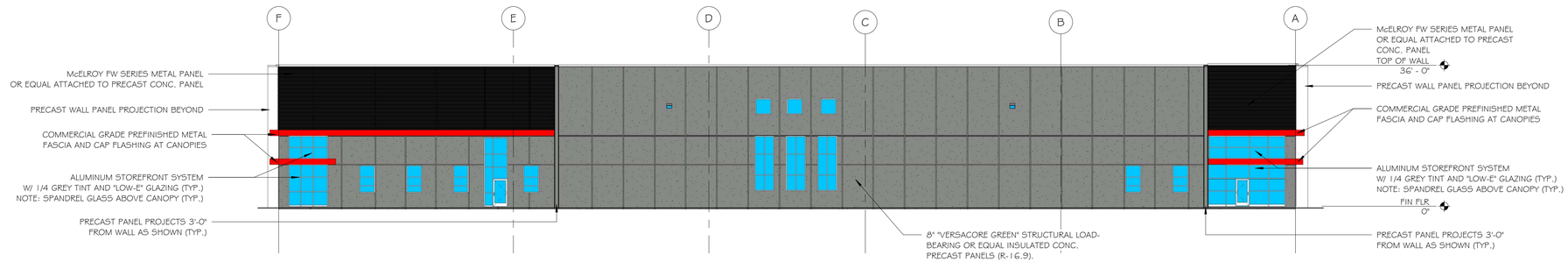


1 / A2.3 WEST ELEVATION ENLARGED a

1/16" = 1'-0"

2 / A2.3 WEST ELEVATION ENLARGED b

1/16" = 1'-0"



3 / A2.3 NORTH ELEVATION ENLARGED

1/16" = 1'-0"

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PHONE 608.249.2201 FAX 608.249.2032

WYOMING PROJECT

BUILDING #1
WEST OF FUTURE GALLEON RUN
4800 VOGES ROAD
MADISON, WISCONSIN 53718

Revision Number	Revision Description	Revision Date	Issued by

SHEET TITLE:
ENLARGED ELEVATIONS

JOB NUMBER:	19032
DESIGNED BY:	TC
DRAWN BY:	TC
CHECKED BY:	TC
DATE:	1/13/2021

SHEET NO:

A2.3

PROPOSED BUILDING #1
4800 VOGES ROAD
VIEW FROM SOUTHEAST


PROPOSED DEVELOPMENT
4800 VOGES ROAD
VIEW FROM SOUTHEAST
RUEDEBUSCH
DEVELOPMENT &
CONSTRUCTION
DEVELOPMENT • CONSTRUCTION • BROKERAGE • CONSULTING

LABEL: A & B

OUTDOOR PHOTOMETRIC REPORT
CATALOG: KAD LED 60C 700 50K R4 MVOLT HS

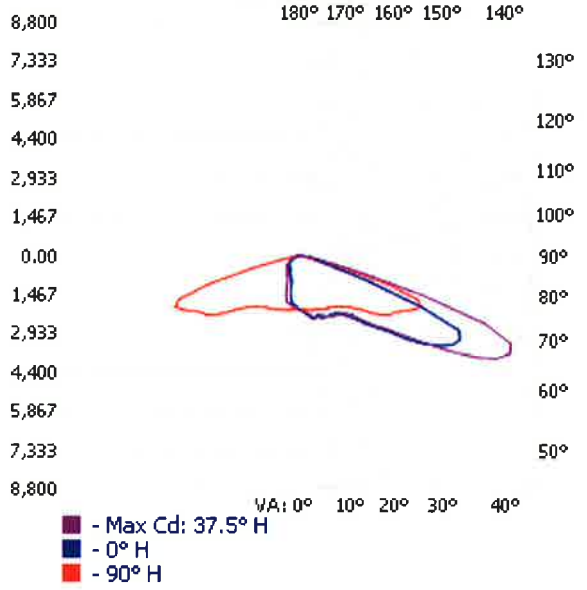
AcuityBrands

LITHONIA LIGHTING

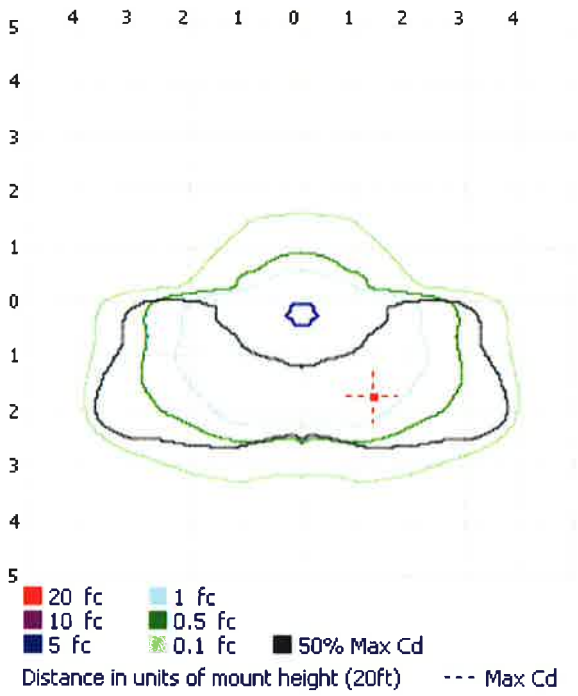
NIGHTTIME FRIENDLY

Test #:	LTL26038P226
Test Lab:	SCALED PHOTOMETRY
Test Notes:	SCALED FROM ABSOLUTE TEST: LTL26038P30
Catalog:	KAD LED 60C 700 50K R4 MVOLT HS
Description:	KAD LED, 60 LED, 700mA MVOLT DRIVER, 5000K, TYPE 4 OPTICS WITH HOUSE SIDE SHIELDS
Series:	KAD-LED
Lamp Output:	Total luminaire Lumens: 12586.9, absolute photometry *
Input Wattage:	137
Luminous Opening:	Rectangle (L: 11.16", W: 11.88")
Max Cd:	8,744.3 at Horizontal: 37.5°, Vertical: 65°
Roadway Class:	SHORT, TYPE III

Polar Candela



Isoilluminance



*Test based on absolute photometry where lamp lumens=lumens total.
*Cutoff Classification and efficiency cannot be properly calculated for absolute photometry.

OUTDOOR PHOTOMETRIC REPORT
CATALOG: KAD LED 60C 700 50K R4 MVOLT HS

AcuityBrands

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,558.9	12.4%
0-40	2,694.1	21.4%
0-60	6,996.6	55.6%
60-90	5,590.4	44.4%
70-100	1,935.6	15.4%
90-120	0.000	0%
0-90	12,586.9	100%
90-180	0.000	0%
0-180	12,586.9	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	191.4	1.5%	90-100	0.000	0%
10-20	537.7	4.3%	100-110	0.000	0%
20-30	829.7	6.6%	110-120	0.000	0%
30-40	1,135.2	9.0%	120-130	0.000	0%
40-50	1,633.5	13.0%	130-140	0.000	0%
50-60	2,669.0	21.2%	140-150	0.000	0%
60-70	3,654.8	29.0%	150-160	0.000	0%
70-80	1,771.9	14.1%	160-170	0.000	0%
80-90	163.7	1.3%	170-180	0.000	0%

Roadway Summary

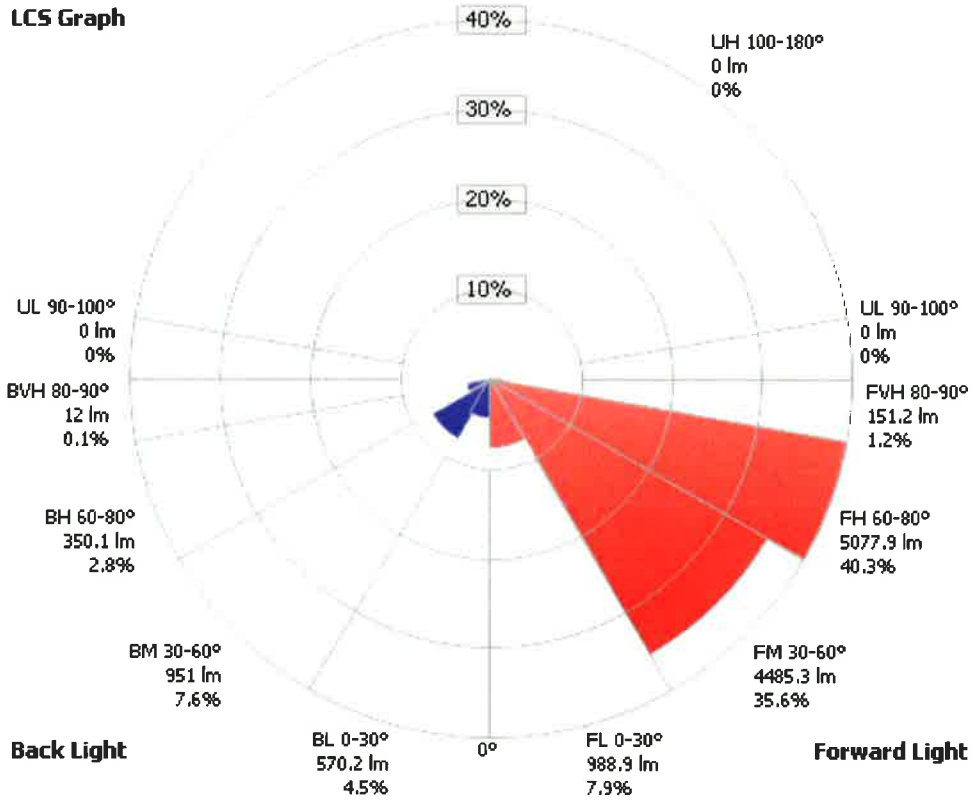
Distribution:	TYPE III, SHORT	
Max Cd, 90 Deg Vert:	0.000	
Max Cd, 80 to <90 Deg:	1,197.2	
	Lumens	% Lamp
Downward Street Side:	10,703.3	85%
Downward House Side:	1,883.2	15%
Downward Total:	12,586.5	100%
Upward Street Side:	0.000	0%
Upward House Side:	0.000	0%
Upward Total:	0.000	0%
Total Lumens:	12,586.5	100%

LCS Table

BUG Rating	**B2 - U0 - G3**	
Forward Light	Lumens	Lumens %
Low(0-30):	988.9	7.9%
Medium(30-60):	4,485.3	35.6%
High(60-80):	5,077.9	40.3%
Very High(80-90):	151.2	1.2%
Back Light		
Low(0-30):	570.2	4.5%
Medium(30-60):	951.0	7.6%
High(60-80):	350.1	2.8%
Very High(80-90):	12.0	0.1%
Uplight		
Low(90-100):	0.000	0%
High(100-180):	0.000	0%
Trapped Light:	0.4	0%

OUTDOOR PHOTOMETRIC REPORT
CATALOG: KAD LED 60C 700 50K R4 MVOLT HS

LCS Graph



Scale = Max LCS %

Trapped Light: 0.4 lm, 0%

LTL26038P226
VISUAL PHOTOMETRIC TOOL

PUBLISH
PAGE 3 OF 4

OUTDOOR PHOTOMETRIC REPORT
CATALOG: KAD LED 60C 700 50K R4 MVOLT HS

AcuityBrands.

Candela Table - Type C

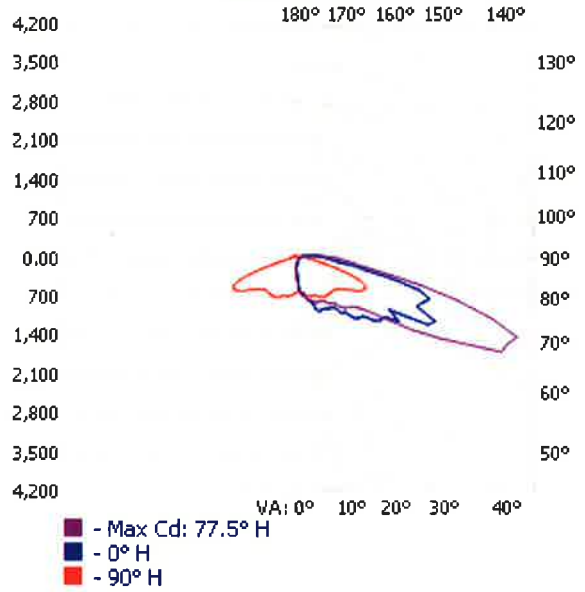
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	1994	1994	1994	1994	1994	1994	1994	1994	1994	1994	1994	1994	1994	1994	1994	1994	1994	1994	1994
5	2112	2124	2116	2102	2100	2090	2071	2059	2035	2021	1980	1944	1920	1908	1888	1867	1862	1862	1851
10	2282	2296	2282	2257	2231	2190	2145	2123	2098	2061	1976	1926	1870	1843	1812	1755	1708	1669	1590
15	2412	2365	2400	2431	2384	2274	2196	2174	2157	2098	1989	1899	1825	1654	1416	1210	1094	1036	953
20	2470	2468	2447	2384	2392	2405	2251	2220	2220	2139	2005	1891	1571	1151	914	858	837	832	816
25	2523	2519	2545	2545	2494	2394	2384	2286	2302	2204	2031	1772	1148	871	797	763	765	756	754
30	2553	2545	2566	2585	2619	2519	2479	2377	2363	2254	2047	1522	984	795	742	699	675	640	612
35	2650	2641	2635	2646	2700	2683	2516	2553	2484	2339	2031	1285	953	731	670	607	569	559	567
40	2989	2973	2929	2860	2835	2839	2739	2764	2536	2488	1978	1163	795	640	588	554	527	526	527
45	3640	3732	3678	3531	3386	3308	3297	2927	2784	2731	1843	1089	694	564	523	507	482	474	477
50	4405	4536	4628	4471	4149	3875	3819	3345	3197	3170	1544	877	608	490	460	438	416	445	511
55	5774	5904	6216	5943	5512	5022	4778	4360	4002	3883	1054	560	479	418	384	366	424	379	340
60	6694	6762	7498	7911	7501	6913	6288	5451	4640	4235	617	448	381	342	318	328	279	265	266
65	6652	6498	7956	8722	8682	8038	7437	6533	5559	4783	489	366	307	269	242	233	228	220	217
70	2800	2780	4289	6362	7580	7910	8261	7355	5955	4783	380	302	234	193	191	173	156	148	140
75	885	919	1428	1955	2736	4977	6598	4684	2683	1806	290	228	146	136	109	86	75	64	53
80	542	543	628	710	853	972	1197	752	445	282	154	87	66	48	29	23	19	16	17
85	293	252	270	286	268	306	260	212	111	56	29	20	16	13	11	8	5	5	8
90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

LABEL: C & D

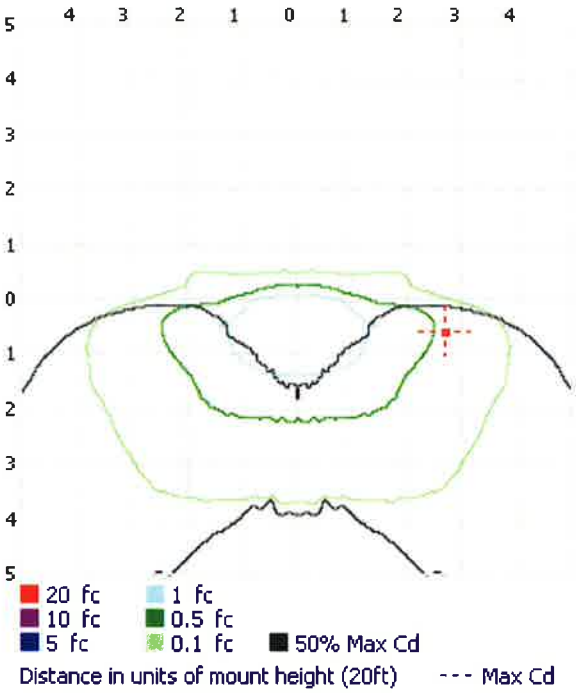
OUTDOOR PHOTOMETRIC REPORT
CATALOG: TWH LED 20C 1000 50K T3M MVOLT

Test #:	LTL28591P8
Test Lab:	SCALED PHOTOMETRY
Test Date:	8/3/2015
Catalog:	TWH LED 20C 1000 50K T3M MVOLT
Description:	TWH LED WITH 20 LEDs, @1000mA, 5000K AND TYPE 3 MEDIUM OPTICS
Series:	TWH LED
Lamp:	LED
Lamp Output:	Total luminaire Lumens: 7027.4, absolute photometry *
Ballast / Driver:	LED DRIVER
Input Wattage:	72
Luminous Opening:	Rectangle w/Luminous Sides (L: 4.56", W: 13.56", H: 6.24")
Max Cd:	4,141.3 at Horizontal: 77.5°, Vertical: 70°
Roadway Class:	MEDIUM, TYPE IV

Polar Candela



Isoilluminance



*Test based on absolute photometry where lamp lumens=lumens total.
*Cutoff Classification and efficiency cannot be properly calculated for absolute photometry.

OUTDOOR PHOTOMETRIC REPORT
CATALOG: TWH LED 20C 1000 50K T3M MVOLT

AcuityBrands.

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	521.6	7.4%
0-40	944.3	13.4%
0-60	2,565.4	36.5%
60-90	3,879.7	55.2%
70-100	2,538.1	36.1%
90-120	492.6	7%
0-90	6,445.1	91.7%
90-180	582.2	8.3%
0-180	7,027.4	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	55.1	0.8%	90-100	290.9	4.1%
10-20	170.7	2.4%	100-110	133.7	1.9%
20-30	295.8	4.2%	110-120	68.1	1%
30-40	422.8	6.0%	120-130	39.6	0.6%
40-50	631.9	9.0%	130-140	24.4	0.3%
50-60	989.2	14.1%	140-150	14.5	0.2%
60-70	1,632.5	23.2%	150-160	7.3	0.1%
70-80	1,518.1	21.6%	160-170	3.1	0%
80-90	729.1	10.4%	170-180	0.7	0%

Roadway Summary

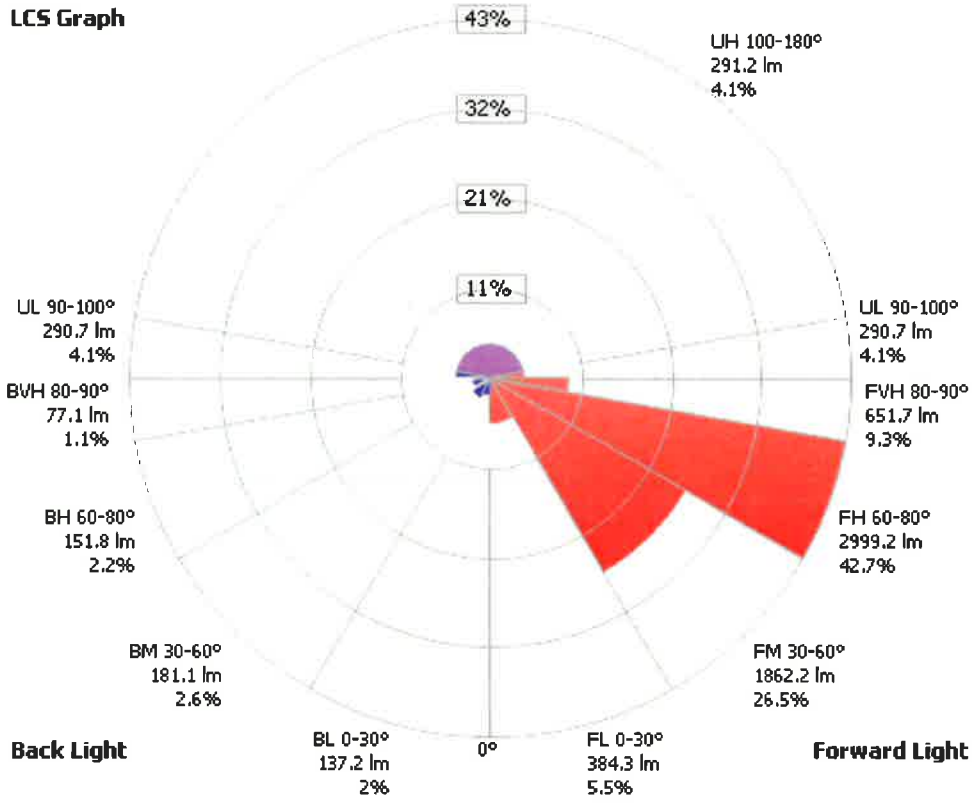
Distribution:	TYPE IV, MEDIUM	
Max Cd, 90 Deg Vert:	969.8	
Max Cd, 80 to <90 Deg:	2,863.6	
	Lumens	% Lamp
Downward Street Side:	5,897.5	83.9%
Downward House Side:	547.1	7.8%
Downward Total:	6,444.6	91.7%
Upward Street Side:	425.3	6.1%
Upward House Side:	156.6	2.2%
Upward Total:	581.9	8.3%
Total Lumens:	7,026.5	100%

LCS Table

BUG Rating	**B1 - U3 - G4**	
Forward Light	Lumens	Lumens %
Low(0-30):	384.3	5.5%
Medium(30-60):	1,862.2	26.5%
High(60-80):	2,999.2	42.7%
Very High(80-90):	651.7	9.3%
Back Light		
Low(0-30):	137.2	2%
Medium(30-60):	181.1	2.6%
High(60-80):	151.8	2.2%
Very High(80-90):	77.1	1.1%
Uplight		
Low(90-100):	290.7	4.1%
High(100-180):	291.2	4.1%
Trapped Light:	0.8	0%

OUTDOOR PHOTOMETRIC REPORT
CATALOG: TWH LED 20C 1000 50K T3M MVOLT

LCS Graph



Scale = Max LCS %

Trapped Light: 0.8 lm, 0%

LTL28591P8
VISUAL PHOTOMETRIC TOOL

PUBLISH
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OUTDOOR PHOTOMETRIC REPORT
CATALOG: TWH LED 20C 1000 50K T3M MVOLT

Candela Table - Type C

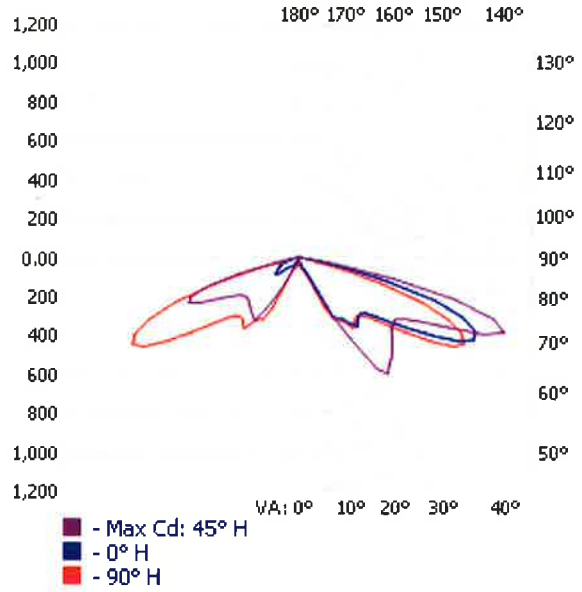
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581	581
5	645	662	674	681	703	716	712	676	670	637	601	562	520	487	454	433	416	406	366
10	728	753	762	762	737	712	745	785	728	676	599	520	441	395	366	348	325	304	281
15	814	862	824	822	849	845	812	810	787	687	558	458	395	362	325	285	262	237	210
20	1022	1041	1028	1030	949	891	891	841	828	708	537	410	362	304	262	233	208	187	160
25	1003	1053	1078	1128	1130	1055	932	887	889	741	520	387	312	248	219	173	133	106	81
30	1038	1090	1120	1188	1201	1184	1047	966	891	799	508	362	262	202	133	87	58	42	31
35	1080	1120	1143	1226	1192	1286	1247	1057	903	828	495	329	221	125	67	42	27	17	15
40	1261	1332	1319	1311	1324	1365	1409	1257	1057	832	466	271	154	69	35	23	17	12	10
45	1515	1557	1577	1611	1602	1561	1582	1446	1153	832	445	241	104	46	25	17	12	8	10
50	1744	1736	1875	1881	1969	1950	1790	1690	1274	872	479	216	75	37	21	17	12	6	8
55	1838	1969	2131	2223	2206	2310	2148	2210	1746	976	495	225	67	33	21	12	10	4	8
60	1856	2402	2322	2564	2622	2610	2447	2822	2572	1178	429	239	79	37	17	12	6	4	2
65	2676	3053	3326	3494	3954	3234	3282	3683	3788	1305	491	277	112	42	17	8	4	0	0
70	2337	2699	2720	3253	3825	3646	3617	3885	4021	1145	520	229	175	46	15	8	4	0	0
75	2223	2166	2685	3346	3675	3213	2943	3178	2710	681	393	260	258	56	21	10	4	0	0
80	1178	1240	1582	2293	2714	2601	2439	2023	1415	354	283	375	375	96	35	17	8	2	2
85	662	691	878	1257	1492	1638	1565	1432	845	219	237	391	333	121	54	21	8	4	2
90	487	491	529	631	733	801	859	920	579	166	208	391	287	112	50	25	12	4	2
95	385	370	370	406	375	400	491	574	395	150	204	298	204	117	56	29	12	4	4
100	277	258	254	275	237	237	308	333	216	142	183	221	139	87	50	29	12	4	4
105	191	175	175	187	166	162	206	216	146	123	150	158	104	67	42	29	12	4	2
110	125	119	121	125	121	121	139	129	108	104	112	117	83	50	37	29	12	4	2
115	92	85	89	92	85	87	94	79	87	89	87	92	67	42	33	29	12	4	2
120	69	67	71	75	69	62	62	54	73	75	71	67	54	37	29	25	12	4	2
125	54	54	60	67	60	54	44	40	60	65	58	54	46	33	25	25	8	4	2
130	46	46	50	54	50	48	37	29	46	54	48	44	42	31	23	19	8	2	0
135	37	37	40	44	42	46	33	25	37	42	42	42	37	29	21	15	6	2	0
140	29	29	33	35	37	42	29	29	33	37	37	37	35	29	21	12	8	4	0
145	21	21	25	29	29	27	25	25	29	33	33	33	29	25	17	12	6	2	0
150	12	15	21	21	21	21	21	23	25	29	29	29	25	21	17	12	6	4	0
155	6	8	12	15	15	17	17	21	25	25	25	23	21	17	15	10	6	2	0
160	2	4	8	12	12	15	17	21	21	23	21	21	17	15	12	8	6	4	0
165	0	2	6	8	10	12	15	17	17	19	17	15	12	8	6	8	6	2	0
170	0	2	6	8	8	8	10	12	12	12	12	8	8	8	6	8	6	4	0
175	0	2	6	8	6	6	6	8	8	8	8	8	8	6	6	8	6	4	0
180	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6

LABEL: E

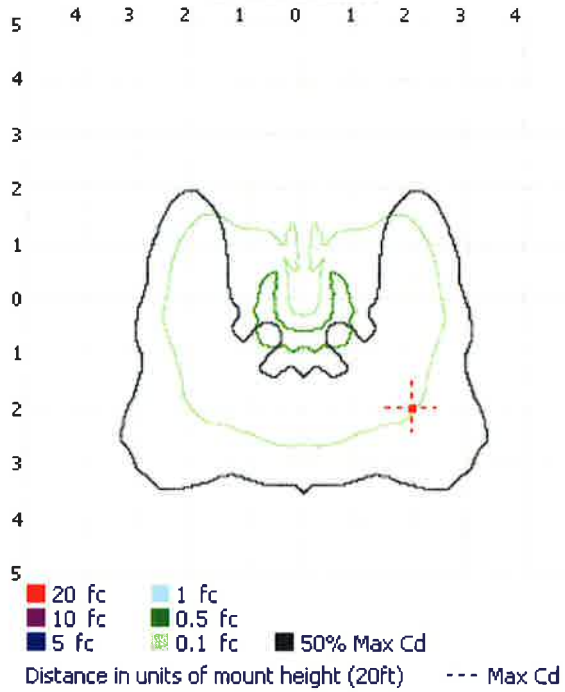
OUTDOOR PHOTOMETRIC REPORT
CATALOG: DSXB LED 12C 700 30K ASY

Test #:	LTL24368P56
Test Lab:	SCALED PHOTOMETRY
Test Notes:	SCALED FROM ABSOLUTE TEST: LTL24368
Test Date:	9/11/2013
Catalog:	DSXB LED 12C 700 30K ASY
Description:	D-SERIES BOLLARD WITH 12 3000K LEDS OPERATED AT 700mA AND ASYMMETRIC DISTRIBUTION
Series:	D-Series Bollard
Lamp Catalog:	NICHIA 219B
Lamp:	LED
Lamp Output:	Total luminaire Lumens: 2173.3, absolute photometry *
Ballast / Driver:	AD 913701213402
Input Wattage:	31
Luminous Opening:	(L: 8.04", W: 0", H: 0")
Max Cd:	1,124.8 at Horizontal: 45°, Vertical: 70°
Roadway Class:	SHORT, TYPE IV

Polar Candela



Isoilluminance



*Test based on absolute photometry where lamp lumens=lumens total.
*Cutoff Classification and efficiency cannot be properly calculated for absolute photometry.

OUTDOOR PHOTOMETRIC REPORT
CATALOG: DSXB LED 12C 700 30K ASY

AcuityBrands

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	66.6	3.1%
0-40	300.7	13.8%
0-60	1,074.9	49.5%
60-90	1,098.4	50.5%
70-100	406.8	18.7%
90-120	0.000	0%
0-90	2,173.3	100%
90-180	0.000	0%
0-180	2,173.3	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	0.1	0.0%	90-100	0.000	0%
10-20	10.0	0.5%	100-110	0.000	0%
20-30	56.5	2.6%	110-120	0.000	0%
30-40	234.2	10.8%	120-130	0.000	0%
40-50	324.7	14.9%	130-140	0.000	0%
50-60	449.5	20.7%	140-150	0.000	0%
60-70	691.6	31.8%	150-160	0.000	0%
70-80	381.6	17.6%	160-170	0.000	0%
80-90	25.2	1.2%	170-180	0.000	0%

Roadway Summary

Distribution:	TYPE IV, SHORT	
Max Cd, 90 Deg Vert:		0.000
Max Cd, 80 to <90 Deg:		201.1
	Lumens	% Lamp
Downward Street Side:	1,413.1	65%
Downward House Side:	759.9	35%
Downward Total:	2,173.0	100%
Upward Street Side:	0.000	0%
Upward House Side:	0.000	0%
Upward Total:	0.000	0%
Total Lumens:	2,173.0	100%

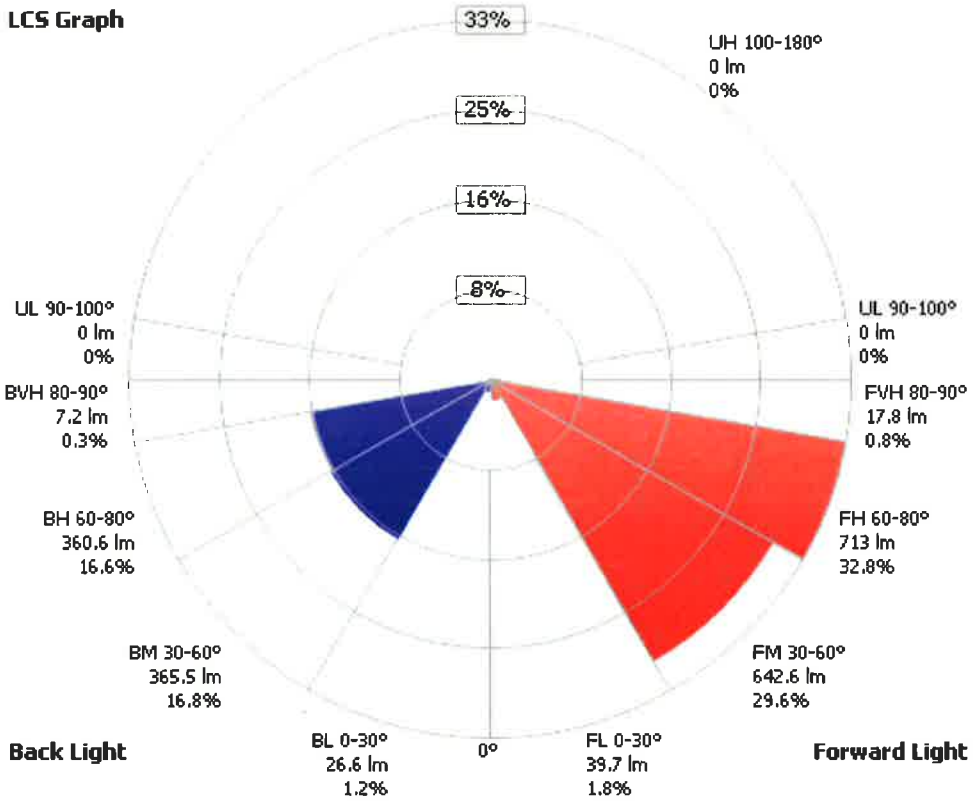
LCS Table

BUG Rating	**B1 - U0 - G1**	
Forward Light	Lumens	Lumens %
Low(0-30):	39.7	1.8%
Medium(30-60):	642.6	29.6%
High(60-80):	713.0	32.8%
Very High(80-90):	17.8	0.8%
Back Light		
Low(0-30):	26.6	1.2%
Medium(30-60):	365.5	16.8%
High(60-80):	360.6	16.6%
Very High(80-90):	7.2	0.3%
Uplight		
Low(90-100):	0.000	0%
High(100-180):	0.000	0%
Trapped Light:	0.3	0%

OUTDOOR PHOTOMETRIC REPORT
CATALOG: DSXB LED 12C 700 30K ASY

AcuityBrands.

LCS Graph



Scale = Max LCS %

Trapped Light: 0.3 lm, 0%

OUTDOOR PHOTOMETRIC REPORT
CATALOG: DSXB LED 12C 700 30K ASY

AcuityBrands.

Candela Table - Type C

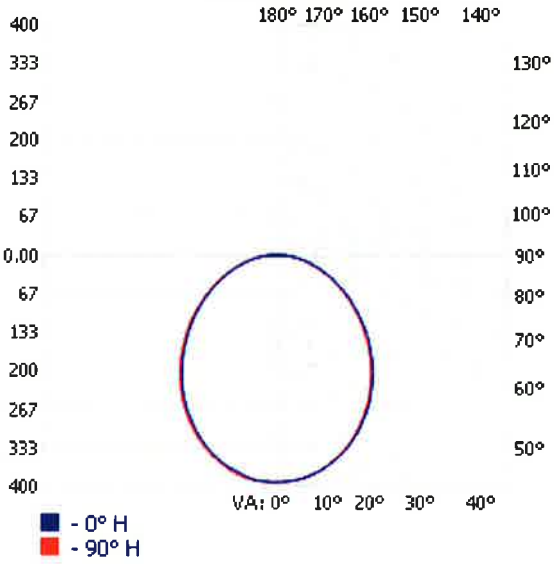
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	3	5	5	4	5	5	5	5	5	5	5	7	7	5	5	4	3	3	5
15	37	41	40	41	41	41	42	44	42	42	41	38	34	30	25	21	16	14	14
20	57	63	68	73	74	74	71	66	60	55	55	53	52	47	41	37	30	23	21
25	71	79	88	94	99	96	93	85	75	66	68	93	104	108	56	49	41	34	31
30	348	372	345	274	308	285	315	400	391	367	356	375	307	250	134	59	55	57	45
35	378	420	446	437	631	602	447	464	428	402	398	435	416	402	301	100	112	74	55
40	463	515	525	595	714	687	577	524	506	443	427	441	419	390	315	203	123	119	60
45	428	515	501	564	660	651	558	494	508	424	406	412	400	372	315	208	129	145	64
50	442	556	487	539	610	599	540	493	569	484	446	434	409	357	309	216	135	179	114
55	582	670	534	542	579	575	573	587	736	666	605	553	463	375	301	213	140	212	142
60	807	920	717	646	618	643	717	805	985	915	870	798	651	479	311	203	142	211	123
65	995	1081	939	868	840	874	909	917	1032	922	885	885	816	676	390	200	134	189	103
70	889	906	854	920	1108	1062	843	735	766	673	631	660	666	646	472	226	115	135	94
75	468	421	432	617	818	765	528	331	298	246	215	219	270	302	293	197	109	60	44
80	108	79	145	181	189	175	153	105	49	42	34	41	51	47	52	59	53	22	18
85	19	16	22	18	16	16	15	16	11	11	11	11	11	8	8	8	5	7	5
90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

LABEL: F

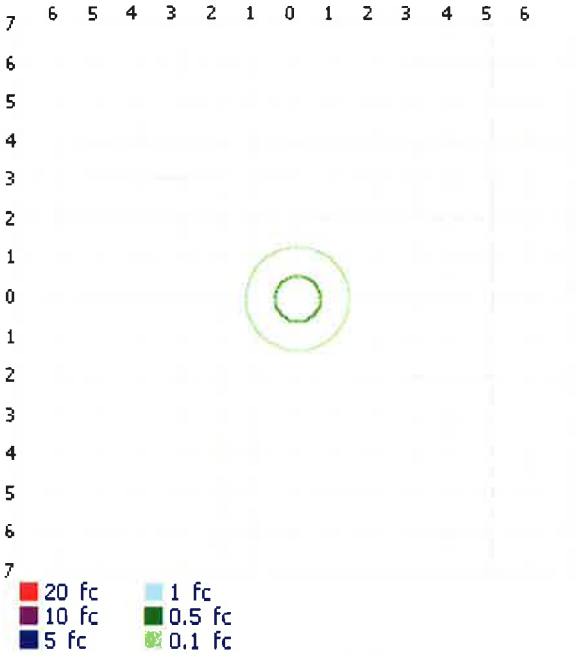
INDOOR PHOTOMETRIC REPORT
CATALOG: OLCFM 15 DDB

Test #:	LTL23645
Test Lab:	ACUITY BRANDS LIGHTING CONYERS LAB
Test Date:	5/16/2013
Catalog:	OLCFM 15 DDB
Description:	GENERAL PURPOSE LED CAST FLUSH MOUNT WITH DARK BRONZE FINISH
Series:	OLCFM
Lamp Catalog:	501-00221-001
Lamp:	LED
Lamp Output:	Total luminaire Lumens: 1042.3, absolute photometry *
Ballast / Driver:	120 VAC
Input Wattage:	16.6
Luminous Opening:	Circular (Dia: 10.8")
Cie Class:	Direct
Max Cd:	392.0 at Horizontal: 0°, Vertical: 0°
Spacing Criterion:	@ 0 = 1.19 / @ 90 = 1.18

Polar Candela



Isoilluminance



*Test based on absolute photometry where lamp lumens=lumens total.
*Cutoff Classification and efficiency cannot be properly calculated for absolute photometry.

INDOOR PHOTOMETRIC REPORT
CATALOG: OLCFM 15 DDB

AcuityBrands

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	294.6	28.3%
0-40	472.2	45.3%
0-60	798.5	76.6%
60-90	215.9	20.7%
70-100	112.0	10.7%
90-120	19.5	1.9%
0-90	1,014.5	97.3%
90-180	27.8	2.7%
0-180	1,042.3	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	37.0	3.5%	90-100	9.5	0.9%
10-20	104.3	10.0%	100-110	5.4	0.5%
20-30	153.4	14.7%	110-120	4.6	0.4%
30-40	177.6	17.0%	120-130	3.5	0.3%
40-50	175.2	16.8%	130-140	2.4	0.2%
50-60	151.1	14.5%	140-150	1.4	0.1%
60-70	113.4	10.9%	150-160	0.8	0.1%
70-80	70.8	6.8%	160-170	0.3	0%
80-90	31.8	3.0%	170-180	0.0	0%

Average Luminance (Cd/m2)

	0	22.5	45	67.5	90	112.5	135	157.5	180
0	6633	6633	6633	6633	6633	6633	6633	6633	6633
45	5527	5456	5456	5456	5456	5408	5408	5408	5336
55	5074	5015	4985	4985	4985	4956	4985	4985	4867
65	4684	4564	4564	4564	4564	4564	4564	4604	4444
75	4511	4315	4315	4315	4315	4315	4380	4380	4184
85	5824	5436	5436	5436	5436	5436	5436	5630	5242

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.18	1.18	1.18	1.18	1.15	1.15	1.15	.97	1.10	1.10	1.10	1.04	1.04	1.04	1.00	1.00	1.00	.97
1	1.08	1.03	.99	.95	1.05	1.00	.96	.82	.96	.92	.89	.91	.89	.86	.87	.85	.83	.81
2	.98	.90	.83	.77	.95	.88	.81	.69	.84	.78	.74	.80	.76	.72	.77	.73	.70	.68
3	.90	.79	.71	.65	.87	.77	.70	.59	.74	.68	.62	.71	.65	.61	.68	.63	.59	.57
4	.82	.70	.62	.55	.80	.69	.61	.51	.66	.59	.53	.63	.57	.52	.61	.56	.51	.49
5	.76	.63	.54	.47	.73	.62	.53	.45	.59	.52	.46	.57	.51	.46	.55	.49	.45	.43
6	.70	.57	.48	.42	.68	.56	.47	.39	.54	.46	.41	.52	.45	.40	.50	.44	.40	.38
7	.65	.52	.43	.37	.63	.51	.42	.35	.49	.42	.36	.47	.41	.36	.46	.40	.35	.33
8	.61	.47	.39	.33	.59	.46	.38	.32	.45	.38	.32	.43	.37	.32	.42	.36	.32	.30
9	.57	.43	.35	.30	.55	.43	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10	.53	.40	.32	.27	.52	.39	.32	.26	.38	.31	.27	.37	.31	.26	.36	.30	.26	.24

INDOOR PHOTOMETRIC REPORT
CATALOG: OLCFM 15 DDB

Candela Table - Type C

	0	22.5	45	67.5	90	112.5	135	157.5	180
0	392	392	392	392	392	392	392	392	392
5	390	390	390	390	390	390	390	390	390
10	383	383	382	382	383	382	382	382	380
15	371	372	370	371	370	370	370	370	368
20	356	354	354	354	354	353	354	353	351
25	336	334	334	334	334	332	333	332	330
30	313	312	310	311	310	309	310	309	307
35	287	286	285	284	284	283	284	283	281
40	260	258	256	256	256	256	256	256	253
45	231	228	228	228	228	226	226	226	223
50	202	198	198	198	198	197	198	198	194
55	172	170	169	169	169	168	169	169	165
60	144	141	140	140	141	140	141	140	137
65	117	114	114	114	114	114	114	115	111
70	92	89	90	90	90	90	90	90	86
75	69	66	66	66	66	66	67	67	64
80	49	46	46	46	46	46	46	46	44
85	30	28	28	28	28	28	28	29	27
90	16	15	15	15	15	15	16	16	14
95	8	8	8	8	8	8	8	8	7
100	5	5	6	6	6	6	6	6	5
105	5	5	5	5	5	5	5	5	5
110	5	5	5	5	5	5	5	5	5
115	4	4	4	5	5	5	5	5	5
120	4	4	4	4	4	4	4	4	4
125	4	4	4	4	4	4	4	4	4
130	3	3	3	3	4	4	4	4	4
135	3	3	3	3	3	3	3	3	3
140	2	2	2	3	3	3	3	3	3
145	2	2	2	2	2	2	2	2	2
150	2	2	2	2	2	2	2	2	2
155	1	1	1	2	2	2	2	2	2
160	1	1	1	1	1	1	1	1	1
165	1	1	1	1	1	1	1	1	1
170	0	0	1	1	1	1	1	1	1
175	0	0	0	0	0	0	0	1	1
180	0	0	0	0	0	0	0	0	0

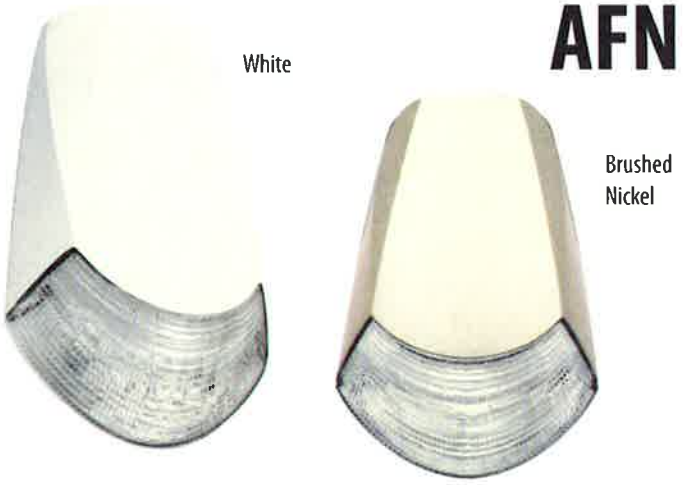
LITHONIA LIGHTING®

Catalog Number	AFN DB EXT
Notes	AT EXIT DOORS
Type	

AFFINITY®

Die-Cast Architectural Emergency Light

AFN



FEATURES & SPECIFICATIONS

INTENDED USE — Provides a minimum of 90 minutes illumination for the rated wattage upon loss of AC power. Ideal for applications requiring low-profile, attractive emergency lighting.

CONSTRUCTION — Compact, low-profile, architectural design with die-cast aluminum housing. Available finishes are texturized polyester powder coat paint in brushed nickel, white, black and dark bronze. All finishes can be painted in the field to match the wall color of choice.

U.S. Patent No. D468,046.

OPTICS — Standard optics provided with two 6W wedge-base xenon lamps offer 55 percent more light output than standard incandescent lamps. Patent-pending reflector/refractor design features superior vac-metalized, die-casted reflectors; and multi-faceted, highly transmissive refractor that significantly improve photometrics.

Forward throw (FWD) option optics provided with two high-brightness white LEDs (10.8W total), projecting an NFPA-101 compliant path 3' wide and 28' forward, when mounted 8-1/2' AFF. The typical life of the LED lamp is 10 years.

All light sources meet requirements for NEC 700.16.

Dual-voltage input capability (120/277V).

Edge connectors on printed circuit board ensure long-term durability.

Universal J-box mounting pattern.

Low-profile, integrated test switch/pilot light located below the lens.

Easily visible green status indicator.

Rigid conduit entry provision on top of the unit.

Battery: Sealed, maintenance-free lead-calcium battery provides 12W rated capacity. Nickel-cadmium battery with Premium and Exterior option packages.

Automatic 48-hour recharge after a 90-minute discharge.

Low-voltage disconnect prevents excessively deep discharge that can permanently damage the battery. Single-circuit battery connection.

ELECTRICAL — Current-limiting charger maximizes battery life and minimizes energy consumption. Provides low operating costs.

Short-circuit protection — current-limiting charger circuitry protects printed circuit board from shorts.

Thermal protection senses circuitry temperature and adjusts charge current to prevent overheating and charger failure.

Thermal compensation adjusts charger output to provide optimum charge voltage relative to ambient temperature.

Regulated charge voltage maintains constant-charge voltage over a wide range of line voltages. Prevents over/undercharging that shortens battery life and reduces capacity.

Filtered charger input minimizes charge voltage ripple and extends battery life.

AC/LVD reset allows battery connection before AC power is applied and prevents battery damage from deep discharge.

Brownout protection is automatically switched to emergency mode when supply voltage drops below 80 percent of nominal.

EXT option package includes 20-minute time delay for supplemental lighting during HID startup.

Self-diagnostics (PREM and EXT option packages)

Patented Electronics - U.S. Patent No. D468,046 and 6,502,044.

Single multi-chromatic LED indicator to display two-state charging, test activation and three-state diagnostic status.

Test switch provides manual activation of 30-second diagnostic testing for on-demand visual inspection.

Self-diagnostic testing for five minutes every 30 days and 30 minutes every six months.

Diagnostic evaluation of lamp, AC to DC transfer, charging and battery condition. Continuously monitors AC functionality.

Postpone automatic test initiates eight hour delay of an automatic test by activating the manual test switch.

LISTINGS — UL Listed. Wet locations and cold temperature (EXT) listed. Damp location (PREM) listed. Wet location (WL) option available with PREM package. Meets UL 924, NFPA 101, NFPA 70-NEC and OSHA illumination standards. UL labeled.

WARRANTY — 3-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Actual performance may differ as a result of end-user environment and application.

Note: Specifications subject to change without notice.

ORDERING INFORMATION

For shortest lead times, configure product using **bolded options.**

Example: AFN W EXT

AFN

Series		Finish		Options	
AFN	AFFINITY Series die-cast architectural emergency lighting	**W**	White	**(blank)**	Features lead calcium battery
		B	Black	PREM	Features ni-cad battery, self-diagnostics and damp location 32°F to 122°F (0°C to 50°C)
		BN	Brushed nickel	**EXT**	Features high-temperature ni-cad battery listed from 0°F to 122°F (-18°C to 50°C), self-diagnostics, time delay; listed for cold weather, damp and wet location
		DB	Dark bronze	FWD	Forward throw optics with LED light source, 10.8W
				WL	Wet location with time delay listed from 32°F to 122°F (0°C to 50°C) [1]

Accessories: *Order as separate catalog number.* [2]

ELA AFNR DB	Remote fixture (less batteries and electronics) to be powered by 6V battery equipment as part of an emergency lighting system (listed from -40°F to 122°F; -40°C to 50°C), BN, W, B finishes available.

Notes

1 WL only available with PREM option package.

2 See spec sheet ELA-OMC-ELA-AFNR.

AFN Affinity® Die-Cast Architectural Emergency Light

SPECIFICATIONS

ELECTRICAL: Primary Circuit					
	AC Input			Output volts	Watts output
Type	Volts	Amps	Watts		1-1/2 hrs.
AFN	120	.11	1.1	6	12
	277	.12	1.3		
AFN PREM	120	.15	1.4	6	12
	277	.14	1.4		
AFN EXT	120	.23	21[1]	6	12
	277	.25	35[1]		

BATTERY: Sealed Lead-Calcium				
Voltage	Shelf life[2]	Typical life[2]	Maintenance[4]	Optimum temperature[3]
6	12 months	5 - 7 years	none	60°– 90°F (16°– 32°C)

BATTERY: Nickel-Cadmium				
Voltage	Shelf life[2]	Typical life[2]	Maintenance[4]	Optimum temperature[3]
6	3 years	7 - 9 years	none	32°– 122°F (0°– 50°C)

Notes

1 EXT provided with battery heater.

2 At 77°F (25°C).

3 Optimum ambient temperature range where unit will provide capacity for 90 minutes. Higher and lower temperatures affect life and capacity. See option packages for expanded temperature ranges. Consult factory for detailed information.

4 All life safety equipment, including emergency lighting for path of egress must be maintained, serviced, and tested in accordance with all National Fire Protection Association (NFPA) and local codes. Failure to perform the required maintenance, service, or testing could jeopardize the safety of occupants and will void all warranties.

SPACING GUIDE

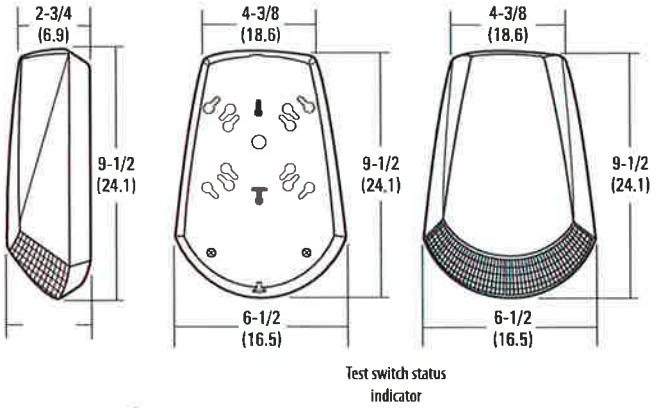
Xenon Lamp	Path of Egress 3'-wide	Path of Egress 6'-wide
Center-to-Center Spacing	26'	21'

NOTE: Meets Life Safety Code standard minimum illuminance of 0.1 FC and average illuminance of 1.0 FC. Assumes open space with no obstructions, mounting height: 8.5', ceiling height: 9', and reflectances: 80/50/20.

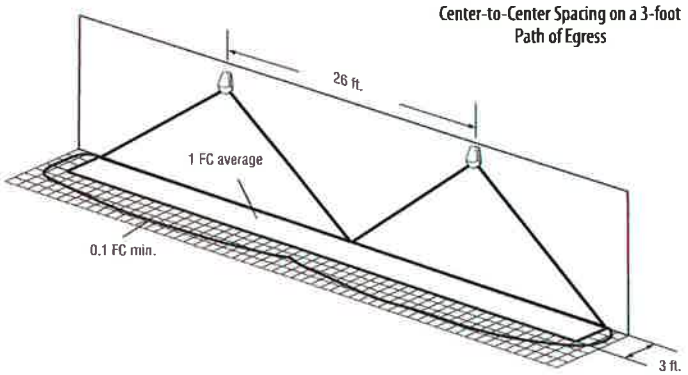
MOUNTING

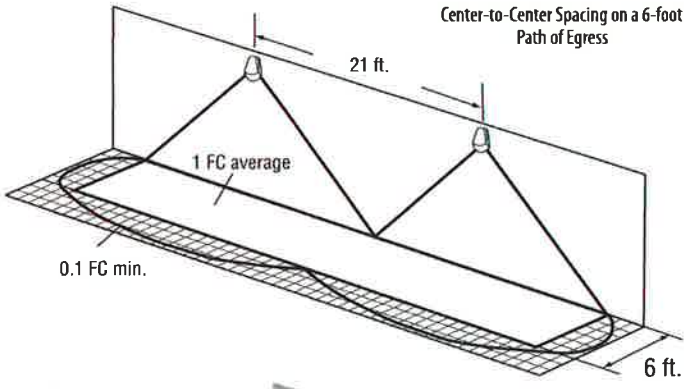
All dimensions are inches (centimeters).

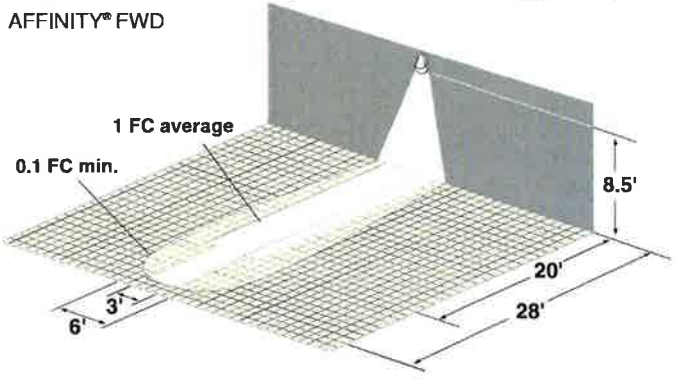
Shipping weight: 3.5 lbs. (1.59 kgs.)



FIXTURE PERFORMANCE







EMERGENCY: One Lithonia Way, Conyers, GA 30012 Phone: 800-334-8694 Fax: 770-981-8141 www.lithonia.com

LITHONIA LIGHTING®

Catalog Number	
SSS 25 4C DM19 DDB	
Notes: LABEL: A&B POLE	Type: AA

FEATURES & SPECIFICATIONS

CONSTRUCTION

Weldable-grade, hot-rolled, commercial-quality carbon steel tubing with a minimum yield of 55,000 psi (11-gauge), 50,000 psi (7-gauge). Uniform wall thickness of .125" or .188". Shafts are one-piece with a longitudinal electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsion. Available shaft widths are 4", 5" and 6".

Anchor base is fabricated from hot-rolled carbon steel plate that meets or exceeds a minimum yield strength of 36,000 psi. The anchor base is provided with slotted holes. Base cover is finished to match pole.

A handhole having nominal dimensions of 3" x 5" for all shafts. Included is a cover with attachment screws.

Top cap provided with all drill-mount poles.

Fasteners are high-strength galvanized zinc-plated or stainless steel.

FINISH — Dark bronze (DDB) polyester powder standard. Other architectural colors available. See www.lithonia.com/archcolors.

GROUNDING — A nut holder located immediately inside the handhole rim is provided (ground bolt and nut provided by others).

ANCHOR BOLTS — Top portion of anchor bolt is galvanized per ASTM A-153. Made of steel rod having a minimum yield strength of 55,000 psi.

Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

ORDERING INFORMATION

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

Example: SSS 20 5C DM19 DDB

SSS	25	4C	DM19		DDB
Shaft type	Nominal shaft length	Nominal shaft base size/ wall thickness	Mounting[1]	Options	Finish[7]
SSS	10 – 39 feet (see back page.)	(See back page.)			

Mounting[1]

Tenon Mounting

PT	Open top
T20	2-3/8" O.D. (2" NPS)
T25	2-7/8" O.D. (2-1/2" NPS)
T30	3-1/2" O.D. (3" NPS)
T35	4" O.D. (3-1/2" NPS)

Drill Mounting[2]

DM19	1 at 90°
DM28	2 at 180°
DM28PL	2 at 180° with one side plugged
DM29	2 at 90°
DM39	3 at 90°
DM49	4 at 90°

AERIS/OMERO Drill Mounting[2]

DM19AS	1 at 90°
DM28AS	2 at 180°
DM29AS	2 at 90°
DM39AS	3 at 90°
DM49AS	4 at 90°

AERIS Suspend Drill Mounting[2,3]

DM19AST_	1 at 90°
DM28AST_	2 at 180°
DM29AST_	2 at 90°
DM39AST_	3 at 90°
DM49AST_	4 at 90°

OMERO Suspend Drill Mounting[2,3]

DM19MRT_	1 at 90°
DM28MRT_	2 at 180°
DM29MRT_	2 at 90°
DM39MRT_	3 at 90°
DM49MRT_	4 at 90°

Options

Shipped installed

L/AB	Less anchor bolts
VD	Vibration damper
TP	Tamper proof
Hxx	Horizontal arm bracket (1 fixture)[4,5]
FDLxx	Festoon outlet less electrical[4]
FGLxx	Festoon GFI outlet less electrical[4]
12CPxx	1/2" coupling[4]
34CPxx	3/4" coupling[4]
1CPxx	1" coupling[4]
12NPxx	1/2" threaded nipple[4]
34NPxx	3/4" threaded nipple[4]
1NPxx	1" threaded nipple[4]
HHxx	Extra handhole[4,6]

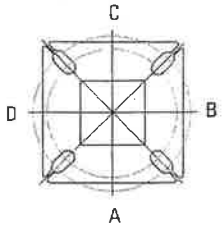
Finish[7]

DDB	Dark bronze
DWH	White
DBL	Black
DMB	Medium bronze
DNA	Natural aluminum
GALV	Galvanized finish

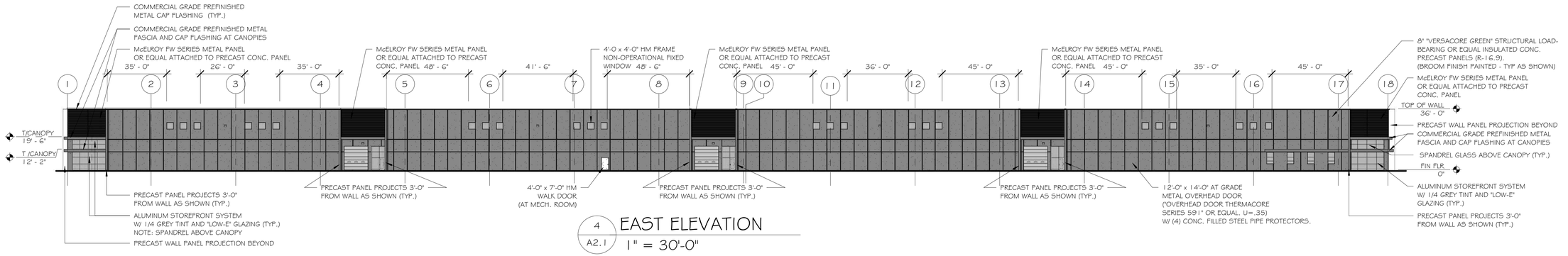
NOTES:

1. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination requires an extra handhole.
2. The drilling template to be used for a particular luminaire depends on the luminaire that is used. Refer to the Technical Data Section of the Outdoor Binder for Drilling Templates.
3. Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
4. Specify location and orientation when ordering option.
   - For 1st "x": Specify the height in feet above base of pole. *Example: 5ft = 5 and 20ft = 20*
   - For 2nd "x": Specify orientation from handhole (A,B,C,D) *Refer to the Handhole Orientation diagram on this page.*
5. Horizontal arm is 18" x 2-3/8" O.D. tenon standard.
6. Combination of tenon-top and drill mount requires extra handhole.
7. Additional colors available; see www.lithonia.com/archcolors. Powder finish standard.

HANDHOLE ORIENTATION

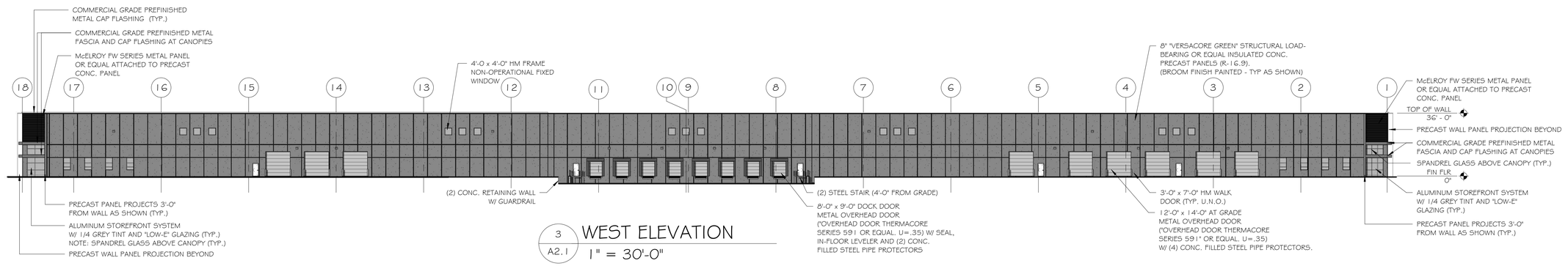


Handhole



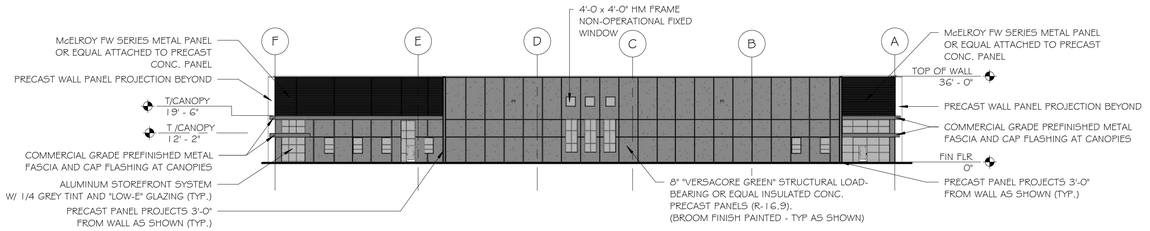
4 / A2.1 EAST ELEVATION

1" = 30'-0"



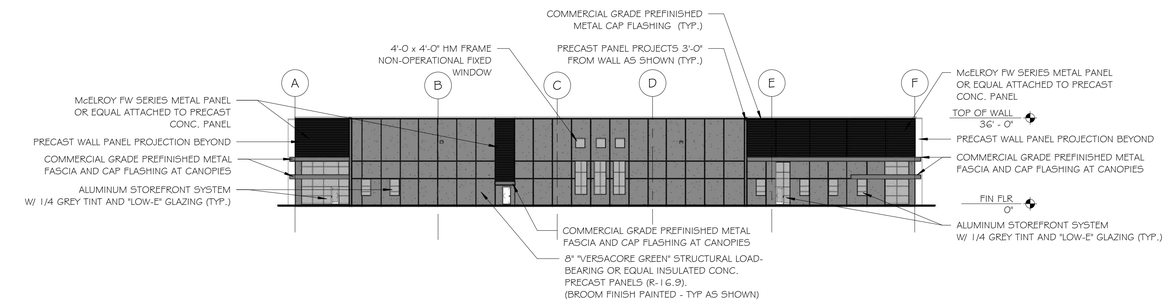
3 / A2.1 WEST ELEVATION

1" = 30'-0"



2 / A2.1 NORTH ELEVATION

1" = 30'-0"



1 / A2.1 SOUTH ELEVATION

1" = 30'-0"

RUEDEBUSCH DEVELOPMENT & CONSTRUCTION
WWW.RUEDEBUSCH.COM
4605 DOVETAIL DRIVE MADISON, WI 53704
PHONE 608.249.2012 FAX 608.249.2032

WYOMING PROJECT

BUILDING #1
WEST OF FUTURE GALLEON RUN
4800 VOGES ROAD
MADISON, WISCONSIN 53718

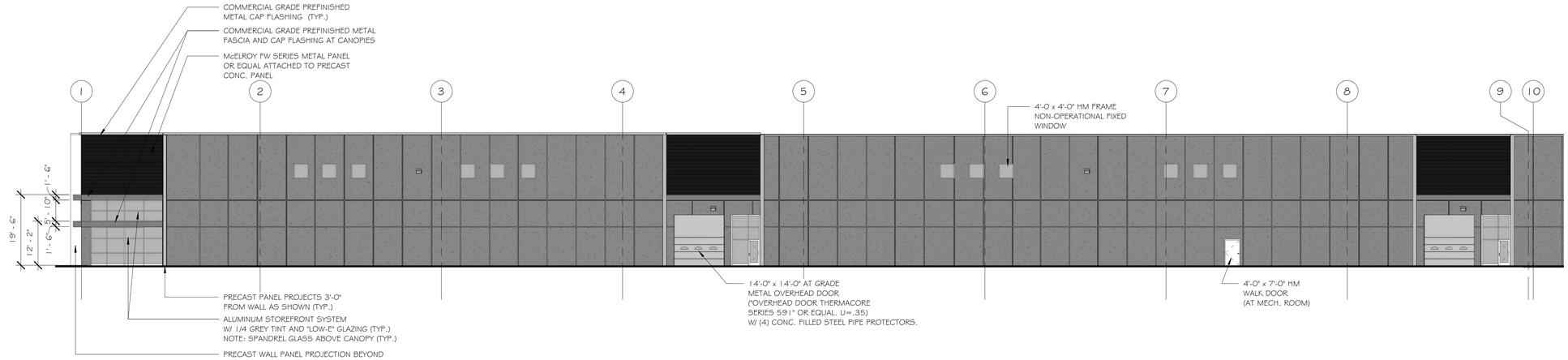
Revision Number	Revision Description	Revision Date	Issued by

SHEET TITLE: ELEVATIONS

JOB NUMBER:	19032
DESIGNED BY:	TC
DRAWN BY:	TC
CHECKED BY:	TC
DATE:	1/13/2021

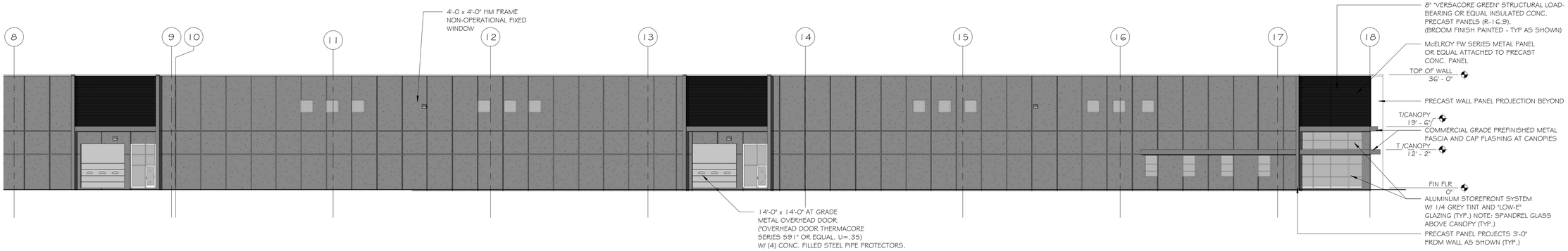
SHEET NO:

A2.1



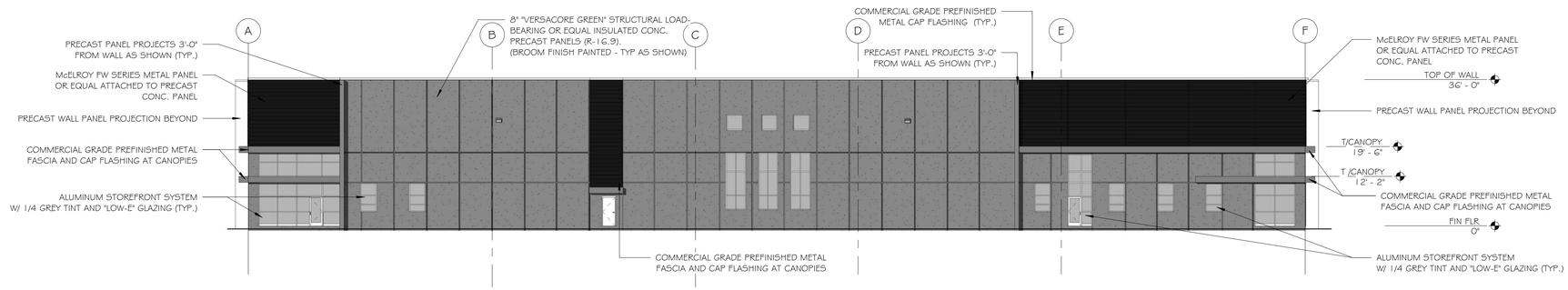
1 / A2.2 EAST ELEVATION ENLARGED a

1/16" = 1'-0"



2 / A2.2 EAST ELEVATION ENLARGED b

1/16" = 1'-0"



3 / A2.2 SOUTH ELEVATION ENLARGED

1/16" = 1'-0"

RUEDEBUSCH DEVELOPMENT & CONSTRUCTION
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4605 DOVETAIL DRIVE MADISON, WI 53704
PHONE 608.249.2012 FAX 608.249.2032

WYOMING PROJECT

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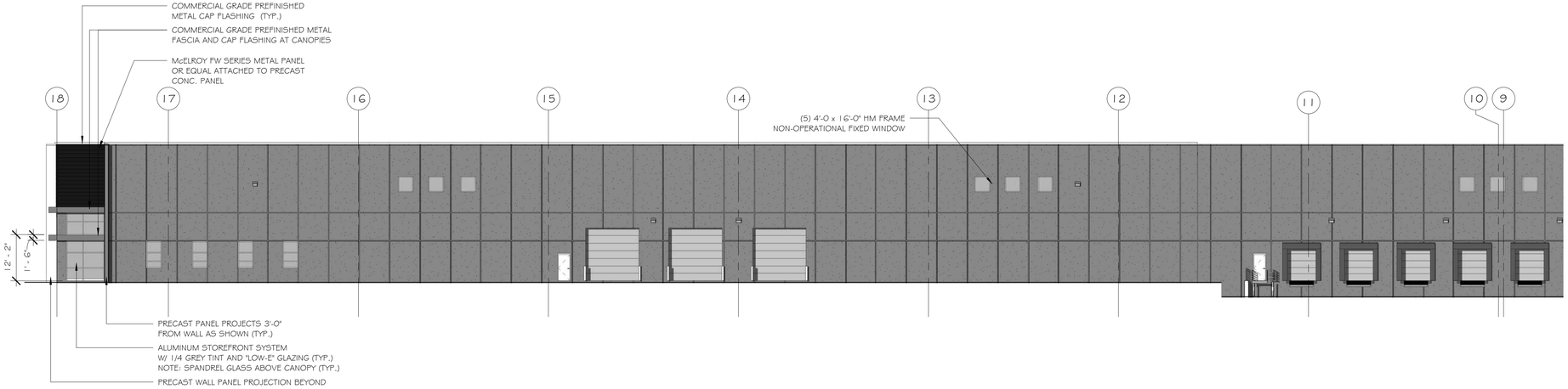
JOB NUMBER:	19032
DESIGNED BY:	TC
DRAWN BY:	TC
CHECKED BY:	TC
DATE:	1/13/2021

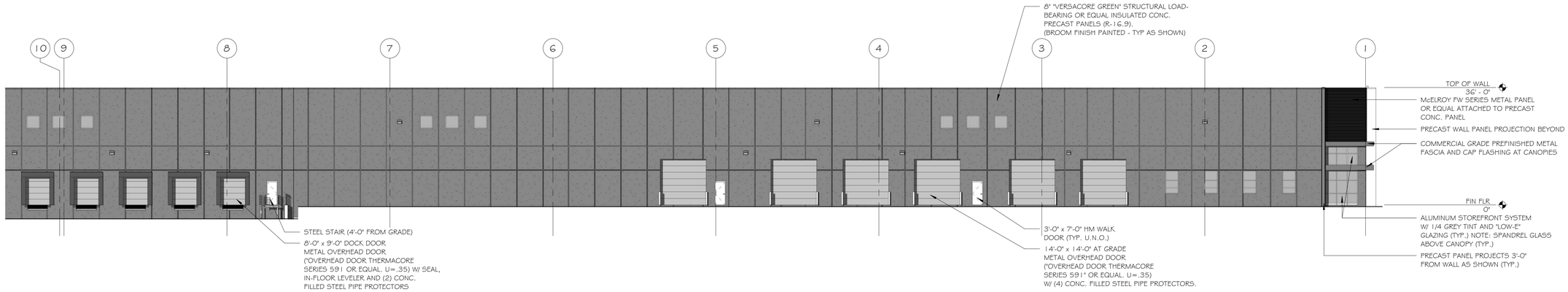
SHEET NO:

A2.2



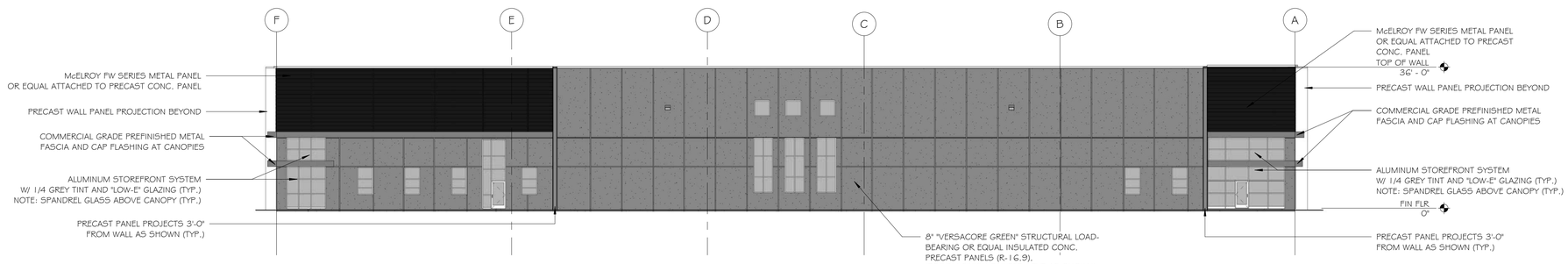
1 A2.3 WEST ELEVATION ENLARGED a

1/16" = 1'-0"



2 A2.3 WEST ELEVATION ENLARGED b

1/16" = 1'-0"



3 A2.3 NORTH ELEVATION ENLARGED

1/16" = 1'-0"

RUEDEBUSCH DEVELOPMENT & CONSTRUCTION
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WYOMING PROJECT

BUILDING #1
WEST OF FUTURE GALLEON RUN
4800 VOGES ROAD
MADISON, WISCONSIN 53718

Revision Number	Revision Description	Revision Date	Issued by

SHEET TITLE:
ENLARGED ELEVATIONS

JOB NUMBER:	19032
DESIGNED BY:	TC
DRAWN BY:	TC
CHECKED BY:	TC
DATE:	1/13/2021

SHEET NO:

A2.3

METAL PANEL-McELROY
"CHARCOAL GREY" OR EQUAL

CANOPIES - McELROY
"BRITE RED" OR EQUAL

WALL PANEL-
SHERWIN WILLIAMS
"REQUSITE GREY"

PARAPET METAL COPING,
GARAGE AND MAN DOORS
"ASH GREY"

EXAMPLE OF METAL PANEL
SIMILAR TO GREY PANEL AND
CANOPIES.

STOREFRONT GLAZING FRAMES
ANODIZED ALUMINUM

PROPOSED BUILDING
4800 VOGES ROAD
VIEW FROM SOUTHEAST

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