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

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.

FOR OFFICE USE ONLY:

Paid _____ Receipt # _____

Date received _____

Received by _____

Aldermanic District _____ _____

Zoning District _____ _____

Urban Design District _____ _____

RECEIVED

Submittal reviewed by _____

Legistar # _____

1. Project Information

Address: 2222 E Washington Ave, Madison WI 53704

Title: MMSD East High School renovation/Addition Project

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

UDC meeting date requested Wednesday, July 28, 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: Public Building - School

4. Applicant, Agent, and Property Owner Information

Applicant name Jackie Michaels — Company EUA

Street address 309 W Johnson Street, Suite 202 — City/State/Zip Madison, WI 53703

Telephone (414) 298-2240 — Email jackiem@eua.com

Project contact person Jackie Michaels — Company EUA

Street address 309 W Johnson Street, Suite 202 — City/State/Zip Madison, WI 53703

Telephone (414) 298-2240 — Email jackiem@eua.com

Property owner (if not applicant) Madison Metropolitan School District

Street address 4711 Pflaum Rd — City/State/Zip Madison, WI 53718

Telephone 608-204-7912 — Email blhalverson@madison.k12.wi.us

5. Required Submittal Materials

- ☑ **Application Form**
- ☑ **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.
- ☑ **Development Plans** (Refer to checklist on Page 4 for plan details)
- ☑ **Filing fee**
- ☑ **Electronic Submittal***
- ☑ **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 Chris Wells on March 25, 2021.

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 Jackie Michaels Relationship to property Agent for the owner

Authorizing signature of property owner Brandon Halverson Date 5/23/2021

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:

- ☑ 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

milwaukee : 333 E Chicago St | 414.271.5350
madison : 309 W Johnson St, Ste 202 | 608.442.5350
denver : 1899 Wynkoop St, Ste 300 | 303.595.4500
eua.com

To
City Treasurer
City of Madison Building Inspection

Date May 26, 2021
Project Number 320534-01
Project Name MMSD East High School Renovation/Addition

From Jackie Michaels

Subject
MMSD East High School Application Fee Cover Page

☐ Fax Number of Pages 1
Fax Number

Comments

PROJECT MEMO

Attached is a check to cover the UDC, Plan Commission and Landmarks Commission fees for the East High School (2222 E. Washington Avenue, Madison, WI 53704) project. East High School is an existing building that will receive a new Welcome Center, Fitness addition and heavy and light renovation to the building and site.

Respectfully,

Jackie Michaels, AIA, LEED AP BD+C
Senior Project Manager : Associate

EUA | 333 East Chicago Street | Milwaukee, WI 53202
main : 414.271.5350 | direct : 414.298.2240
milwaukee : madison : denver

eua.com

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June 1st, 2021

Urban Design Commission
City of Madison, Planning Division
215 Martin Luther King Blvd. #017
Madison, WI 53701-2985

Re: East High School Additions and Renovations
Letter of Intent – Project Description
EUA Project No.: 320534-01

Contacts:

Owner: Madison Metropolitan School District
4711 Pflaum Rd
Madison, WI 53718
Contact: Brandon Halverson
blhalverson@madison.k12.wi.us
(608) 204-7912

Civil Engineer: Wyser Engineering
312 Main Street
Mount Horeb, WI 53572
Contact: Wade P. Wyse, P.E.
wade.wyse@wyserengineering.com
(608) 437-1980

Landscape Design: Saiki Design
1110 S. Park Street
Madison, WI 53715
Contact: Jared Vincent
JVincent@ksd-la.com
(608) 405-8148

Architect: EUA
309 W. Johnson Street #202
Madison, WI 53703
Contact: Jackie Michaels
jackiem@eua.com
(414) 298-2240

Dear Commission Members:

The proposed project includes updating East High School located at 2222 East Washington Avenue. The goal of this project is to provide up to date learning environments for our Madison students. We are also updating much of the building infrastructure as many of those systems have reached the end of their life expectancy.

The project will include additions and interior renovations to the school building and renovations to the grounds and athletics fields. The summary of the proposed project follows.

School Building:

- Provide a new Welcome Center and front entrance to the school facing N 4th Street.
- Provide a new cafeteria expansion addition along N 4th Street with band and orchestra classrooms and associated practice rooms above.
- Partially infill a courtyard with new fitness center next to the existing field house.
- Renovating existing locker rooms to accommodate ADA.
- In addition to the additions listed, much of the building interior spaces and Mechanical, Electrical and Plumbing systems will be renovated. All toilet rooms will be made ADA accessible and 2 new elevators are to be added. These new elevators will improve ADA access to all parts of the building.
- For improved safety, the building is being fully sprinklered and an updated fire alarm system is being added.
- The building envelope is being improved with some exterior tuckpointing, roof replacement and window replacement.

Grounds and Athletics:

- To respond to the new additions, entry sidewalk and walkway is being planned from N 4th Street to the new Welcome Center.
- Parking lot repaving and striping along N 4th Street near new Welcome Center.
- New storm water bio retention areas are being planned to offset the new planned additions.
- New competition turf football field with relocated goal post.

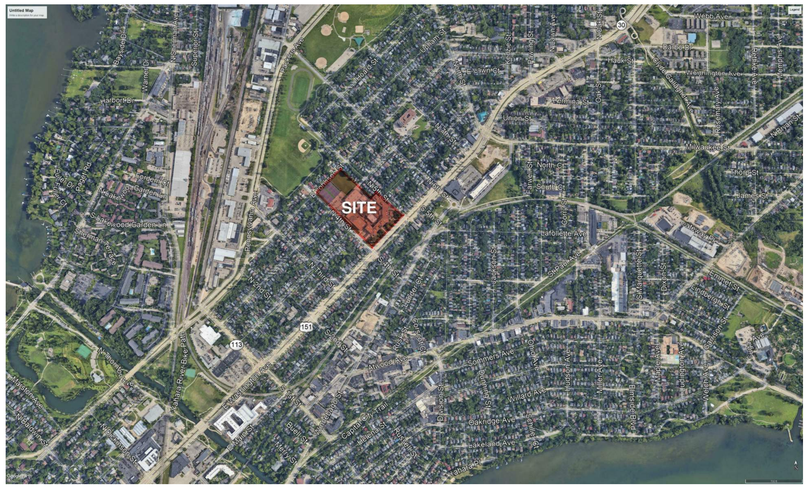
The original East High School, designed by Frank Riley in 1922, is recognized as a Landmark by the City of Madison. According to the *National Park Service Technical Preservation Briefs*, a new addition must preserve the building's historic character and, to do that, it must be differentiated, but compatible with the historic building. A new addition must retain the essential form and integrity of the historic property. The additions to East High School are harmonious with, but do not overshadow the original design or subsequent additions. Identifying proportions and architectural elements of the original building informed the mass and articulation of the additions. Stone window surrounds and wall detailing are included in the additions but in a manner that allows each element of East High School to stand on its own. Predominant materials of the additions are modular brick masonry common bond to match the coursing of the original building, precast concrete details, banding and panels.

SHEET NUMBER	SHEET NAME
T-00	COVER
T-01	SITE LOCATION
V-01	TOPOGRAPHICAL AND UTILITY SURVEY
V-02	TOPOGRAPHICAL AND UTILITY SURVEY
V-03	TOPOGRAPHICAL AND UTILITY SURVEY
C-10	SITE PLAN - OVERALL
C-11	SITE PLAN - BUILDING ADDITIONS
C-20	GRADING & EROSION CONTROL PLAN
C-01	DETAIL GRADING & EROSION CONTROL PLAN
C-30	UTILITY PLAN
C-31	UTILITY PLAN - BUILDING ADDITION DETAIL
F-10	FIRE APPARATUS ACCESS EXHIBIT
L-10	LANDSCAPE PLAN - EXISTING CONDITIONS
L-11	LANDSCAPE PLAN
L-12	LANDSCAPE PLAN ENLARGEMENTS

SHEET NUMBER	SHEET NAME
A-00	EXISTING SITE IMAGES
A-01	ARCHITECTURAL DESIGN CONTEXT
A-02	BASEMENT FLOOR PLAN
A-03	GROUND FLOOR PLAN
A-04	1ST FLOOR PLAN
A-05	2ND FLOOR PLAN
A-06	3RD FLOOR PLAN
A-07	ROOF PLAN
A-10	BUILDING ELEVATIONS
A-11	BUILDING ELEVATIONS
A-12	PERSPECTIVES
A-13	PERSPECTIVES
A-14	MATERIALS AND LIGHTING
E-01	ELECTRICAL SITE PLAN

MMSD - EAST HS ADDITION AND RENOVATION

2222 E. WASHINGTON AVE
MADISON, WI 53704



eua

UDC & PLAN COMMISSION

JUNE 1, 2021 **PROJECT NUMBER: 320534-01**

milwaukee 333 East Chicago Street Milwaukee, Wisconsin 53202 414.271.5350

madison 309 West Johnson Street, Suite 202 Madison, Wisconsin 53703 608.442.5350

denver 1899 Wynkoop Street, Suite 300 Denver, Colorado 80202 303.595.4500

PROJECT INFORMATION

MMSD - EAST HS ADDITION AND RENOVATION

2222 E.
WASHINGTON AVE
MADISON, WI 53704

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
06/01/2021	INITIAL UDC AND PLAN COMMISSION

KEY PLAN

SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

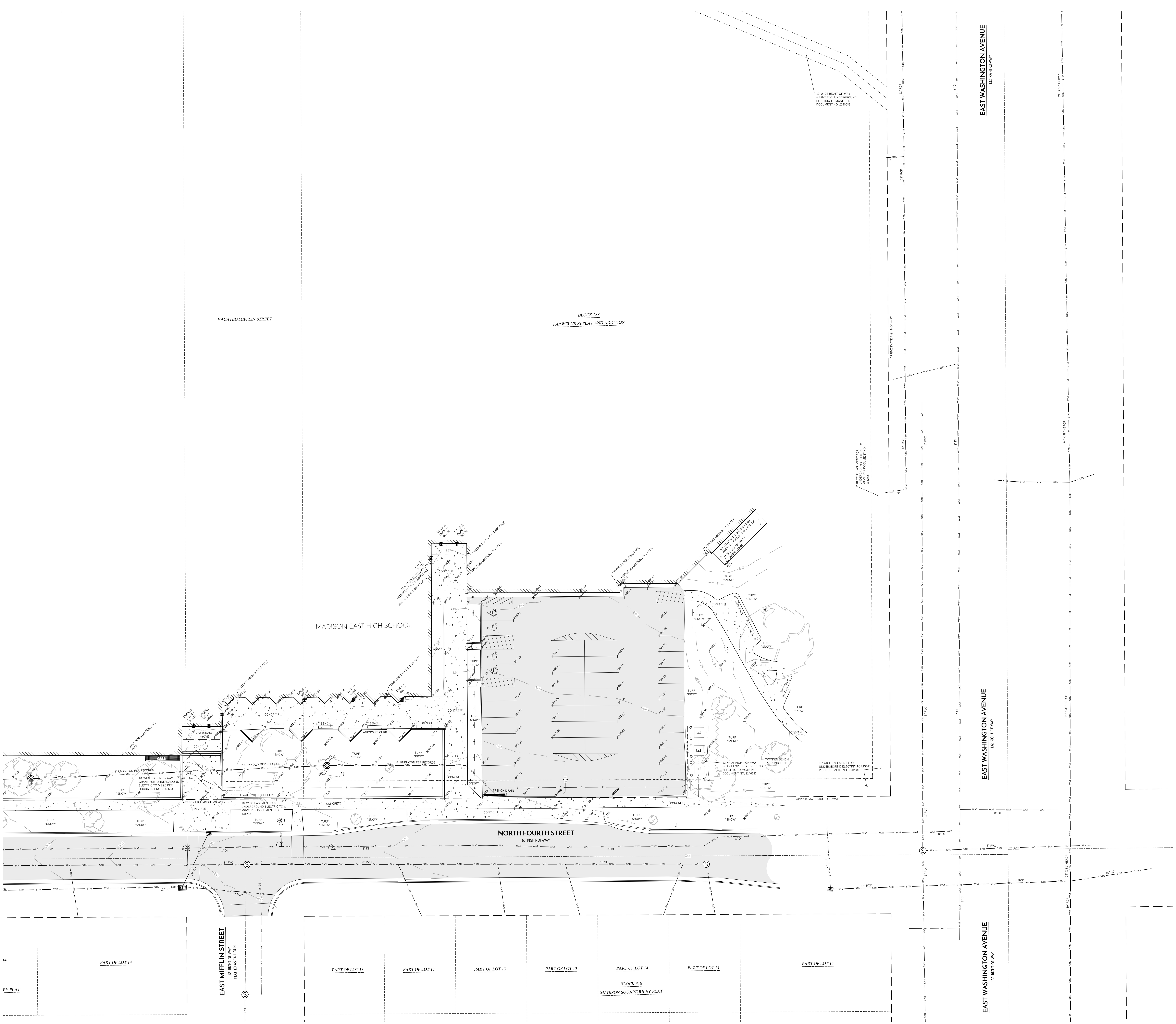
These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGEJACKIE MICHAELS

PROJECT NUMBER 320534-01

SITE LOCATION

T-01



NORTH

GRID NORTH WISCRS DANE NAD 83(2011)

0' 10' 20' 30'
1" = 20' on 30"x42"
NTS on 11"x17"

LEGEND

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1. FIELD WORK PERFORMED BY WYSER ENGINEERING, LLC. DURING THE MONTH OF JANUARY AND FEBRUARY 2021
2. NORTH REFERENCE FOR THIS ALTA/NSPS LAND TITLE SURVEY AND MAP ARE BASED ON THE WISCONSIN COORDINATE REFERENCE SYSTEM, NAD 83 (2011) - DANE COUNTY ZONE (WISCRS DANE), GRID NORTH.
3. SUBSURFACE UTILITIES AND FIXTURES SHOWN ON THIS MAP HAVE BEEN APPROXIMATED BY LOCATING VISIBLE SURFACE FEATURES AND ACCESSORIES, DIGGERS HOTLINE FIELD MARKINGS AND EXISTING MAPS AND RECORDS.
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WYSER ENGINEERING

PREPARED BY:
312 EAST MAIN STREET
MOUNT HOREB, WI 53572
www.wyserengineering.com

PREPARED FOR:
MADISON METROPOLITAN SCHOOL DISTRICT
4711 PFLAUM ROAD
MADISON, WI 53705

SURVEYED BY: ZMR/MAL
DRAWN BY: JWS
APPROVED BY: JWS

2222 E WASHINGTON AVE & 545 W DAYTON ST
MADISON, WI 53703-1991

MADISON EAST HIGH SCHOOL, BEING A PART OF SW - 1/4 OF THE NE - 1/4, THE NW - 1/4 OF THE SE - 1/4, THE NE - 1/4 OF THE SW -1/4 AND THE SE - 1/4 OF THE NW - 1/4, SECTION 6 T 7 N, R 10 E CITY OF MADISON, DANE COUNTY, WISCONSIN

Sheet Title: TOPOGRAPHICAL AND UTILITY SURVEY

Revisions:

No.	Date:	Description:

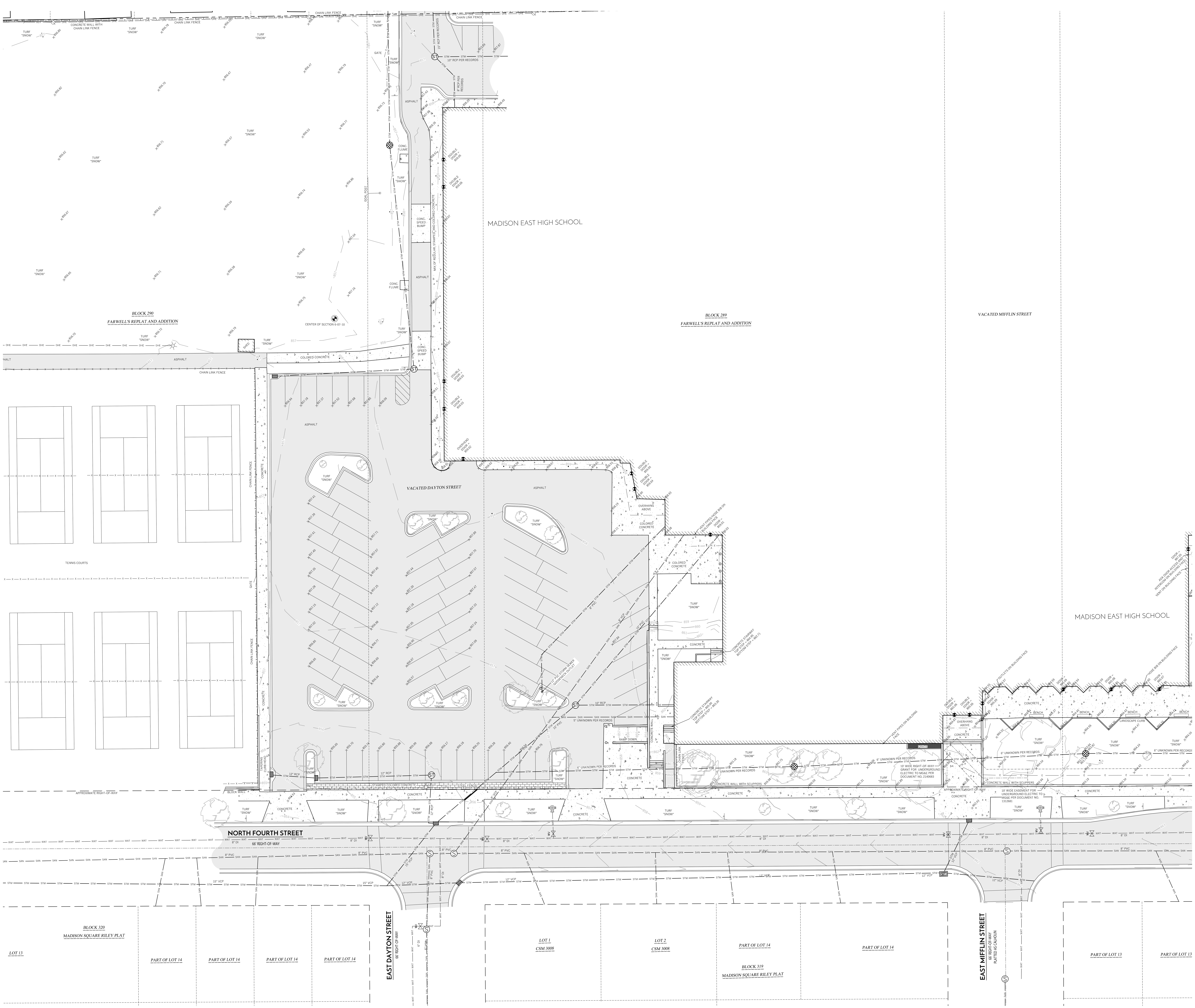
Graphic Scale: 0' 5' 10' 20' 30'

Wyser Number: 20-0696

Set Type: TOPO MAP

Date Issued: 02/16/2021

Sheet Number: V-01



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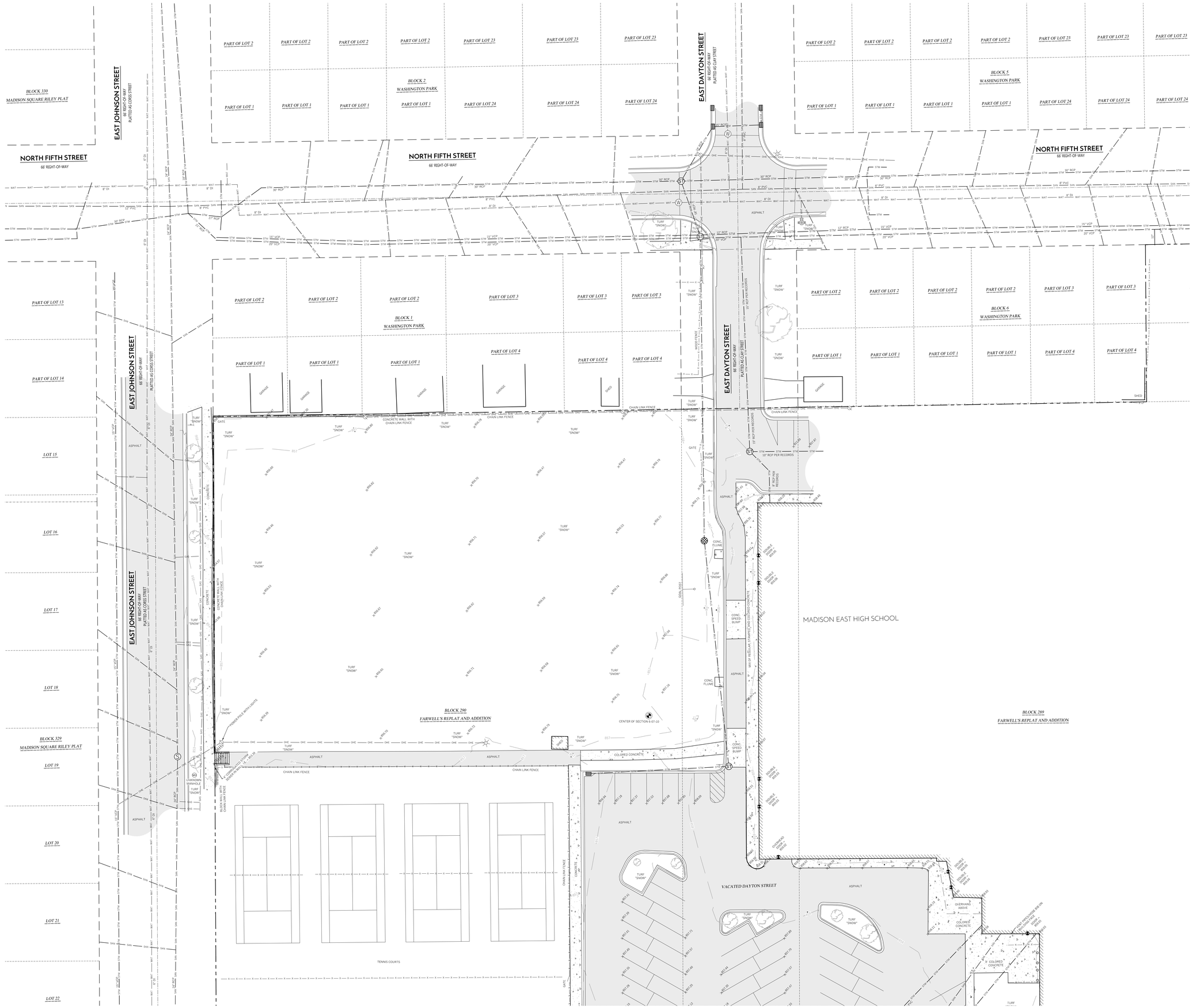

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denver 1899 Wynkoop Street, Suite 300 Denver, Colorado 80202 303.595.4500

PROJECT INFORMATION

MMSD - EAST HIGH SCHOOL

2222 E.
WASHINGTON AVE
MADISON, WI 53704

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
06/01/2021	INITIAL UDC AND PLAN COMMISSION

KEY PLAN

SHEET INFORMATION

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PROJECT MANAGER	JM
PROJECT NUMBER	320534-01

SITE PLAN - OVERALL

C-10

milwaukee 333 East Chicago Street Milwaukee, Wisconsin 53202 414.271.5350

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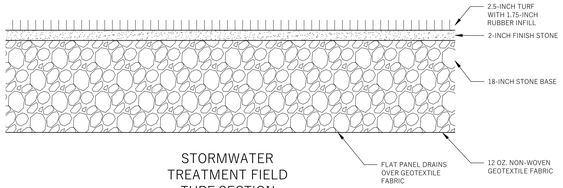
PROJECT MANAGER JM

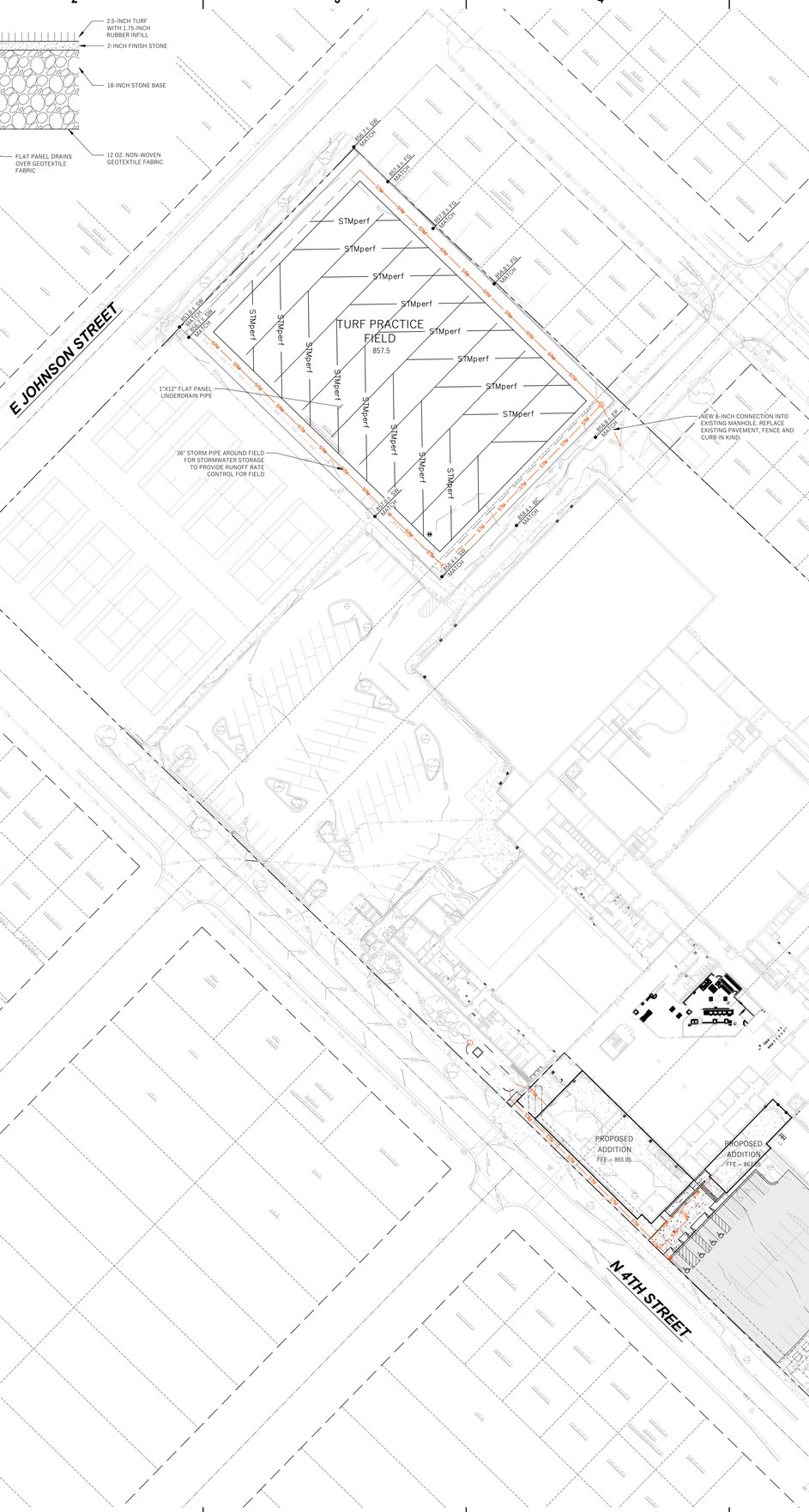
PROJECT NUMBER 320534-01

SITE PLAN - BUILDING ADDITIONS

C-11



STORMWATER TREATMENT FIELD TURF SECTION



NORTH
0' 10' 20' 40' 60'

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madison 309 West Johnson Street, Suite 202 Madison, Wisconsin 53703 608.442.5350

denver 1899 Wynkoop Street, Suite 300 Denver, Colorado 80202 303.595.4500

PROJECT INFORMATION

MMSD - EAST HIGH SCHOOL

2222 E.
WASHINGTON AVE
MADISON, WI 53704

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
06/01/2021	INITIAL UDC AND PLAN COMMISSION

KEY PLAN

SHEET INFORMATION

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PROJECT MANAGER	JM
PROJECT NUMBER	320534-01

GRADING & EROSION CONTROL PLAN

C-20

STORM WATER MANAGEMENT (BIORETENTION)

PROPOSED ADDITION
FFE = 865.05

PROPOSED ADDITION
FFE = 867.05

UNDERGROUND ELECTRIC IN EASEMENT TO BE RELOCATED

EXISTING STORM SEWER TO BE REMOVED

UNDERGROUND STORM WATER MANAGEMENT

EXISTING STORM DRAIN FROM PARKING LOT RUNOFF TO BE REROUTED

N 4TH STREET

PART OF LOT 13

PART OF LOT 12

PART OF LOT 13

PART OF LOT 12

PART OF LOT 13

NORTH
0' 5' 10' 20'

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PROJECT INFORMATION

MMSD - EAST HIGH SCHOOL

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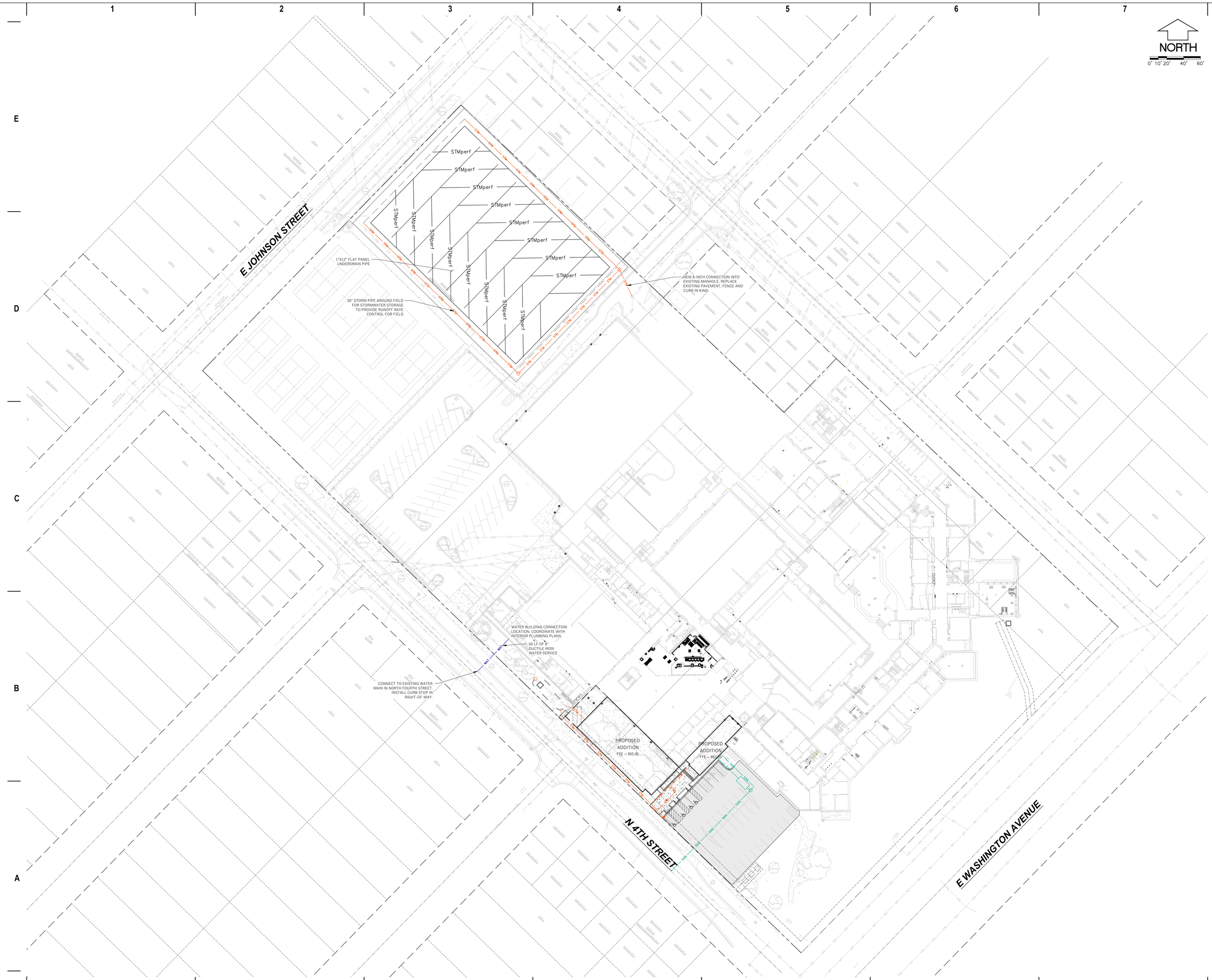
PROJECT MANAGER JM

PROJECT NUMBER 320534-01

DETAIL GRADING & EROSION CONTROL PLAN

C-21



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PROJECT INFORMATION

MMSD - EAST HIGH SCHOOL

2222 E. WASHINGTON AVE MADISON, WI 53704

ISSUANCE AND REVISIONS

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PROJECT MANAGER	JM
PROJECT NUMBER	320534-01

UTILITY PLAN

C-30

STORM WATER MANAGEMENT (BIORETENTION)

STORM BUILDING CONNECTION LOCATION. COORDINATE WITH INTERIOR PLUMBING PLANS.

30 LF OF 6" PVC BUILDING STORM SEWER

UNDERGROUND ELECTRIC IN EASEMENT TO BE RELOCATED

PROPOSED ADDITION
FFE = 865.05

150 LF OF 8" PVC STORM SEWER

EXISTING STORM SEWER TO BE REMOVED

UNDERGROUND STORMWATER TREATMENT SYSTEM. 2 - 60" HDPE PIPES @ 30 LF CURRENTLY SHOWN.

34 LF OF 6" PVC BUILDING STORM

UNDERGROUND STORM WATER MANAGEMENT

LILLEHAMMER LANE

15 LF OF 8" PVC STORM SEWER

PARKING LOT STORM INLET

PROPOSED ADDITION
FFE = 867.05

SANITARY BUILDING CONNECTION LOCATIONS
I.E. = 862.0 ±
COORDINATE WITH INTERIOR PLUMBING PLANS.

STORM BUILDING CONNECTION LOCATION. COORDINATE WITH INTERIOR PLUMBING PLANS.

60 LF OF 6" PVC SANITARY SEWER

35 LF OF 6" PVC GREASE DRAIN

LARGE VOLUME GREASE INTERCEPTOR DESIGN BY OTHERS

48" DIAMETER SANITARY MANHOLE AT CONNECTION.

135 LF OF 6" PVC SANITARY SEWER

CONNECT TO EXISTING SANITARY SEWER MAIN IN NORTH FOURTH STREET.

PART OF LOT 13

PART OF LOT 12

PART OF LOT 13

PART OF LOT 12

PART OF LOT 13

NORTH
0' 5' 10' 20'

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414.271.5350

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PROJECT INFORMATION

MMSD - EAST HIGH SCHOOL

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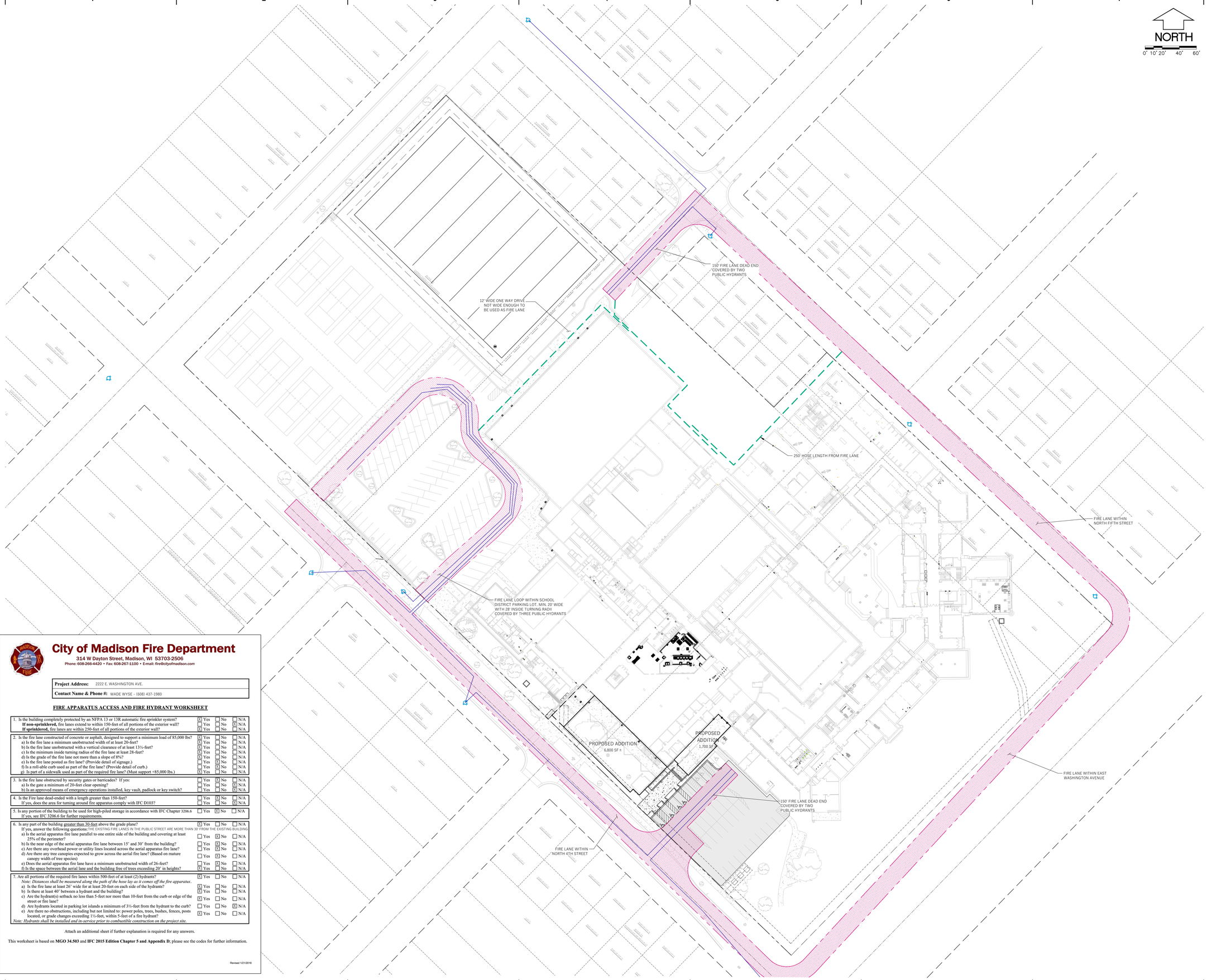
PROJECT MANAGER JM

PROJECT NUMBER 320534-01

UTILITY PLAN - BUILDING ADDITION DETAIL

C-31



City of Madison Fire Department

314 W Dayton Street, Madison, WI 53703-2506
Phone: 608-266-4420 • Fax: 608-267-1100 • E-mail: fire@cityofmadison.com

Project Address: 2222 E. WASHINGTON AVE.

Contact Name & Phone #: WADE WYSE - (608) 437-1980

FIRE APPARATUS ACCESS AND FIRE HYDRANT WORKSHEET

1. Is the building completely protected by an NFPA 13 or 13R automatic fire sprinkler system?	[X] Yes	[ ] No	[ ] N/A
If non-sprinklered, fire lanes extend to within 150-feet of all portions of the exterior wall?	[ ] Yes	[ ] No	[X] N/A
If sprinklered, fire lanes are within 250-feet of all portions of the exterior wall?	[X] Yes	[ ] No	[ ] N/A
2. Is the fire lane constructed of concrete or asphalt, designed to support a minimum load of 85,000 lbs?	[X] Yes	[ ] No	[ ] N/A
a) Is the fire lane a minimum unobstructed width of at least 20-feet?	[X] Yes	[ ] No	[ ] N/A
b) Is the fire lane unobstructed with a vertical clearance of at least 13½-feet?	[X] Yes	[ ] No	[ ] N/A
c) Is the minimum inside turning radius of the fire lane at least 28-feet?	[X] Yes	[ ] No	[ ] N/A
d) Is the grade of the fire lane not more than a slope of 8%?	[X] Yes	[ ] No	[ ] N/A
e) Is the fire lane posted as fire lane? (Provide detail of signage.)	[ ] Yes	[X] No	[ ] N/A
f) Is a roll-able curb used as part of the fire lane? (Provide detail of curb.)	[ ] Yes	[X] No	[ ] N/A
g) Is part of a sidewalk used as part of the required fire lane? (Must support ±85,000 lbs.)	[X] Yes	[ ] No	[ ] N/A
3. Is the fire lane obstructed by security gates or barricades? If yes:	[ ] Yes	[X] No	[ ] N/A
a) Is the gate a minimum of 20-feet clear opening?	[ ] Yes	[ ] No	[X] N/A
b) Is an approved means of emergency operations installed, key vault, padlock or key switch?	[ ] Yes	[ ] No	[X] N/A
4. Is the Fire lane dead-ended with a length greater than 150-feet?	[ ] Yes	[X] No	[ ] N/A
If yes, does the area for turning around fire apparatus comply with IFC D103?	[ ] Yes	[ ] No	[X] N/A
5. Is any portion of the building to be used for high-piled storage in accordance with IFC Chapter 3206.6 If yes, see IFC 3206.6 for further requirements.	[ ] Yes	[X] No	[ ] N/A
6. Is any part of the building greater than 30-feet above the grade plane?	[X] Yes	[ ] No	[ ] N/A
If yes, answer the following questions: THE EXISTING FIRE LANES IN THE PUBLIC STREET ARE MORE THAN 30' FROM THE EXISTING BUILDING			
a) Is the aerial apparatus fire lane parallel to one entire side of the building and covering at least 25% of the perimeter?	[ ] Yes	[X] No	[ ] N/A
b) Is the near edge of the aerial apparatus fire lane between 15' and 30' from the building?	[ ] Yes	[X] No	[ ] N/A
c) Are there any overhead power or utility lines located across the aerial apparatus fire lane?	[ ] Yes	[X] No	[ ] N/A
d) Are there any tree canopies expected to grow across the aerial fire lane? (Based on mature canopy width of tree species)	[ ] Yes	[X] No	[ ] N/A
e) Does the aerial apparatus fire lane have a minimum unobstructed width of 26-feet?	[ ] Yes	[X] No	[ ] N/A
f) Is the space between the aerial lane and the building free of trees exceeding 20' in heights?	[X] Yes	[ ] No	[ ] N/A
7. Are all portions of the required fire lanes within 500-feet of at least (2) hydrants? *Note: Distances shall be measured along the path of the hose lay as it comes off the fire apparatus.*	[X] Yes	[ ] No	[ ] N/A
a) Is the fire lane at least 26' wide for at least 20-feet on each side of the hydrants?	[X] Yes	[ ] No	[ ] N/A
b) Is there at least 40' between a hydrant and the building?	[X] Yes	[ ] No	[ ] N/A
c) Are the hydrant(s) setback no less than 5-feet nor more than 10-feet from the curb or edge of the street or fire lane?	[X] Yes	[ ] No	[ ] N/A
d) Are hydrants located in parking lot islands a minimum of 3½-feet from the hydrant to the curb?	[ ] Yes	[ ] No	[X] N/A
e) Are there no obstructions, including but not limited to: power poles, trees, bushes, fences, posts located, or grade changes exceeding 1½-feet, within 5-feet of a fire hydrant?	[X] Yes	[ ] No	[ ] N/A

Note: Hydrants shall be installed and in-service prior to combustible construction on the project site.

Attach an additional sheet if further explanation is required for any answers.

This worksheet is based on **MGO 34.503** and **IFC 2015 Edition Chapter 5 and Appendix D**; please see the codes for further information.

Revised 1/21/2016

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PROJECT INFORMATION

MMSD - EAST HIGH SCHOOL

2222 E.
WASHINGTON AVE
MADISON, WI 53704

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
06/01/2021	INITIAL UDC AND PLAN COMMISSION

KEY PLAN

SHEET INFORMATION

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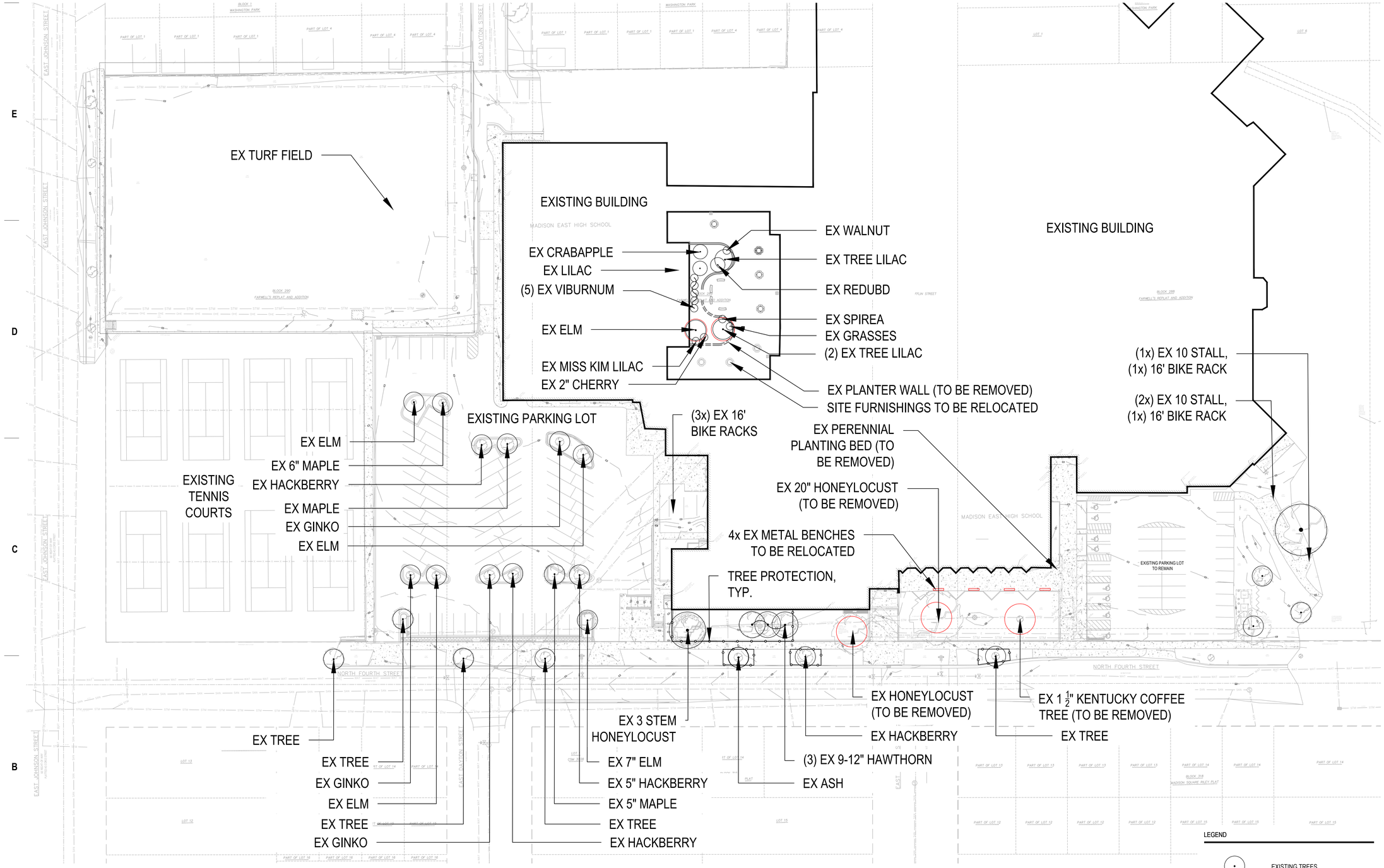
PROJECT MANAGER JM

PROJECT NUMBER 320534-01

FIRE APPARATUS ACCESS EXHIBIT

F-10



LEGEND

- EXISTING TREES
- EX TREE TO BE REMOVED
- TREE PROTECTION

0 30' 60'
1" = 30'-0"

NORTH

TREE PROTECTION & REMOVAL NOTES

1. All proposed street tree removals within the right of way shall be reviewed by City Forestry before the Plan Commission meeting. Street tree removals require approval and a tree removal permit issued by City Forestry. Any street tree removals requested after the development plan is approved by the Plan Commission or the Board of Public Works and City Forestry will require a minimum of a 72-hour review period which shall include the notification of the Alderperson within who's district is affected by the street tree removal(s) prior to a tree removal permit being issued.
2. Contractor shall contact City Forestry at 266-4816 to issue a street tree removal permit for (X) tree(s) (dbh) diameter (variety) tree due to (reason) at (location).
3. As defined by the Section 107.13 of City of Madison Standard Specifications for Public Works Construction: No excavation is permitted within 5 feet of the trunk of the street tree or when cutting roots over 3 inches in diameter. If excavation is necessary, the Contractor shall contact Madison City Forestry (266-4816) prior to excavation. City of Madison Forestry personnel shall assess the impact to the tree and to its root system prior to work commencing. Tree protection specifications can be found on the following website: https://www.cityofmadison.com/business/pw/specs.cfm
4. Contractor shall take precautions during construction to not disfigure, scar, or impair the health of any street tree. Contractor shall operate equipment in a manner as to not damage the branches of the street tree(s). This may require using smaller equipment and loading and unloading materials in a designated space away from trees on the construction site. Any damage or injury to existing street trees (either above or below ground) shall be reported immediately to City Forestry at 266-4816. Penalties and remediation shall be required.
5. Section 107.13(g) of City of Madison Standard Specifications for Public Works Construction addresses soil compaction near street trees and shall be followed by Contractor. The storage of parked vehicles, construction equipment, building materials, refuse, excavated spoils or dumping of poisonous materials on or around trees and roots within five (5) feet of the tree or within the protection zone is prohibited.
6. On this project, street tree protection zone fencing is required. The fencing shall be erected before the demolition, grading or construction begins. The fence shall include the entire width of terrace and, extend at least 5 feet on both sides of the outside edge of the tree trunk. Do not remove the fencing to allow for deliveries or equipment access through the tree protection zone.
7. Street tree pruning shall be coordinated with Madison Forestry at a minimum of two weeks prior to the start of construction for this project. All pruning shall follow the American National Standards Institute (ANSI) A300 - Part 1 Standards for pruning.
8. At least one week prior to street tree planting, Contractor shall contact City Forestry at (608) 266-4816 to schedule inspection and approval of nursery tree stock and review planting specifications with the landscaper.
9. Forestry Specialist: Brad Hofmann (Districts 3, 7 and 8)
   - 9.1. Brad Hofmann
   - 9.2. 608.220.6796 (Cell)
   - 9.3. 608.267.4908 (Office)
   - 9.4. bhofmann@cityofmadison.com

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PROJECT INFORMATION

MMSD - EAST HIGH SCHOOL

2222 E. WASHINGTON AVE, MADISON, WI 53704

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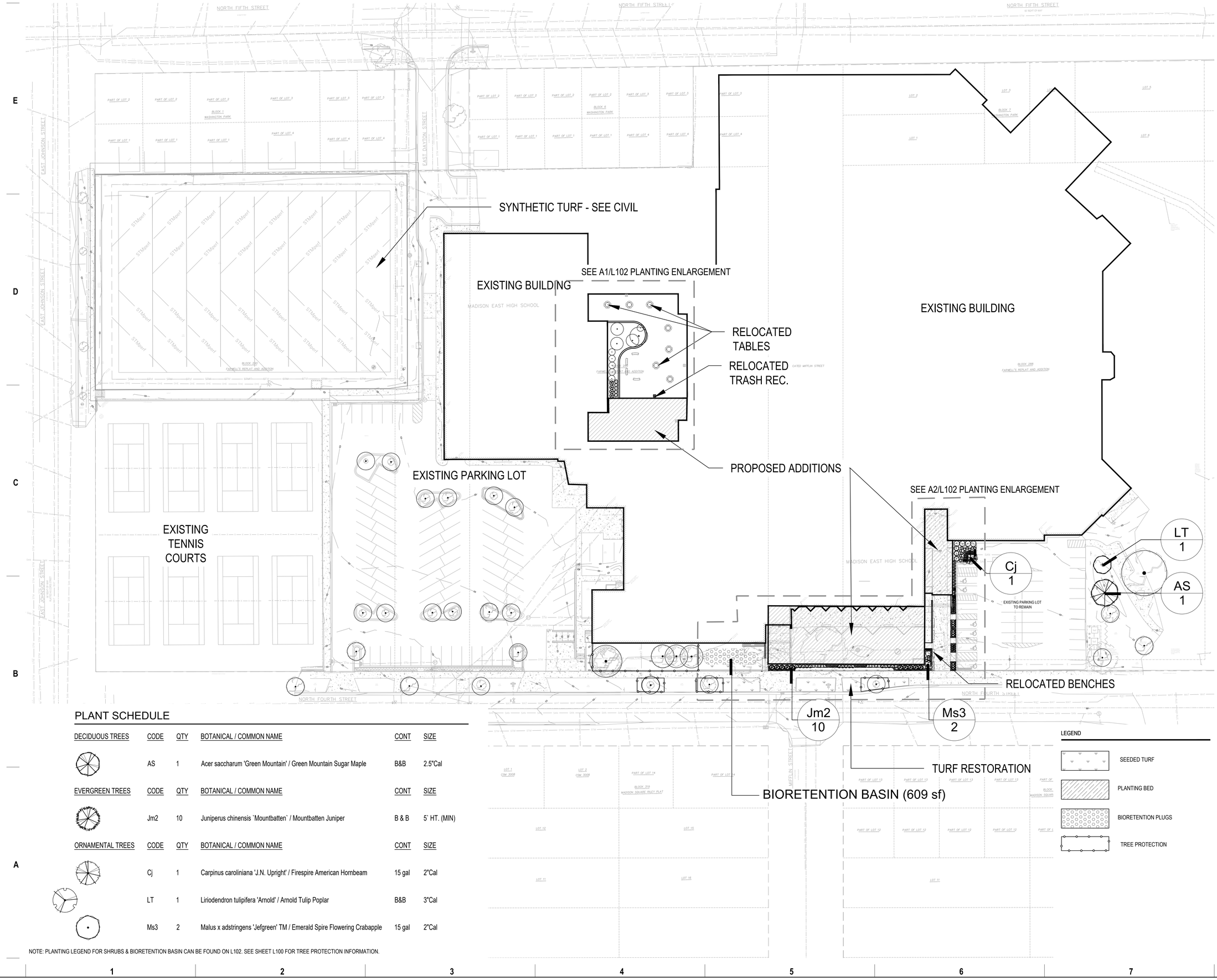
PROJECT MANAGER JM

PROJECT NUMBER 320534-01

LANDSCAPE PLAN - EXISTING CONDITIONS

L10



PLANT SCHEDULE

DECIDUOUS TREES	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SIZE
	AS	1	Acer saccharum 'Green Mountain' / Green Mountain Sugar Maple	B&B	2.5"Cal
EVERGREEN TREES	**CODE**	**QTY**	**BOTANICAL / COMMON NAME**	**CONT**	**SIZE**
	Jm2	10	Juniperus chinensis `Mountbatten` / Mountbatten Juniper	B & B	5` HT. (MIN)
ORNAMENTAL TREES	**CODE**	**QTY**	**BOTANICAL / COMMON NAME**	**CONT**	**SIZE**
	Cj	1	Carpinus caroliniana 'J.N. Upright' / Firespire American Hornbeam	15 gal	2"Cal
	LT	1	Liriodendron tulipifera 'Arnold' / Arnold Tulip Poplar	B&B	3"Cal
	Ms3	2	Malus x adstringens 'Jefgreen' TM / Emerald Spire Flowering Crabapple	15 gal	2"Cal

NOTE: PLANTING LEGEND FOR SHRUBS & BIORETENTION BASIN CAN BE FOUND ON L102. SEE SHEET L100 FOR TREE PROTECTION INFORMATION.

LEGEND

- SEEDED TURF
- PLANTING BED
- BIORETENTION PLUGS
- TREE PROTECTION

0 30' 60'
1" = 30'-0"
NORTH

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PROJECT INFORMATION

MMSD - EAST HIGH SCHOOL

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PROJECT MANAGER JM

PROJECT NUMBER 320534-01

LANDSCAPE PLAN

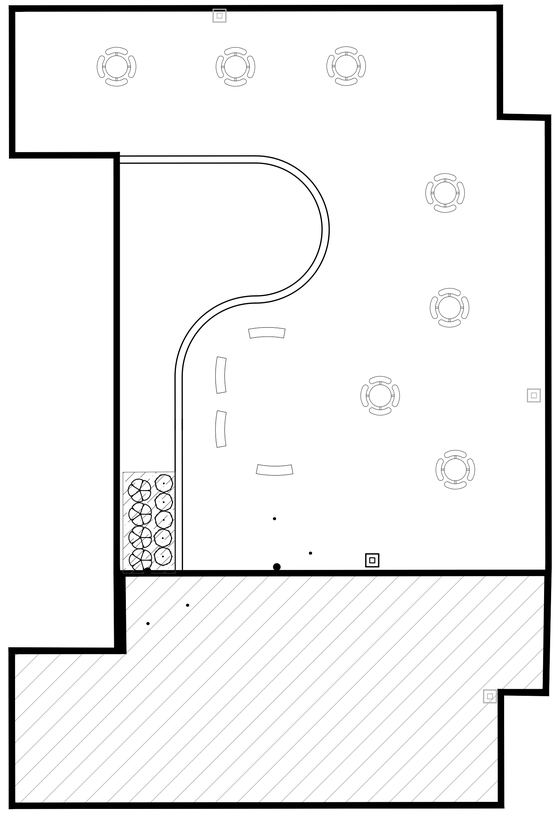
L11

PLANT SCHEDULE

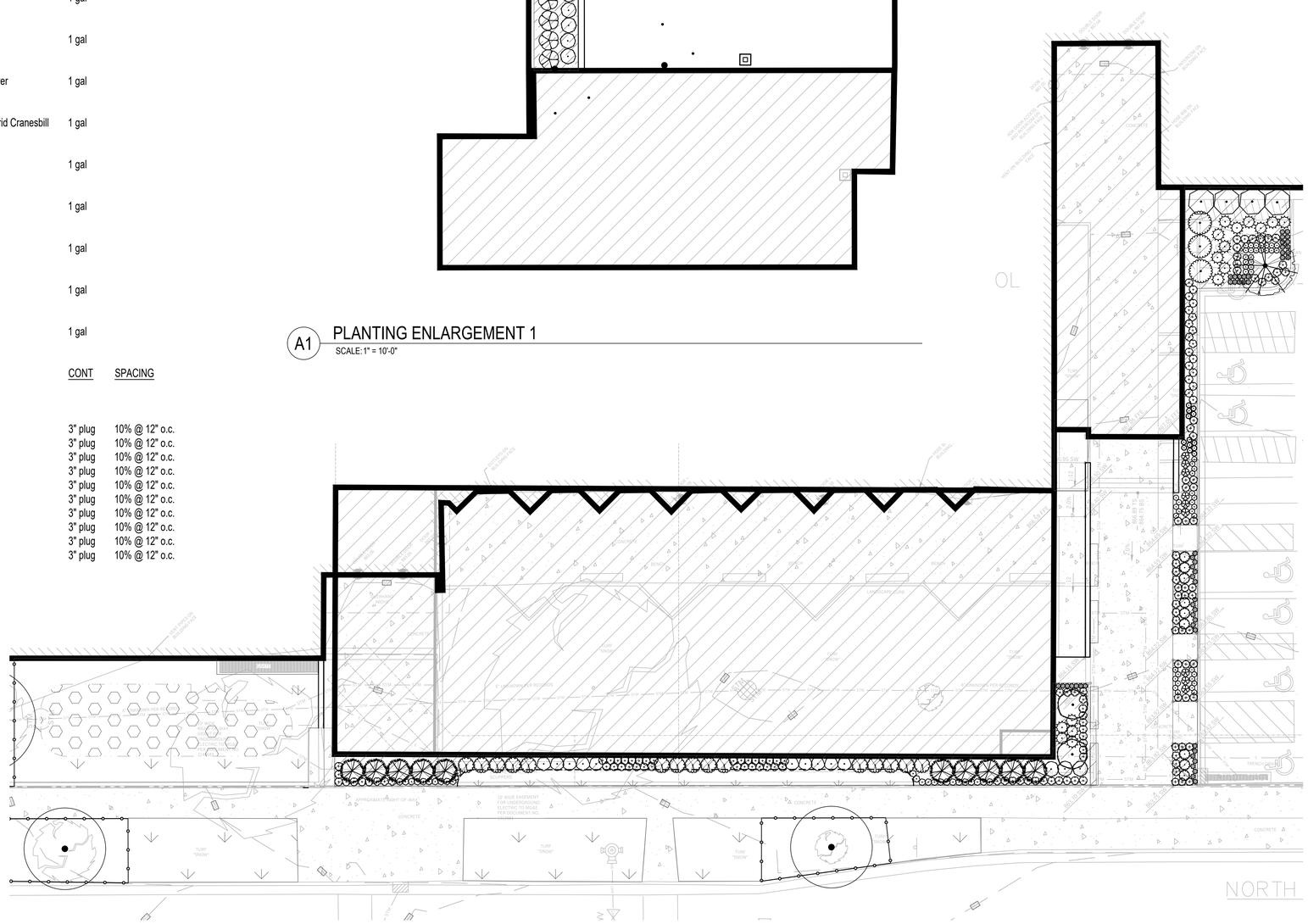
SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	CONT
	Ha2	10	Hypericum kalmianum 'Ames' / Ames St. Johnswort	3 gal
EVERGREEN SHRUBS	**CODE**	**QTY**	**BOTANICAL / COMMON NAME**	**CONT**
	Jk	3	Juniperus x pfitzeriana `Kallay`s Compact` / Juniper	3 gal
	Tm	4	Taxus x media `Densiformis` / Dense Yew	5 gal
ORNAMENTAL GRASSES	**CODE**	**QTY**	**BOTANICAL / COMMON NAME**	**CONT**
	sht	16	Sporobolus heterolepis `Tara` / Prairie Dropseed	1 gal
DECIDUOUS SHRUBS	**CODE**	**QTY**	**BOTANICAL / COMMON NAME**	**CONT**
	Hb	4	Hydrangea paniculata `ILVOBO` TM / Bobo Panicled Hydrangea	3 gal
	Pd	15	Physocarpus opulifolius `Donna May` TM / Little Devil Ninebark	3 gal
	St	8	Spiraea betulifolia `Tor` / Tor Birchleaf Spirea	3 gal
HERBACEOUS PERENNIALS	**CODE**	**QTY**	**BOTANICAL / COMMON NAME**	**CONT**
	am	51	Allium x `Millenium` / Millenium Ornamental Onion	1 gal
	abi	26	Amsonia x `Blue Ice` / Blue Ice Bluestar	1 gal
	expm	13	Echinacea x `Pixie Meadowbrite` / Pixie Meadowbrite Purple Coneflower	1 gal
	gbk	49	Geranium x cantabrigiense `Biokovo Karmina` / Biokovo Karmina Hybrid Cranesbill	1 gal
	Hm2	63	Hemerocallis x 'Grape Magic' / Grape Magic Daylily	1 gal
	Hh	48	Hemerocallis x 'Happy Returns' / Happy Returns Daylily	1 gal
	Nw	9	Nepeta x `Walker`s Low` / Walker`s Low Catmint	1 gal
	rf	31	Rudbeckia fulgida `Goldsturm` / Goldsturm Coneflower	1 gal
	snc	9	Salvia nemorosa `Caradonna` / Cardonna Perennial Salvia	1 gal

GROUND COVERS	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SPACING
		609 sf	BIORETENTION BASIN		
	acn	64	Allium cernuum / Nodding Onion	3" plug	10% @ 12" o.c.
	dpp	64	Dalea purpurea / Purple Prairie Clover	3" plug	10% @ 12" o.c.
	ivb	64	Iris versicolor / Blue Flag	3" plug	10% @ 12" o.c.
	lsg	64	Lobelia siphilitica / Great Lobelia	3" plug	10% @ 12" o.c.
	mfb	64	Monarda fistulosa / Bergamot	3" plug	10% @ 12" o.c.
	pvg	64	Panicum virgatum / Switch Grass	3" plug	10% @ 12" o.c.
	rss	64	Rudbeckia subtomentosa / Sweet Black-eyed Susan	3" plug	10% @ 12" o.c.
	sng	64	Sorghastrum nutans / Indian Grass	3" plug	10% @ 12" o.c.
	shp	64	Sporobolus heterolepis / Prairie Dropseed	3" plug	10% @ 12" o.c.
	sna	64	Symphyotrichum novae-angliae / New England Aster	3" plug	10% @ 12" o.c.

NOTE: PLANTING LEGEND FOR TREES CAN BE FOUND ON L101. SEE SHEET L100 FOR TREE PROTECTION INFORMATION.



A1 PLANTING ENLARGEMENT 1
SCALE: 1" = 10'-0"



A2 PLANTING ENLARGEMENT 2
SCALE: 1" = 10'-0"

LEGEND

- SEEDED TURF
- PLANTING BED
- BIORETENTION PLUGS
- TREE PROTECTION

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PROJECT INFORMATION

MMSD - EAST HIGH SCHOOL

2222 E. WASHINGTON AVE, MADISON, WI 53704

ISSUANCE AND REVISIONS

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06/01/2021	INITIAL UDC AND PLAN COMMISSION

KEY PLAN

0 10' 20'
1" = 10'-0"
NORTH

SHEET INFORMATION

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PROJECT MANAGER	JM
PROJECT NUMBER	320534-01

LANDSCAPE PLAN ENLARGEMENTS

L12

1. JOHNSON STREET LOOKING EAST

2. N. 5TH STREET LOOKING NORTH

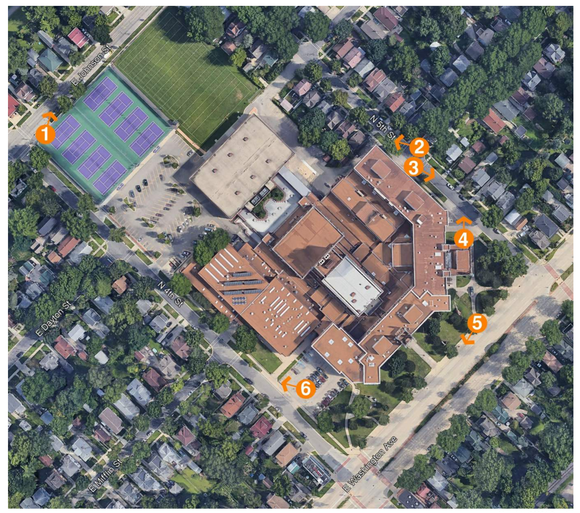
3. N. 5TH STREET LOOKING SOUTH

4. SCHOOL LOOKING ACROSS 5TH STREET

5. EAST WASHINGTON AVE LOOKING WEST

6. N. 4TH STREET LOOKING NORTH

LOCATION KEY FOR EXISTING PHOTOS



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PROJECT INFORMATION

MMSD - EAST HS ADDITION AND RENOVATION

2222 E. WASHINGTON AVE MADISON, WI 53704

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PROJECT MANAGEIJACKIE MICHAELS

PROJECT NUMBER 320534-01

EXISTING SITE IMAGES

A-00

1. VEIW FROM E. WASHINGTON AVE

2. VIEW OF PROPOSED ENTRY ADDITION

3. VIEW OF ORIGINAL MAIN ENTRY

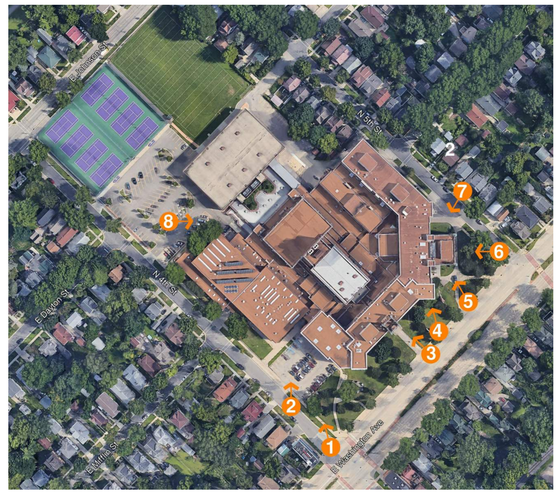
4. VIEW OF ORIGINAL CLASSROOM WING

5. VIEW OF MASS AT E. WASHINGTON AND 5TH STREET

6. ELEVATION VIEW AT E. WASHINGTON AND 5TH STREET

7. VIEW AT E. WASHINGTON AND 5TH STREET

7. VIEW AT FITNESS ADDTION



Map data ©2021 Google

PHOTO KEY

eua

milwaukee 333 East Chicago Street Milwaukee, Wisconsin 53202 414.271.5350

madison 309 West Johnson Street, Suite 202 Madison, Wisconsin 53703 608.442.5350

denver 1899 Wynkoop Street, Suite 300 Denver, Colorado 80202 303.595.4500

PROJECT INFORMATION

MMSD - EAST HS ADDITION AND RENOVATION

2222 E. WASHINGTON AVE MADISON, WI 53704

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
06/01/2021	INITIAL UDC AND PLAN COMMISSION

KEY PLAN

SHEET INFORMATION

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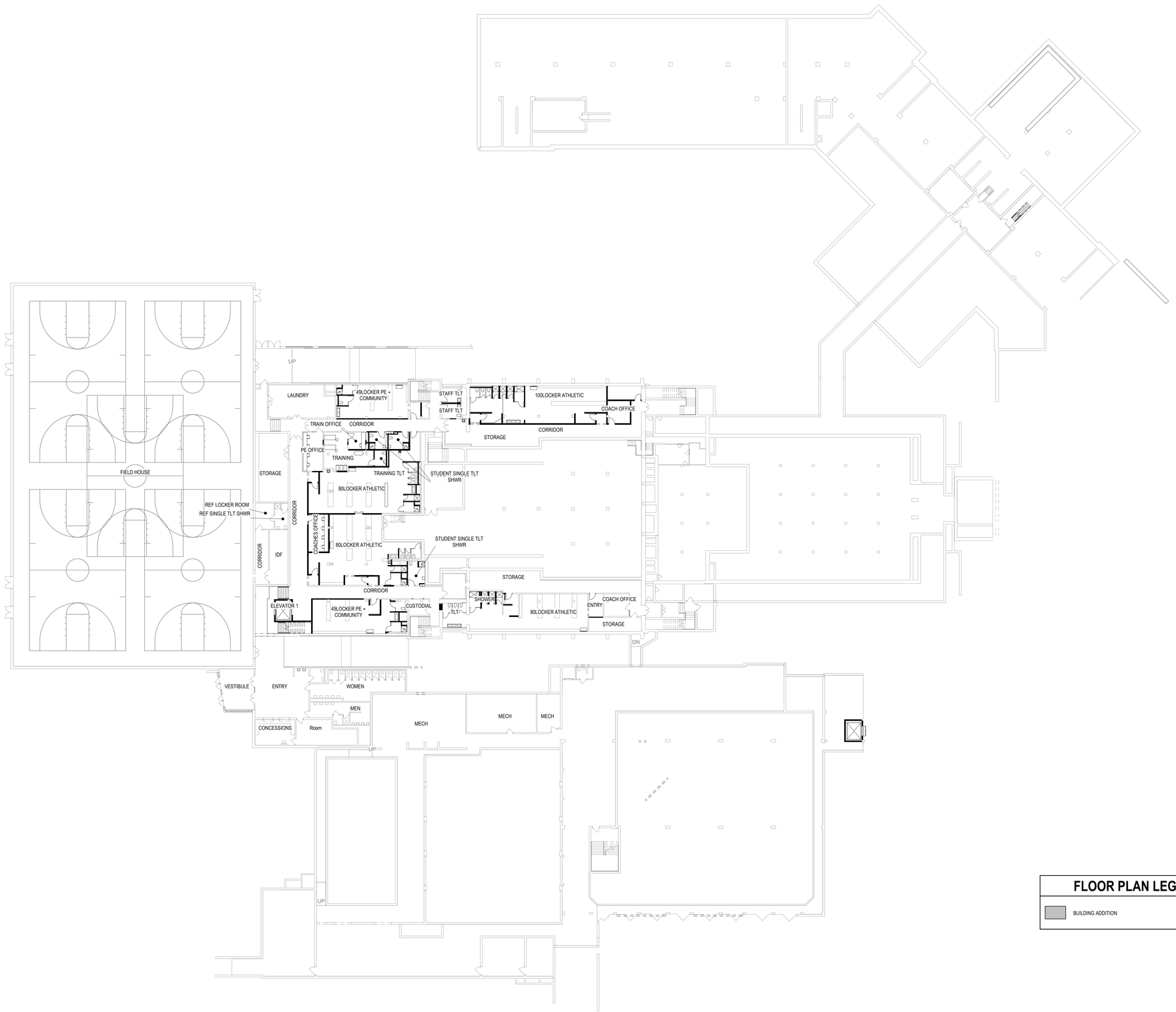
PROJECT MANAGEJACKIE MICHAELS

PROJECT NUMBER 320534-01

ARCHITECTURAL DESIGN CONTEXT IMAGES

A-01



N TRUE N PLAN **A2** BASEMENT FLOOR OVERALL PLAN
3/64" = 1'-0"

0' 8' 16' 32' 48'
SCALE: 3/64" = 1'-0"

FLOOR PLAN LEGEND

BUILDING ADDITION

eua

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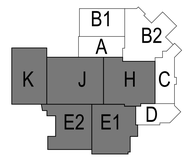

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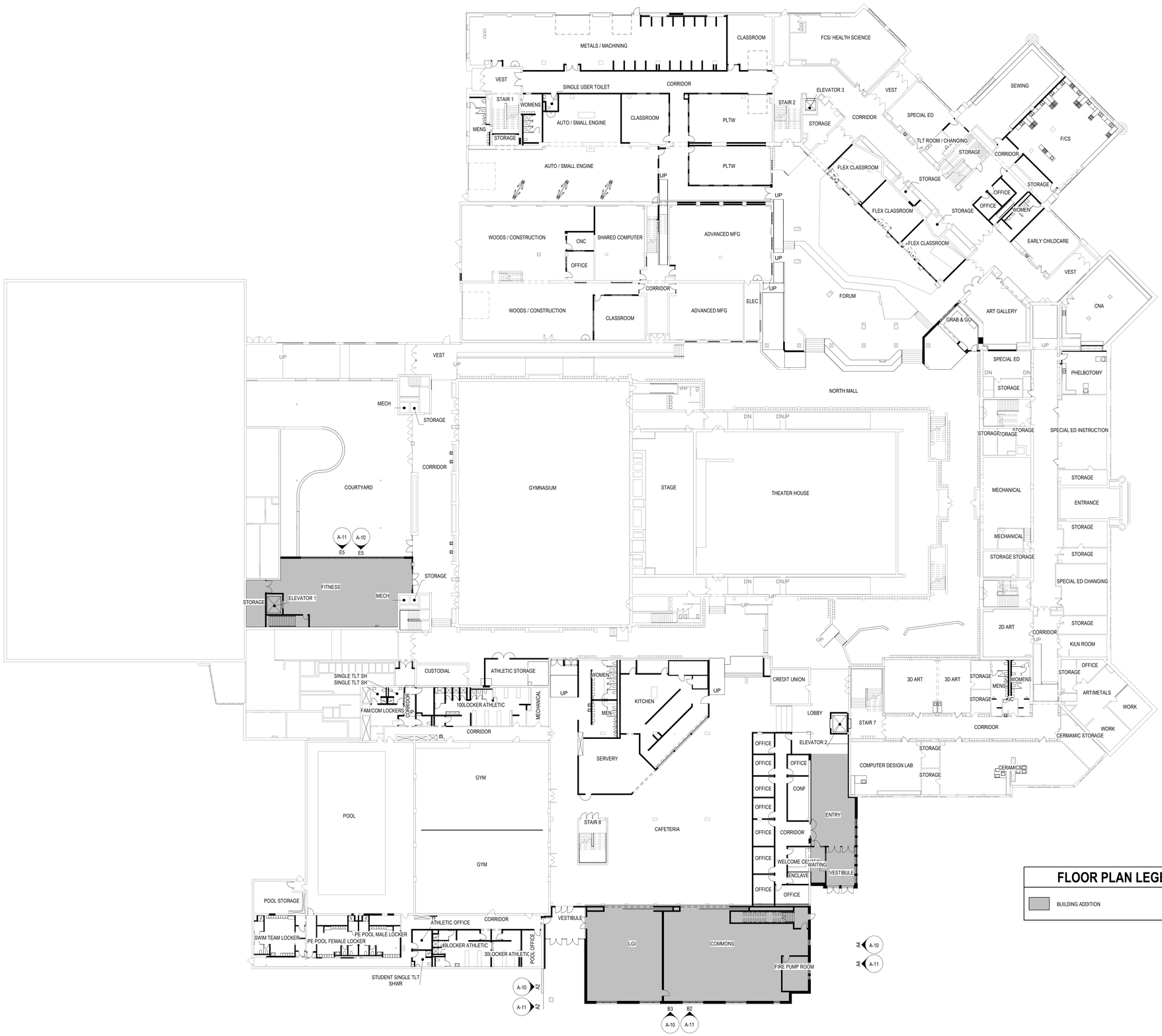
PROJECT MANAGEIJACKIE MICHAELS

PROJECT NUMBER 320534-01

BASEMENT FLOOR PLAN

A-02



FLOOR PLAN LEGEND

BUILDING ADDITION

N TRUE N PLAN **A2** GROUND FLOOR OVERALL PLAN
3/64" = 1'-0"

0' 8' 16' 32' 48'
SCALE: 3/64" = 1'-0"

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PROJECT INFORMATION

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2222 E.
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MADISON, WI 53704

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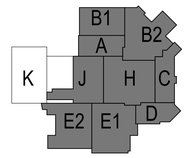

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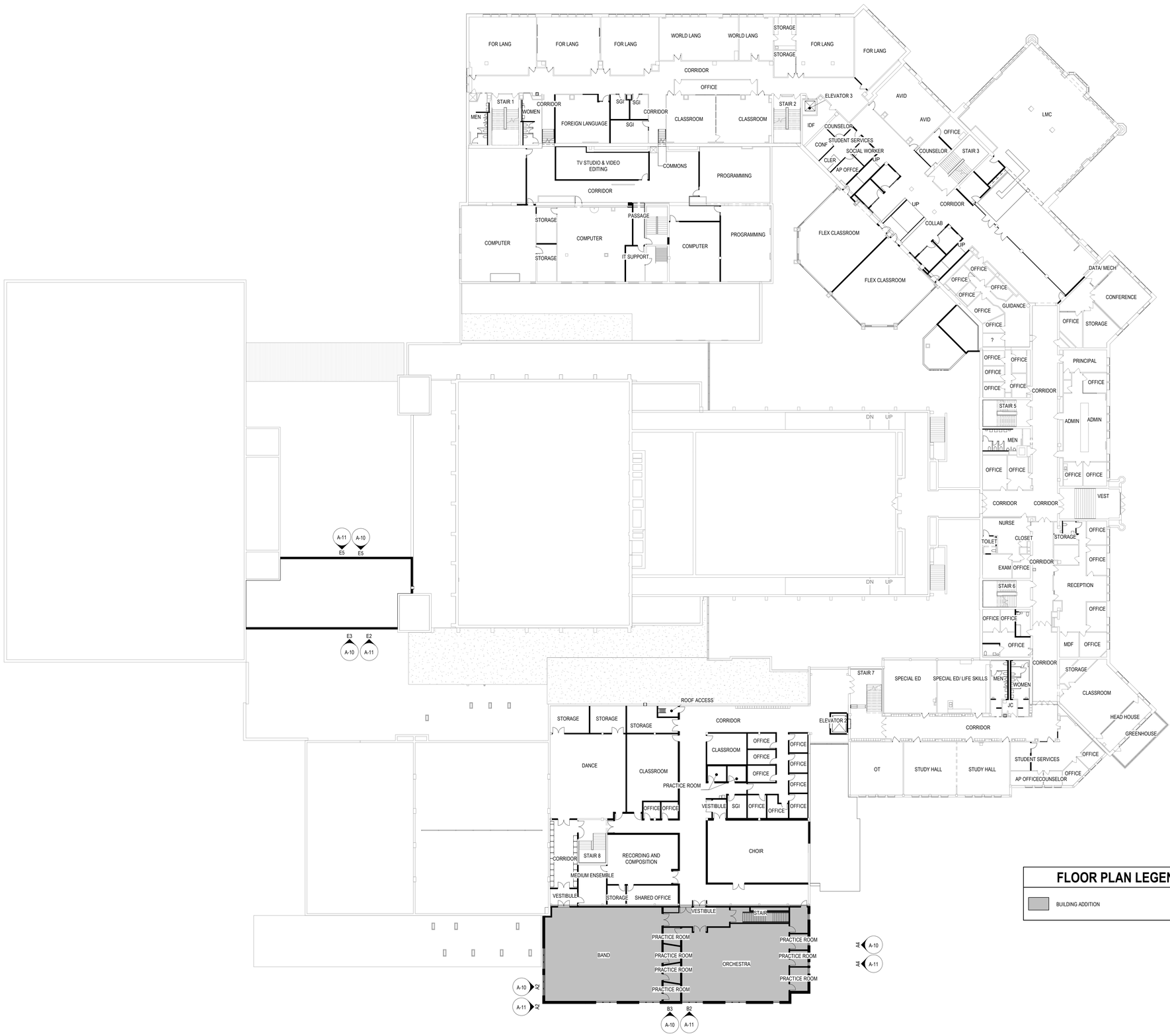
PROJECT MANAGEJACKIE MICHAELS

PROJECT NUMBER 320534-01

GROUND FLOOR PLAN

A-03



FLOOR PLAN LEGEND

BUILDING ADDITION

N TRUE N PLAN **A2** 1ST FLOOR OVERALL PLAN
3/64" = 1'-0"

0' 8' 16' 32' 48'
SCALE: 3/64" = 1'-0"

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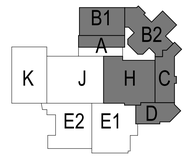

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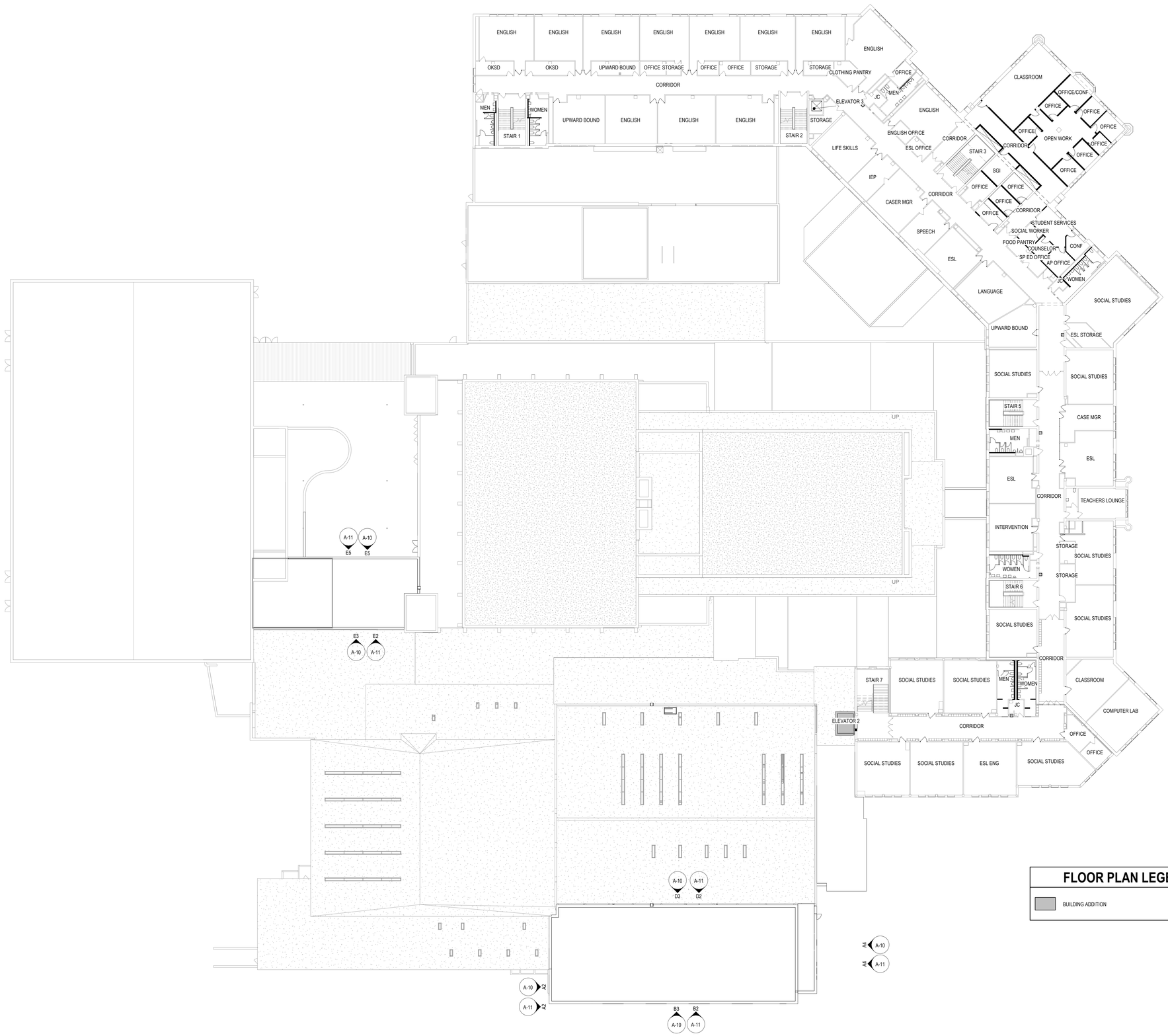
PROJECT MANAGEJACKIE MICHAELS

PROJECT NUMBER 320534-01

1ST FLOOR PLAN

A-04



FLOOR PLAN LEGEND

BUILDING ADDITION

N TRUE

N PLAN

A2 2ND FLOOR OVERALL PLAN

3/64" = 1'-0"

0' 8' 16' 32' 48'

SCALE: 3/64" = 1'-0"

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PROJECT INFORMATION

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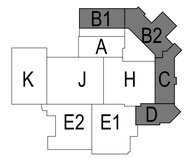

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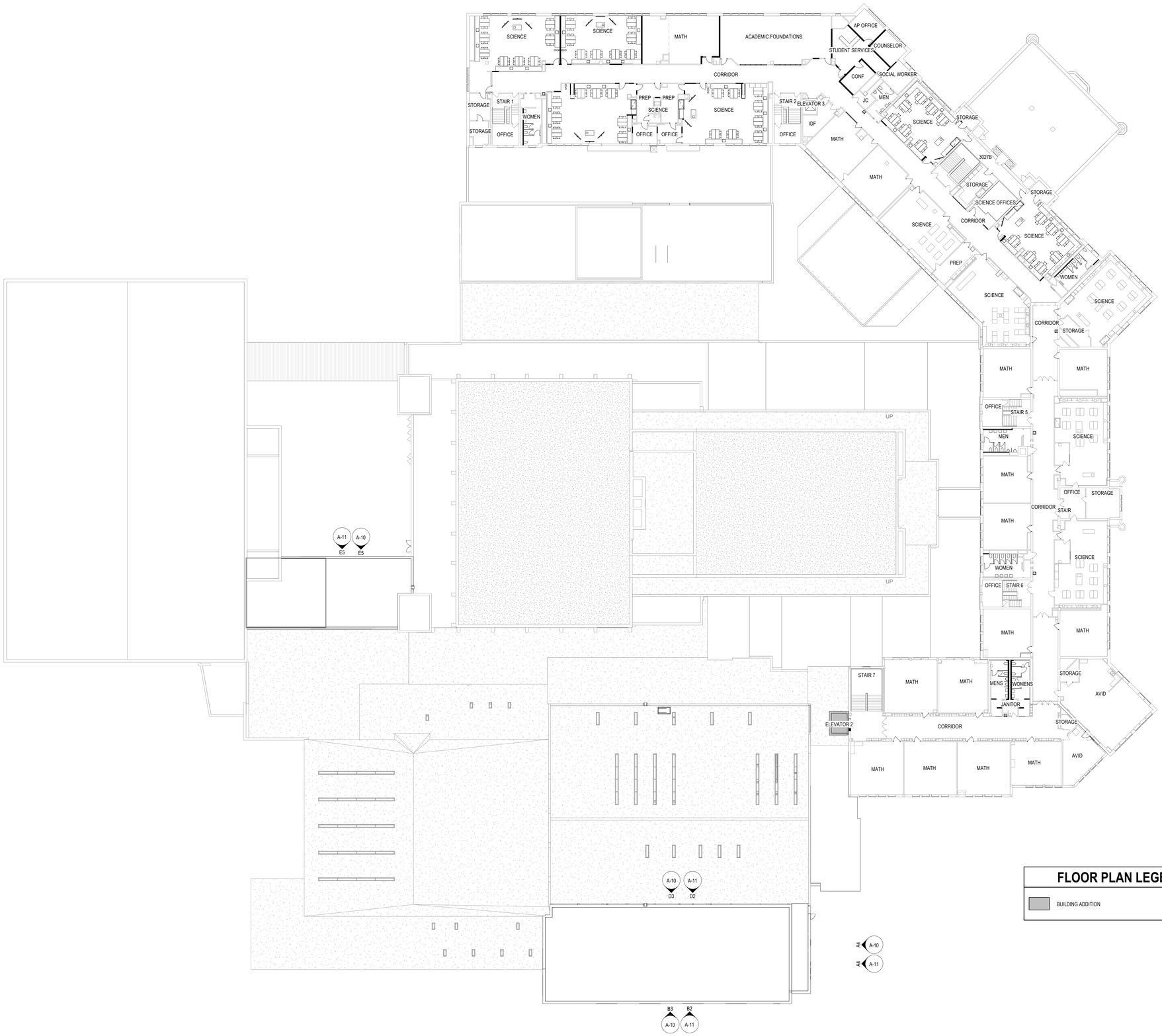
PROJECT MANAGEIJACKIE MICHAELS

PROJECT NUMBER 320534-01

2ND FLOOR PLAN

A-05



FLOOR PLAN LEGEND

BUILDING ADDITION

N TRUE N PLAN

A2 3RD FLOOR OVERALL PLAN
3/64" = 1'-0"

0' 8' 16' 32' 48'
SCALE: 3/64" = 1'-0"

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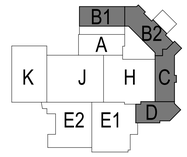

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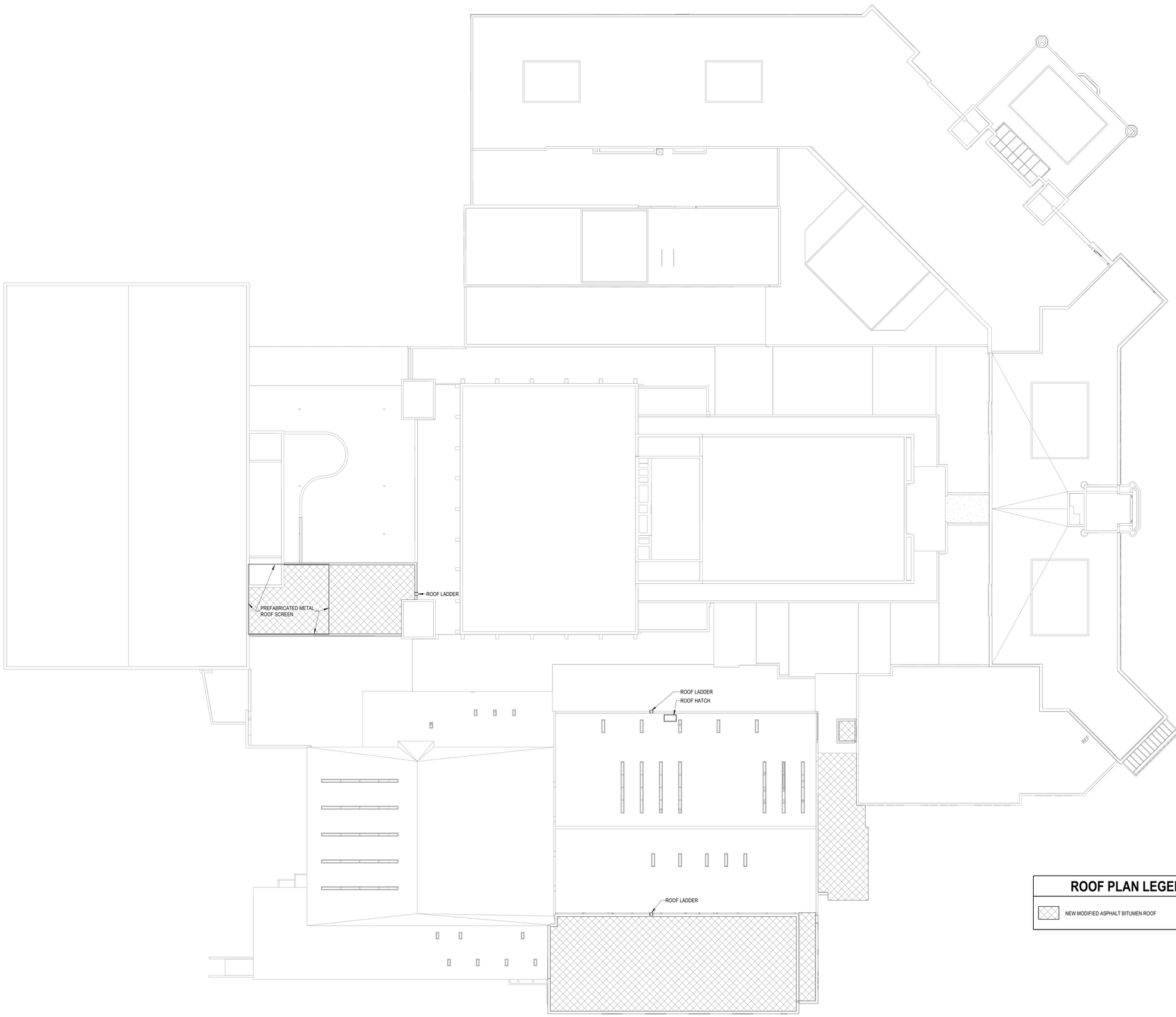
PROJECT MANAGEIJACKIE MICHAELS

PROJECT NUMBER 320534-01

3RD FLOOR PLAN

A-06



ROOF PLAN LEGEND

NEW MODIFIED ASPHALT BITUMEN ROOF

N TRUE N PLAN **A2** ROOF PLAN - UDC 3/64" = 1'-0"

0' 8' 16' 32' 48'

SCALE: 3/64" = 1'-0"

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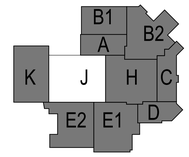

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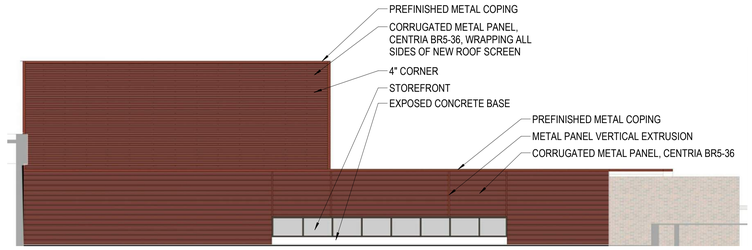
PROJECT MANAGEIJACKIE MICHAELS

PROJECT NUMBER 320534-01

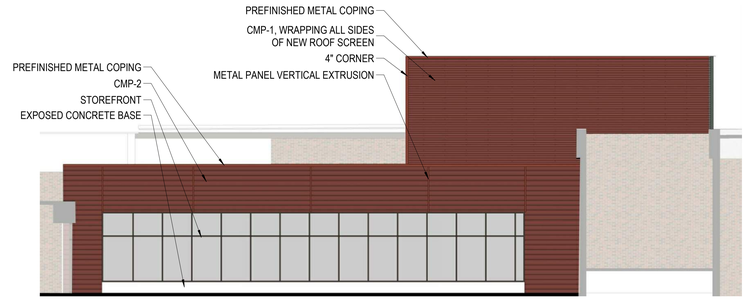
ROOF PLAN

A-07



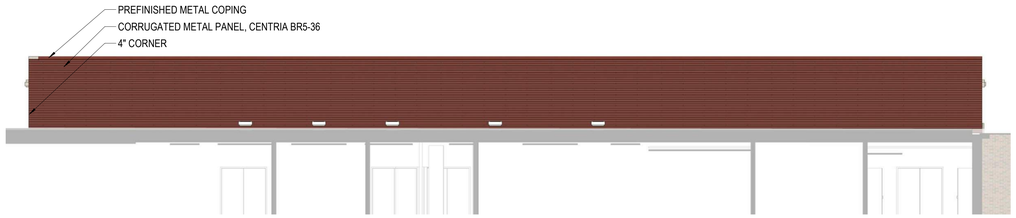
E3 SOUTH ELEVATION - AREA J
1/8" = 1'-0"

0' 2' 4' 8' 16'
SCALE: 1/8" = 1'-0"



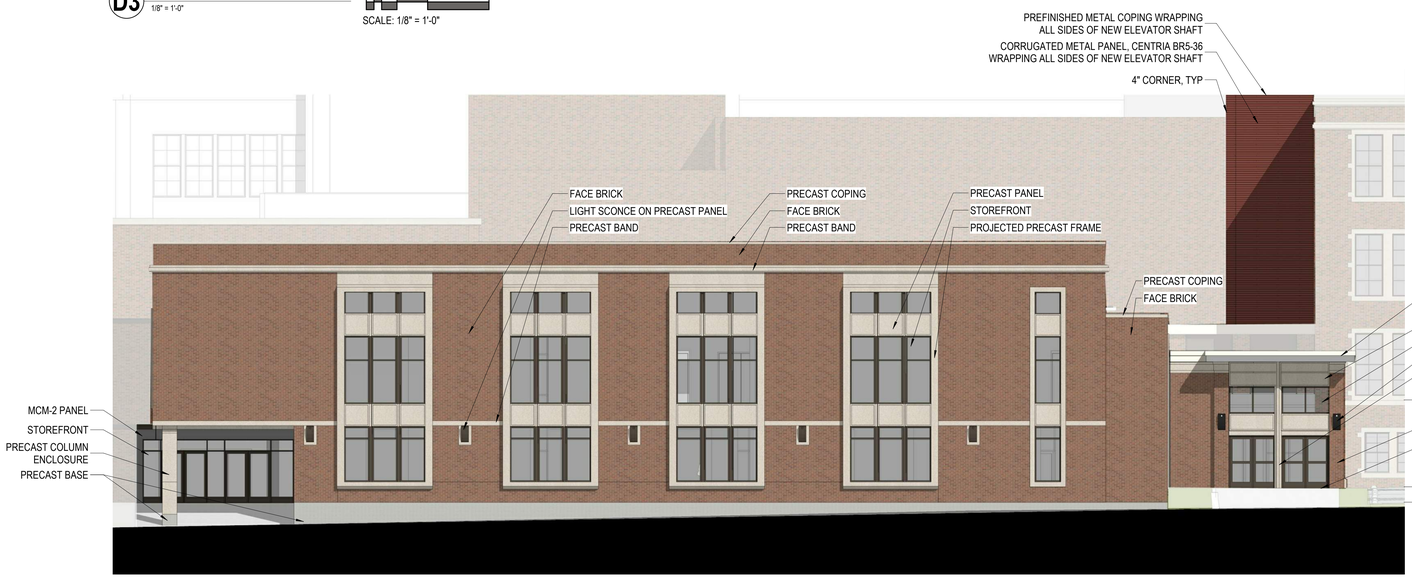
E5 NORTH ELEVATION - AREA J
1/8" = 1'-0"

0' 2' 4' 8' 16'
SCALE: 1/8" = 1'-0"



D3 NORTH ELEVATION - AREA E1
1/8" = 1'-0"

0' 2' 4' 8' 16'
SCALE: 1/8" = 1'-0"

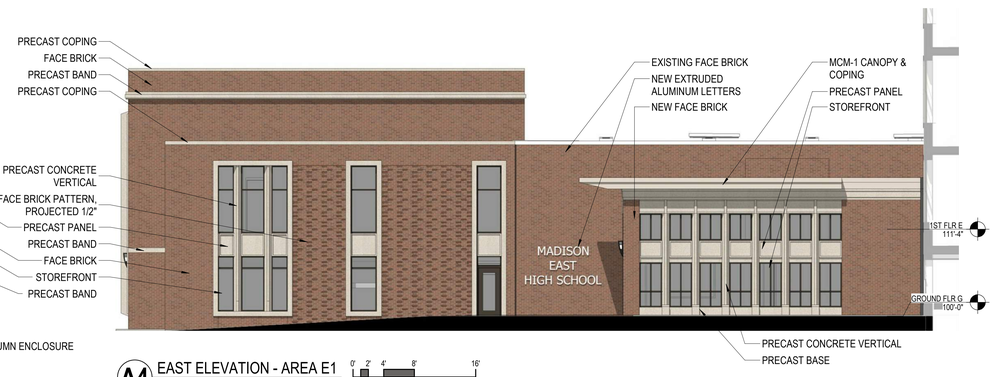


B3 SOUTH ELEVATION - AREA E1
1/8" = 1'-0"

0' 2' 4' 8' 16'
SCALE: 1/8" = 1'-0"

A2 WEST ELEVATION - AREA E
1/8" = 1'-0"

0' 2' 4' 8' 16'
SCALE: 1/8" = 1'-0"



A4 EAST ELEVATION - AREA E1
1/8" = 1'-0"

0' 2' 4' 8' 16'
SCALE: 1/8" = 1'-0"

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denver 1899 Wynkoop Street, Suite 300 Denver, Colorado 80202 303.595.4500

PROJECT INFORMATION

MMSD - EAST HS ADDITION AND RENOVATION

2222 E. WASHINGTON AVE MADISON, WI 53704

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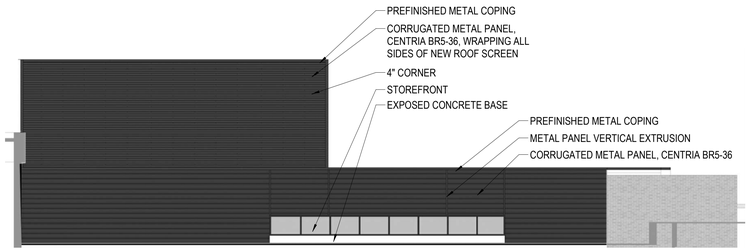
PROJECT MANAGEIJACKIE MICHAELS

PROJECT NUMBER 320534-01

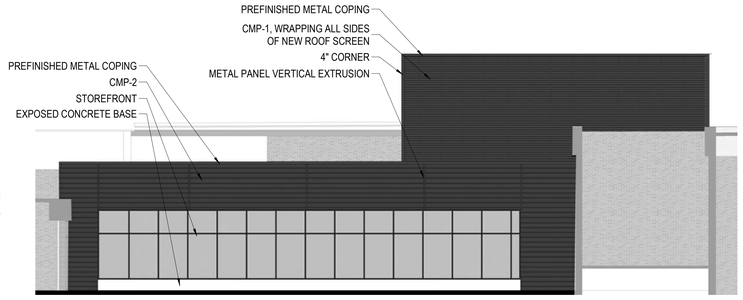
BUILDING ELEVATIONS

A-10



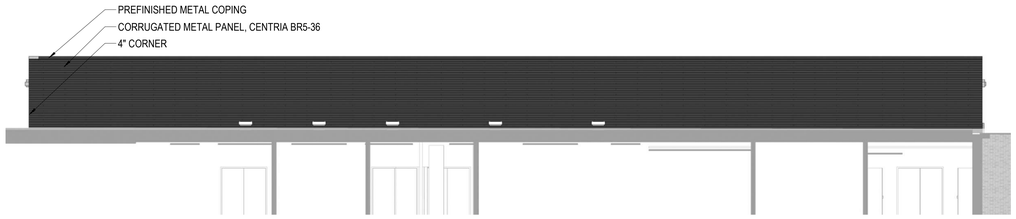
E2 SOUTH ELEVATION - AREA J
1/8" = 1'-0"

0' 2' 4' 8' 16'
SCALE: 1/8" = 1'-0"



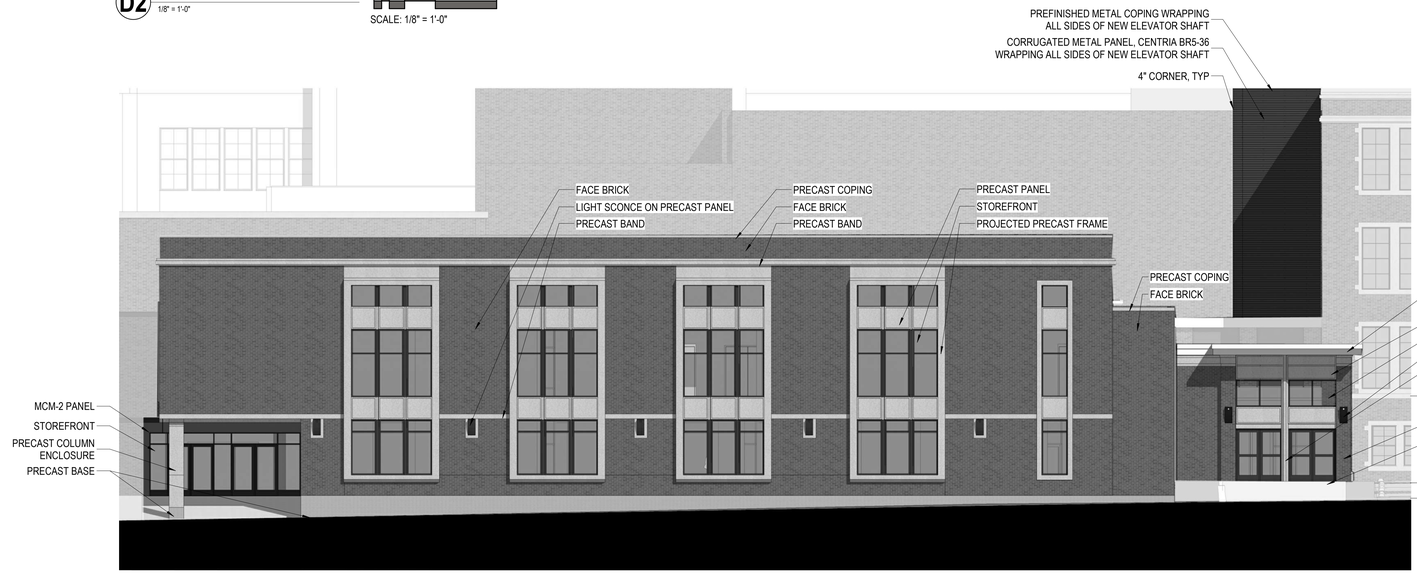
E5 NORTH ELEVATION - AREA J
1/8" = 1'-0"

0' 2' 4' 8' 16'
SCALE: 1/8" = 1'-0"



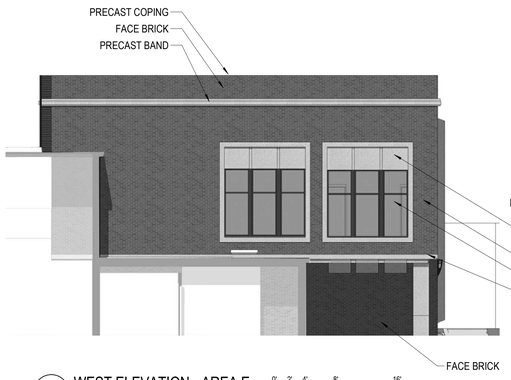
D2 NORTH ELEVATION - AREA E1
1/8" = 1'-0"

0' 2' 4' 8' 16'
SCALE: 1/8" = 1'-0"



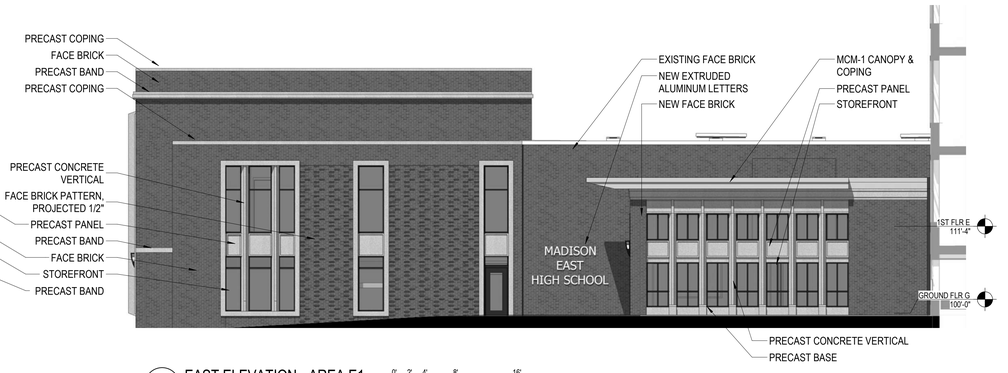
B2 SOUTH ELEVATION - AREA E1
1/8" = 1'-0"

0' 2' 4' 8' 16'
SCALE: 1/8" = 1'-0"



A2 WEST ELEVATION - AREA E
1/8" = 1'-0"

0' 2' 4' 8' 16'
SCALE: 1/8" = 1'-0"



A4 EAST ELEVATION - AREA E1
1/8" = 1'-0"

0' 2' 4' 8' 16'
SCALE: 1/8" = 1'-0"

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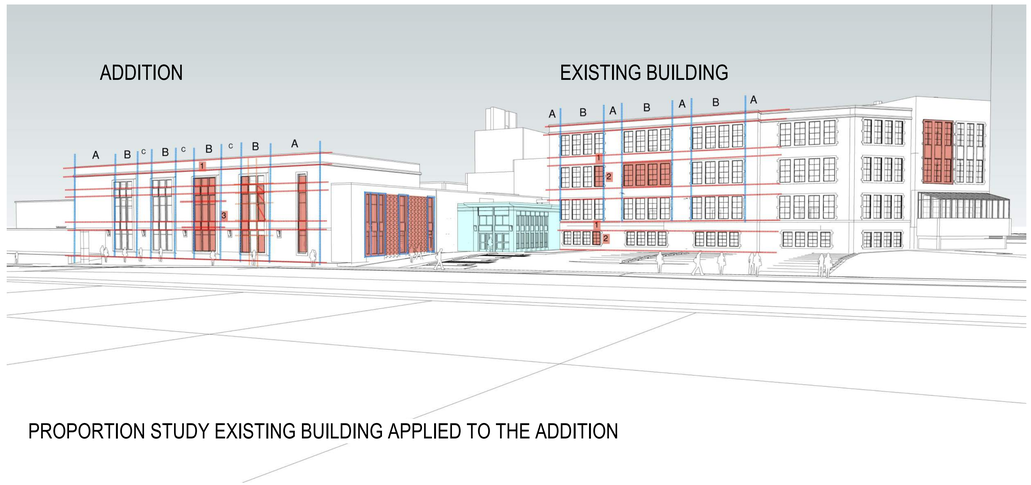
PROJECT MANAGE/JACKIE MICHAELS

PROJECT NUMBER 320534-01

BUILDING ELEVATIONS

A-11



PROPORTION STUDY EXISTING BUILDING APPLIED TO THE ADDITION

COLOR ELEVATION

VIEW FROM EAST WASHINGTON AVENUE

VIEW OF MAIN ENTRY

VIEW OF MAIN ENTRY

VIEW OF MAIN ENTRY

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PROJECT MANAGEIJACKIE MICHAELS

PROJECT NUMBER 320534-01

PERSPECTIVES

A-12

VIEW FROM EAST MIFFLIN STREET

VIEW FROM N. 4TH STREET LOOKING TO E. WASHINGTON AVE.

AERIAL VIEW

MECHANICAL SCREEN AT FITNESS ENTRY

VIEW OF FITNESS ADDITION AND MECHANICAL SCREEN

VIEW OF FITNESS ADDITION AND MECHANICAL SCREEN

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PROJECT MANAGEIJACKIE MICHAELS

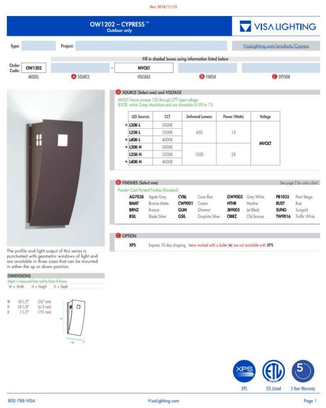
PROJECT NUMBER 320534-01

PERSPECTIVES

A-13

VIEW FROM EAST MIFFLIN STREET

GLASS FOR NEW ADDITON SOLARBAN 70XL



LIGHT SCONCES DARK BRONZE COLOR

VIEW OF FITNESS ADDITION AND MECHANCAL SCREEN

MATERIALS

DIVISION 7
12 2012

FABRAL V-BEAM

BRIEF PRODUCT SPECIFICATION

Lady Bird Johnson Middle School, Irving, TX, USA

"Fabral® V-Beam gave us the flexibility to use two different gauges on Lady Bird Johnson Middle School. A heavier gauge was applied to the bottom of the wall for durability but without visually interrupting the design."

Matthew Nicholson, Corgan Associates

FABRAL CORE

You challenge us. And we like it.

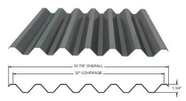
Your vision for a building and what you want to achieve makes us think harder. It'd be easy to say - That won't work. Instead we go with - Let's see what we can do.

Fabral.com
800.884.4484

EXPOSED FASTENER ROOFING & WALL PANEL

V-BEAM

With superior strength and spanning capability, Fabral® V-Beam is a high-performance panel suited for both roof and wall applications. In siding, V-Beam can be applied in both vertical and horizontal orientation to optimize design versatility. This exposed fastener panel, available with the unlimited color options inherent to all Fabral® products, is primed for use in demanding applications such as schools that are likely to see excessive use and abuse.



(Product details on reverse)

FABRAL

METAL PANEL PROFILE FOR FITNESS ADDITION

DIVISION 7
1 2013

FABRAL FABRIB

BRIEF PRODUCT SPECIFICATION

FABRAL CORE

You challenge us. And we like it.

Your vision for a building and what you want to achieve makes us think harder. It'd be easy to say - That won't work. Instead we go with - Let's see what we can do.

Fabral.com
800.884.4484

EXPOSED FASTENER ROOFING & SIDING PANEL

FABRIB

Fabral® Fabrib is ideal when the project calls for a low maintenance panel. Available in both aluminum and steel, Fabrib stands up to the elements with excellent fire and hail ratings, ensuring overall protection for your building. Fabral® metal panels are made from recycled content and are 100% recyclable - saving the planet's natural resources.

Note: Overall width varies based on substrate

MANUFACTURER DESCRIPTION

- Fabral®, Idabel, OK and Tifton, GA
- **Telephone:** 800.477.2741
- **Email:** info@fabral.com
- **Website:** www.fabral.com

PRODUCT DESCRIPTION

Acceptable Product:	Fabral® Fabrib
Class 4 impact:	UL2218
Class A fire:	UL790

GRAVITY LOAD TABLE (PSF)

Substrate	Span	1'-0"	1'-3"	1'-6"	1'-9"	2'-0"
29 ga steel	3	921	589	409	301	230
26 ga steel	3	1311	839	583	428	328
.018" alum.	3	469	300	209	153	117
.021" alum.	3	575	368	256	188	144

Note: Allowable loads based on AISI and Aluminum Association Specifications. Allowable loads are based on stress only.

DESIGN INFORMATION

- **Roof Slope:** Minimum recommended - 2 1/2:12
- **Aluminum Panel Length:** Maximum - 17' Minimum - 4'
- **Steel Panel Length:** Maximum - 40' Minimum - 4'

PRODUCT INSTALLATION

Install panels plumb, level and straight so it is watertight and without waves or other distortions, allowing for thermal movement considerations. Apply sealant tape or caulking as necessary at flashing and panel joints to prevent water penetration.

PRODUCT MAINTENANCE AND WARRANTY

Fabral® provides a 30 year aluminum warranty against corrosion for aluminum panels, a 10 year edge rust warranty against acid rain for galvanized steel panels and a 20 year non-perforation warranty for galvalume steel panels.

To ensure the durability of your Fabrib panels, use proper care. Remove filings, grease, stains, marks or excess sealants from roof panels system to prevent staining. Store panels and flashings in a safe, dry environment.

FABRAL

METAL PANEL PROFILE FOR MECHANICAL SCREEN

eua

milwaukee 333 East Chicago Street
Milwaukee, Wisconsin 53202
414.271.5350

madison 309 West Johnson Street, Suite 202
Madison, Wisconsin 53703
608.442.5350

denver 1899 Wynkoop Street, Suite 300
Denver, Colorado 80202
303.595.4500

PROJECT INFORMATION

MMSD - EAST HS ADDITION AND RENOVATION

2222 E.
WASHINGTON AVE
MADISON, WI 53704

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
06/01/2021	INITIAL UDC AND PLAN COMMISSION

KEY PLAN

SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGEJACKIE MICHAELS

PROJECT NUMBER 320534-01

MATERIALS AND LIGHTING

A-14

KEYED NOTES

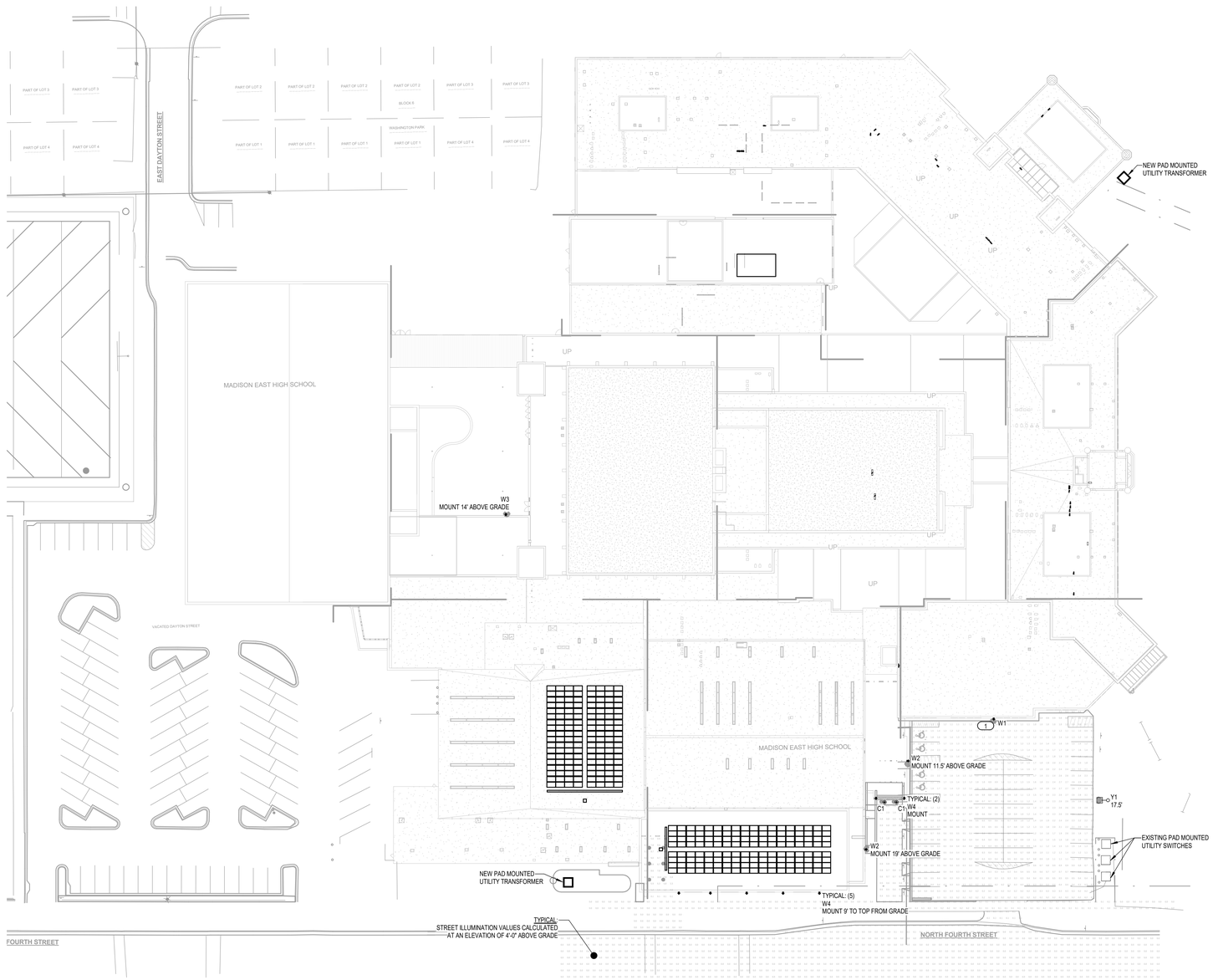
1	DEMOLISH EXISTING LIGHT FIXTURE. INSTALL NEW TYPE "W1" LIGHT FIXTURE.

EXTERIOR LIGHTING STATISTICS

LOCATION	AVERAGE	AVE / MIN	MAX	MIN
SOUTH EAST PARKING	1.1	5.5 : 1	3.6	0.2
SOUTH ENTRANCE	6.1	7.6 : 1	10.0	0.8

LIGHT FIXTURE SCHEDULE

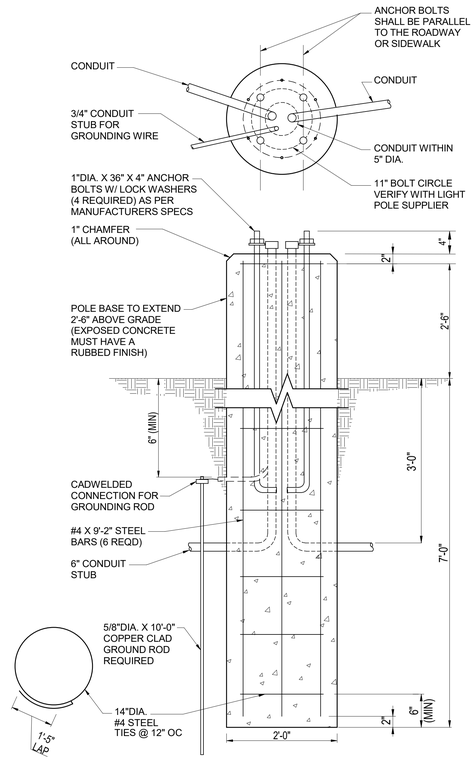
TYPE	DISCRIPTION	LAMP	LUMENS	WATTS	VOLT	CCT	MANUFACTURER	SERIES
C1	6" RECESSED DOWNLIGHT, 4000K, 1000 LUMENS, WIDE DISTRIBUITING SEMI SPECULAR FINISH, WET LOCATION LISTED.	LED	1000	11 W	MVOLT	4000 K	LITHONIA	LDN6
W1	EXTERIOR LED WALL MOUNTED LIGHT FIXTURE, 20 LEDS, 1000 mA DRIVE CURRENT, TYPE TFTM DISTRIBUTION, BRONZE FINISH.	LED	7712	35 W	MVOLT	4000 K	LITHONIA	DSXW1
W2	EXTERIOR LED WALL MOUNTED LIGHT FIXTURE, 20 LEDS, 530 mA DRIVE CURRENT, TYPE TFTM DISTRIBUTION, BRONZE FINISH	LED	4436	35 W	MVOLT	4000 K	LITHONIA	DSXW1
W3	EXTERIOR LED WALL MOUNTED LIGHT FIXTURE, 10 LEDS, 350 mA DRIVE CURRENT, TYPE TFTM DISTRIBUTION, BRONZE FINISH.	LED	1515	13 W	MVOLT	4000 K	LITHONIA	DSXW1
W4	EXTERIOR WALL MOUNT SCONCE, 0-10v DIMMING TO 1%. WET LOCATION LISTED, BONZE FINISH.	LED	1200	28 W	MVOLT	4000 K	CYPRESS	OW1202
Y1	EXTERIOR LED POLE MOUNTED LIGHT FIXTURE, P3 FORWARD OPTICS, TYPE TFTM DISTRIBUTION, BRONZE FINISH.	LED	12575	102 W	MVOLT	4000 K	LITHONIA	DSX1



1 ELECTRICAL SITE PLAN

1/32" = 1'-0"

NORTH



2 EXTENDED POLE BASE DETAIL

NOT TO SCALE

eua

milwaukee 333 East Chicago Street
Milwaukee, Wisconsin 53202
414.271.5350

madison 309 West Johnson Street, Suite 202
Madison, Wisconsin 53703
608.442.5350

denver 1899 Wynkoop Street, Suite 300
Denver, Colorado 80202
303.595.4500

PROJECT INFORMATION

EAST HIGHSCHOOL RENOVATION & ADDITION

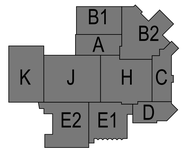
2222 E. Washington Ave, Madison, WI 53704

MEP
EXPECT A DIFFERENCE
1111 Deming Way, Suite 202 | Madison, WI 53717
P: 608.848.9556 | mepassociates.com | salasobrien.com

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
06/01/2021	INITIAL UDC AND PLAN COMMISSION

KEY PLAN



SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

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PROJECT MANAGER	PCC
PROJECT NUMBER	320534-01

ELECTRICAL SITE PLAN

E-01

D-Series Size 1
LED Area Luminaire

Buy American

Catalog Number

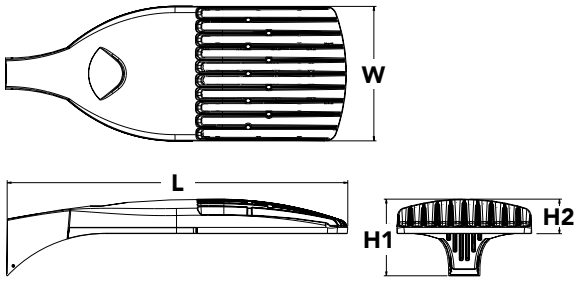
Notes

Type

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

Specifications

EPA:	1.01 ft² (0.09 m²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height H1:	7-1/2" (19.0 cm)
Height H2:	3-1/2"
Weight (max):	27 lbs (12.2 kg)



Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED

Series

DSX1 LED

LEDs

Forward optics

P1, P2, P3, P4 [1], P5 [1], P6 [1], P7 [1], P8, P9 [1]

Rotated optics

P10 [2], P11 [2], P12 [2], P13 [1,2]

Color temperature

30K	3000 K
40K	4000 K
50K	5000 K

Distribution

T1S	Type I short (Automotive)
T2S	Type II short
T2M	Type II medium
T3S	Type III short
T3M	Type III medium
T4M	Type IV medium
TFTM	Forward throw medium
T5VS	Type V very short [3]
T5S	Type V short [3]
T5M	Type V medium [3]
T5W	Type V wide [3]
BLC	Backlight control [4]
LCCO	Left corner cutoff [4]
RCCO	Right corner cutoff [4]

Voltage

MVOLT [5]
XVOLT (277V-480V) [6,7,8]
120 [9]
208 [9]
240 [9]
277 [9]
347 [9]
480 [9]

Mounting

Shipped included

SPA	Square pole mounting
RPA	Round pole mounting [10]
WBA	Wall bracket [3]
SPUMBA	Square pole universal mounting adaptor [11]
RPUMBA	Round pole universal mounting adaptor [9]

Shipped separately

KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) [12]

Control options

Shipped installed

NLTAIR2	nLight AIR generation 2 enabled [13]
PIRHN	Network, high/low motion/ambient sensor [14]
PER	NEMA twist-lock receptacle only (controls ordered separate) [15]
PER5	Five-pin receptacle only (controls ordered separate) [15,16]
PER7	Seven-pin receptacle only (controls ordered separate) [15,16]
DMG	0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) [17]
DS	Dual switching [18,19,20]
PIR	High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc [20,21]
PIRH	High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc [20,21]
PIR1FC3V	High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc [20,21]
PIRH1FC3V	Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc [20,21]
FAO	Field adjustable output [20,21]

Other options

Shipped installed

HS	House-side shield [23]
SF	Single fuse (120, 277, 347V) [9]
DF	Double fuse (208, 240, 480V) [9]
L90	Left rotated optics [2]
R90	Right rotated optics [2]
HA	50°C ambient operations [1]
BAA	Buy America(n) Act Compliant

Shipped separately

BS	Bird spikes [24]
EGS	External glare shield

Finish *(required)*

DDBXD	Dark bronze
DBLXD	Black
DNAXD	Natural aluminum
DWHXD	White
DDBTXD	Textured dark bronze
DBLBXD	Textured black
DNATXD	Textured natural aluminum
DWHGXD	Textured white

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com

Ordering Information

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [25]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [25]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [25]
DSHORT SBK U	Shorting cap [25]
DSX1HS 30C U	House-side shield for P1, P2, P3, P4 and P5 [23]
DSX1HS 40C U	House-side shield for P6 and P7 [23]
DSX1HS 60C U	House-side shield for P8, P9, P10, P11 and P12 [23]
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish) [26]
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) [12]
DSX1EGS (FINISH) U	External glare shield

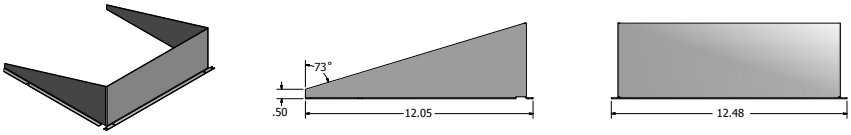
For more control options, visit DTL and ROAM online.

NOTES

1 HA not available with P4, P5, P6, P7, P9 and P13.
2 P10, P11, P12 or P13 and rotated optics (L90, R90) only available together.
3 Any Type 5 distribution with photocell, is not available with WBA.
4 Not available with HS.
5 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
6 XVOLT only suitable for use with P3, P5, P6, P7, P9 and P13.
7 XVOLT works with any voltage between 277V and 480V.
8 XVOLT not available with fusing (SF or DF) and not available with PIR, PIRH, PIR1FC3V, PIRH1FC3V.
9 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF.
10 Suitable for mounting to round poles between 3.5" and 12" diameter.
11 Universal mounting brackets intended for retrofit on existing, pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31. Only usable when pole's drill pattern is NOT Lithonia template #8
12 Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" diameter mast arm (not included).
13 Must be ordered with PIRHN. Sensor cover available only in dark bronze, black, white and natural aluminum colors.
14 Must be ordered with NLTAIR2. For more information on nLight Air 2 visit this link.
15 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting cap included.
16 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming.
17 DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIR1FC3V or PIRH1FC3V, FAO.
18 Provides 50/50fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH. Not available P1, P2, P3, P4 or P5.
19 Requires (2) separately switched circuits with isolated neutrol.
20 Reference Controls Option Default settings table on page 4.
21 Reference Motion Sensor table on page 4 to see functionality.
22 Not available with other dimming controls options.
23 Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
24 Must be ordered with fixture for factory pre-drilling.
25 Requires luminaire to be specified with PER, PER5 or PER7 option. See Control Option Table on page 4.
26 For retrofit use only. Only usable when pole's drill pattern is NOT Lithonia template #8.

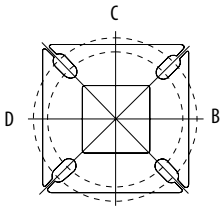
Options

EGS - External Glare Shield

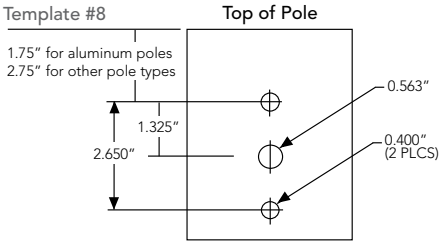


Drilling

HANDHOLE ORIENTATION



Template #8



Tenon Mounting Slipfitter

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

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

DSX1 Area Luminaire - EPA

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

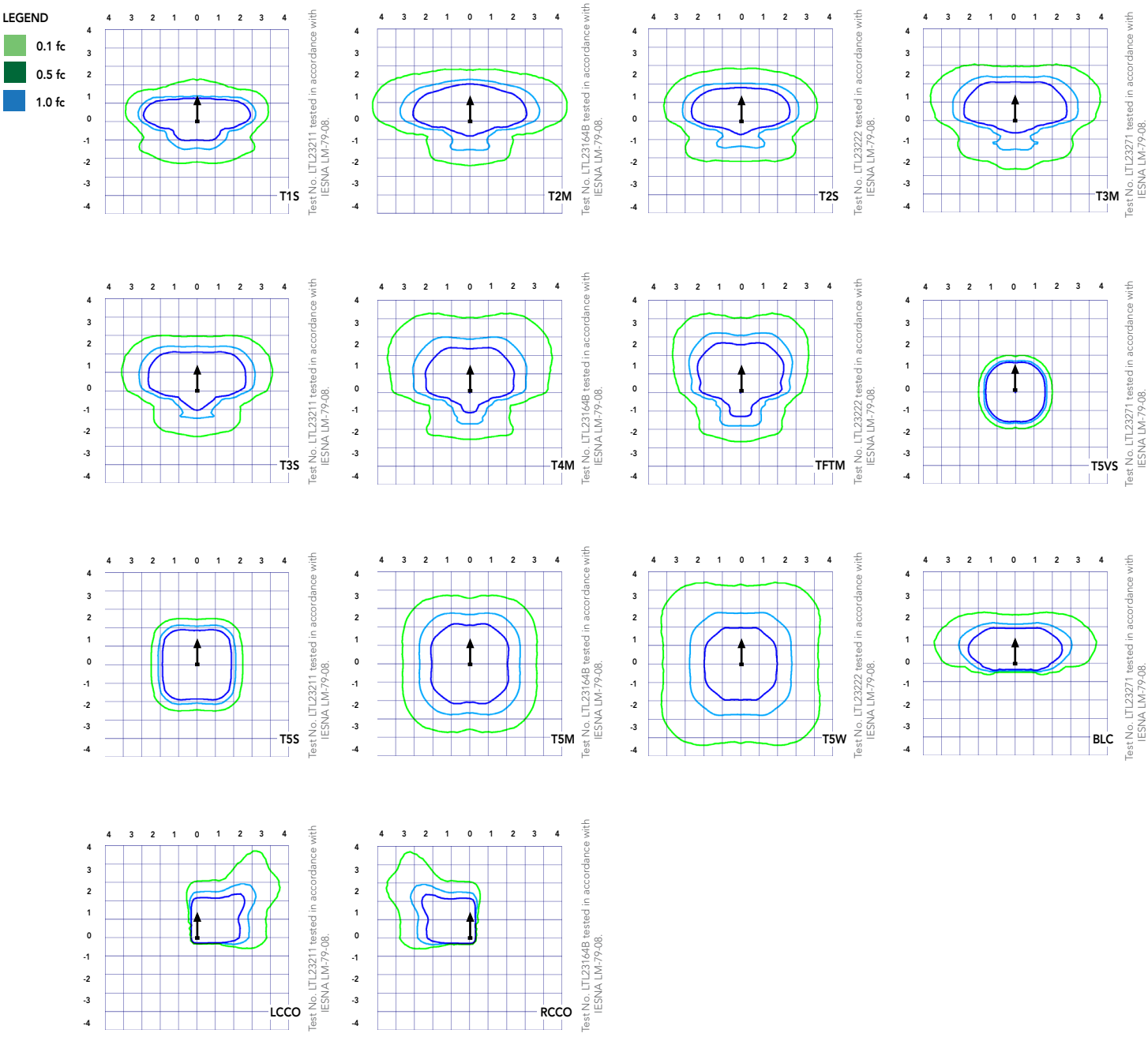
Fixture Quantity & Mounting Con⊠guration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX1 LED	1.013	2.025	1.945	3.038	2.850	3.749

	Drilling Template	Minimum Acceptable Outside Pole Dimension					
SPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
RPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
SPUMBA	#5	2-7/8"	3"	4"	4"	3.5"	4"
RPUMBA	#5	2-7/8"	3.5"	5"	5"	3.5"	5"

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area Size 1 homepage.

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (25').



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

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

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	50°F	1.02
20°C	68°F	1.01
25°C	**77°F**	**1.00**
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Projected LED Lumen Maintenance

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

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

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.96
50,000	0.92
100,000	0.85

Motion Sensor Default Settings						
Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min
*for use when motion sensor is used as dusk to dawn control.						

Electrical Load

	Performance Package	LED Count	Drive Current	Wattage	Current (A) 120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	30	530	54	0.45	0.26	0.23	0.19	0.10	0.12
	P2	30	700	70	0.59	0.34	0.30	0.25	0.20	0.16
	P3	30	1050	102	0.86	0.50	0.44	0.38	0.30	0.22
	P4	30	1250	125	1.06	0.60	0.52	0.46	0.37	0.27
	P5	30	1400	138	1.16	0.67	0.58	0.51	0.40	0.29
	P6	40	1250	163	1.36	0.78	0.68	0.59	0.47	0.34
	P7	40	1400	183	1.53	0.88	0.76	0.66	0.53	0.38
	P8	60	1050	207	1.74	0.98	0.87	0.76	0.64	0.49
	P9	60	1250	241	2.01	1.16	1.01	0.89	0.70	0.51
Rotated Optics (Requires L90 or R90)	P10	60	530	106	0.90	0.52	0.47	0.43	0.33	0.27
	P11	60	700	137	1.15	0.67	0.60	0.53	0.42	0.32
	P12	60	1050	207	1.74	0.99	0.87	0.76	0.60	0.46
	P13	60	1250	231	1.93	1.12	0.97	0.86	0.67	0.49

Controls Options				
Nomenclature	**Description**	**Functionality**	**Primary control device**	**Notes**
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PER5 or PER7	Twist-lock photocell recepticle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire
PIR or PIRH	Motion sensors with integral photocell. PIR for 8-15' mounting; PIRH for 15-30' mounting	Luminaires dim when no occupancy is detected.	Acuity Controls SBGR	Also available with PIRH1FC3V when the sensor photocell is used for dusk-to-dawn operation.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclypse.	nLight Air rSDGR	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app.

Performance Data

Lumen Output

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

Forward Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30	530	**P1**	54W	T1S	6,457	2	0	2	120	6,956	2	0	2	129	7,044	2	0	2	130
				T2S	6,450	2	0	2	119	6,949	2	0	2	129	7,037	2	0	2	130
				T2M	6,483	1	0	1	120	6,984	2	0	2	129	7,073	2	0	2	131
				T3S	6,279	2	0	2	116	6,764	2	0	2	125	6,850	2	0	2	127
				T3M	6,468	1	0	2	120	6,967	1	0	2	129	7,056	1	0	2	131
				T4M	6,327	1	0	2	117	6,816	1	0	2	126	6,902	1	0	2	128
				TFTM	6,464	1	0	2	120	6,963	1	0	2	129	7,051	1	0	2	131
				T5VS	6,722	2	0	0	124	7,242	3	0	0	134	7,334	3	0	0	136
				T5S	6,728	2	0	1	125	7,248	2	0	1	134	7,340	2	0	1	136
				T5M	6,711	3	0	1	124	7,229	3	0	1	134	7,321	3	0	2	136
				T5W	6,667	3	0	2	123	7,182	3	0	2	133	7,273	3	0	2	135
				BLC	5,299	1	0	1	98	5,709	1	0	2	106	5,781	1	0	2	107
				LCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
				RCCO	3,943	1	0	2	73	4,248	1	0	2	79	4,302	1	0	2	80
30	700	**P2**	70W	T1S	8,249	2	0	2	118	8,886	2	0	2	127	8,999	2	0	2	129
				T2S	8,240	2	0	2	118	8,877	2	0	2	127	8,989	2	0	2	128
				T2M	8,283	2	0	2	118	8,923	2	0	2	127	9,036	2	0	2	129
				T3S	8,021	2	0	2	115	8,641	2	0	2	123	8,751	2	0	2	125
				T3M	8,263	2	0	2	118	8,901	2	0	2	127	9,014	2	0	2	129
				T4M	8,083	2	0	2	115	8,708	2	0	2	124	8,818	2	0	2	126
				TFTM	8,257	2	0	2	118	8,896	2	0	2	127	9,008	2	0	2	129
				T5VS	8,588	3	0	0	123	9,252	3	0	0	132	9,369	3	0	0	134
				T5S	8,595	3	0	1	123	9,259	3	0	1	132	9,376	3	0	1	134
				T5M	8,573	3	0	2	122	9,236	3	0	2	132	9,353	3	0	2	134
				T5W	8,517	3	0	2	122	9,175	4	0	2	131	9,291	4	0	2	133
				BLC	6,770	1	0	2	97	7,293	1	0	2	104	7,386	1	0	2	106
				LCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79
				RCCO	5,038	1	0	2	72	5,427	1	0	2	78	5,496	1	0	2	79
30	1050	**P3**	102W	T1S	11,661	2	0	2	114	12,562	3	0	3	123	12,721	3	0	3	125
				T2S	11,648	2	0	2	114	12,548	3	0	3	123	12,707	3	0	3	125
				T2M	11,708	2	0	2	115	12,613	2	0	2	124	12,773	2	0	2	125
				T3S	11,339	2	0	2	111	12,215	3	0	3	120	12,370	3	0	3	121
				T3M	11,680	2	0	2	115	12,582	2	0	2	123	12,742	2	0	2	125
				T4M	11,426	2	0	3	112	12,309	2	0	3	121	12,465	2	0	3	122
				TFTM	11,673	2	0	2	114	12,575	2	0	3	123	12,734	2	0	3	125
				T5VS	12,140	3	0	1	119	13,078	3	0	1	128	13,244	3	0	1	130
				T5S	12,150	3	0	1	119	13,089	3	0	1	128	13,254	3	0	1	130
				T5M	12,119	4	0	2	119	13,056	4	0	2	128	13,221	4	0	2	130
				T5W	12,040	4	0	3	118	12,970	4	0	3	127	13,134	4	0	3	129
				BLC	9,570	1	0	2	94	10,310	1	0	2	101	10,440	1	0	2	102
				LCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
				RCCO	7,121	1	0	3	70	7,671	1	0	3	75	7,768	1	0	3	76
30	1250	**P4**	125W	T1S	13,435	3	0	3	107	14,473	3	0	3	116	14,657	3	0	3	117
				T2S	13,421	3	0	3	107	14,458	3	0	3	116	14,641	3	0	3	117
				T2M	13,490	2	0	2	108	14,532	3	0	3	116	14,716	3	0	3	118
				T3S	13,064	3	0	3	105	14,074	3	0	3	113	14,252	3	0	3	114
				T3M	13,457	2	0	2	108	14,497	2	0	2	116	14,681	2	0	2	117
				T4M	13,165	2	0	3	105	14,182	2	0	3	113	14,362	2	0	3	115
				TFTM	13,449	2	0	3	108	14,488	2	0	3	116	14,672	2	0	3	117
				T5VS	13,987	4	0	1	112	15,068	4	0	1	121	15,259	4	0	1	122
				T5S	13,999	3	0	1	112	15,080	3	0	1	121	15,271	3	0	1	122
				T5M	13,963	4	0	2	112	15,042	4	0	2	120	15,233	4	0	2	122
				T5W	13,872	4	0	3	111	14,944	4	0	3	120	15,133	4	0	3	121
				BLC	11,027	1	0	2	88	11,879	1	0	2	95	12,029	1	0	2	96
				LCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72
				RCCO	8,205	1	0	3	66	8,839	1	0	3	71	8,951	1	0	3	72
30	1400	**P5**	138W	T1S	14,679	3	0	3	106	15,814	3	0	3	115	16,014	3	0	3	116
				T2S	14,664	3	0	3	106	15,797	3	0	3	114	15,997	3	0	3	116
				T2M	14,739	3	0	3	107	15,878	3	0	3	115	16,079	3	0	3	117
				T3S	14,274	3	0	3	103	15,377	3	0	3	111	15,572	3	0	3	113
				T3M	14,704	2	0	3	107	15,840	3	0	3	115	16,040	3	0	3	116
				T4M	14,384	2	0	3	104	15,496	3	0	3	112	15,692	3	0	3	114
				TFTM	14,695	2	0	3	106	15,830	3	0	3	115	16,030	3	0	3	116
				T5VS	15,283	4	0	1	111	16,464	4	0	1	119	16,672	4	0	1	121
				T5S	15,295	3	0	1	111	16,477	4	0	1	119	16,686	4	0	1	121
				T5M	15,257	4	0	2	111	16,435	4	0	2	119	16,644	4	0	2	121
				T5W	15,157	4	0	3	110	16,328	4	0	3	118	16,534	4	0	3	120
				BLC	12,048	1	0	2	87	12,979	1	0	2	94	13,143	1	0	2	95
				LCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71
				RCCO	8,965	1	0	3	65	9,657	1	0	3	70	9,780	1	0	3	71

Performance Data

Lumen Output

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

Forward Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40	1250	**P6**	163W	T1S	17,654	3	0	3	108	19,018	3	0	3	117	19,259	3	0	3	118
				T2S	17,635	3	0	3	108	18,998	3	0	3	117	19,238	3	0	3	118
				T2M	17,726	3	0	3	109	19,096	3	0	3	117	19,337	3	0	3	119
				T3S	17,167	3	0	3	105	18,493	3	0	3	113	18,727	3	0	3	115
				T3M	17,683	3	0	3	108	19,049	3	0	3	117	19,290	3	0	3	118
				T4M	17,299	3	0	3	106	18,635	3	0	4	114	18,871	3	0	4	116
				TFTM	17,672	3	0	3	108	19,038	3	0	4	117	19,279	3	0	4	118
				T5VS	18,379	4	0	1	113	19,800	4	0	1	121	20,050	4	0	1	123
				T5S	18,394	4	0	2	113	19,816	4	0	2	122	20,066	4	0	2	123
				T5M	18,348	4	0	2	113	19,766	4	0	2	121	20,016	4	0	2	123
				T5W	18,228	5	0	3	112	19,636	5	0	3	120	19,885	5	0	3	122
				BLC	14,489	2	0	2	89	15,609	2	0	3	96	15,806	2	0	3	97
				LCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
				RCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
40	1400	**P7**	183W	T1S	19,227	3	0	3	105	20,712	3	0	3	113	20,975	3	0	3	115
				T2S	19,206	3	0	3	105	20,690	3	0	3	113	20,952	3	0	3	114
				T2M	19,305	3	0	3	105	20,797	3	0	3	114	21,060	3	0	3	115
				T3S	18,696	3	0	3	102	20,141	3	0	3	110	20,396	3	0	4	111
				T3M	19,258	3	0	3	105	20,746	3	0	3	113	21,009	3	0	3	115
				T4M	18,840	3	0	4	103	20,296	3	0	4	111	20,553	3	0	4	112
				TFTM	19,246	3	0	4	105	20,734	3	0	4	113	20,996	3	0	4	115
				T5VS	20,017	4	0	1	109	21,564	4	0	1	118	21,837	4	0	1	119
				T5S	20,033	4	0	2	109	21,581	4	0	2	118	21,854	4	0	2	119
				T5M	19,983	4	0	2	109	21,527	5	0	3	118	21,799	5	0	3	119
				T5W	19,852	5	0	3	108	21,386	5	0	3	117	21,656	5	0	3	118
				BLC	15,780	2	0	3	86	16,999	2	0	3	93	17,214	2	0	3	94
				LCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
				RCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
60	1050	**P8**	207W	T1S	22,490	3	0	3	109	24,228	3	0	3	117	24,535	3	0	3	119
				T2S	22,466	3	0	4	109	24,202	3	0	4	117	24,509	3	0	4	118
				T2M	22,582	3	0	3	109	24,327	3	0	3	118	24,635	3	0	3	119
				T3S	21,870	3	0	4	106	23,560	3	0	4	114	23,858	3	0	4	115
				T3M	22,527	3	0	4	109	24,268	3	0	4	117	24,575	3	0	4	119
				T4M	22,038	3	0	4	106	23,741	3	0	4	115	24,041	3	0	4	116
				TFTM	22,513	3	0	4	109	24,253	3	0	4	117	24,560	3	0	4	119
				T5VS	23,415	5	0	1	113	25,224	5	0	1	122	25,543	5	0	1	123
				T5S	23,434	4	0	2	113	25,244	4	0	2	122	25,564	4	0	2	123
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				T5W	23,221	5	0	4	112	25,016	5	0	4	121	25,332	5	0	4	122
				BLC	18,458	2	0	3	89	19,885	2	0	3	96	20,136	2	0	3	97
				LCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
60	1250	**P9**	241W	T1S	25,575	3	0	3	106	27,551	3	0	3	114	27,900	3	0	3	116
				T2S	25,548	3	0	4	106	27,522	3	0	4	114	27,871	3	0	4	116
				T2M	25,680	3	0	3	107	27,664	3	0	3	115	28,014	3	0	3	116
				T3S	24,870	3	0	4	103	26,791	3	0	4	111	27,130	3	0	4	113
				T3M	25,617	3	0	4	106	27,597	3	0	4	115	27,946	3	0	4	116
				T4M	25,061	3	0	4	104	26,997	3	0	4	112	27,339	3	0	4	113
				TFTM	25,602	3	0	4	106	27,580	3	0	4	114	27,929	3	0	4	116
				T5VS	26,626	5	0	1	110	28,684	5	0	1	119	29,047	5	0	1	121
				T5S	26,648	4	0	2	111	28,707	5	0	2	119	29,070	5	0	2	121
				T5M	26,581	5	0	3	110	28,635	5	0	3	119	28,997	5	0	3	120
				T5W	26,406	5	0	4	110	28,447	5	0	4	118	28,807	5	0	4	120
				BLC	20,990	2	0	3	87	22,612	2	0	3	94	22,898	2	0	3	95
				LCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71
				RCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71

Performance Data

Lumen Output

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

Rotated Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60	530	**P10**	106W	T1S	13,042	3	0	3	123	14,050	3	0	3	133	14,228	3	0	3	134
				T2S	12,967	4	0	4	122	13,969	4	0	4	132	14,146	4	0	4	133
				T2M	13,201	3	0	3	125	14,221	3	0	3	134	14,401	3	0	3	136
				T3S	12,766	4	0	4	120	13,752	4	0	4	130	13,926	4	0	4	131
				T3M	13,193	4	0	4	124	14,213	4	0	4	134	14,393	4	0	4	136
				T4M	12,944	4	0	4	122	13,945	4	0	4	132	14,121	4	0	4	133
				TFTM	13,279	4	0	4	125	14,305	4	0	4	135	14,486	4	0	4	137
				T5VS	13,372	3	0	1	126	14,405	4	0	1	136	14,588	4	0	1	138
				T5S	13,260	3	0	1	125	14,284	3	0	1	135	14,465	3	0	1	136
				T5M	13,256	4	0	2	125	14,281	4	0	2	135	14,462	4	0	2	136
				T5W	13,137	4	0	3	124	14,153	4	0	3	134	14,332	4	0	3	135
				BLC	10,906	3	0	3	103	11,749	3	0	3	111	11,898	3	0	3	112
				LCCO	7,789	1	0	3	73	8,391	1	0	3	79	8,497	1	0	3	80
				RCCO	7,779	4	0	4	73	8,380	4	0	4	79	8,486	4	0	4	80
60	700	**P11**	137W	T1S	16,556	3	0	3	121	17,835	3	0	3	130	18,061	4	0	4	132
				T2S	16,461	4	0	4	120	17,733	4	0	4	129	17,957	4	0	4	131
				T2M	16,758	4	0	4	122	18,053	4	0	4	132	18,281	4	0	4	133
				T3S	16,205	4	0	4	118	17,457	4	0	4	127	17,678	4	0	4	129
				T3M	16,748	4	0	4	122	18,042	4	0	4	132	18,271	4	0	4	133
				T4M	16,432	4	0	4	120	17,702	4	0	4	129	17,926	4	0	4	131
				TFTM	16,857	4	0	4	123	18,159	4	0	4	133	18,389	4	0	4	134
				T5VS	16,975	4	0	1	124	18,287	4	0	1	133	18,518	4	0	1	135
				T5S	16,832	4	0	1	123	18,133	4	0	2	132	18,362	4	0	2	134
				T5M	16,828	4	0	2	123	18,128	4	0	2	132	18,358	4	0	2	134
				T5W	16,677	4	0	3	122	17,966	5	0	3	131	18,193	5	0	3	133
				BLC	13,845	3	0	3	101	14,915	3	0	3	109	15,103	3	0	3	110
				LCCO	9,888	1	0	3	72	10,652	2	0	3	78	10,787	2	0	3	79
				RCCO	9,875	4	0	4	72	10,638	4	0	4	78	10,773	4	0	4	79
60	1050	**P12**	207W	T1S	22,996	4	0	4	111	24,773	4	0	4	120	25,087	4	0	4	121
				T2S	22,864	4	0	4	110	24,631	5	0	5	119	24,943	5	0	5	120
				T2M	23,277	4	0	4	112	25,075	4	0	4	121	25,393	4	0	4	123
				T3S	22,509	4	0	4	109	24,248	5	0	5	117	24,555	5	0	5	119
				T3M	23,263	4	0	4	112	25,061	4	0	4	121	25,378	4	0	4	123
				T4M	22,824	5	0	5	110	24,588	5	0	5	119	24,899	5	0	5	120
				TFTM	23,414	5	0	5	113	25,223	5	0	5	122	25,543	5	0	5	123
				T5VS	23,579	5	0	1	114	25,401	5	0	1	123	25,722	5	0	1	124
				T5S	23,380	4	0	2	113	25,187	4	0	2	122	25,506	4	0	2	123
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				T5W	23,165	5	0	4	112	24,955	5	0	4	121	25,271	5	0	4	122
				BLC	19,231	4	0	4	93	20,717	4	0	4	100	20,979	4	0	4	101
				LCCO	13,734	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,716	4	0	4	66	14,776	4	0	4	71	14,963	4	0	4	72
60	1250	**P13**	231W	T1S	25,400	4	0	4	110	27,363	4	0	4	118	27,709	4	0	4	120
				T2S	25,254	5	0	5	109	27,205	5	0	5	118	27,550	5	0	5	119
				T2M	25,710	4	0	4	111	27,696	4	0	4	120	28,047	4	0	4	121
				T3S	24,862	5	0	5	108	26,783	5	0	5	116	27,122	5	0	5	117
				T3M	25,695	5	0	5	111	27,680	5	0	5	120	28,031	5	0	5	121
				T4M	25,210	5	0	5	109	27,158	5	0	5	118	27,502	5	0	5	119
				TFTM	25,861	5	0	5	112	27,860	5	0	5	121	28,212	5	0	5	122
				T5VS	26,043	5	0	1	113	28,056	5	0	1	121	28,411	5	0	1	123
				T5S	25,824	4	0	2	112	27,819	5	0	2	120	28,172	5	0	2	122
				T5M	25,818	5	0	3	112	27,813	5	0	3	120	28,165	5	0	3	122
				T5W	25,586	5	0	4	111	27,563	5	0	4	119	27,912	5	0	4	121
				BLC	21,241	4	0	4	92	22,882	4	0	4	99	23,172	4	0	4	100
				LCCO	15,170	2	0	4	66	16,342	2	0	4	71	16,549	2	0	4	72
				RCCO	15,150	5	0	5	66	16,321	5	0	5	71	16,527	5	0	5	72

FEATURES & SPECIFICATIONS

INTENDED USE
The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

CONSTRUCTION
Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.01 ft^2) for optimized pole wind loading.

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS
Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS
The DSX1 LED area luminaire has a number of control options. DSX Size 1, comes standard with 0-10V dimming drivers. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensors with on-board photocells feature field-adjustable programing and are suitable for mounting heights up to 30 feet.

nLIGHT AIR CONTROLS
The DSX1 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

INSTALLATION
Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). NEMA photocontrol receptacle are also available.

LISTINGS
UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40ºC minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

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International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

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

WARRANTY
5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/support/customer-support/terms-and-conditions

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

D-Series Size 1
LED Wall Luminaire

Buy American

d-series

Catalog Number

Notes

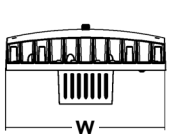
Type

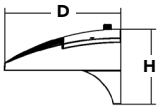
Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

Luminaire

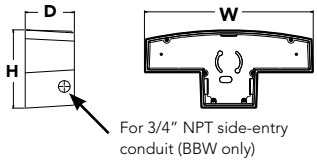
Width:	13-3/4" *(34.9 cm)*	**Weight:**	12 lbs *(5.4 kg)*
Depth:	10" *(25.4 cm)*		
Height:	6-3/8" *(16.2 cm)*		





Back Box (BBW, ELCW)

Width:	13-3/4" *(34.9 cm)*	**BBW Weight:**	5 lbs *(2.3 kg)*
Depth:	4" *(10.2 cm)*	**ELCW Weight:**	10 lbs *(4.5 kg)*
Height:	6-3/8" *(16.2 cm)*		



Introduction

The D-Series Wall luminaire is a stylish, fully integrated LED solution for building-mount applications. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 20 years of nighttime use and up to 74% in energy savings over comparable 250W metal halide luminaires, the D-Series Wall is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Ordering Information

EXAMPLE: DSXW1 LED 20C 1000 40K T3M MVOLT DDBTXD

DSXW1 LED

Series	LEDs	Drive Current	Color temperature	Distribution	Voltage	Mounting	Control Options
DSXW1 LED	10C 10 LEDs (one engine) 20C 20 LEDs (two engines) [1]	350 350 mA 530 530 mA 700 700 mA 1000 1000 mA (1 A) [1]	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted	T2S Type II Short T2M Type II Medium T3S Type III Short T3M Type III Medium T4M Type IV Medium TFTM Forward Throw Medium	MVOLT [2] 120 [3] 208 [3] 240 [3] 277 [3] 347 [3,4] 480 [3,4]	**Shipped included** (blank) Surface mounting bracket BBW Surface-mounted back box (for conduit entry) [5]	**Shipped installed** PE Photoelectric cell, button type [6] DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) PIR 180° motion/ambient light sensor, <15' mtg ht [1,7] PIRH 180° motion/ambient light sensor, 15-30' mtg ht [1,7] PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc [1,7] PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc [1,7] ELCW Emergency battery backup (includes external component enclosure), CA Title 20 Noncompliant [8,9]

Other Options

Shipped installed

SF	Single fuse (120, 277 or 347V) [3,10]
DF	Double fuse (208, 240 or 480V) [3,10]
HS	House-side shield [11]
SPD	Separate surge protection [12]

Shipped separately [11]

BSW	Bird-deterrent spikes
VG	Vandal guard
DDL	Diffused drop lens

Finish *(required)*

DDBXD	Dark bronze	DSSXD	Sandstone	DWHGXD	Textured white
DBLXD	Black	DDBTXD	Textured dark bronze	DSSTXD	Textured sandstone
DNAXD	Natural aluminum	DBLBXD	Textured black		
DWHXD	White	DNATXD	Textured natural aluminum		

Accessories

Ordered and shipped separately.

DSXWHS U	House-side shield (one per light engine)
DSXWBSW U	Bird-deterrent spikes
DSXW1VG U	Vandal guard accessory

NOTES

1. 20C 1000 is not available with PIR, PIRH, PIR1FC3V or PIRH1FC3V.
2. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
3. Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
4. Only available with 20C, 700mA or 1000mA. Not available with PIR or PIRH.
5. Back box ships installed on fixture. Cannot be field installed. Cannot be ordered as an accessory.
6. Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
7. Reference Motion Sensor table on page 3.
8. Cold weather (-20C) rated. Not compatible with conduit entry applications. Not available with BBW mounting option. Not available with fusing. Not available with 347 or 480 voltage options. Emergency components located in back box housing. Emergency mode IES files located on product page at www.lithonia.com
9. Not available with SPD.
10. Not available with ELCW.
11. Also available as a separate accessory; see Accessories information.
12. Not available with ELCW.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Contact factory for performance data on any configurations not shown here.

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70CRI)					40K (4000 K, 70CRI)					50K (5000 K, 70CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
10C (10 LEDs)	350mA	13W	T2S	1,415	0	0	1	109	1,520	0	0	1	117	1,530	0	0	1	118	894	0	0	1	69
			T2M	1,349	0	0	1	104	1,448	0	0	1	111	1,458	0	0	1	112	852	0	0	1	66
			T3S	1,399	0	0	1	108	1,503	0	0	1	116	1,512	0	0	1	116	884	0	0	1	68
			T3M	1,385	0	0	1	107	1,488	0	0	1	114	1,497	0	0	1	115	876	0	0	1	67
			T4M	1,357	0	0	1	104	1,458	0	0	1	112	1,467	0	0	1	113	858	0	0	1	66
			TFTM	1,411	0	0	1	109	1,515	0	0	1	117	1,525	0	0	1	117	892	0	0	1	69
	530 mA	19W	T2S	2,053	1	0	1	108	2,205	1	0	1	116	2,220	1	0	1	117	1,264	0	0	1	67
			T2M	1,957	1	0	1	103	2,102	1	0	1	111	2,115	1	0	1	111	1,205	0	0	1	63
			T3S	2,031	1	0	1	107	2,181	1	0	1	115	2,194	1	0	1	115	1,250	0	0	1	66
			T3M	2,010	1	0	1	106	2,159	1	0	1	114	2,172	1	0	1	114	1,237	0	0	1	65
			T4M	1,970	1	0	1	104	2,115	1	0	1	111	2,129	1	0	1	112	1,212	0	0	1	64
			TFTM	2,047	0	0	1	108	2,198	1	0	1	116	2,212	1	0	1	116	1,260	0	0	1	66
	700 mA	26W	T2S	2,623	1	0	1	101	2,816	1	0	1	108	2,834	1	0	1	109	1,544	0	0	1	59
			T2M	2,499	1	0	1	96	2,684	1	0	1	103	2,701	1	0	1	104	1,472	0	0	1	57
			T3S	2,593	1	0	1	100	2,785	1	0	1	107	2,802	1	0	1	108	1,527	0	0	1	59
			T3M	2,567	1	0	1	99	2,757	1	0	1	106	2,774	1	0	1	107	1,512	0	0	1	58
			T4M	2,515	1	0	1	97	2,701	1	0	1	104	2,718	1	0	1	105	1,481	0	0	1	57
			TFTM	2,614	1	0	1	101	2,808	1	0	1	108	2,825	1	0	1	109	1,539	0	0	1	59
	1000 mA	39W	T2S	3,685	1	0	1	94	3,957	1	0	1	101	3,982	1	0	1	102	2,235	1	0	1	57
			T2M	3,512	1	0	1	90	3,771	1	0	1	97	3,794	1	0	1	97	2,130	1	0	1	55
			T3S	3,644	1	0	1	93	3,913	1	0	1	100	3,938	1	0	1	101	2,210	1	0	1	57
			T3M	3,607	1	0	1	92	3,873	1	0	1	99	3,898	1	0	1	100	2,187	1	0	1	56
			T4M	3,534	1	0	2	91	3,796	1	0	2	97	3,819	1	0	2	98	2,143	1	0	1	55
			TFTM	3,673	1	0	1	94	3,945	1	0	1	101	3,969	1	0	1	102	2,228	1	0	1	57
20C (20 LEDs)	350mA	23W	T2S	2,820	1	0	1	123	3,028	1	0	1	132	3,047	1	0	1	132	1,777	1	0	1	77
			T2M	2,688	1	0	1	117	2,886	1	0	1	125	2,904	1	0	1	126	1,693	1	0	1	74
			T3S	2,789	1	0	1	121	2,994	1	0	1	130	3,014	1	0	1	131	1,757	0	0	1	76
			T3M	2,760	1	0	1	120	2,965	1	0	1	129	2,983	1	0	1	130	1,739	1	0	1	76
			T4M	2,704	1	0	1	118	2,905	1	0	1	126	2,922	1	0	1	127	1,704	1	0	1	74
			TFTM	2,811	1	0	1	122	3,019	1	0	1	131	3,038	1	0	1	132	1,771	0	0	1	77
	530 mA	35W	T2S	4,079	1	0	1	117	4,380	1	0	1	125	4,407	1	0	1	126	2,504	1	0	1	72
			T2M	3,887	1	0	1	111	4,174	1	0	1	119	4,201	1	0	1	120	2,387	1	0	1	68
			T3S	4,033	1	0	1	115	4,331	1	0	1	124	4,359	1	0	1	125	2,477	1	0	1	71
			T3M	3,993	1	0	2	114	4,288	1	0	2	123	4,315	1	0	2	123	2,451	1	0	1	70
			T4M	3,912	1	0	2	112	4,201	1	0	2	120	4,227	1	0	2	121	2,402	1	0	1	69
			TFTM	4,066	1	0	2	116	4,366	1	0	2	125	4,394	1	0	2	126	2,496	1	0	1	71
	700 mA	46W	T2S	5,188	1	0	1	113	5,572	1	0	1	121	5,607	1	0	1	122	3,065	1	0	1	67
			T2M	4,945	1	0	2	108	5,309	1	0	2	115	5,343	1	0	2	116	2,921	1	0	1	64
			T3S	5,131	1	0	2	112	5,510	1	0	2	120	5,544	1	0	2	121	3,031	1	0	1	66
			T3M	5,078	1	0	2	110	5,454	1	0	2	119	5,487	1	0	2	119	3,000	1	0	1	65
			T4M	4,975	1	0	2	108	5,343	1	0	2	116	5,376	1	0	2	117	2,939	1	0	1	64
			TFTM	5,172	1	0	2	112	5,554	1	0	2	121	5,589	1	0	2	122	3,055	1	0	1	66
	1000 mA	73W	T2S	7,204	1	0	2	99	7,736	2	0	2	106	7,784	2	0	2	107	4,429	1	0	1	61
			T2M	6,865	1	0	2	94	7,373	2	0	2	101	7,419	2	0	2	102	4,221	1	0	1	58
			T3S	7,125	1	0	2	98	7,651	1	0	2	105	7,698	1	0	2	105	4,380	1	0	1	60
			T3M	7,052	1	0	2	97	7,573	2	0	2	104	7,620	2	0	2	104	4,335	1	0	2	59
			T4M	6,909	1	0	2	95	7,420	1	0	2	102	7,466	1	0	2	102	4,248	1	0	2	58
			TFTM	7,182	1	0	2	98	7,712	1	0	2	106	7,761	1	0	2	106	4,415	1	0	2	60

Performance Data

Lumen Ambient Temperature (LAT) Multipliers

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

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	**77°F**	**1.00**
30°C	86°F	1.00
40°C	104°F	0.98

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **DSXW1 LED 20C 1000** platform in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

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

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.95	0.93	0.88

Electrical Load

LEDs	Drive Current (mA)	System Watts	Current (A) 120V	208V	240V	277V	347V	480V
10C	350	14 W	0.13	0.07	0.06	0.06	-	-
	530	20 W	0.19	0.11	0.09	0.08	-	-
	700	27 W	0.25	0.14	0.13	0.11	-	-
	1000	40 W	0.37	0.21	0.19	0.16	-	-
20C	350	24 W	0.23	0.13	0.12	0.10	-	-
	530	36 W	0.33	0.19	0.17	0.14	-	-
	700	47 W	0.44	0.25	0.22	0.19	0.15	0.11
	1000	74 W	0.69	0.40	0.35	0.30	0.23	0.17

Motion Sensor Default Settings

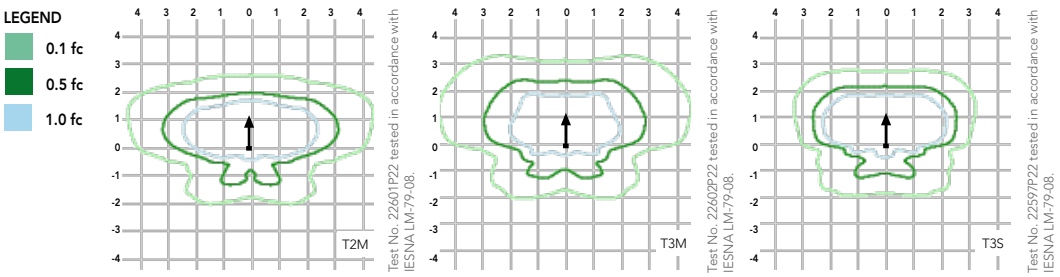
Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min

*For use when motion sensor is used as dusk to dawn control

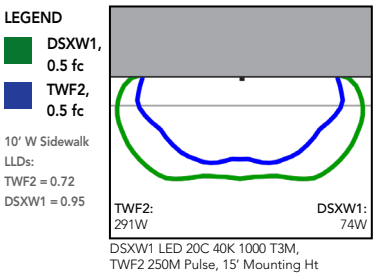
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Wall Size 1 homepage.

Isofootcandle plots for the DSXW1 LED 20C 1000 40K. Distances are in units of mounting height (15').



Distribution overlay comparison to 250W metal halide.



DSXW1 LED 20C 40K 1000 T3M, TWF2 250M Pulse, 15' Mounting Ht

Options and Accessories

T3M (left)

HS - House-side shields

BSW - Bird-deterrent spikes

VG - Vandal guard

DDL - Diffused drop lens

FEATURES & SPECIFICATIONS

INTENDED USE
The energy savings, long life and easy-to-install design of the D-Series Wall Size 1 make it the smart choice for building-mounted doorway and pathway illumination for nearly any facility.

CONSTRUCTION
Two-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance. The LED driver is mounted to the door to thermally isolate it from the light engines for low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65).

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

OPTICS
Precision-molded proprietary acrylic lenses provide multiple photometric distributions tailored specifically to building mounted applications. Light engines are available in 3000 K (70 min. CRI), 4000 K (70 min. CRI) or 5000 K (70 min. CRI) configurations.

ELECTRICAL
Light engine(s) consist of 10 high-efficacy LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life (L88/100,000 hrs at 25°C). Class 1 electronic drivers have a power factor >90%, THD <20%, and a minimum 2.5KV surge rating. When ordering the SPD option, a separate surge protection device is installed within the luminaire which meets a minimum Category C Low (per ANSI/IEEE C62.41.2).

INSTALLATION
Included universal mounting bracket attaches securely to any 4" round or square outlet box for quick and easy installation. Luminaire has a slotted gasket wireway and attaches to the mounting bracket via corrosion-resistant screws.

LISTINGS
CSA certified to U.S. and Canadian standards. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

BUY AMERICAN
This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/resources/buy-american for additional information.

WARRANTY
Five-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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

Cypress OW1202

GET A QUOTE

H	24-1/8" (613 mm)
W	10-1/2" (267 mm)
D	7-1/2" (191 mm)

CCT
3000K
3500K
4000K

LUMENS

Spec Sheet

IES

Install

600
1200

WATTS
13
28

POWER
Integral

CONTROL
0-10V to 1%

CRITERION
Wet

Also of Interest:

Cypress OW1222
Cypress OW1204
Cypress CB5124

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Milwaukee, WI 53209
800-788-VISA

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Jackie Michaels

From: Jackie Michaels <jackiem@eua.com>
Sent: Thursday, May 6, 2021 4:10 PM
To: district12@cityofmadison.com
Cc: Abie Khatchadourian; Brandon L Halverson
Subject: RE: MMSD East High School Improvements UDC Submittals

Dear Syed Abbas, District 12 alder person,

As you know, we are moving forward with major project improvements in your district. East High School (2222 East Washington Avenue) will be receiving improvements I listed below in my previous email. We wanted to follow up with you to share that it is our intent to file for a conditional use application as part of the City submission process.

If you have any questions, feel free to reach out to Brandon Halverson, Assistant Director – MMSD Facilities at 608-204-7912 or blhalverson@madison.k12.wi.us or visit the District's website at https://www.madison.k12.wi.us/2020-referenda-future-ready.

Thank you for your support,

Jackie Michaels

Jackie Michaels, AIA, LEED AP BD+C
Senior Project Manager : Associate

EUA | 333 East Chicago Street | Milwaukee, WI 53202
main : 414.271.5350 | direct : 414.298.2240
milwaukee : madison : denver

eua.com

From: Jackie Michaels
Sent: Thursday, April 22, 2021 8:13 AM
To: district12@cityofmadison.com
Cc: Abie Khatchadourian <abiek@eua.com>; Brandon L Halverson <blhalverson@madison.k12.wi.us>
Subject: MMSD East High School Improvements UDC Submittals

Dear Syed Abbas, District 12 alder person,

Good morning! As you are aware, Madison voters approved a record breaking facilities referendum to invest in our schools and community. The design team has been working to ensure we are allocating the resources wisely for our students.

In your district, East High School (2222 East Washington Avenue) is slated to receive some major improvements. The scope at East School includes a new Welcome center addition, Fitness center addition and Commons/Music addition. The interior renovations include upgrades to the library, CTE area, accessibility upgrades as well as other enhancements to educational classrooms, locker rooms and the mall.

We have been in ongoing conversations with city's design assistance staff regarding the planned improvements to all schools. We are at the point that we will be submitting East High School to the Urban Design Commission for our first informational review on June 1st. The Commission would review on June 30th. This email shall serve as our notice to you that we are planning to formally make these improvements public. If you have any questions regarding the ongoing renovations and additions, please refer to the district's website at https://www.madison.k12.wi.us/2020-referenda-future-ready or feel free to contact Brandon Halverson, Assistant Director – MMSD Facilities at 608-204-7912 or blhalverson@madison.k12.wi.us .

Thank you very much for your support in this matter,

Jackie Michaels

Jackie Michaels, AIA, LEED AP BD+C
Senior Project Manager : Associate

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main : 414.271.5350 | direct : 414.298.2240
milwaukee : madison : denver

eua.com

Jackie Michaels

From: Jackie Michaels <jackiem@eua.com>
Sent: Thursday, May 6, 2021 4:10 PM
To: eenachairs@gmail.com
Cc: Abie Khatchadourian; Brandon L Halverson
Subject: RE: MMSD East High School Improvements UDC Submittals

Dear Amanda Duesterbeck and Christina Heaton, neighborhood association contact person,

As you know, we are moving forward with major project improvements in your district. East High School (2222 East Washington Avenue) will be receiving improvements I listed below in my previous email. We wanted to follow up with you to share that it is our intent to file for a conditional use application as part of the City submission process.

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Thank you for your support,

Jackie Michaels

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Senior Project Manager : Associate

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Sent: Thursday, April 22, 2021 8:13 AM
To: eenachairs@gmail.com
Cc: Abie Khatchadourian <abiek@eua.com>; Brandon L Halverson <blhalverson@madison.k12.wi.us>
Subject: MMSD East High School Improvements UDC Submittals

Dear Amanda Duesterbeck and Christina Heaton, neighborhood association contact person,

Good morning! As you are aware, Madison voters approved a record breaking facilities referendum to invest in our schools and community. The design team has been working to ensure we are allocating the resources wisely for our students.

In your nieghborhood, East High School (2222 East Washington Avenue) is slated to receive some major improvements. The scope at East School includes a new Welcome center addition, Fitness center addition and Commons/Music addition. The interior renovations include upgrades to the library, CTE area, accessibility upgrades as well as other enhancements to educational classrooms, locker rooms and the mall.

We have been in ongoing conversations with city's design assistance staff regarding the planned improvements to all schools. We are at the point that we will be submitting East High School to the Urban Design Commission for our first informational review on June 1st. The Commission would review on June 30th. This email shall serve as our notice to you that we are planning to formally make these improvements public. If you have any questions regarding the ongoing renovations and additions, please refer to the district's website at https://www.madison.k12.wi.us/2020-referenda-future-ready or feel free to contact Brandon Halverson, Assistant Director – MMSD Facilities at 608-204-7912 or blhalverson@madison.k12.wi.us .

Thank you very much for your support in this matter,

Jackie Michaels

Jackie Michaels, AIA, LEED AP BD+C
Senior Project Manager : Associate

EUA | 333 East Chicago Street | Milwaukee, WI 53202
main : 414.271.5350 | direct : 414.298.2240
milwaukee : madison : denver

eua.com

Jackie Michaels

From: Jackie Michaels <jackiem@eua.com>
Sent: Thursday, May 6, 2021 4:43 PM
To: doghausuniversity@gmail.com; jim@madisoncorknbottle.com
Cc: Abie Khatchadourian; Brandon Halverson (blhalverson@madison.k12.wi.us)
Subject: MMSD East High School Improvements UDC Submittals

Dear Nate Mathis-Vargas and Jim Wright, neighborhood business association contact persons,

Greetings! As you are aware, Madison voters approved a record breaking facilities referendum to invest in our schools and community. The design team has been working to ensure we are allocating the resources wisely for our students.

In your neighborhood, East High School (2222 East Washington Avenue) is slated to receive some major improvements. The scope at East School includes a new Welcome center addition, Fitness center addition and Commons/Music addition. The interior renovations include upgrades to the library, CTE area, accessibility upgrades as well as other enhancements to educational classrooms, locker rooms and the mall.

We have been in ongoing conversations with city's design assistance staff regarding the planned improvements to all schools and it is our intent to file for a conditional use application as part of the City submission process. We are at the point that we will be submitting East High School to the Urban Design Commission for our first informational review on June 1st. The Commission would review on June 30th. This email shall serve as our notice to you that we are planning to formally make these improvements public. If you have any questions regarding the ongoing renovations and additions, please refer to the district's website at https://www.madison.k12.wi.us/2020-referenda-future-ready or feel free to contact Brandon Halverson, Assistant Director – MMSD Facilities at 608-204-7912 or blhalverson@madison.k12.wi.us .

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Jackie Michaels

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Sent: Thursday, May 6, 2021 4:43 PM
To: info@madisonnba.com
Cc: Abie Khatchadourian; Brandon Halverson (blhalverson@madison.k12.wi.us)
Subject: MMSD East High School Improvements UDC Submittals

Dear Karen Thompson , neighborhood business association contact person,

Greetings! As you are aware, Madison voters approved a record breaking facilities referendum to invest in our schools and community. The design team has been working to ensure we are allocating the resources wisely for our students.

In your neighborhood, East High School (2222 East Washington Avenue) is slated to receive some major improvements. The scope at East School includes a new Welcome center addition, Fitness center addition and Commons/Music addition. The interior renovations include upgrades to the library, CTE area, accessibility upgrades as well as other enhancements to educational classrooms, locker rooms and the mall.

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