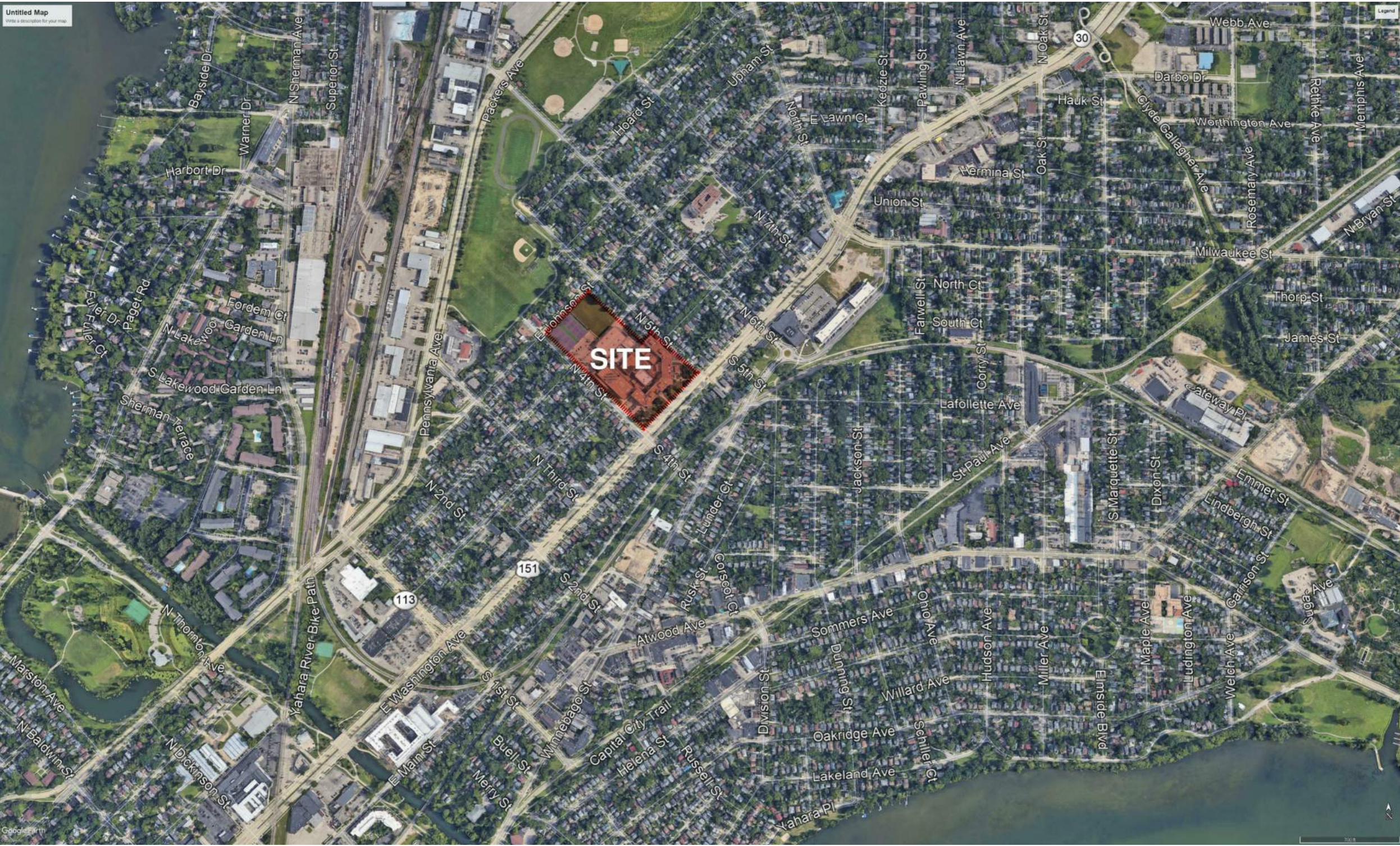


SHEET NUMBER	SHEET NAME	SHEET NUMBER	SHEET NAME
T-00	COVER	A-00	EXISTING SITE IMAGES
T-01	SITE LOCATION	A-01	ARCHITECTURAL DESIGN CONTEXT
V-01	TOPOGRAPHICAL AND UTILITY SURVEY	A-02	BASEMENT FLOOR PLAN
V-02	TOPOGRAPHICAL AND UTILITY SURVEY	A-03	GROUND FLOOR PLAN
V-03	TOPOGRAPHICAL AND UTILITY SURVEY	A-04	1ST FLOOR PLAN
C-10	SITE PLAN - OVERALL	A-05	2ND FLOOR PLAN
C-11	SITE PLAN - BUILDING ADDITIONS	A-06	3RD FLOOR PLAN
C-20	GRADING & EROSION CONTROL PLAN	A-07	ROOF PLAN
C-01	DETAIL GRADING & EROSION CONTROL PLAN	A-10	BUILDING ELEVATIONS
C-30	UTILITY PLAN	A-11	BUILDING ELEVATIONS
C-31	UTILITY PLAN - BUILDING ADDITION DETAIL	A-12	PERSPECTIVES
F-10	PRE APPARATUS ACCESS EXHIBIT	A-13	PERSPECTIVES
L-10	LANDSCAPE PLAN - EXISTING CONDITIONS	A-14	MATERIALS AND LIGHTING
L-11	LANDSCAPE PLAN	E-01	ELECTRICAL SITE PLAN
L-12	LANDSCAPE PLAN ENLARGEMENTS		

# MMSD - EAST HS ADDITION AND RENOVATION

2222 E. WASHINGTON AVE  
MADISON, WI 53704



## UDC & PLAN COMMISSION

JUNE 1, 2021

PROJECT NUMBER: 320534-01





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Madison, Wisconsin 53703  
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denver 1899 Wynkoop Street, Suite 300  
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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 MANAGEU

JACKIE MICHAELS
PROJECT NUMBER 320534-01

SITE LOCATION

T-01

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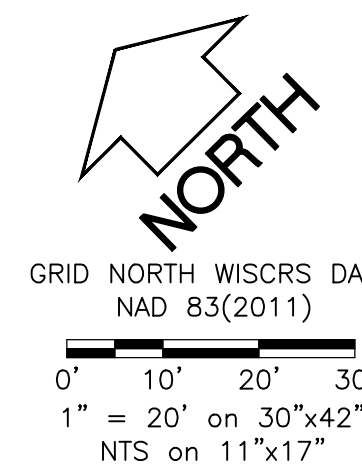
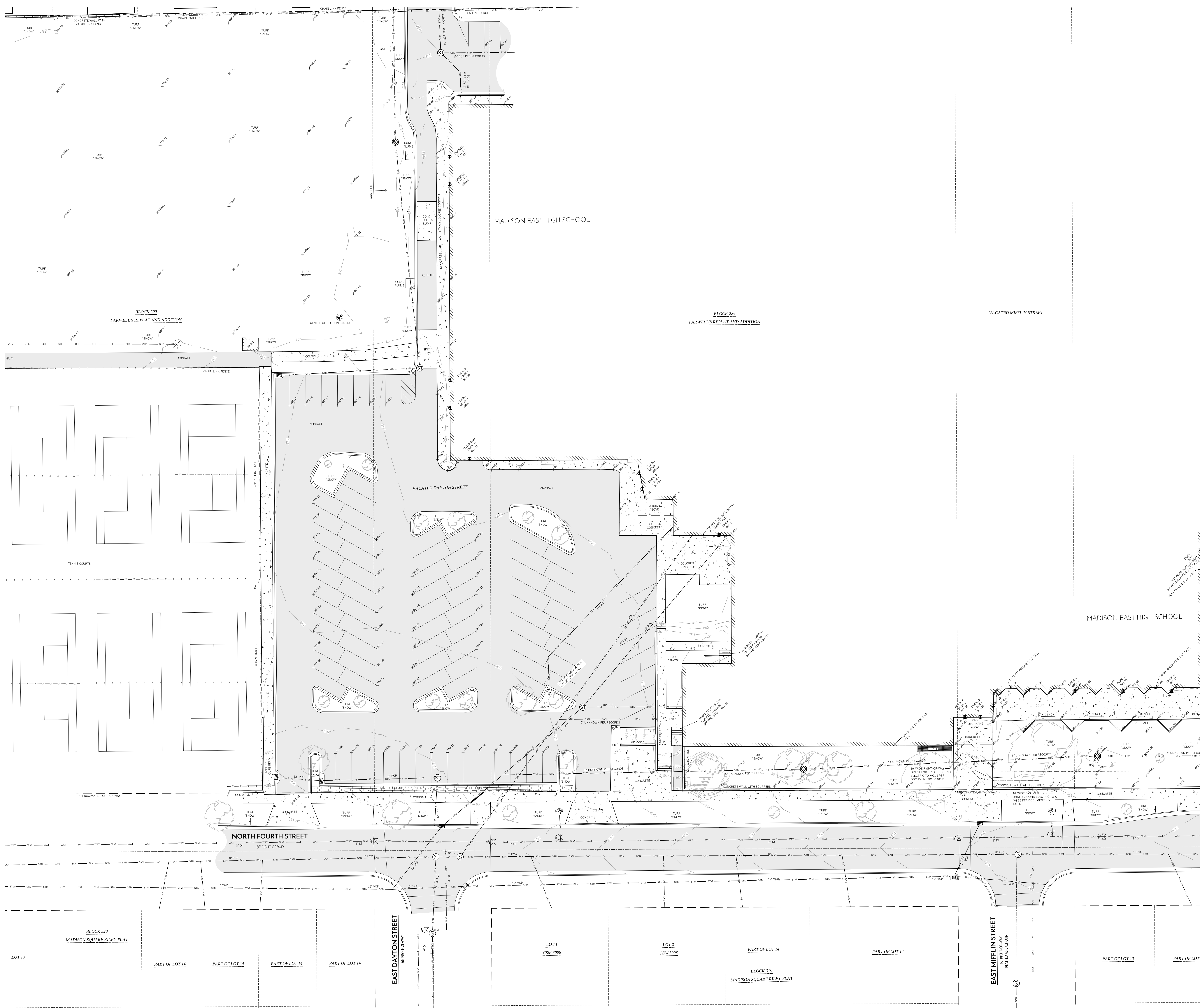


Map data ©2021 Google









### LEGEND

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|  | FOUND 3/4\"/>                        |
|  | FOUND IRON PIPE SIZE NOTED           |
|  | SIGN                                 |
|  | BOLLARD                              |
|  | SANITARY MANHOLE                     |
|  | FIRE HYDRANT                         |
|  | WATER VALVE                          |
|  | WATER MANHOLE                        |
|  | INLET/CATCH BASIN                    |
|  | STORM BOX VAULT                      |
|  | STORM MANHOLE                        |
|  | GAS VALVE                            |
|  | UTILITY PEDESTAL                     |
|  | UTILITY VAULT                        |
|  | UNKNOWN MANHOLE                      |
|  | UTILITY POLE                         |
|  | LIGHT POLE                           |
|  | ELECTRICAL TRANSFORMER               |
|  | PROPERTY LINE                        |
|  | PLATTED LINE                         |
|  | APPROXIMATE RIGHT-OF-WAY LINE        |
|  | SECTION / QUARTER LINE               |
|  | CENTERLINE                           |
|  | EASEMENT LINE                        |
|  | BUILDING FOOTPRINT                   |
|  | EDGE OF CONCRETE                     |
|  | EDGE OF ASPHALT                      |
|  | FENCE LINE                           |
|  | RAILING                              |
|  | STONE WALL                           |
|  | SANITARY SEWER                       |
|  | WATER MAIN                           |
|  | STORM SEWER                          |
|  | NATURAL GAS LINE                     |
|  | FIBER OPTIC LINE                     |
|  | COMMUNICATION LINE                   |
|  | UNDERGROUND ELECTRIC LINE            |
|  | OVERHEAD ELECTRIC LINE               |
|  | TRAFFIC ENGINEERING LINE             |
|  | ASPHALT PAVEMENT                     |
|  | CONCRETE PAVEMENT                    |
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|  | CONTOUR MINOR                        |

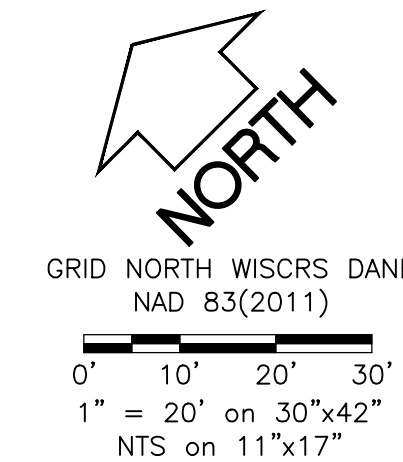
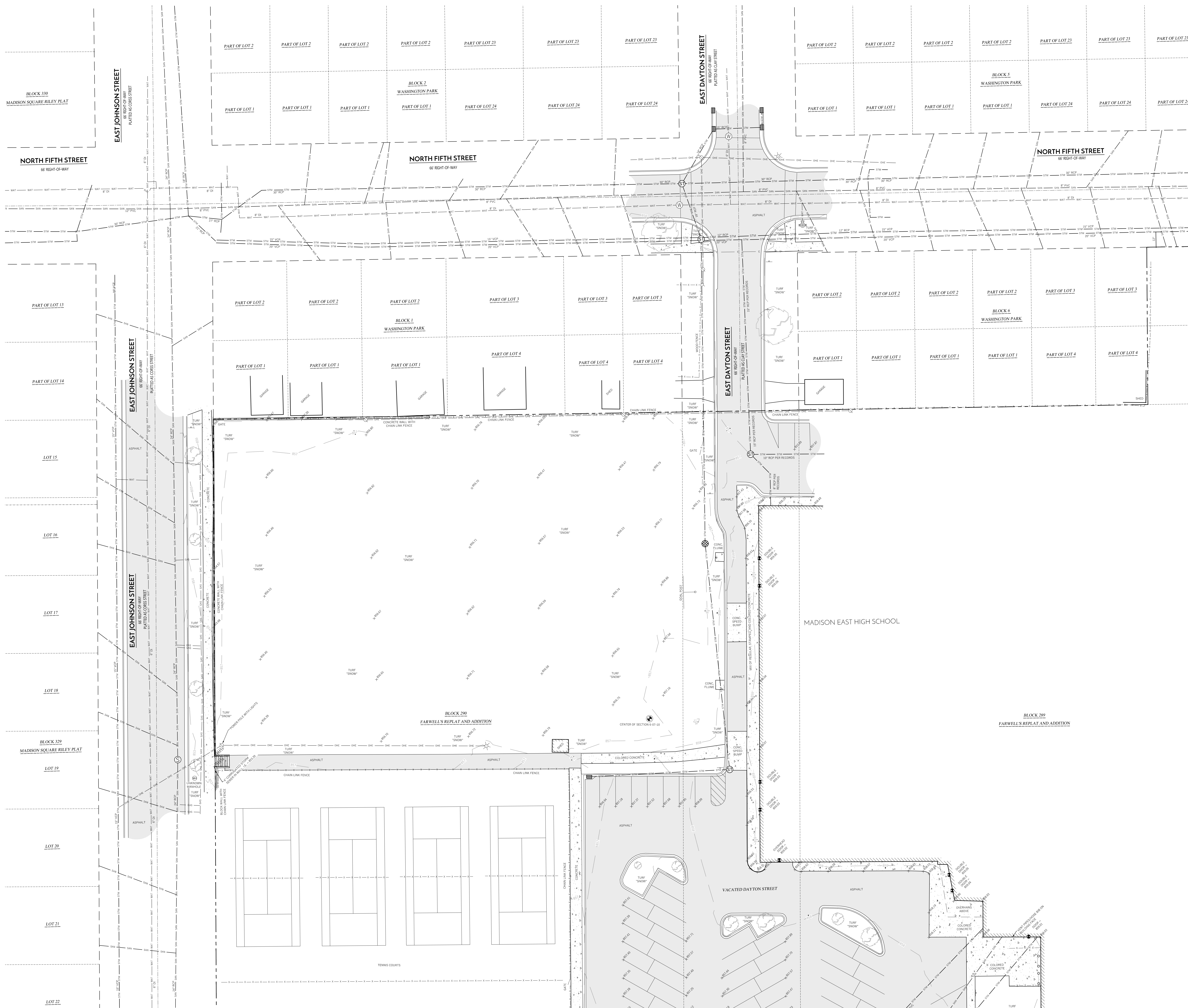
1. FIELD WORK PERFORMED BY WYSER ENGINEERING, LLC DURING THE MONTH OF JANUARY AND FEBRUARY 2021
2. NORTH REFERENCE FOR THIS ALTA/NPS/ LAND TITLE SURVEY AND MAP ARE BASED ON THE WISCONSIN COORDINATE REFERENCE SYSTEM, NAD 83 (1117) - DANE COUNTY ZONE ( WISCONS DANE ), GRID NORTH.
3. SUBSURFACE UTILITIES AND FIXTURES SHOWN ON THE MAP HAVE BEEN LOCATED BY LOCATION OF EXISTING UNDERGROUND UTILITIES AND ACCESSORIES, DIGGERS HOTLINE FIELD MARKINGS AND EXISTING MAPS AND RECORDS.
4. BEFORE EXCAVATION, APPROPRIATE UTILITY COMPANIES SHOULD BE CONTACTED FOR EXACT LOCATION OF UNDERGROUND UTILITIES, CONTACT DIGGERS HOTLINE AT 1.800.242.8511 OR 811
5. SURVEY WAS PERFORMED UNDER WINTER CONDITIONS, WITH SNOW COVER OVER LARGE PORTIONS OF THE SITE AT THE TIME OF FIELD SURVEY. FEATURES MAY BE PRESENT AT THE TIME OF SURVEY THAT WERE NOT OBSERVABLE.
6. THIS PARCEL IS SUBJECT TO ALL EASEMENTS AND AGREEMENTS, BOTH RECORDED AND UNRECORDED
7. FEATURES HAVE BEEN LOCATED BY SURVEYOR IN FIELD THAT MAY HAVE ADVERSE TITLE EASEMENTS. AS TO WHICH ELEMENT - EASEMENT OR CLAIM OF EASEMENT, REQUIREMENT FOR DESCRIPTIVE EASEMENT, AND SO FORTH CAN NOT BE DETERMINED BY SURVEYOR.

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

<b>Revisions:</b>		
No.	Date:	Description:
Graphic Scale	 0''   5''   10''   20''   30'	
Weyer Number	20-0696	
Set Type	TOPO MAP	
Date Issued	02/16/2021	
Sheet Number	V-02	





LEGEND	
	FOUND PLSS MONUMENT
	TYPE NOTED
	FOUND 3/4" REBAR
	FOUND IRON PIPE SIZE NOTED
	SIGN
	BOLLARD
	SANITARY MANHOLE
	FIRE HYDRANT
	WATER VALVE
	WATER MANHOLE
	INLET/CATCH BASIN
	STORM BOX VAULT
	STORM MANHOLE
	GAS VALVE
	UTILITY PEDESTAL
	UTILITY VAULT
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	PLATTED LINE
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	EASEMENT LINE
	BUILDING FOOTPRINT
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	STONE WALL
	SANITARY SEWER
	WATER MAIN
	STORM SEWER
	NATURAL GAS LINE
	FIBER OPTIC LINE
	COMMUNICATION LINE
	OVERHEAD UTILITY LINE
	TRAFFIC ENGINEERING LINE
	ASPHALT PAVEMENT
	CONCRETE PAVEMENT
	PAVES/OR STAMPED CONCRETE
	CONTOUR MAJOR
	CONTOUR MINOR

FIELD WORK PERFORMED BY WYSER ENGINEERING, LLC. DURING THE MONTH OF JANUARY AND FEBRUARY 2021

NORTH REFERENCE FOR THIS LOTS/PLSS LAND TITLE SURVEY AND MAP ARE BASED ON THE WISCONSIN COORDINATE REFERENCE SYSTEM, NAD 83 (2011) - DANE COUNTY ZONE (WISCONS DANE), GRID NORTH.

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.

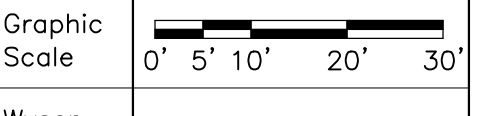
BEFORE EXCAVATION, APPROPRIATE UTILITY COMPANIES SHOULD BE CONTACTED FOR EACH LOCATION. AS TO WHICH ELEMENT UTILITIES, CONTACT DIGGERS HOTLINE, AT 1.800.242.8511 OR 811.

SURVEY WAS PERFORMED UNDER WINTER CONDITIONS, WITH SNOW COVER OVER LARGE PORTIONS OF THE SITE AT THE TIME OF FIELD WORK. FEATURES MAY BE PRESENT AT THE TIME OF SURVEY THAT WERE NOT RECORDED.

THIS PARCEL IS SUBJECT TO ALL EASEMENTS AND AGREEMENTS, BOTH RECORDED AND UNRECORDED.

FEATURES HAVE BEEN LOCATED BY SURVEYOR IN FIELD THAT MAY HAVE ADVERSE TITLE ELEMENTS, AS TO WHICH ELEMENT ENCROACHMENT, CLAIM OF UNRECORDED EASEMENT, PRESCRIPTIVE EASEMENT, AND SO FORTH CAN NOT BE DETERMINED BY SURVEYOR.

1. FIELD WORK PERFORMED BY WYSER ENGINEERING, LLC, DURING THE MONTH OF JANUARY AND FEBRUARY 2021.
2. NORTH REFERENCE FOR THIS ALTA/NSPL LAND TITLE, SURVEY AND MAP ARE BASED ON THE WISCONSIN COORDINATE REFERENCE SYSTEM, NAD 83, ZONE 16, NORTH, COUNTY OF DANE, J. GROUND 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.
4. BEFORE EXCAVATION, APPROPRIATE UTILITY COMPANIES SHOULD BE CONTACTED FOR EXACT LOCATION OF UNDERGROUND UTILITIES. CONTACT DIGGERS HOTLINE, AT 1.800.242.8581 OR 811.
5. FIELD WORK WAS PERFORMED DURING WINTER CONDITIONS, WITH SNOW COVERING LARGE PORTIONS OF THE SITE AT THE TIME OF FIELD WORK. FEATURES MAY BE PRESENT AT THE TIME OF SURVEY THAT WERE NOT OBSERVABLE.
6. THIS PARCEL IS SUBJECT TO ALL EASEMENTS AND AGREEMENTS, BOTH RECORDED AND UNRECORDED.
7. FEATURES HAVE BEEN LOCATED BY SURVEYOR IN FIELD THAT MAY BE ADVERSE TITLE EASEMENTS, AS TO WHICH ENFORCEMENT, ENCROACHMENT, CLAIM OF UNRECORDED EASEMENT, PRESCRIPTIVE EASEMENT, AND SO FORTH CAN NOT BE DETERMINED BY SURVEYOR.



Revisions:		
No.	Date:	Description:
Graphic Scale	A horizontal black and white segmented scale bar representing distances from 0 feet to 30 feet. The segments are labeled at intervals of 10 feet: 0', 10', 20', and 30'.	
Wyser Number	20-0696	
Set Type	TOPO MAP	
Date Issued	02/16/2021	
Sheet Number	V-03	

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:

Sheet Title: TOPOGRAPHICAL AND UTILITY SURVEY

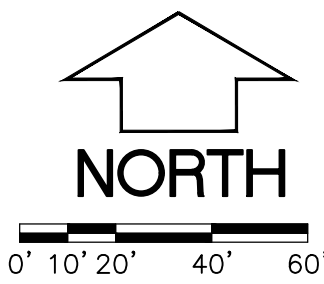
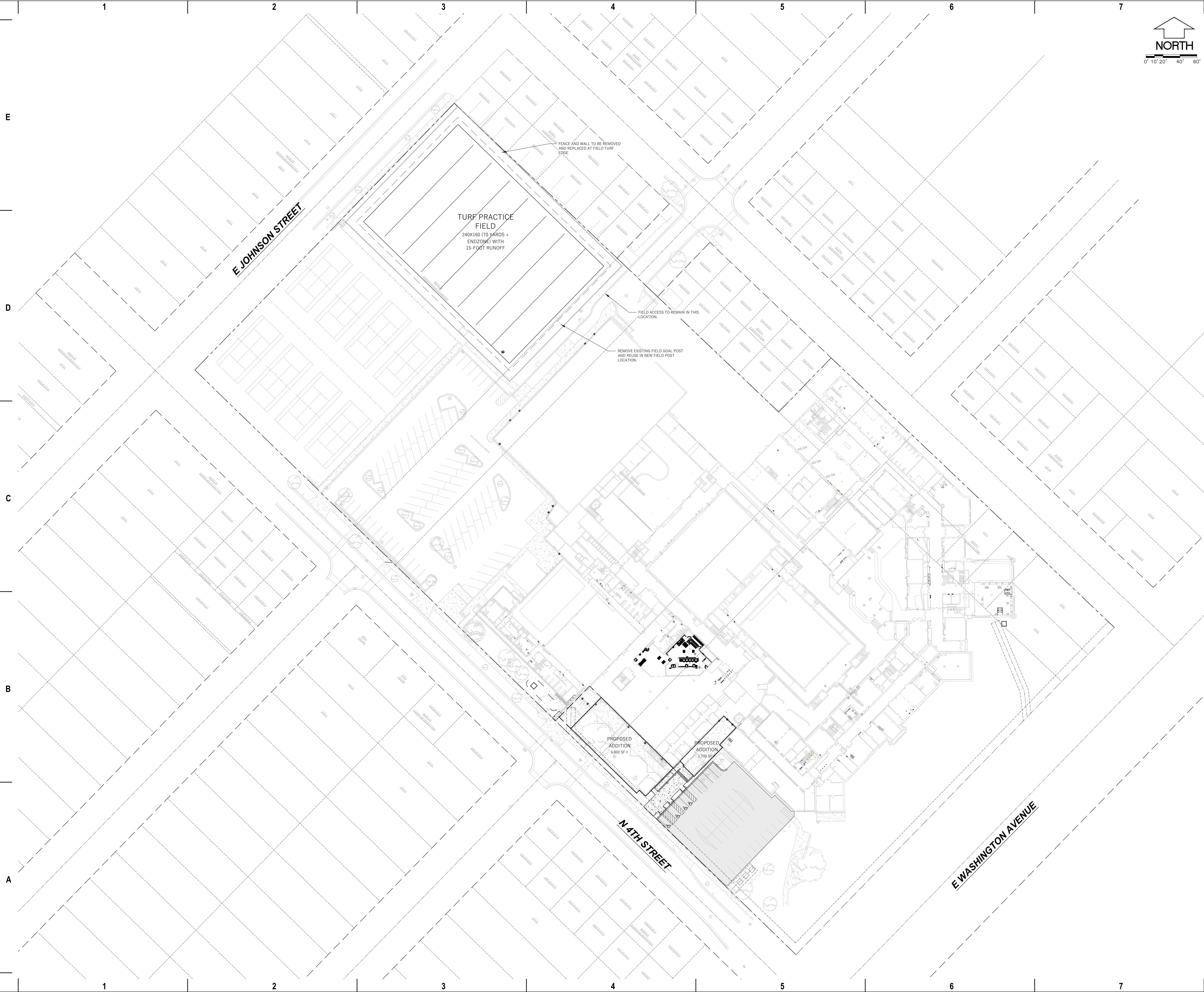
2222 E WASHINGTON AVE &  
MADISON, WI 53703-1991

PREPARED BY:  
312 EAST MAIN STREET  
MOUNT HOREB, WI 53572  
[www.wyserengineering.com](http://www.wyserengineering.com)

2: METROPOLITAN SCHOOL DISTRICT  
ROAD  
3705

WYSER  
ENGINEERING





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Madison, Wisconsin 53703  
608.442.2590

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

**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 MANAGER JM

PROJECT NUMBER 320534-01

SITE PLAN -  
OVERALL

**C-10**





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608.442.2590

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

PROJECT INFORMATION

**MMSD - EAST HIGH SCHOOL**

**D 2222 E. WASHINGTON AVE  
MADISON, WI 53704**

ISSUANCE AND REVISIONS

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

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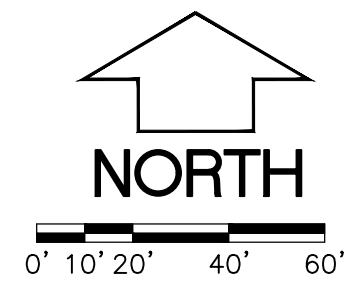
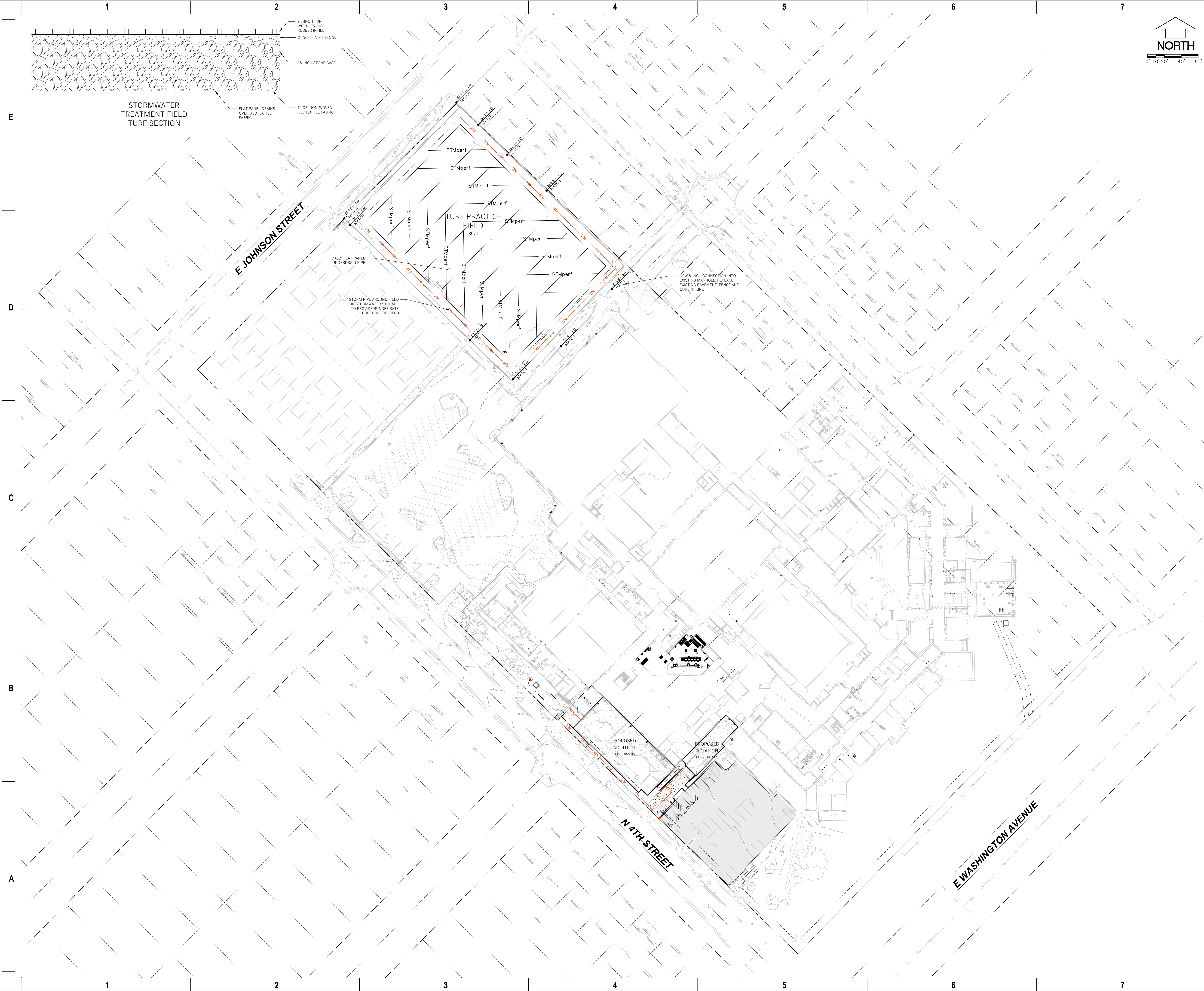
**A** PROJECT MANAGER JM

PROJECT NUMBER 320534-01

SITE PLAN -  
BUILDING ADDITIONS

**C-11**





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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

GRADING & EROSION  
CONTROL PLAN

**C-20**







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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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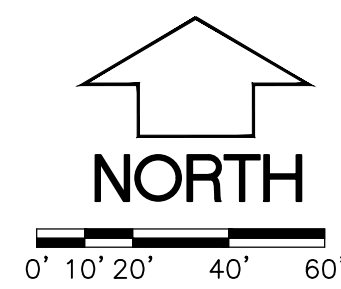
PROJECT MANAGER JM

PROJECT NUMBER 320534-01

**DETAIL GRADING &  
EROSION CONTROL  
PLAN**

**C-21**





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303.595.4500

PROJECT INFORMATION

MMSD - EAST HIGH SCHOOL

2222 E. WASHINGTON AVE  
MADISON, WI 53704

ISSUANCE AND REVISIONS

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KEY PLAN

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PROJECT MANAGER JM

PROJECT NUMBER 320534-01

UTILITY PLAN

**C-30**

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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

**PROGRESS DOCUMENTS  
NOT FOR CONSTRUCTION**

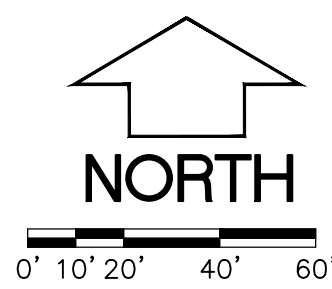
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PROJECT MANAGER JM

PROJECT NUMBER 320534-01

**UTILITY PLAN -  
BUILDING ADDITION  
DETAIL**





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608.442.2550

denver 1899 Wynkoop Street, Suite 300  
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303.595.4500

PROJECT INFORMATION

**MMSD - EAST HIGH SCHOOL**

**2222 E. WASHINGTON AVE  
MADISON, WI 53704**

ISSUANCE AND REVISIONS	
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KEY PLAN

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PROJECT MANAGER JM

PROJECT NUMBER 320534-01

**FIRE APPARATUS  
ACCESS EXHIBIT**

**F-10**

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**City of Madison Fire Department**  
314 W Dayton Street, Madison, WI 53703-2506  
Phone: 608-266-4420 • Fax: 608-267-1100 • Email: 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? If non-sprinklered, fire lanes extend to within 50-feet of all portions of the exterior wall? If sprinklered, fire lanes are within 250-feet of all portions of the exterior wall?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2. Is the fire lane constructed of concrete or asphalt, designed to support a minimum load of 85,000 lbs? a) Is the fire lane a minimum unobstructed width of at least 20-feet? b) Is the fire lane unobstructed with a vertical clearance of at least 13½-feet? c) Is the minimum inside turning radius of the fire lane at least 28-feet? d) Is the grade of the fire lane not more than a slope of 8%? e) Is the fire lane posted as fire lane? (Provide detail of signage.) f) Is a roll-able curb used as part of the fire lane? (Provide detail of curb.) g) Is part of a sidewalk used as part of the required fire lane? (Must support +85,000 lbs.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3. Is the fire lane obstructed by security gates or barricades? If yes: a) Is the gate a minimum of 20-feet clear opening? b) Is an approved means of emergency operations installed, key vault, padlock or key switch?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
4. Is the Fire lane dead-ended with a length greater than 150-feet? If yes, does the area for turning around fire apparatus comply with IFC D1032?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
5. Is any portion of the building to be used for high-stored storage in accordance with IFC Chapter 3206.6? If yes, see IFC 3206.6 for further requirements.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
6. Is any part of the building greater than 30-feet above the grade plane? 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? b) Is the fire lane between 15' and 30' from the building? c) Are there any overhead power or utility lines located across the aerial apparatus fire lane? d) Are there any tree canopies expected to grow across the aerial fire lane? (Based on mature canopy width of tree species) e) Does the aerial apparatus fire lane have a minimum unobstructed width of 26-feet? f) Is the space between the aerial fire lane and the building free of trees exceeding 20' in heights?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
7. Are all portions of the required fire lanes within 500-feet of at least (2) hydrants? Note: Distance shall be measured along the path of the lane by as it comes off the fire apparatus. a) Is the fire lane at least 26' wide for at least 20-feet on each side of the hydrants? b) Is there at least 40' between a hydrant and the building? 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? d) Are hydrants located in parking lot islands a minimum of 3½-feet from the hydrant to the curb? 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?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

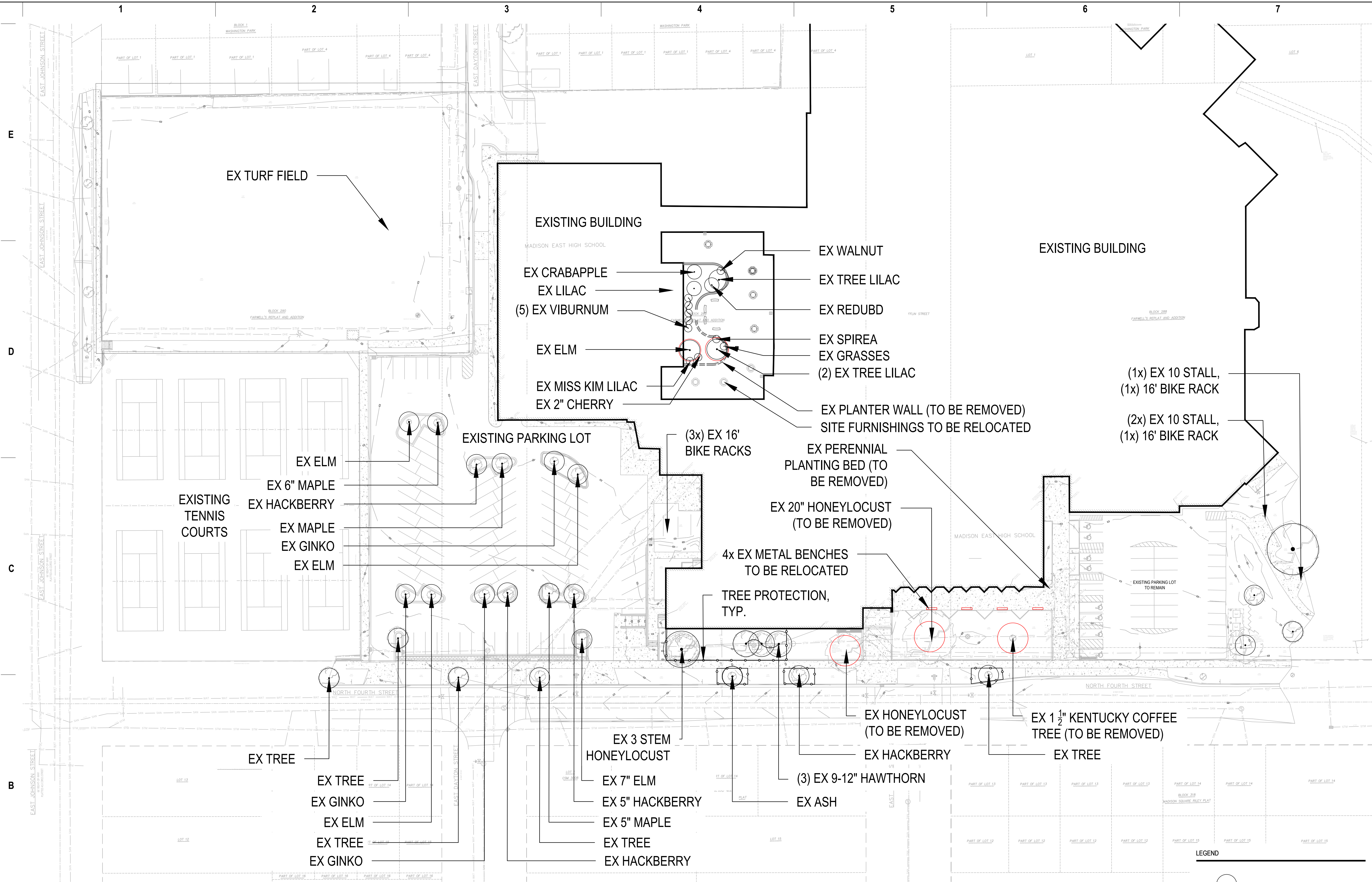
Note: Hydrants shall be installed and in-service prior to combustible construction on the project site.

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 1/12/2019





#### TREE PROTECTION & REMOVAL NOTES

- 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.
- 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).
- 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>
- 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.
- 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.

- 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.
- 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.
- 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.
- Forestry Specialist: Brad Hofmann (Districts 3, 7 and 8)
  - Brad Hofmann
  - 608.220.6796 (Cell)
  - 608.267.4908 (Office)
  - bhofmann@cityofmadison.com

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



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#### PROJECT INFORMATION

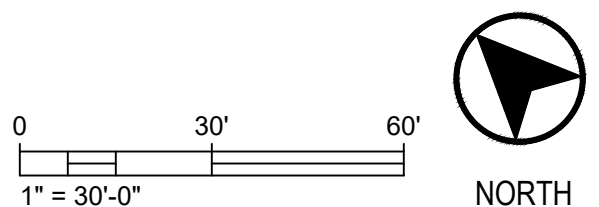
**MMSD - EAST HIGH SCHOOL**

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#### ISSUANCE AND REVISIONS

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#### KEY PLAN



#### SHEET INFORMATION

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PROJECT MANAGER JM

PROJECT NUMBER 320534-01

**LANDSCAPE PLAN -  
EXISTING CONDITIONS**

**L10**

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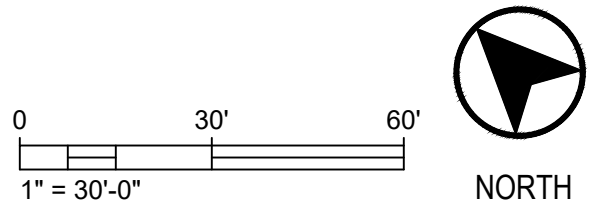
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PROJECT INFORMATION  
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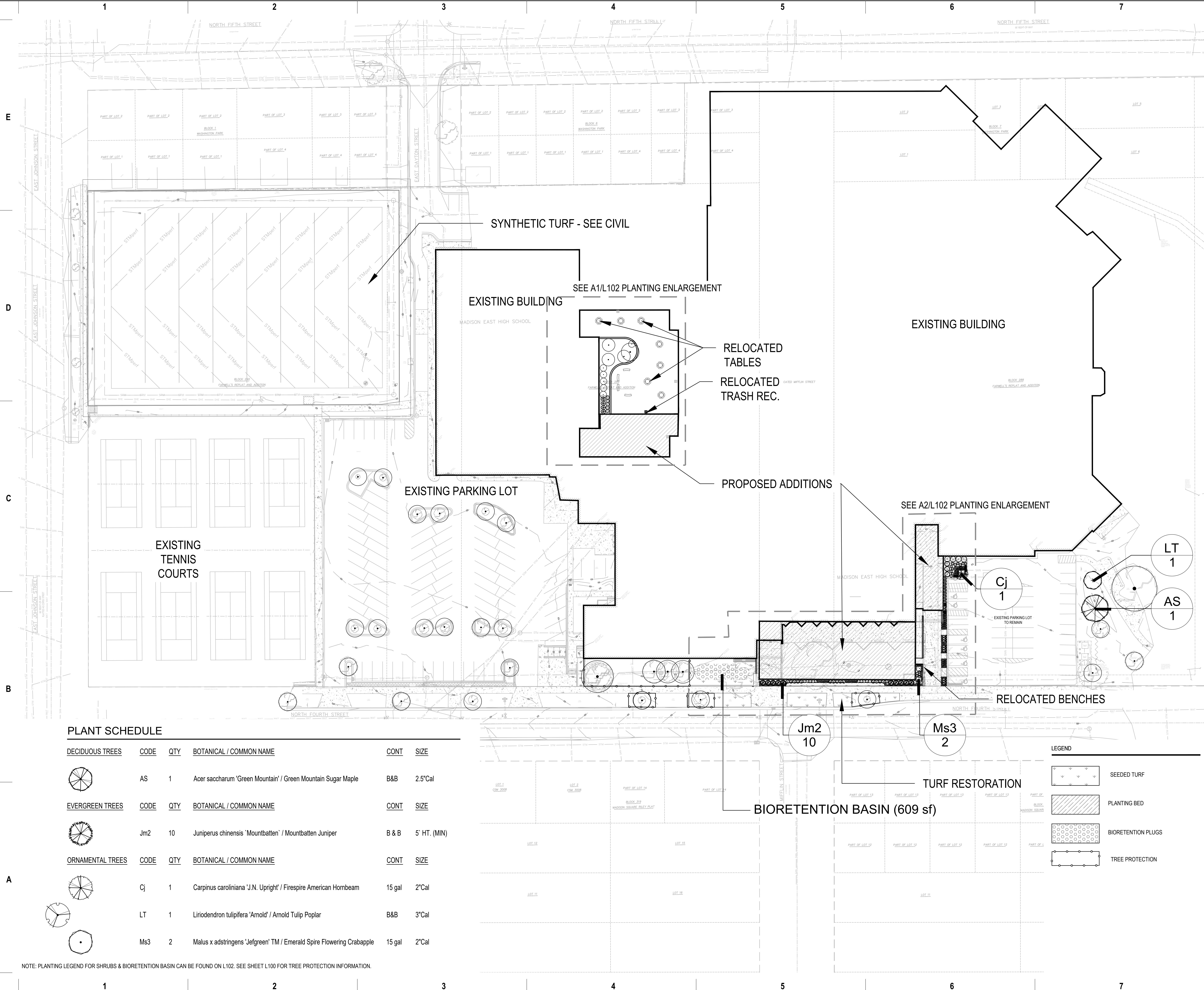
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PROJECT NUMBER 320534-01

LANDSCAPE PLAN  
**L11**  
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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.



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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

LEGEND

SEEDED TURF

PLANTING BED

BIORETENTION PLUGS

TREE PROTECTION

D

DECIDUOUS SHRUBS

	CODE	QTY	BOTANICAL / COMMON NAME	CONT
	Hb	4	Hydrangea paniculata 'ILVOBO' TM / Bobo Panicle 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	Amonia 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
	acn	609 sf	BIORETENTION BASIN		
	dpp	64	Allium cernuum / Nodding Onion	3" plug	10% @ 12" o.c.
	ivb	64	Dalea purpurea / Purple Prairie Clover	3" plug	10% @ 12" o.c.
	lsg	64	Iris versicolor / Blue Flag	3" plug	10% @ 12" o.c.
	mfb	64	Lobelia siphilitica / Great Lobelia	3" plug	10% @ 12" o.c.
	pvg	64	Monarda fistulosa / Bergamot	3" plug	10% @ 12" o.c.
	rss	64	Panicum virgatum / Switch Grass	3" plug	10% @ 12" o.c.
sng	64	Rudbeckia subtomentosa / Sweet Black-eyed Susan	3" plug	10% @ 12" o.c.	
shp	64	Sorghastrum nutans / Indian Grass	3" plug	10% @ 12" o.c.	
sna	64	Sporobolus heterolepis / Prairie Dropseed	3" plug	10% @ 12" o.c.	
			Symphotrichum novae-angliae / New England Aster	3" plug	10% @ 12" o.c.

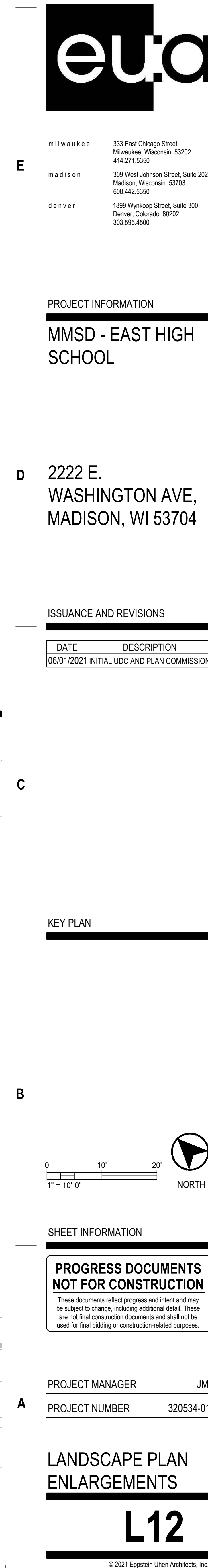
A1

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

A

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

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





E



1. JOHNSON STREET LOOKING EAST

D



2. N. 5TH STREET LOOKING NORTH



3. N. 5TH STREET LOOKING SOUTH

C



4. SCHOOL LOOKING ACROSS 5TH STREET

B



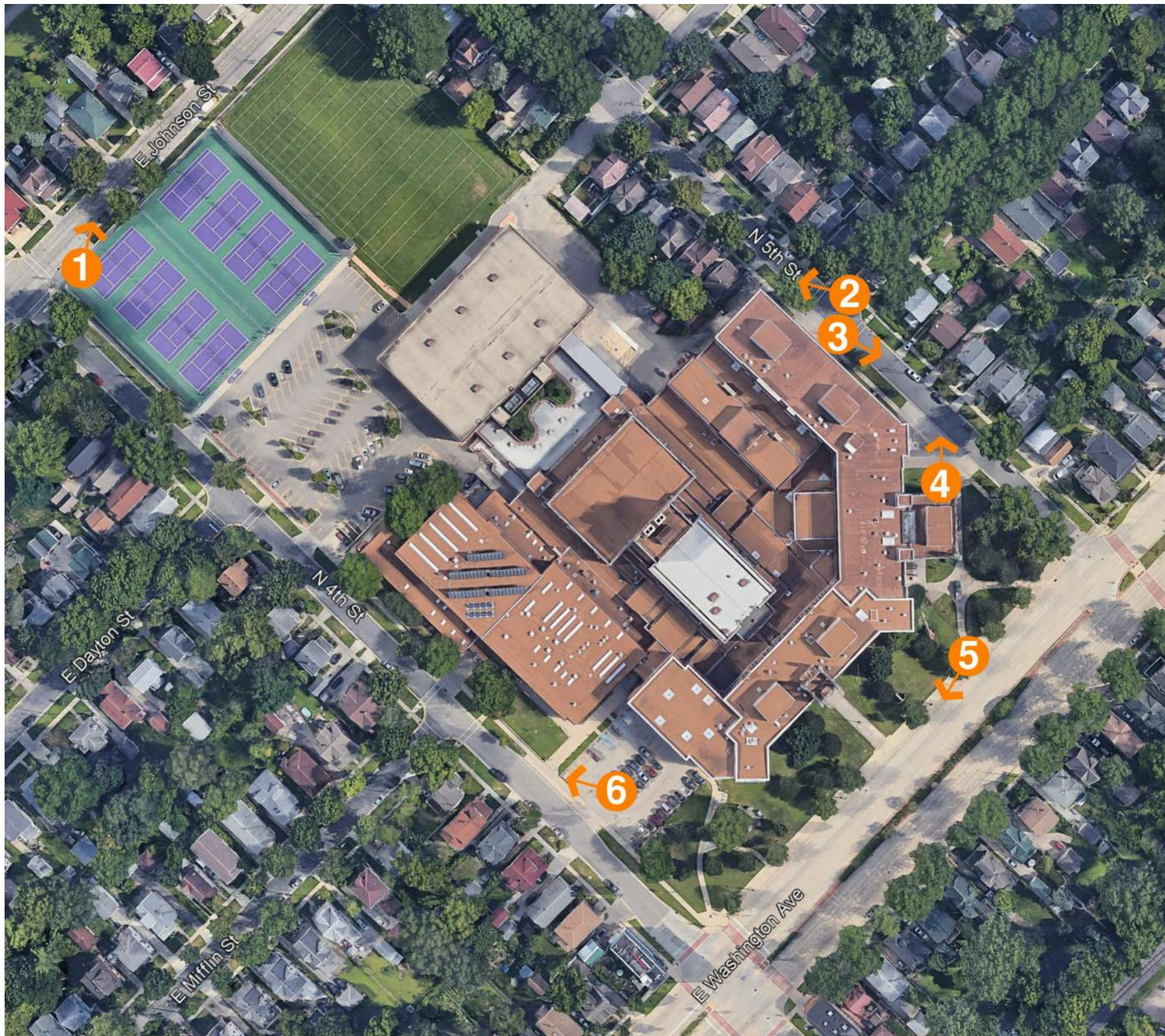
5. EAST WASHINGTON AVE LOOKING WEST



6. N. 4TH STREET LOOKING NORTH

A

LOCATION KEY FOR EXISTING  
PHOTOS



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PROJECT INFORMATION  
MMSD - EAST HS  
ADDITION AND  
RENOVATION

2222 E.  
WASHINGTON AVE  
MADISON, WI 53704

ISSUANCE AND REVISIONS	
DATE	DESCRIPTION
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KEY PLAN

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PROJECT MANAGEJACKIE MICHAELS  
PROJECT NUMBER 320534-01

EXISTING SITE  
IMAGES  
**A-00**  
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E



1. VEIW FROM E. WASHINGTON AVE



2. VIEW OF PROPOSED ENTRY ADDITION



3. VIEW OF ORIGINAL MAIN ENTRY

C



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

B



7. VIEW AT E. WASHINGTON AND 5TH STREET



7. VIEW AT FITNESS ADDITION

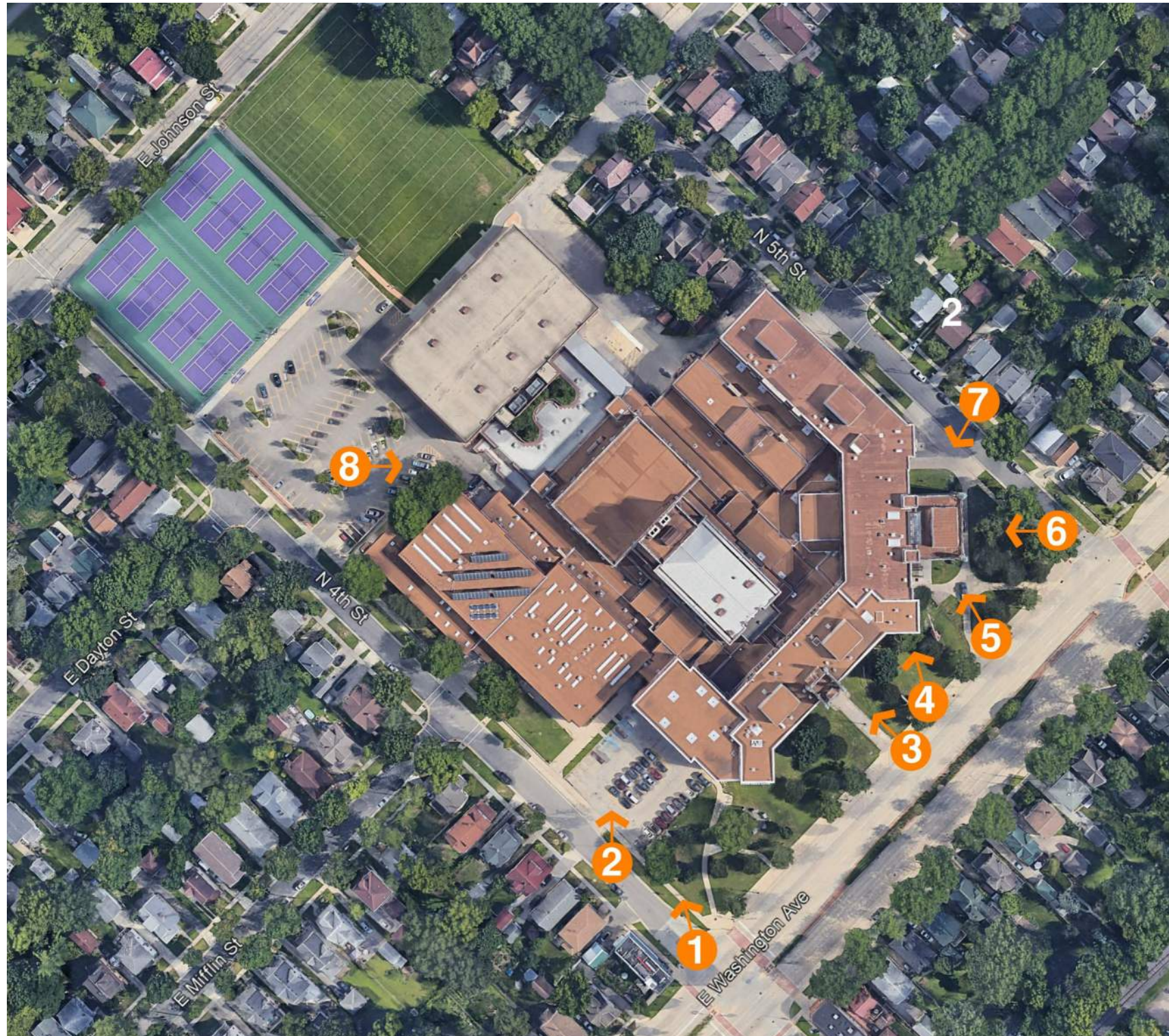


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PROJECT NUMBER 320534-01

ARCHITECTURAL  
DESIGN CONTEXT  
IMAGES

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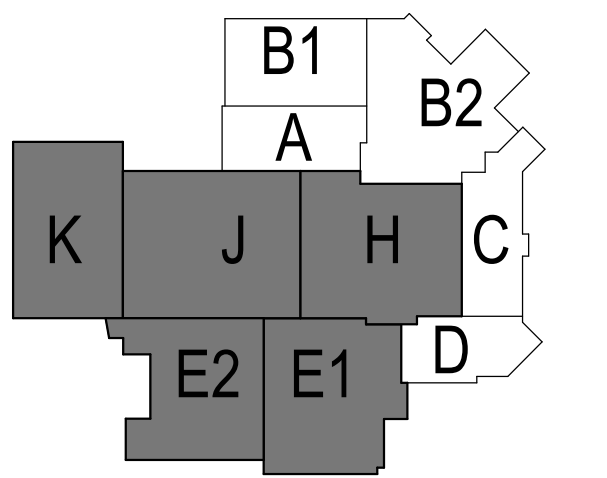
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### KEY PLAN



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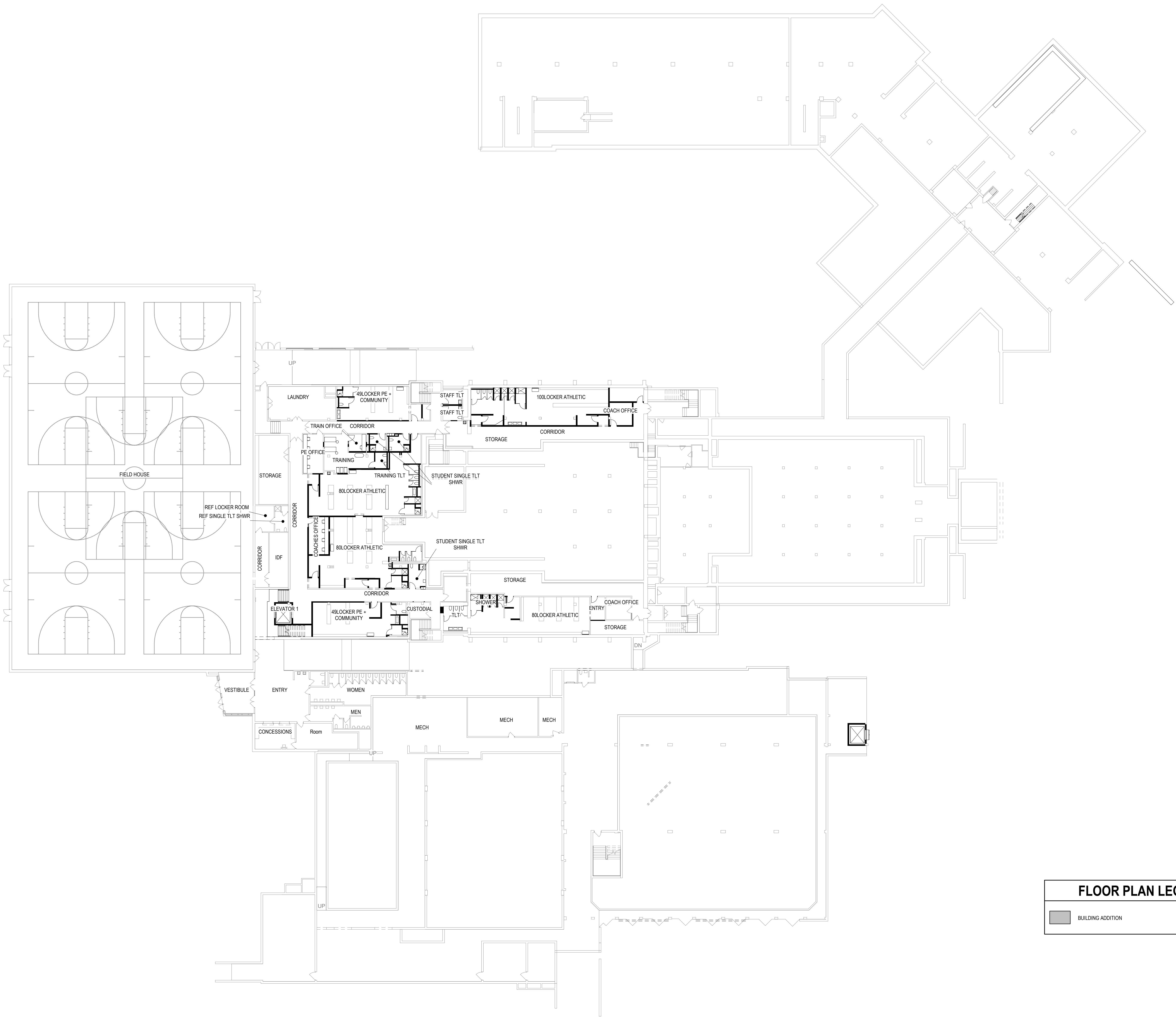
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## BASEMENT FLOOR PLAN

# A-02



**FLOOR PLAN LEGEND**

 BUILDING ADDITION





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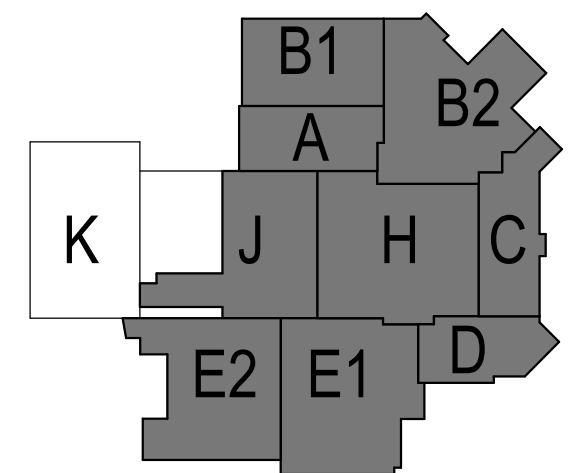
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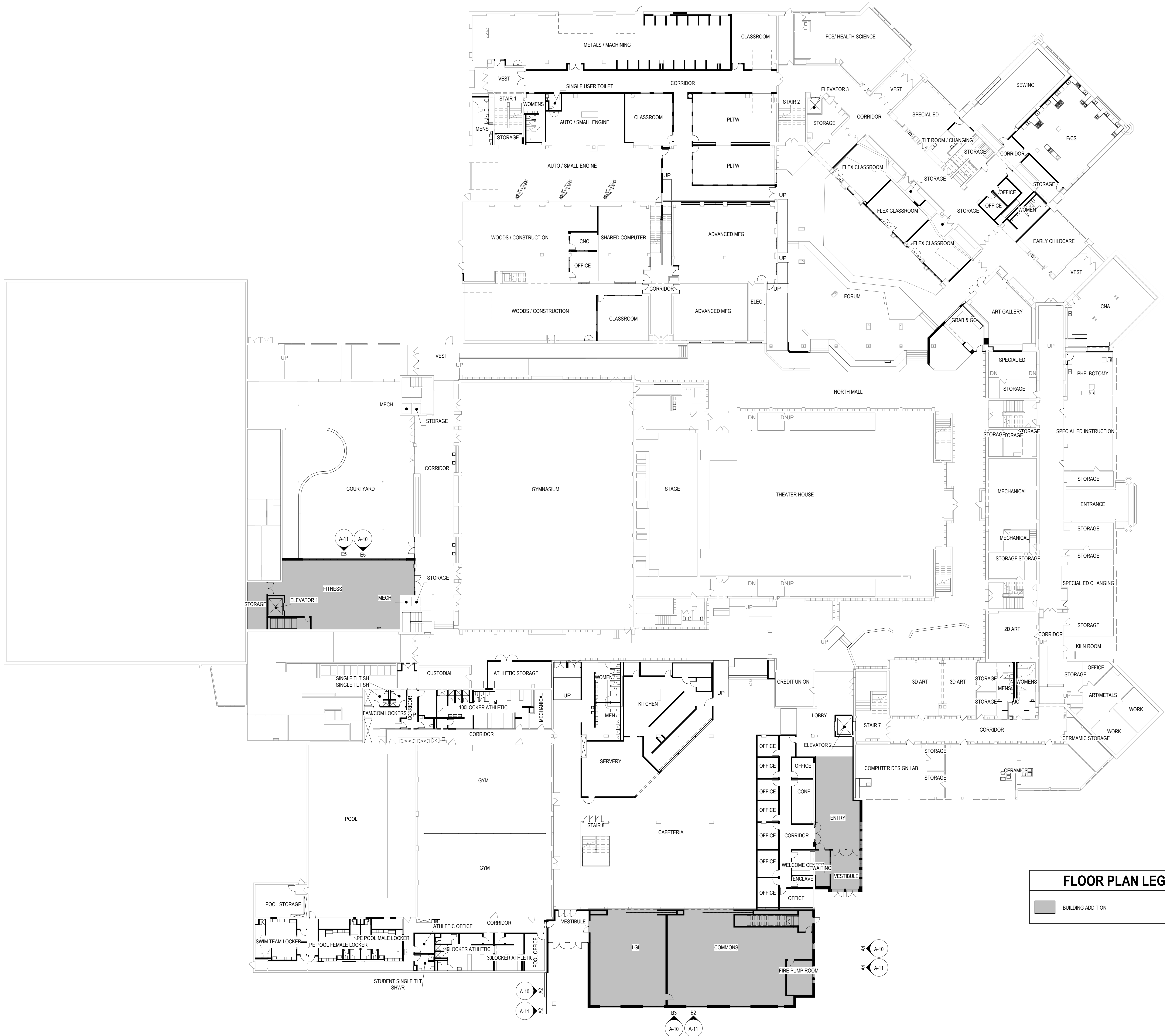
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PROJECT NUMBER 320534-01

**GROUND FLOOR  
PLAN**

**A-03**

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

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





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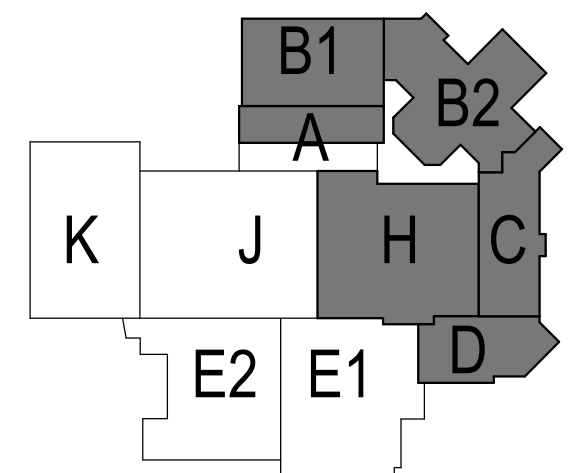
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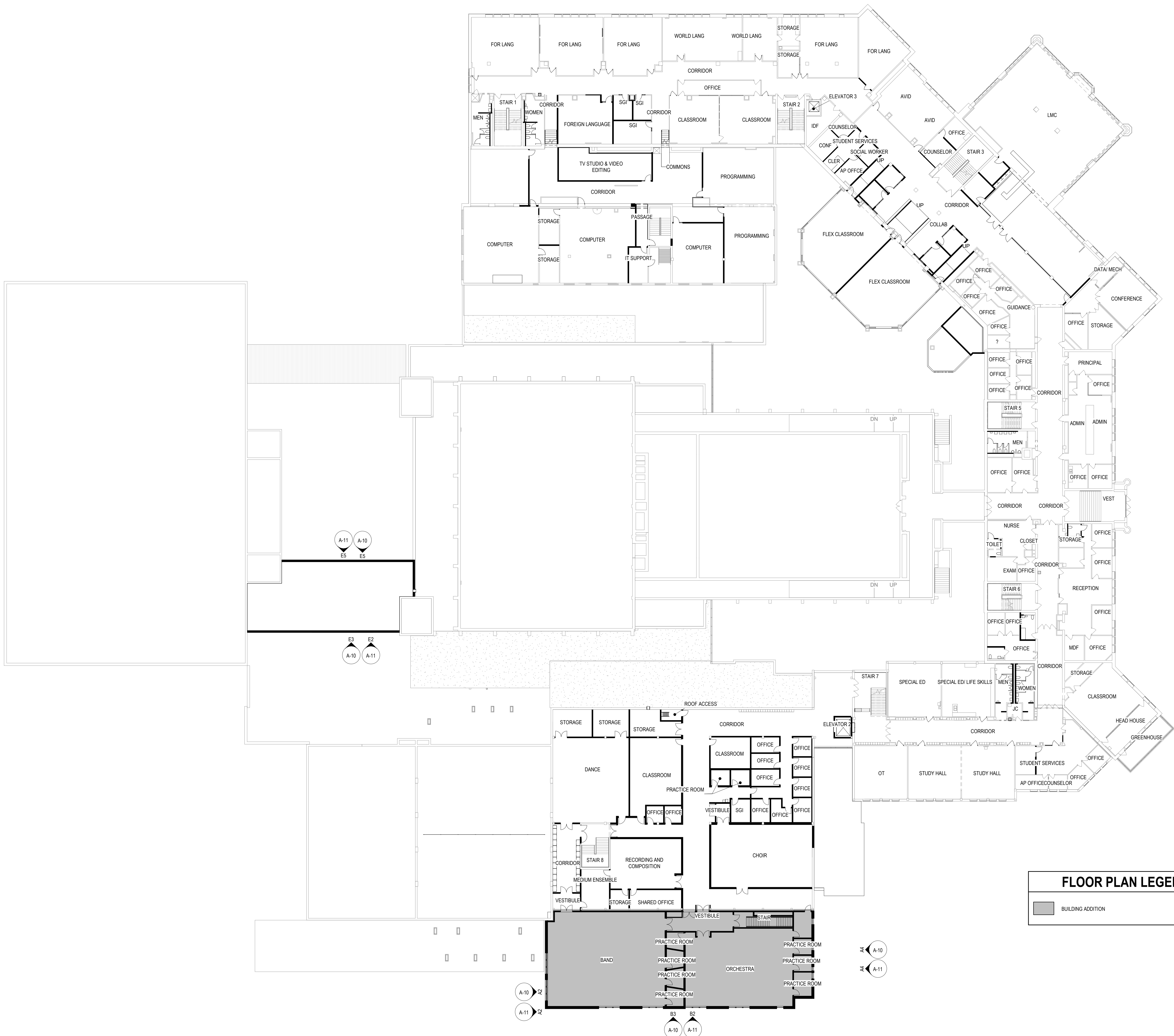
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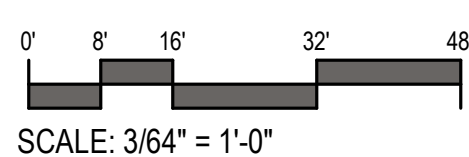
1ST FLOOR PLAN

A-04

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





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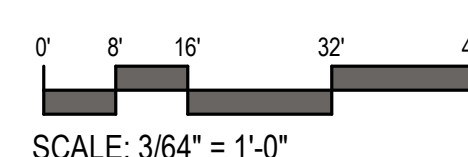
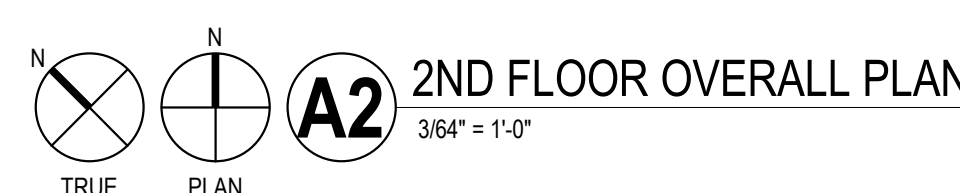
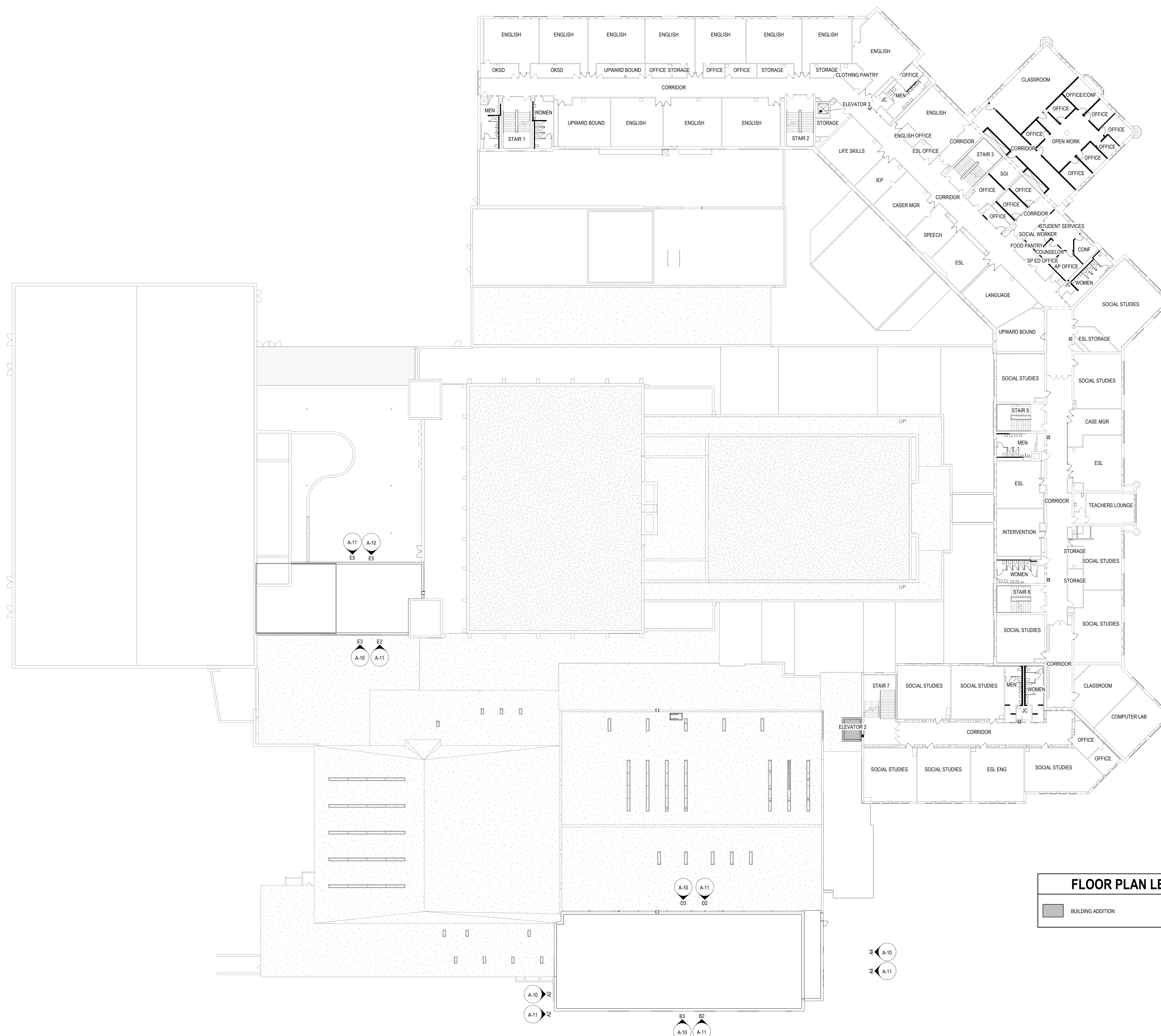
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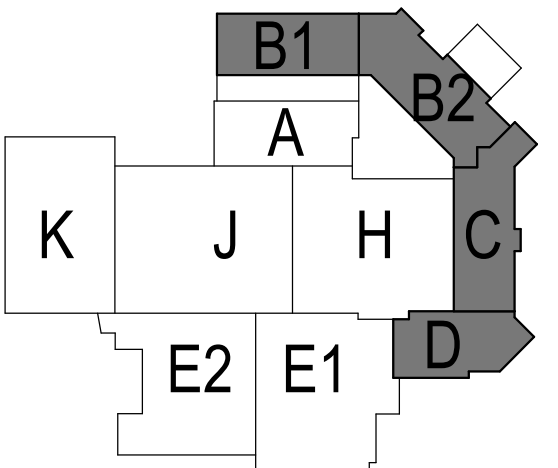
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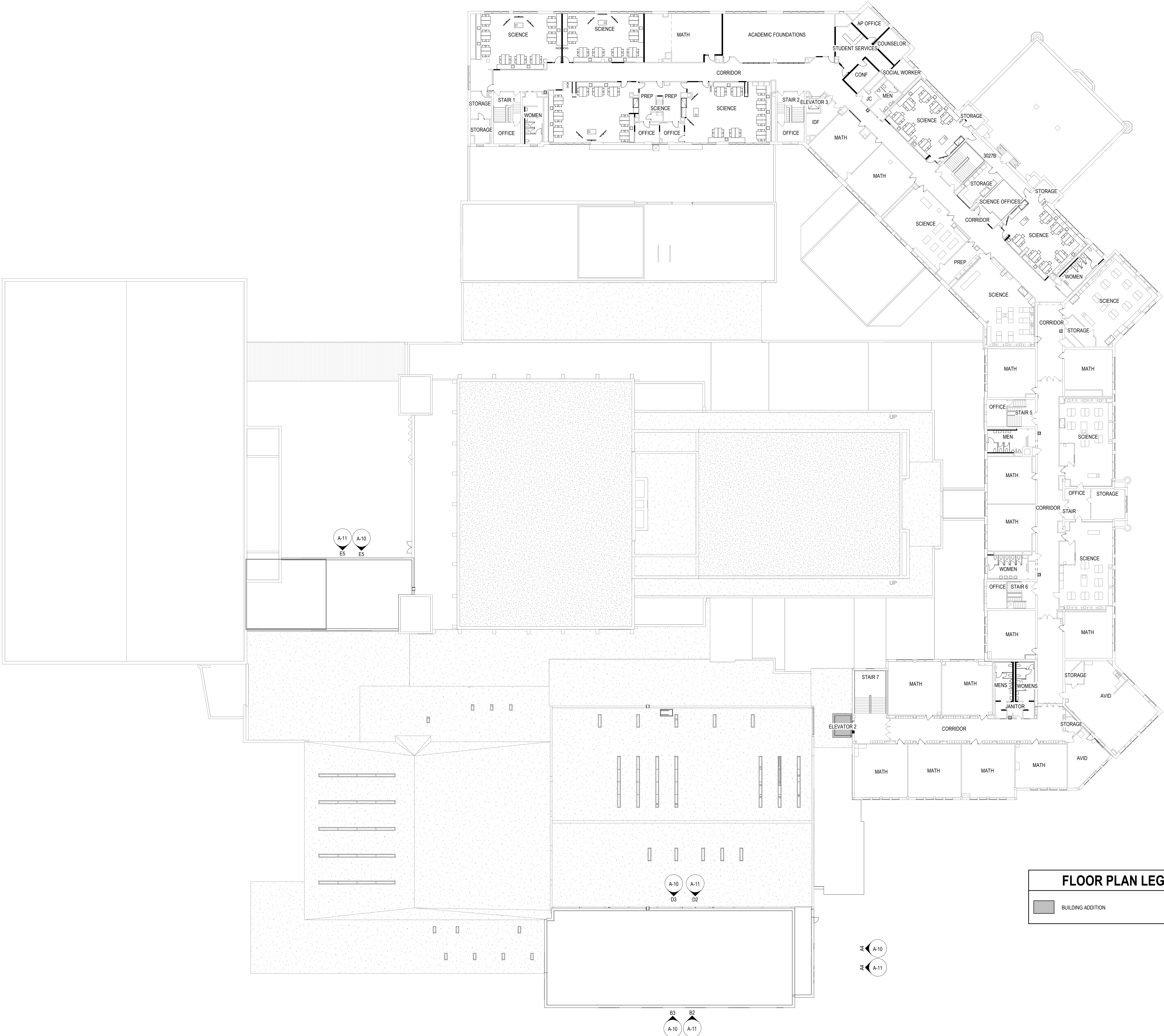
PROJECT MANAGEUJACKIE MICHAELS

PROJECT NUMBER 320534-01

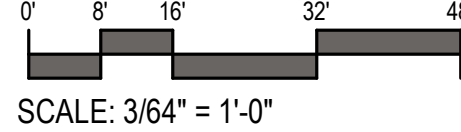
3RD FLOOR PLAN

A-06

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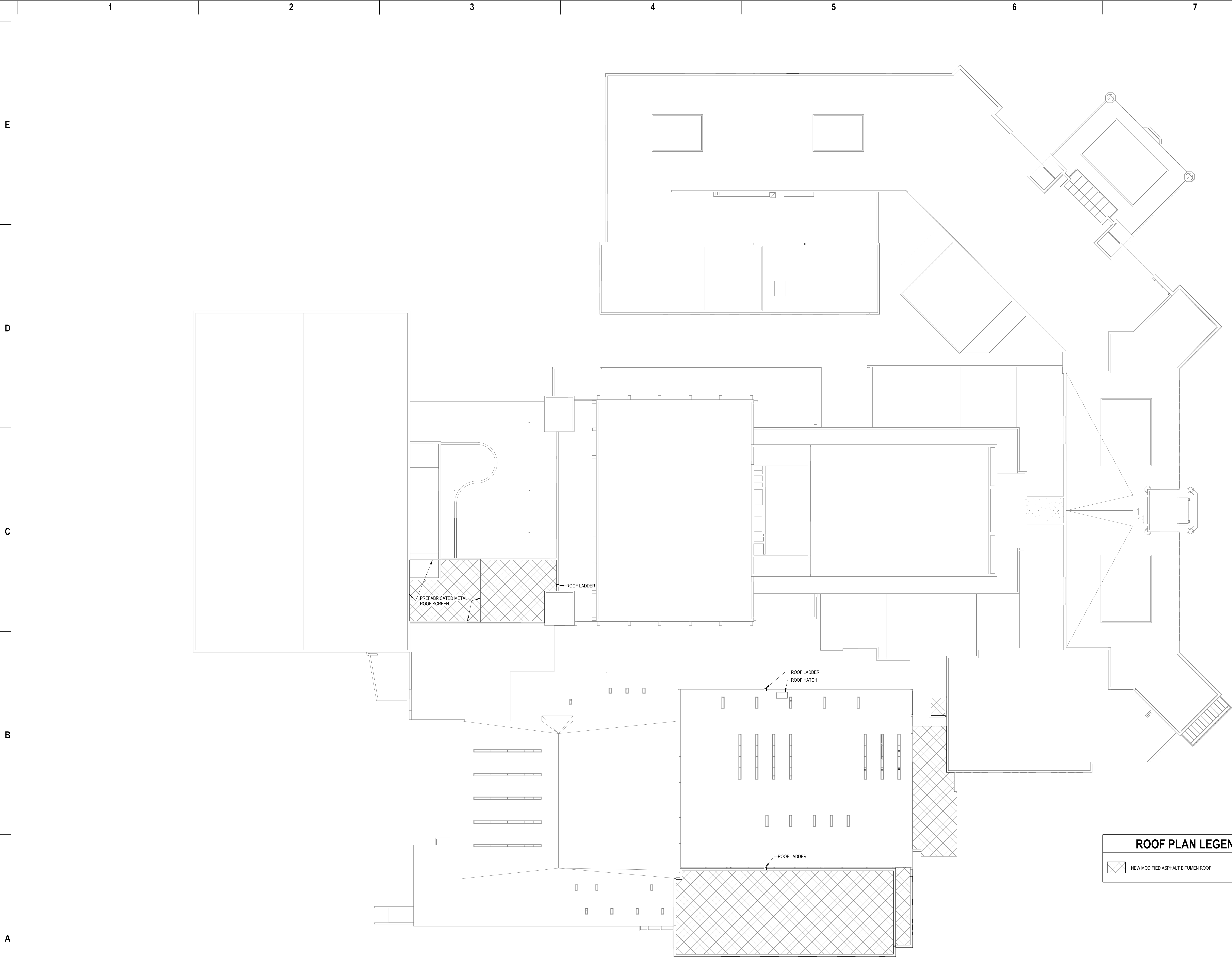
3RD FLOOR OVERALL PLAN  
SCALE: 3/64" = 1'-0"



**FLOOR PLAN LEGEND**

BUILDING ADDITION





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denver 1899 Wynkoop Street, Suite 300  
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303.595.4500

PROJECT INFORMATION

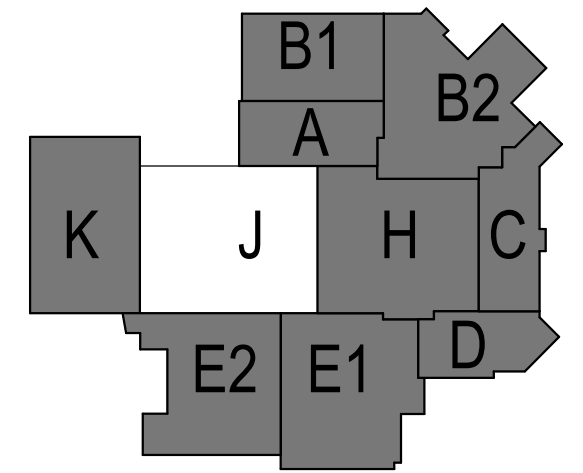
MMSD - EAST HS  
ADDITION AND  
RENOVATION

2222 E.  
WASHINGTON AVE  
MADISON, WI 53704

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
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KEY PLAN



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PROJECT MANAGEUJACKIE MICHAELS

PROJECT NUMBER 320534-01

ROOF PLAN

A-07

N

TRUE

N

PLAN

A2

ROOF PLAN - UDC

3/64" = 1'-0"

0'

8'

16'

32'

48'

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



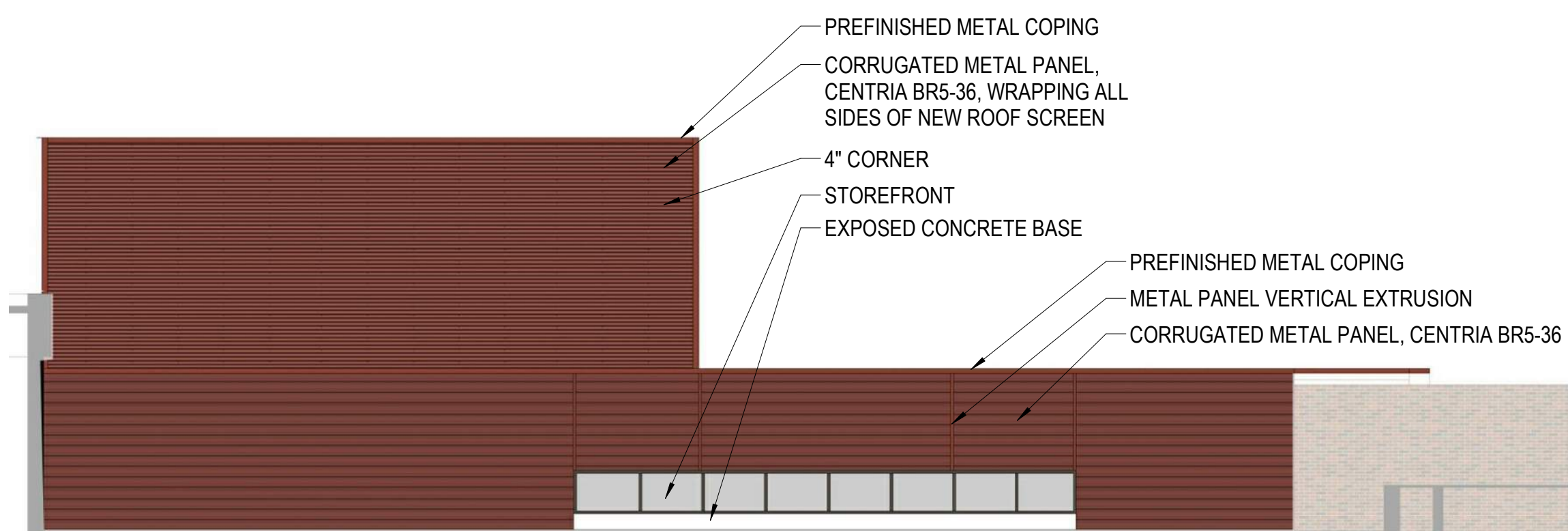
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D

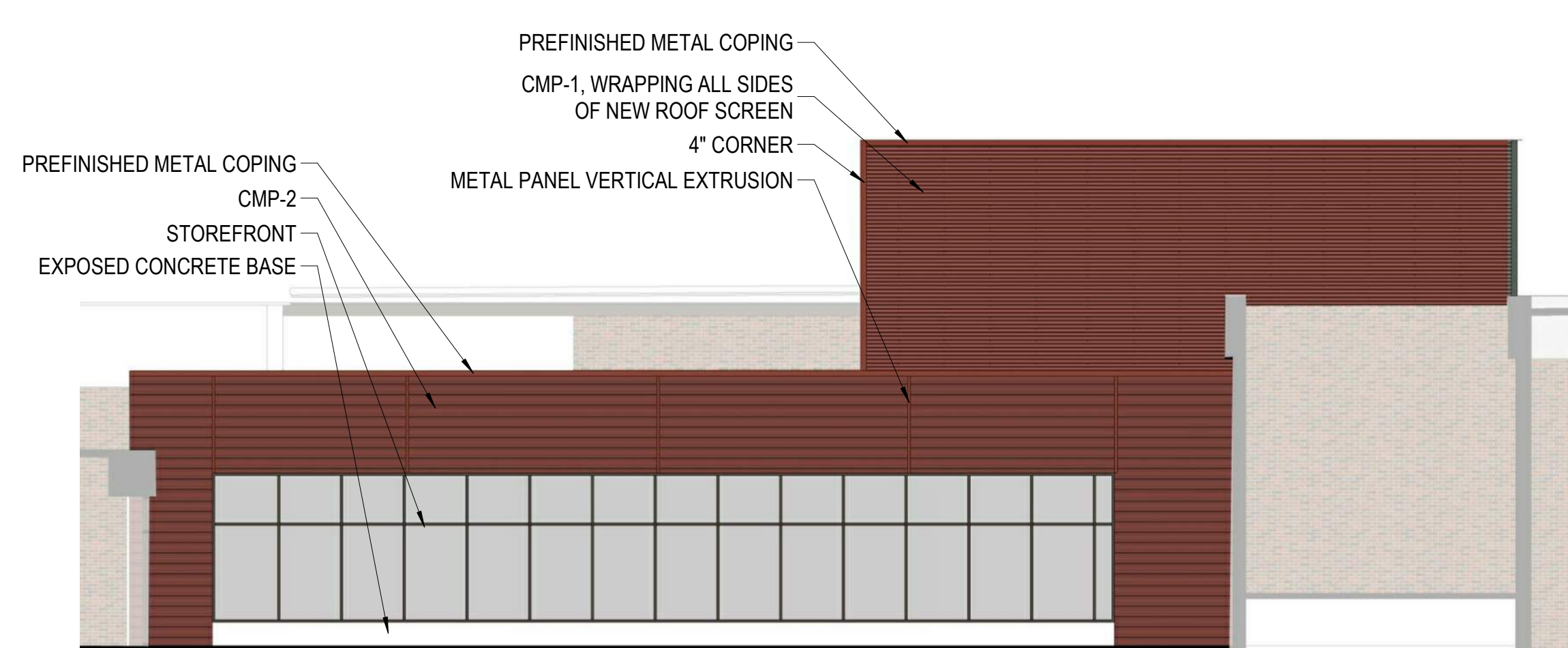
C

B

A



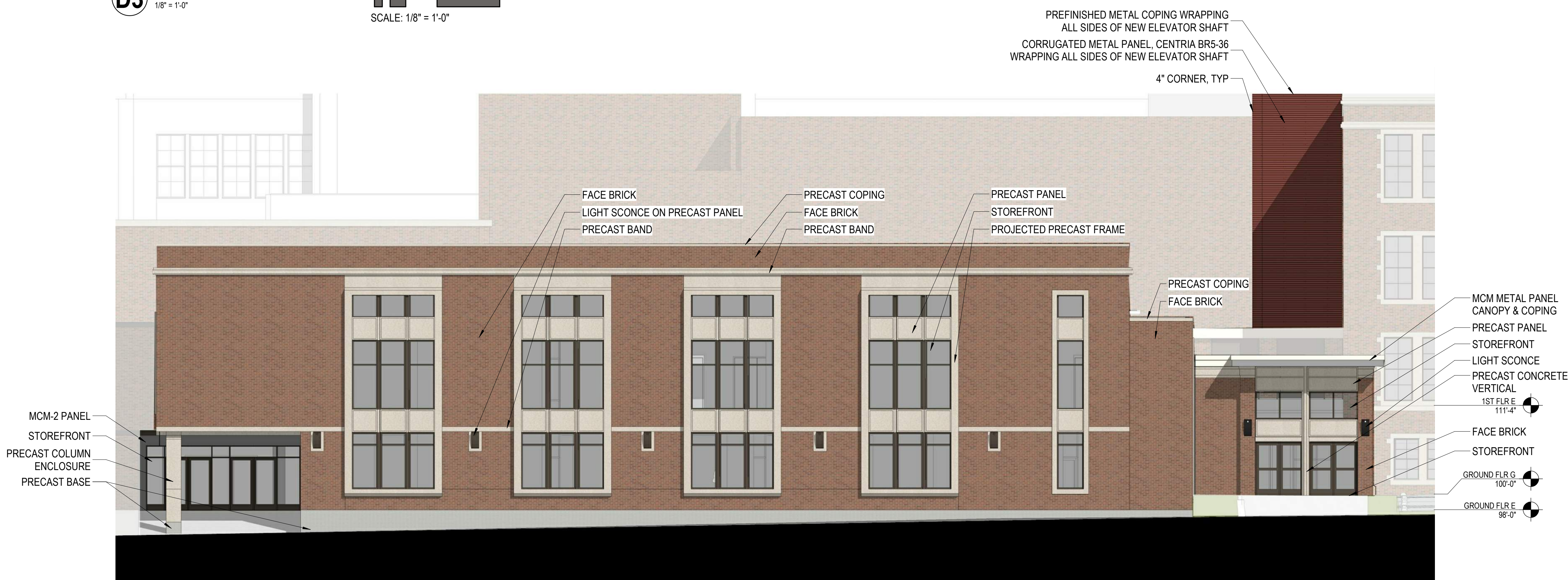
**E3** SOUTH ELEVATION - AREA J  
1/8" = 1'-0"  
SCALE: 1/8" = 1'-0"



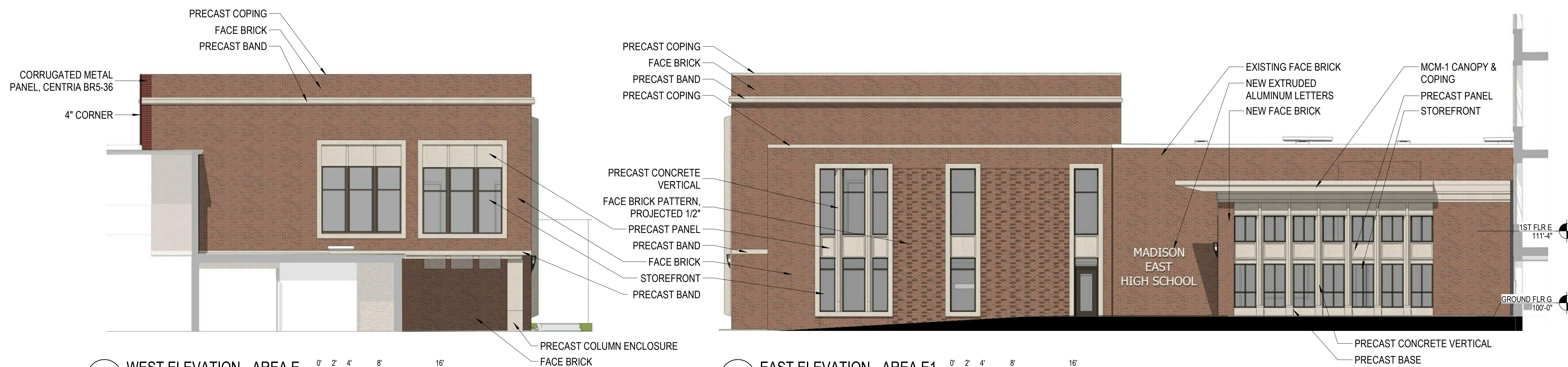
**E5** NORTH ELEVATION - AREA J  
1/8" = 1'-0"  
SCALE: 1/8" = 1'-0"



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



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



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

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



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PROJECT INFORMATION

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BUILDING  
ELEVATIONS

**A-10**

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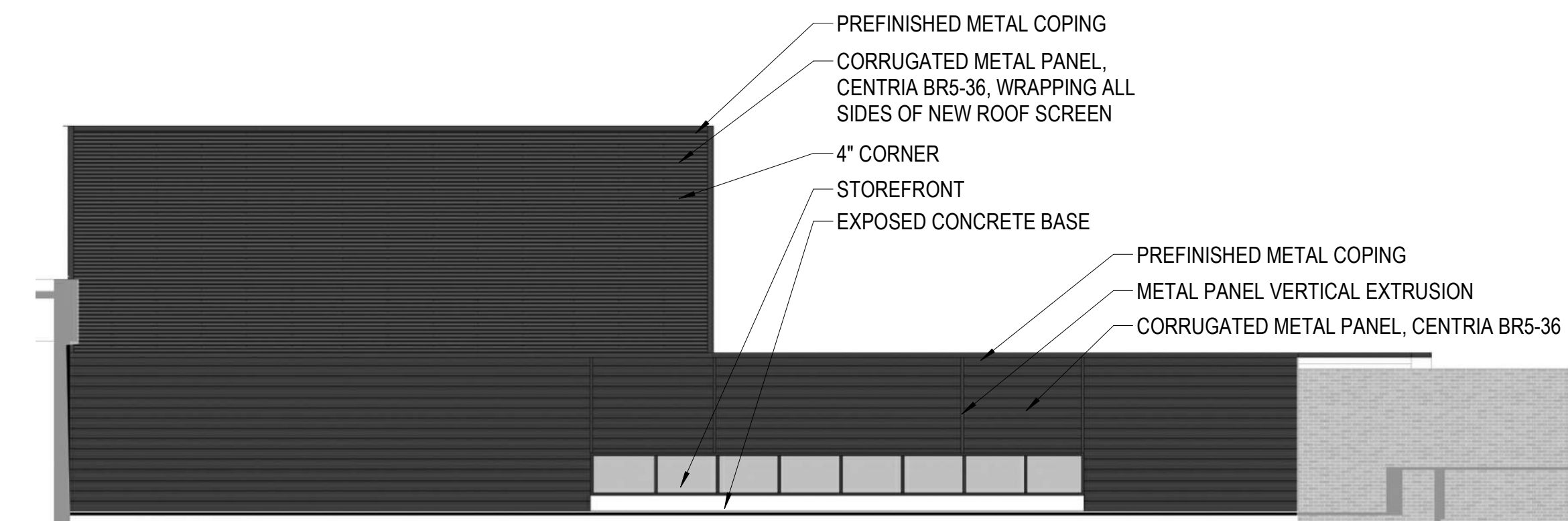
E

D

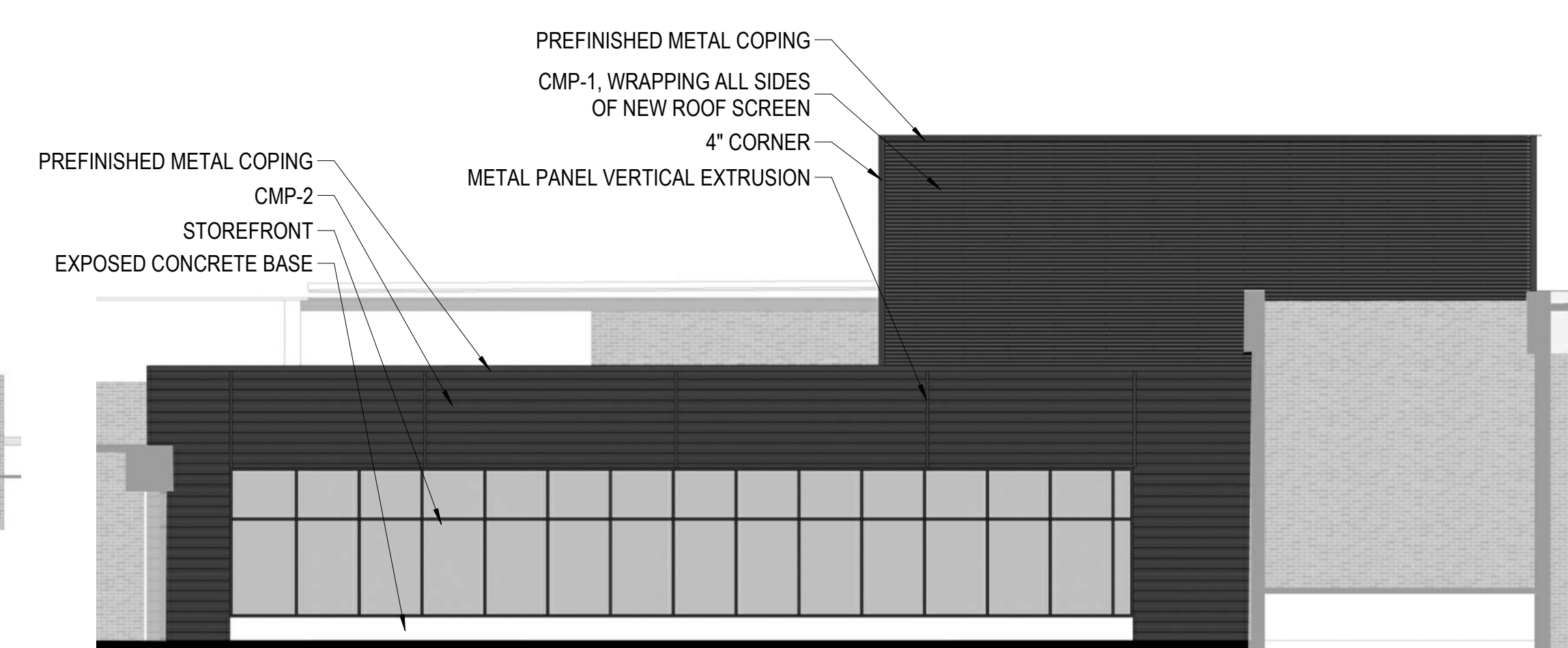
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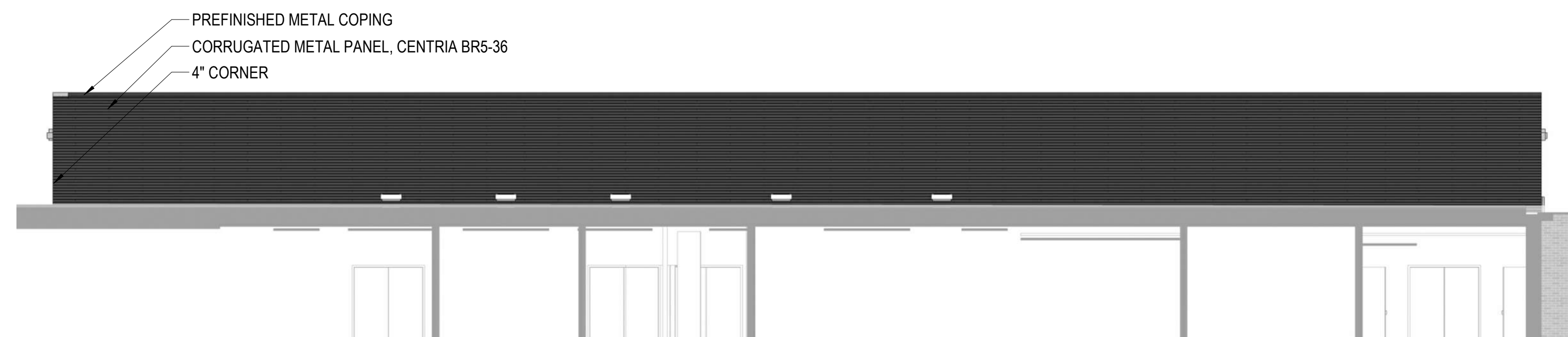
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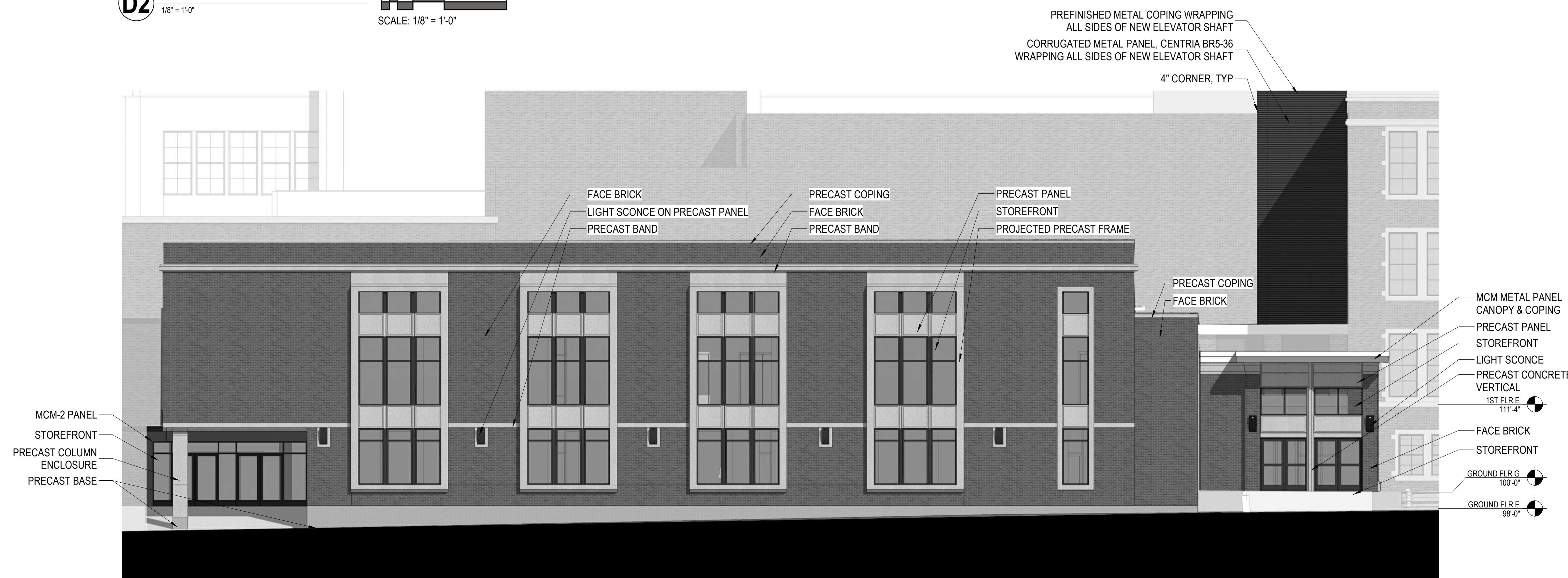
**E2** SOUTH ELEVATION - AREA J  
1/8" = 1'-0"  
SCALE: 1/8" = 1'-0"



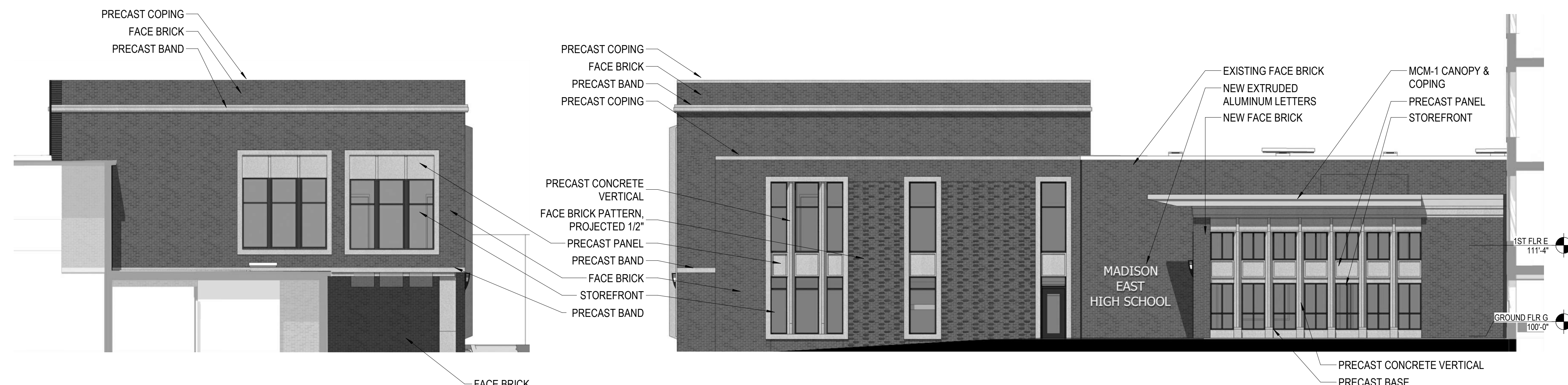
**E5** NORTH ELEVATION - AREA J  
1/8" = 1'-0"  
SCALE: 1/8" = 1'-0"



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



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



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

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



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PROJECT INFORMATION  
**MMSD - EAST HS  
ADDITION AND  
RENOVATION**

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PROJECT NUMBER 320534-01

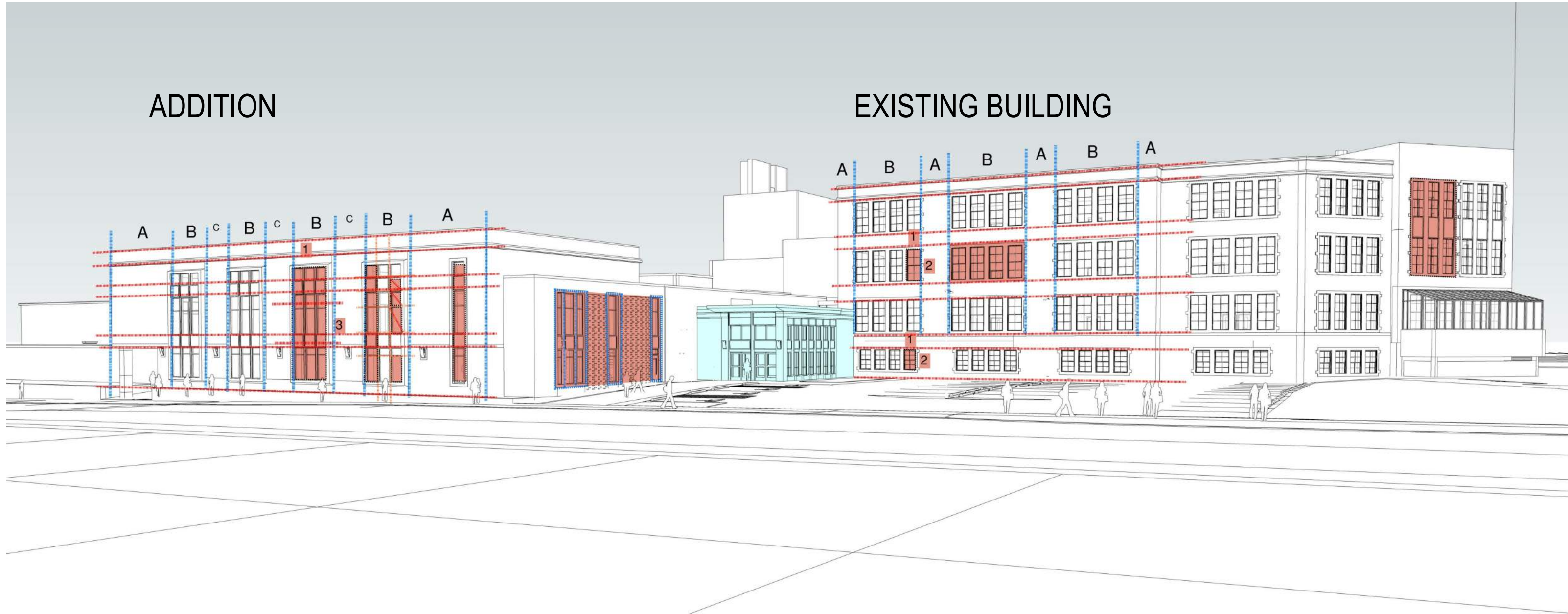
**BUILDING  
ELEVATIONS**

**A-11**

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E



PROPORTION STUDY EXISTING BUILDING APPLIED TO THE ADDITION

D



COLOR ELEVATION

C



VIEW FROM EAST WASHINGTON AVENUE



VIEW OF MAIN ENTRY

B



VIEW OF MAIN ENTRY



VIEW OF MAIN ENTRY

A



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PROJECT NUMBER 320534-01

PERSPECTIVES  
**A-12**  
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E



D VIEW FROM EAST MIFFLIN STREET

C



AERIAL VIEW

B



VIEW OF FITNESS ADDITION AND MECHANICAL SCREEN

A

D



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

C



MECHANICAL SCREEN AT FITNESS ENTRY

B



VIEW OF FITNESS ADDITION AND MECHANICAL SCREEN

A



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PROJECT INFORMATION  
MMSD - EAST HS  
ADDITION AND  
RENOVATION

D 2222 E.  
WASHINGTON AVE  
MADISON, WI 53704

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
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C

KEY PLAN

B

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PROJECT MANAGEJACKIE MICHAELS  
PROJECT NUMBER 320534-01

PERSPECTIVES  
**A-13**







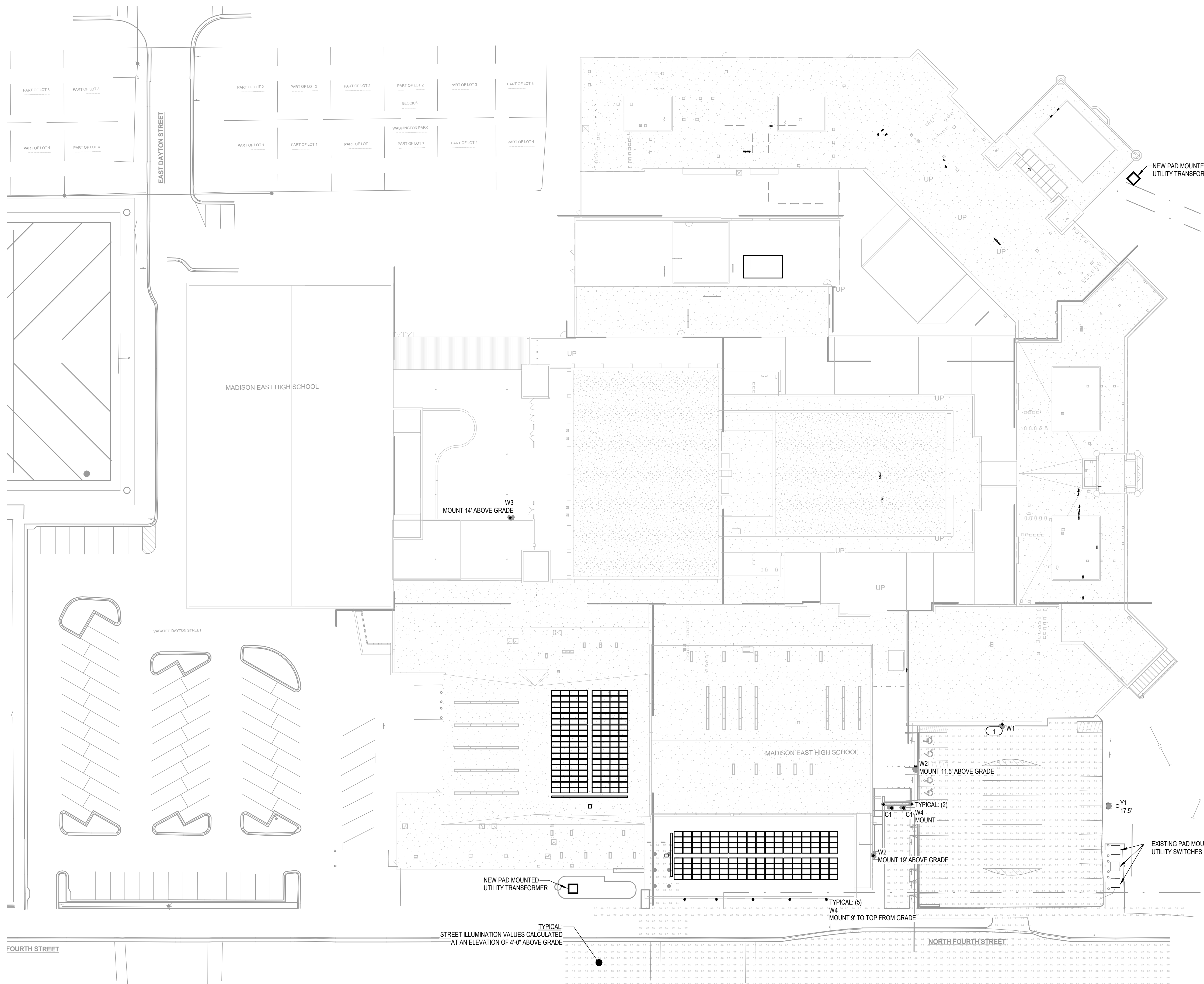
E

D

C

B

A



# 1 ELECTRICAL SITE PLAN

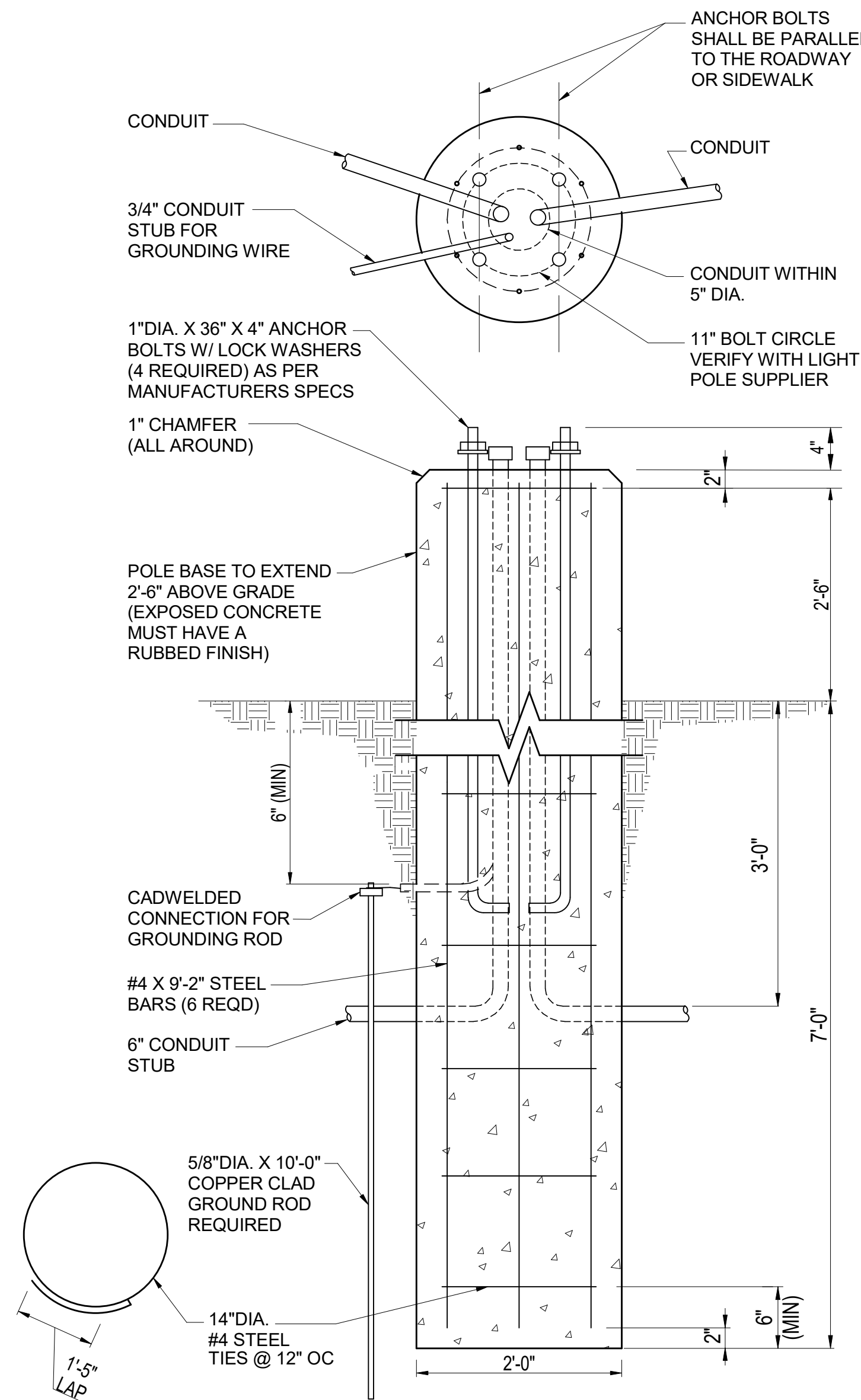
1/32" = 1'-0"



KEYED NOTES	
	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	DESCRIPTION	LAMP	LUMENS	WATTS	VOLT	CCT	MANUFACTURER
C1	6" RECESSED DOWNLIGHT, 4000K, 1000 LUMENS, WIDE DISTRIBUTING SEMI SPECULAR FINISH, WET LOCATION LISTED.	LED	1000	11 W	MVOLT	4000 K	LITHONIA
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
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
W3	EXTERIOR LED WALL MOUNTED LIGHT FIXTURE, 10 LEDS, 530 mA DRIVE CURRENT, TYPE TFTM DISTRIBUTION, BRONZE FINISH.	LED	1515	13 W	MVOLT	4000 K	LITHONIA
W4	EXTERIOR WALL MOUNT SCONCE, 0-10V DIMMING TO 1%, WET LOCATION LISTED, BRONZE FINISH.	LED	1200	28 W	MVOLT	4000 K	CYPRESS
Y1	EXTERIOR LED POLE MOUNTED LIGHT FIXTURE, P3 FORWARD OPTICS, TYPE TFTM DISTRIBUTION, BRONZE FINISH.	LED	12575	102 W	MVOLT	4000 K	LITHONIA



## 2 EXTENDED POLE BASE DETAIL

NOT TO SCALE



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### PROJECT INFORMATION

## EAST HIGH SCHOOL RENOVATION & ADDITION

2222 E. Washington  
Ave, Madison, WI  
53704

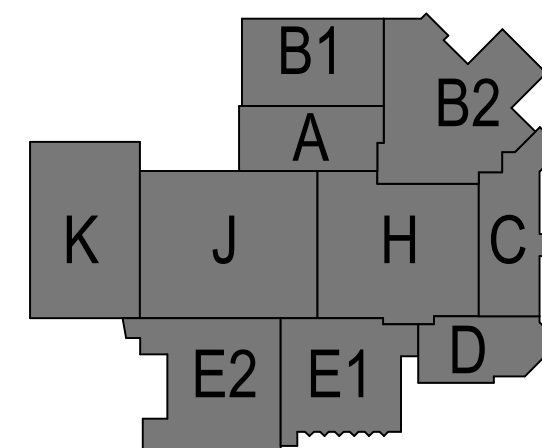


EXPECT A DIFFERENCE  
1111 Downing Way, Suite 202 | Madison, WI 53717  
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### SHEET INFORMATION

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PROJECT MANAGER PCC

PROJECT NUMBER 320534-01

## ELECTRICAL SITE PLAN

# E-01





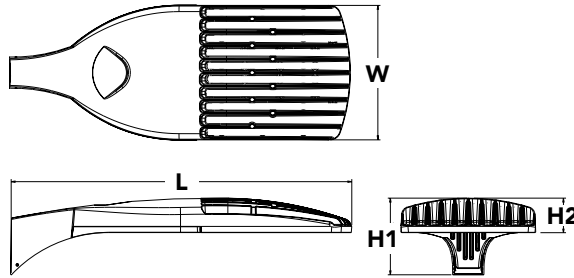
# D-Series Size 1 LED Area Luminaire



d#series

## Specifications

<b>EPA:</b>	1.01 ft <sup>2</sup> (0.09 m <sup>2</sup> )
<b>Length:</b>	33" (83.8 cm)
<b>Width:</b>	13" (33.0 cm)
<b>Height H1:</b>	7-1/2" (19.0 cm)
<b>Height H2:</b>	3-1/2"
<b>Weight (max):</b>	27 lbs (12.2 kg)



Catalog  
Number

Notes

Type

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

## 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	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX1 LED	<b>Forward optics</b> P1 P4 <sup>1</sup> P7 <sup>1</sup> P2 P5 <sup>1</sup> P8 P3 P6 <sup>1</sup> P9 <sup>1</sup> <b>Rotated optics</b> P10 <sup>2</sup> P12 <sup>2</sup> P11 <sup>2</sup> P13 <sup>1,2</sup>	30K 3000 K 40K 4000 K 50K 5000 K	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 <sup>3</sup> T5S Type V short <sup>3</sup> T5M Type V medium <sup>3</sup> T5W Type V wide <sup>3</sup> BLC Backlight control <sup>4</sup> LCCO Left corner cutoff <sup>4</sup> RCCO Right corner cutoff <sup>4</sup>	MVOLT <sup>5</sup> XVOLT (277V-480V) <sup>6,7,8</sup> 120 <sup>9</sup> 208 <sup>9</sup> 240 <sup>9</sup> 277 <sup>9</sup> 347 <sup>9</sup> 480 <sup>9</sup>	<b>Shipped included</b> SPA Square pole mounting RPA Round pole mounting <sup>10</sup> WBA Wall bracket <sup>3</sup> SPUMBA Square pole universal mounting adaptor <sup>11</sup> RPUMBA Round pole universal mounting adaptor <sup>9</sup> <b>Shipped separately</b> KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) <sup>12</sup>

Control options	Other options	Finish (required)
<b>Shipped installed</b> NLTAIR2 nLight AIR generation 2 enabled <sup>13</sup> PIRHN Network, high/low motion/ambient sensor <sup>14</sup> PER NEMA twist-lock receptacle only (controls ordered separate) <sup>15</sup> PER5 Five-pin receptacle only (controls ordered separate) <sup>15,16</sup> PER7 Seven-pin receptacle only (controls ordered separate) <sup>15,16</sup> DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) <sup>17</sup> DS Dual switching <sup>18,19,20</sup>	PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc <sup>20,21</sup> PIRHN High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc <sup>20,21</sup> PIR1FC3V High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc <sup>20,21</sup> PIRHN1FC3V Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc <sup>20,21</sup> FAO Field adjustable output <sup>20,21</sup>	<b>Shipped installed</b> HS House-side shield <sup>23</sup> SF Single fuse (120, 277, 347V) <sup>9</sup> DF Double fuse (208, 240, 480V) <sup>9</sup> L90 Left rotated optics <sup>2</sup> R90 Right rotated optics <sup>2</sup> HA 50°C ambient operations <sup>1</sup> BAA Buy America(n) Act Compliant <b>Shipped separately</b> BS Bird spikes <sup>24</sup> EGS External glare shield
		DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white



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DSX1-LED  
Rev. 05/11/21  
Page 1 of 8



## Ordering Information

### Accessories

Ordered and shipped separately.

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

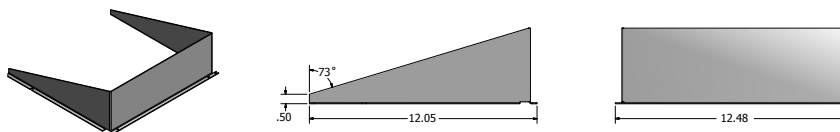
For more control options, visit [DTL](#) and [ROAM](#) online.

### NOTES

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

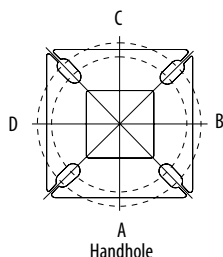
## Options

### EGS - External Glare Shield



## Drilling

### HANDHOLE ORIENTATION



### 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 Configuration	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"



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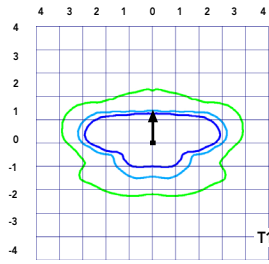
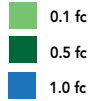


# Photometric Diagrams

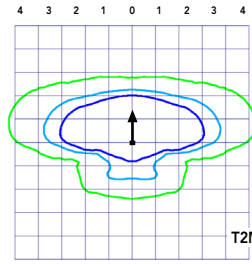
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 1 homepage](#).

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

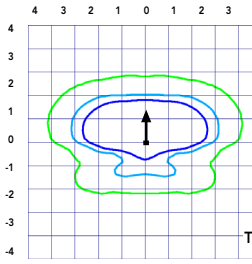
## LEGEND



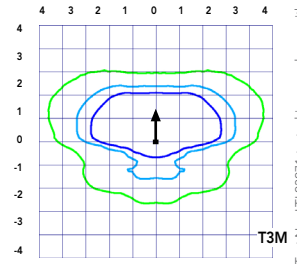
Test No. LTL23211 tested in accordance with IESNA LM-79-08.



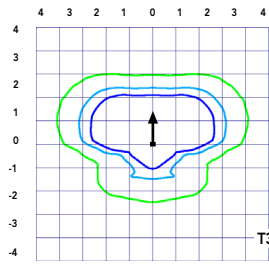
Test No. LTL23164B tested in accordance with IESNA LM-79-08.



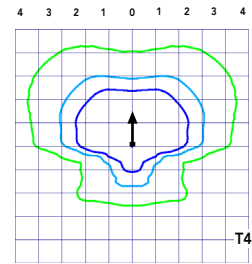
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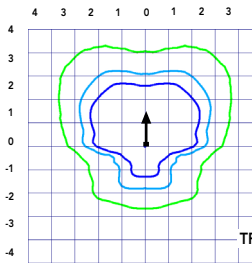
Test No. LTL23271 tested in accordance with IESNA LM-79-08.



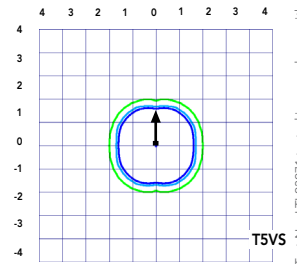
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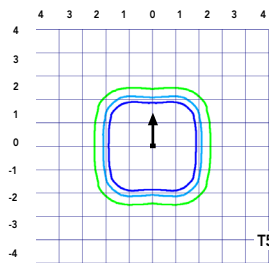
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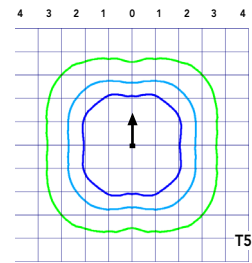
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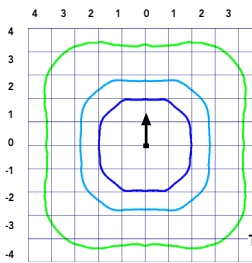
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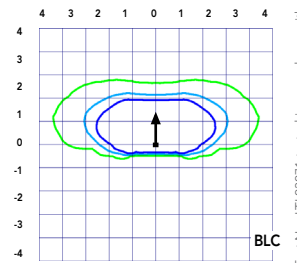
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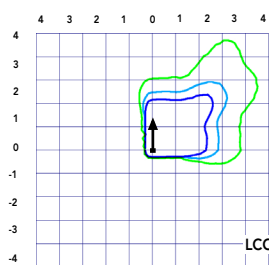
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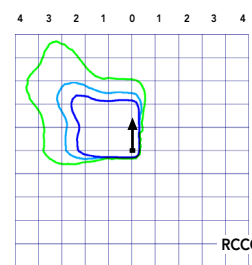
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Test No. LTL23271 tested in accordance with IESNA LM-79-08.



Test No. LTL23211 tested in accordance with IESNA LM-79-08.



Test No. LTL23164B tested in accordance with IESNA LM-79-08.



## 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	59°F	1.02
20°C	68°F	1.01
<b>25°C</b>	<b>77°F</b>	<b>1.00</b>
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

					Current (A)					
	Performance Package	LED Count	Drive Current	Wattage	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
FA0	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.	FA0 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.
PERS or PER7	Twist-lock photocell receptacle	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 Eclipse.	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
				TSVS	6,722	2	0	0	124	7,242	3	0	0	134	7,334	3	0	0	136
				TSS	6,728	2	0	1	125	7,248	2	0	1	134	7,340	2	0	1	136
				TSM	6,711	3	0	1	124	7,229	3	0	1	134	7,321	3	0	2	136
				TSW	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
				TSVS	8,588	3	0	0	123	9,252	3	0	0	132	9,369	3	0	0	134
				TSS	8,595	3	0	1	123	9,259	3	0	1	132	9,376	3	0	1	134
				TSM	8,573	3	0	2	122	9,236	3	0	2	132	9,353	3	0	2	134
				TSW	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
				TSVS	12,140	3	0	1	119	13,078	3	0	1	128	13,244	3	0	1	130
				TSS	12,150	3	0	1	119	13,089	3	0	1	128	13,254	3	0	1	130
				TSM	12,119	4	0	2	119	13,056	4	0	2	128	13,221	4	0	2	130
				TSW	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
				TSVS	13,987	4	0	1	112	15,068	4	0	1	121	15,259	4	0	1	122
				TSS	13,999	3	0	1	112	15,080	3	0	1	121	15,271	3	0	1	122
				TSM	13,963	4	0	2	112	15,042	4	0	2	120	15,233	4	0	2	122
				TSW	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
				TSVS	15,283	4	0	1	111	16,464	4	0	1	119	16,672	4	0	1	121
				TSS	15,295	3	0	1	111	16,477	4	0	1	119	16,686	4	0	1	121
				TSM	15,257	4	0	2	111	16,435	4	0	2	119	16,644	4	0	2	121
				TSW	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
				TSVS	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
				TSM	18,348	4	0	2	113	19,766	4	0	2	121	20,016	4	0	2	123
				TSW	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
				TSVS	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
				TSM	19,983	4	0	2	109	21,527	5	0	3	118	21,799	5	0	3	119
				TSW	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
				TSVS	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
				TSM	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				TSW	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
				TSVS	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
				TSM	26,581	5	0	3	110	28,635	5	0	3	119	28,997	5	0	3	120
				TSW	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
				TSVS	13,372	3	0	1	126	14,405	4	0	1	136	14,588	4	0	1	138
				TSS	13,260	3	0	1	125	14,284	3	0	1	135	14,465	3	0	1	136
				TSM	13,256	4	0	2	125	14,281	4	0	2	135	14,462	4	0	2	136
				TSW	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
				TSVS	16,975	4	0	1	124	18,287	4	0	1	133	18,518	4	0	1	135
				TSS	16,832	4	0	1	123	18,133	4	0	2	132	18,362	4	0	2	134
				TSM	16,828	4	0	2	123	18,128	4	0	2	132	18,358	4	0	2	134
				TSW	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
				TSVS	23,579	5	0	1	114	25,401	5	0	1	123	25,722	5	0	1	124
				TSS	23,380	4	0	2	113	25,187	4	0	2	122	25,506	4	0	2	123
				TSM	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				TSW	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
				TSVS	26,043	5	0	1	113	28,056	5	0	1	121	28,411	5	0	1	123
				TSS	25,824	4	0	2	112	27,819	5	0	2	120	28,172	5	0	2	122
				TSM	25,818	5	0	3	112	27,813	5	0	3	120	28,165	5	0	3	122
				TSW	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<sup>2</sup>) 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 programming 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 luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found here.

### INSTALLATION

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 -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

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

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

### BUY AMERICAN

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

### WARRANTY

5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/support/customer-support/terms-and-conditions](http://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

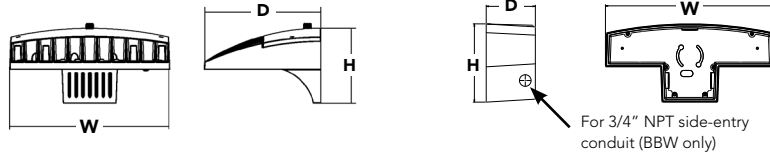
d<sup>series</sup>

## Specifications Luminaire

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

## Back Box (BBW, ELCW)

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



Catalog  
Number

Notes

Type

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

## 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) <sup>1</sup>	350 350 mA 530 530 mA 700 700 mA 1000 1000 mA (1 A) <sup>1</sup>	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 <sup>2</sup> 120 <sup>3</sup> 208 <sup>3</sup> 240 <sup>3</sup> 277 <sup>3</sup> 347 <sup>3,4</sup> 480 <sup>3,4</sup>	<b>Shipped included</b> (blank) Surface mounting bracket  <b>BBW</b> Surface-mounted back box (for conduit entry) <sup>5</sup>	<b>Shipped installed</b> <b>PE</b> Photoelectric cell, button type <sup>6</sup> <b>DMG</b> 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) <b>PIR</b> 180° motion/ambient light sensor, <15' mtg ht <sup>1,7</sup> <b>PIRH</b> 180° motion/ambient light sensor, 15-30' mtg ht <sup>1,7</sup> <b>PIR1FC3V</b> Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc <sup>1,7</sup> <b>PIRH1FC3V</b> Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc <sup>1,7</sup> <b>ELCW</b> Emergency battery backup (includes external component enclosure), CA Title 20 Noncompliant <sup>8,9</sup>

## Other Options

## Finish (required)

### Shipped installed

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

### Shipped separately<sup>11</sup>

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

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

DWHGXD	Textured white
DSSTXD	Textured sandstone

## Accessories

Ordered and shipped separately.

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

## NOTES

- 20C 1000 is not available with PIR, PIRH, PIR1FC3V or PIRH1FC3V.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- Only available with 20C, 700mA or 1000mA. Not available with PIR or PIRH.
- Back box ships installed on fixture. Cannot be field installed. Cannot be ordered as an accessory.
- Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
- Reference Motion Sensor table on page 3.
- 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](http://www.lithonia.com)
- Not available with SPD.
- Not available with ELCW.
- Also available as a separate accessory; see Accessories information.
- Not available with ELCW.



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DSXW1-LED  
Rev. 4/19/21

COMMERCIAL OUTDOOR



## 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
	530 mA	19W	TFTM	1,411	0	0	1	109	1,515	0	0	1	117	1,525	0	0	1	117	892	0	0	1	69
			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
	700 mA	26W	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
			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
	1000 mA	39W	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
			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
20C (20 LEDs)	350mA	23W	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
	530 mA	35W	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
	700 mA	46W	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
			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
	1000 mA	73W	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
			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
	530 mA	35W	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
			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
	700 mA	46W	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

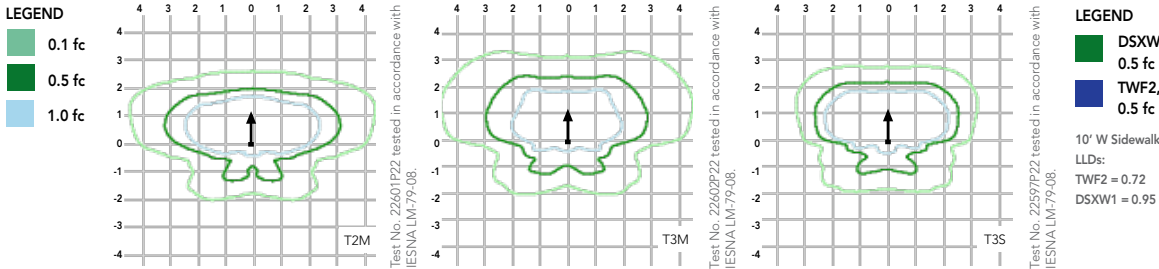
Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min

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

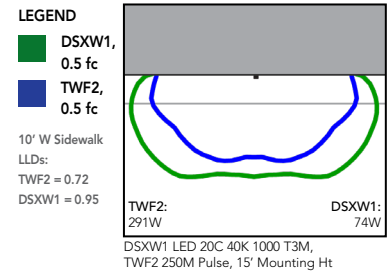
## Photometric Diagrams

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

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



Distribution overlay comparison to 250W metal halide.



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

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



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DSXW1-LED  
Rev. 4/19/21



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# Cypress OW1202

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

**CCT**  
3000K  
3500K  
4000K

**LUMENS**

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1200

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13  
28

**POWER**

Integral

**CONTROL**

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Wet

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# CITY OF MADISON LANDSCAPE WORKSHEET

Section 28.142 Madison General Ordinance

Project Location / Address 2222 E. WASHINGTON AVE - MADISON, WI 53704  
Name of Project MMSD - EAST HIGH SCHOOL ADDITION AND RENOVATION  
Owner / Contact SAIKI DESIGN - SAMANTHA FARRELL-FOURER  
Contact Phone 608.405.3160 Contact Email sfarrell@saiki.design

**\*\* Landscape plans for zoning lots greater than ten thousand (10,000) square feet in size  
MUST be prepared by a registered landscape architect. \*\***

## Applicability

The following standards apply to all exterior construction and development activity, including the expansion of existing buildings, structures and parking lots, except the construction of detached single-family and two-family dwellings and their accessory structures. The entire development site must be brought up to compliance with this section unless all of the following conditions apply, in which case only the affected areas need to be brought up to compliance:

- (a) The area of site disturbance is less than ten percent (10%) of the entire development site during any ten-(10) year period. YES
- (b) Gross floor area is only increased by ten percent (10%) during any ten-(10) year period. YES
- (c) No demolition of a principal building is involved. YES
- (d) Any displaced landscaping elements must be replaced on the site and shown on a revised landscaping plan.  
SITE FURNISHINGS (BENCHES / TABLES) WILL BE RECREATED ON SITE.

## Landscape Calculations and Distribution

Required landscaped areas shall be calculated based upon the total developed area of the property. Developed area is defined as that area within a single contiguous boundary which is made up of structures, parking, driveways and docking/loading facilities, but excluding the area of any building footprint at grade, land designated for open space uses such as athletic fields, and undeveloped land area on the same zoning lot. There are three methods for calculating landscape points depending on the size of the lot and Zoning District.

- (a) For all lots except those described in (b) and (c) below, five (5) landscape points shall be provided for each three hundred (300) square feet of developed area.

Total square footage of developed area \_\_\_\_\_

Total landscape points required \_\_\_\_\_

- (b) For lots larger than five (5) acres, points shall be provided at five (5) points per three hundred (300) square feet for the first five (5) developed acres, and one (1) point per one hundred (100) square feet for all additional acres.

Total square footage of developed area \_\_\_\_\_

Five (5) acres = 217,800 square feet

First five (5) developed acres = 3,630 points

Remainder of developed area \_\_\_\_\_

Total landscape points required \_\_\_\_\_

- (c) For the Industrial – Limited (IL) and Industrial – General (IG) districts, one (1) point shall be provided per one hundred (100) square feet of developed area.

Total square footage of developed area \_\_\_\_\_

Total landscape points required \_\_\_\_\_