raSmith
CREATIVITY BEYOND ENGINEERING

R.A. Smith, Inc.
100 West Lawrence Street, Suite 306
Appleton, WI 54911-5754
(920) 731-3499 | rasmith.com

July 1, 2026

Mr. Tim Lynch, P.E.
Village Engineer
East Troy Community Schools Transportation Building
3128 Graydon Avenue
East Troy, WI

RE: East Troy Transportation Facility – Civil Engineering Review Request

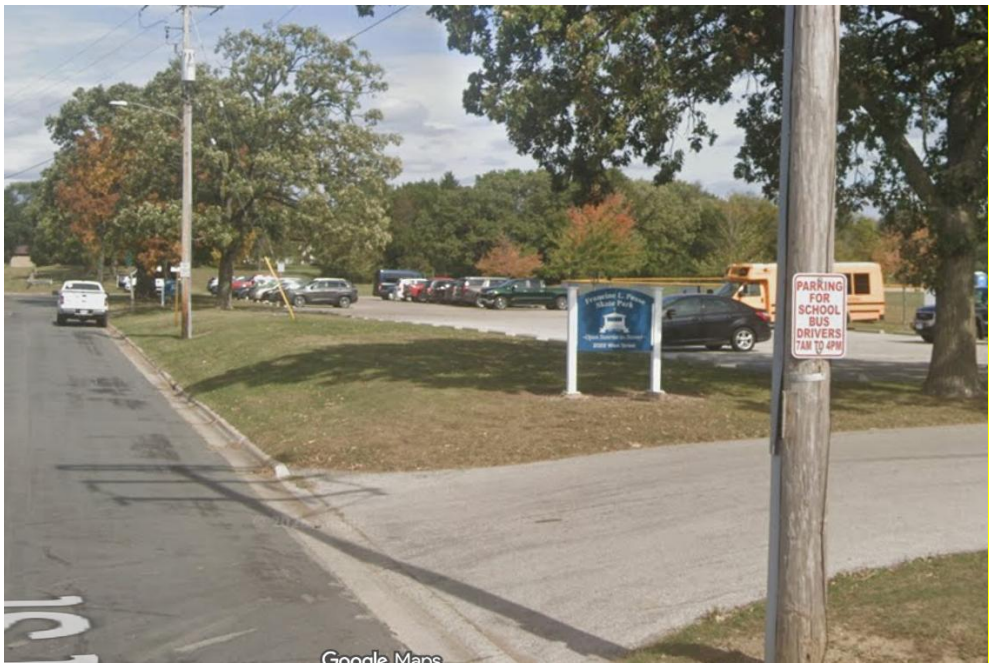
Dear Mr. Lynch:

STAFF COMMENTS:

ADA/Staff Parking

The site plan identifies bus parking/van parking, and six standard parking spaces outside the fenced area; however, it is not clear where staff parking is intended to occur or how ADA-accessible parking will be accommodated. The plans should clarify the intended staff parking location and identify the accessible parking stall, access aisle, signage, pavement markings, slopes/cross-slopes, and accessible route to the building entrance. If staff parking is intended to be located outside the fenced area, the plans should also clarify how accessible parking will remain available during normal operations.

Refer to revised civil drawings noting the existing signage indicating parking for bus drivers on West Street. Additionally, there is parking available for bus drivers in the parking lot on the east side of West Street. Accessible access is provided to the building entrance from the ADA parking spaces in the existing parking lot.



Site Lighting

The demolition plan notes removal/protection of existing light poles, but a site lighting plan was not included in the civil set reviewed. If new or modified exterior lighting is proposed, a lighting plan should be submitted for Village review, including fixture type, pole height, photometrics, and confirmation that light spillover is controlled at property lines.

Refer to attached photometric plan and proposed fixture cut sheets.

Inlet Protection

Inlet protection shall be installed at all existing and proposed inlets receiving runoff from the disturbed area. The contractor shall inspect and maintain inlet protection throughout construction and remove accumulated sediment, as necessary.

See revised civil drawings for inlet protection as requested and for notes to the contractor for inspection and maintenance.

Existing Utility Connections

The plans should clarify how existing utility connections are to be disconnected and abandoned, including existing sanitary, water, storm sewer, or other utility services associated with the existing building. Abandonment should be completed in accordance with Village of East Troy Standard Specifications and coordinated with the Village prior to construction.

See revised civil drawings for a note to disconnect and/or abandon at the main per the Village Standard Specification. raSmith coordinated with Jason Equitz, Director of Public Works for the Village of East Troy, regarding the utility work.

Sanitary Sampling Manhole

Provide a sanitary sampling manhole on the proposed sanitary service prior to connection to the Village sanitary sewer. The location and detail shall be coordinated with the Village.

See revised civil drawings for the addition of the sampling manhole, as coordinated with the Village.

Storm Sewer Connection

Proposed connections to the existing storm sewer inlet/manhole should be cored into the existing structure after the structure condition has been reviewed in the field. If the existing structure is determined to be in poor condition or unsuitable for the proposed connection, the structure should be replaced as part of the work.

See revised civil drawings for the note regarding utility materials installed within the right-of-way.

Utility Materials

Add a note to the plans indicating that all utility materials installed within the public right-of-way are to conform to the Village of East Troy Standard Specifications. This includes pipe materials, fittings, bedding, backfill, structures, castings, valves, appurtenances, and tracer wire.

See revised civil drawings for the note regarding utility materials within the right-of-way.

Village infrastructure Inspection

Add a note to the plans indicating that any work involving Village infrastructure, including storm sewer, sanitary sewer, water main/service connections, curb and gutter, pavement, and other improvements within the public right-of-way, is subject to Village inspection. The contractor should coordinate with the Village in advance of this work.

See revised civil drawings for the note regarding Village inspection of work within the right-of-way.

Post-Construction Stormwater

The plan notes indicate that impervious area is reduced from approximately 93.0% existing to 91.0% proposed. A stormwater narrative/calculation summary has been provided and is acceptable. No additional post-construction stormwater comments at this time.

Noted.

Recommendation:
Update the plans and supporting documents to address the review comments and resubmit for final approval.

See attached revised civil drawings reflecting the changes requested.

Sincerely,

Brad Hartjes, P.E., CFM
Senior Project Manager

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July 1, 2026

Orrin Sumwalt
Planning Consultant
East Troy Community Schools Transportation Building
3128 Graydon Avenue
East Troy, WI

RE: East Troy Transportation Facility – Site Plan Amendment Request

Dear Mr. Sumwalt:

PLANNER COMMENTS:
1. Comprehensive Plan. Future Land Use is Institutional and Public Service, which is consistent with the existing zoning of SR-4 Suburban Residential District.

Noted.

2. Zoning District Requirements. The subject property is zoned SR-4 Suburban Residential District, in which indoor institutional uses such as a high school are permitted as conditional uses pursuant to Section 510-20B and the Table of Land Uses of the Village Zoning Code.

The school district's transportation facility, which is located on the northeast side of the High School property, has frontage and access from West Street. For non-residential uses in the SR-4 District, Section 510-20H requires a minimum street yard setback of 25 feet. However, the submitted Site Plan shows the proposed transportation building located approximately 5 feet from the east lot line, which does not comply with this requirement.

In addition, Section 510-20H requires a minimum pavement setback of 5 feet. The Site Plan indicates that pavement is located at or within 5 feet of the lot line, which also does not meet the required standard.

Due to these noncompliant setbacks, the Plan Commission is unable to approve the proposed building location as currently designed.

Foth recommends the petitioner submit a revised site plan demonstrating that the building and pavement comply with the minimum district setback requirements for review and approval by the Zoning Administrator, prior to issuance of a Building Permit.

See attached revised civil drawings reflecting the proposed 25-foot building setback, 5-foot paving setback, revised grading, and fence revisions.

3. Buildings: New 50' x 120' (~ 6,000 SF) Transportation Building.

Noted.

4. Parking. The proposed site plan includes a parking lot reconfiguration for the school district's transportation facility. The site plan shows twenty-two (22) 12' x 40' parking spaces. Twenty-one of these are intended for buses and one (1) is intended for two (2) Suburbans/vans to be parked in tandem. There is also One (1) standard space (inside fence) intended for a suburban and six (6) standard spaces (outside fence) also intended for Suburbans.

However, the site plan does not identify any parking spaces designated for employees. Per Village code, parking must be provided at a ratio of one (1) space per employee on the largest work shift.

Foth recommends the petitioner submit a revised site plan demonstrating that the site complies with the Village's minimum parking requirements for review and approval by the Zoning Administrator, prior to issuance of a Building Permit.

Refer to revised civil drawings noting the existing signage indicating parking for bus drivers on West Street. Additionally, there is parking available for bus drivers in the lot east of West Street.



5. Architecture: The submittal does not include the necessary architectural documentation. Specifically, architectural building plans, floor plans, and elevation drawings have not been provided. Elevation drawings should clearly depict the proposed finished exterior treatment, including materials, textures, colors, and overall building appearance, with adequate labeling.

Foth recommends the petitioner submit a complete set of architectural plans demonstrating compliance with the exterior site and building design standards per Section 510-90 of the Village

Zoning Code for review and approval by the Zoning Administrator, prior to issuance of a Building Permit.

Refer to set of current Architectural building drawings attached.

6. Landscaping: The submittal does not include any proposed landscaping. At a minimum, the new building requires foundation landscaping in accordance with Section 510-116(A) of the Village Zoning Code.

Foth recommends the petitioner submit a Landscape Plan demonstrating that the site complies with the Village's minimum landscaping requirements for review and approval by the Zoning Administrator, prior to issuance of a Building Permit.

Refer to revised civil drawings indicating base plantings around the building, conforming with Section 510-116(A) of the Village Zoning Code. We have provided Tall-medium evergreen shrubs and low deciduous shrubs for a total point value of 134.

7. Exterior Lighting: The submittal doesn't include any proposed lighting. If new or modified lighting is proposed, then full cut-off fixtures are required, subject to the exterior lighting standards per Section 510.95 of the Village Zoning Code. If new or modified lighting is proposed, then Foth recommends the petitioner submit a lighting plan including a photometric report for review and approval by the Zoning Administrator prior to issuance of a building permit.

Refer to attached photometric plan and proposed fixture cut sheets.

8. Signage: There is no new signage being proposed. Any signage shall be required to obtain signage approval through the Village of East Troy's sign application process.

We will obtain signage approval as necessary if any signs are proposed while the project proceeds.

9. Trash/Recycle Impacts: No proposed change.

Refer to revised civil drawings reflecting the relocation of existing dumpster. The existing dumpster will be relocated to the west of the transportation facility and will be obscured from the roadway by vinyl slats. The dumpster will be placed in the striped island and won't impact the number of parking spaces within the lot.

10. Stormwater Management and Erosion Control. Stormwater and erosion control measures are subject to review and approval of the Village Engineer.

Stormwater and erosion control measures have previously been submitted to Lynch & Associates (required authorities having jurisdiction) and have no more post-construction stormwater comments at this time.

11. Traffic, Circulation and Access. The property is currently accessible via two (2) existing driveways on Graydon Avenue. The proposed civil plans depict the removal of the northern driveway with one (1) driveway on Graydon Avenue remaining.

No action required. The existing south drive into the bus storage area will remain at the current location and the north drive is being eliminated and restored with new curb and gutter.

Site Plan and Plan of Operation

The Village of East Troy Plan Commission Approves the Site Plan/Plan of Operation Request for East Troy Community School District for the property located at 3128 Graydon Avenue, subject to the following conditions:

1. The Site Plan/Plan of Operation approval is limited to East Troy Community School District on the existing parcel known as RXUP00202. Use of the property by any other entity, for any purpose, is not permitted. The approval shall reflect the following Plan of Operation:

a. The existing site plan/plan of operation shall remain in effect, except as further restricted or modified herein.

b. Uses and activities: Use is limited to an "indoor institutional" use for East Troy High School, which entails classroom instruction and outdoor activities normally associated with a school environment and the school district's transportation facility.

No other use than the above approved is planned for this property.

2. This Site Plan/Plan of Operation approval is subject to the Petitioner complying at all times with the plans and documents presented to the Village of East Troy Plan Commission on June 23, 2026.

Agreed

3. Prior to any land disturbing activities, the developer must obtain approval of a conditional use amendment from the Village to incorporate the school district's transportation facility into the "indoor institutional" land use for East Troy High School and comply with all applicable terms and conditions.

The Conditional use approval has been granted on June 23, 2026.

4. The petitioner shall submit a revised site plan demonstrating that the building and pavement comply with the minimum district setback requirements for review and approval by the Zoning Administrator, prior to issuance of a Building Permit.

See attached revised civil drawings reflecting the proposed 25-foot building setback, 5-foot paving setback and fence.

5. The petitioner shall submit a revised site plan demonstrating that the site complies with the Village's minimum parking requirements for review and approval by the Zoning Administrator, prior to issuance of a Building Permit.

Refer to revised civil drawings noting the existing signage indicating parking for bus drivers on West Street. Additionally, there is parking available for bus drivers in the lot east of West Street.

6. The petitioner shall submit a complete set of architectural plans demonstrating compliance with the exterior site and building design standards for review and approval by the Zoning Administrator, prior to issuance of a Building Permit.

Refer to set of current Architectural building drawings attached.

7. The petitioner shall submit a Landscape Plan demonstrating that the site complies with the Village's minimum landscaping requirements for review and approval by the Zoning Administrator, prior to issuance of a Building Permit.

Refer to revised civil drawings indicating base plantings around the building, conforming with Section 510-116(A) of the Village Zoning Code.

8. If the project scope includes new or modified lighting, then the petitioner shall submit a lighting plan including a photometric report for review and approval by the Zoning Administrator prior to the issuance of a building permit.

Refer to attached photometric plan and proposed fixture cut sheets.

9. The developer must obtain all required building permits within 9 months of this date and start construction within 6 months of the date of building permit issuance and continue in good faith to completion. The zoning administrator may allow a one-time extension of 12 months provided the developer submits the request in writing before the above-mentioned time periods and the project still complies with all applicable zoning requirements.

WI DSPS conditional approval has already been obtained and building permits will be acquired following this Staff Review.

10. The developer is solely responsible for ensuring the proposed project complies with any private restrictions (e.g., covenants) and easements that may apply to the subject property.

All are in compliance.

11. Prior to any land disturbing activities, a pre-construction meeting must be held with the applicant's representatives and primary contractors, and Village department heads and representatives.

The Engineer has been in contact with the appropriate department(s) at the Village.

12. Prior to any land disturbing activities, the developer must submit an erosion control plan and permit application to the Building Inspector and obtain approval of the same.

Erosion Control Permit Application has been submitted to the Village of East Troy via email on May 18, 2026.

13. Prior to final occupancy, the zoning administrator must determine that all site improvements and required landscaping have been completed consistent with approved plans.

This letter and submission is intended to signify compliance.

14. The facility shall be operated in a manner that complies with all applicable performance standards in Article J of the Village's zoning code.

Operation of the facility will not change from the current and approved use.

15. Any signage shall be required to obtain signage approval through the Village of East Troy's sign application process.

No new signage is proposed.

16. The developer must comply with all parts of the municipal code as it relates to this project.

Agreed

17. The Petitioner shall satisfy all comments, conditions, and concerns of the Village of East Troy Plan Commission, Village Engineer and Village Planner for the site plan, and other documentation.

To our knowledge, we have satisfied the Village of East Troy Plan Commission, Village Engineer and Village Planner.

18. If the approved plans need to be revised to address any of the conditions of approval or to conform to Building and Fire Safety Codes, the zoning administrator is authorized to approve minor modifications so long as the overall project elements remain unchanged. If the proposed revisions are substantial as determined by the zoning administrator, the plans must be submitted to the Plan Commission for review and approval.

Any revisions shall be submitted to the proper authority for approval.

19. Building Inspection. The Petitioner and/or Property Owner shall comply with any and all recommendations by the Village Building Inspector (or designee) prior to the issuance of an occupancy & use permit for the subject property. Approval by the Village Building Inspector, if granted, shall be solely for the benefit of the Village of East Troy, and shall not be relied upon by the petitioner or others as proof of structural integrity or safety of any structure on the property, or as proof of compliance with any particular construction standard that would apply to new construction. The petitioner shall independently determine the suitability of all structures on the property for the petitioner's intended uses.

All construction inspections will be scheduled with the building inspector at appropriate times during construction of required activities.

20. Fire Inspection. The Petitioner and/or Property Owner shall comply with any and all recommendations by the Village of East Troy Fire Department Chief (or designee) prior to the issuance of an occupancy & use permit for the subject property. Approval by the Village of East Troy Fire Department Chief (or designee), if granted, shall be solely for the benefit of the Village of East Troy, and shall not be relied upon by the petitioner or others as proof of fire safety of any structure on the property, or as proof of compliance with any particular fire safety standard that would apply to new construction. The petitioner shall independently determine the fire safety and suitability of all structures on the property for the petitioner's intended uses.

Fire alarm systems and construction activities related to the compliance with local fire department approvals will be scheduled as required.

21. This approval is granted for the express conditions stated herein. Changes or alterations including, but not limited to, a change in use, premises, lands, or ownership of the property in question shall require a new Site Plan/Plan of Operation permit with all the zoning procedures at the time being followed. The allowed uses of the property must at no time be hazardous, harmful, obnoxious, offensive, or a nuisance by reasons of appearance, noise, dust, smoke, odor, or other similar factors. Any use not specifically listed, as permitted, shall be considered to be prohibited, except as may be otherwise specified herein.

There is no intention to change the use or ownership of this property.

22. The Property Owner shall keep the exterior condition of the premises in a neat and orderly condition at all times so the premises will not detract from neighboring premises. There shall be no outside storage of junk, debris, construction material, or other refuse materials within the property and all such materials shall be disposed of promptly and properly.

The property will be maintained to the standards of the Village of East Troy.

23. The Property Owner shall allow Village of East Troy representatives to inspect the premises following a 24-hour notice for the purpose of determining compliance with this approval.

Agreed.

24. The Petitioner and/or Property Owner shall obtain the appropriate permits from the Village of East Troy.

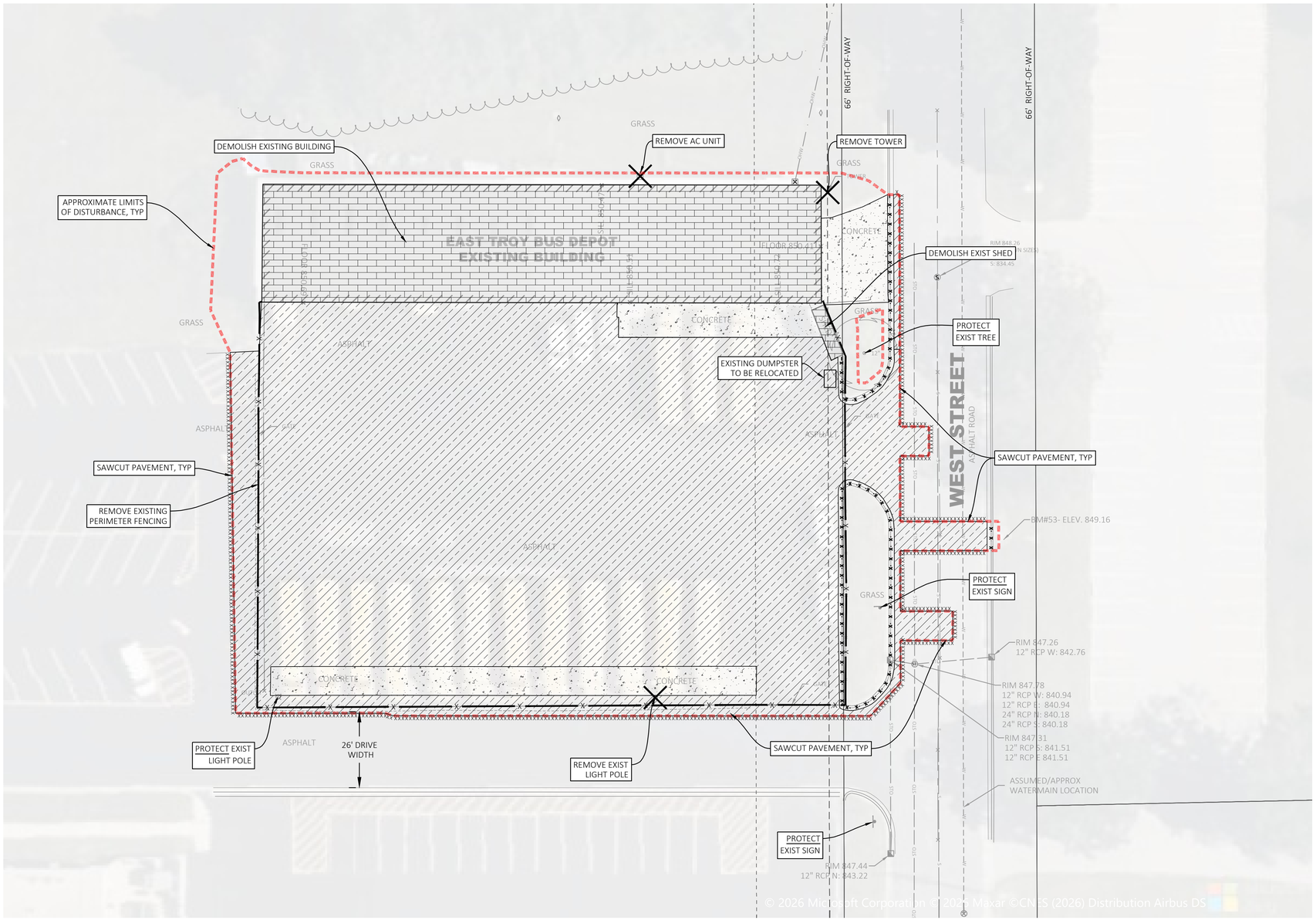
This will be coordinated by PSI as the Owner's agent of construction. WI DSPS Conditional Approval has already been granted.

25. The Petitioner and/or Property Owner shall, on demand, reimburse the Village of East Troy for all costs and expenses of any type incurred by the Village in connection with the review and approval of this application, including, but not limited to, the cost of professional services incurred by the Village for the review and preparation of required documents, attendance at meetings or other related professional services as well as to enforce the conditions in this approval due to a violation of these conditions. Additionally, any unpaid bills owed to the Village of East Troy by the Subject Property Owner and/or Agent, for reimbursement of professional fees (as described above); or for personal property taxes; or for real property taxes; or for licenses, permit fees or any other fees or forfeitures owed to the Village of East Troy must be paid on demand and prior to issuance of any permits and shall be placed upon the tax roll for the Subject Property if not paid within thirty (30) days of the billing by the Village of East Troy, pursuant to Section 66.0627, Wisconsin Statutes. Such unpaid bills also constitute a breach of the requirements of this conditional approval that is subject to all remedies available to the Village of East Troy, including possible cause for termination of the conditional approval.

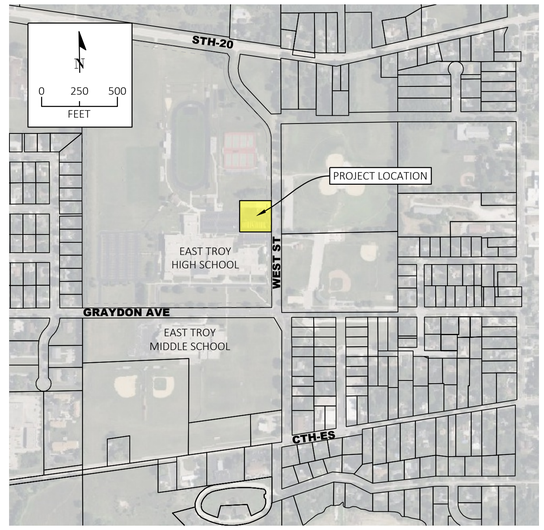
This is the responsibility of PSI per the construction contract with the property owner.

Sincerely,

Brad Hartjes, P.E., CFM
Senior Project Manager



LOCATION MAP



CIVIL SHEET INDEX

C100	DEMOLITION PLAN
C200	SITE PLAN
C300	UTILITY PLAN
C400	GRADING PLAN
C450	EROSION CONTROL PLAN
C500	CONSTRUCTION DETAILS
C501	CONSTRUCTION DETAILS
C502	CONSTRUCTION DETAILS
C503	CONSTRUCTION DETAILS
C550	GATE DETAILS
C552	GATE DETAILS
C553	GATE DETAILS
L100	LANDSCAPE PLAN
L200	LANDSCAPE DETAILS & NOTES

DEMOLITION PLAN KEY

- REMOVE EXISTING BUILDING
- REMOVE EXISTING ASPHALT
- REMOVE EXISTING CONCRETE
- SAWCUT PAVEMENT (FULL-DEPTH)
- REMOVE EXISTING CURB & GUTTER
- REMOVE EXISTING FENCE
- MISCELLANEOUS REMOVAL (AS NOTED)
- APPROXIMATE LIMITS OF DISTURBANCE

EXISTING LEGEND

( ) INDICATES RECORDED DIMENSION WHERE DIFFERENT FROM ACTUAL MEASUREMENT
OR SECTION OR 1/4 SECTION CORNER AS DESCRIBED
1" DIA. IRON PIPE FOUND (UNLESS OTHERWISE NOTED)
1" DIA. IRON PIPE, 18" LONG-SET (UNLESS OTHERWISE NOTED)
BOLLARD
SOIL BORING/MONITORING WELL
FLAGPOLE
MAILBOX
SIGN
BILLBOARD
AIR CONDITIONER
CONTROL BOX
TRAFFIC SIGNAL
RAILROAD CROSSING SIGNAL
CABLE PEDESTAL
POWER POLE
GUY POLE
GUY WIRE
LIGHT POLE
SPOT/YARD/PEDESTAL LIGHT
HANDICAPPED PARKING
ELECTRIC MANHOLE
ELECTRIC PEDESTAL
ELECTRIC METER
ELECTRIC TRANSFORMER
TELEPHONE MANHOLE
TELEPHONE PEDESTAL
MARKED FIBER OPTIC
GAS VALVE
GAS METER
GAS WARNING SIGN
STORM MANHOLE
ROUND INLET
SQUARE INLET
STORM SEWER END SECTION
SANITARY MANHOLE
SANITARY CLEANOUT / SEPTIC VENT
SANITARY INTERCEPTOR MANHOLE
MISCELLANEOUS MANHOLE
WATER VALVE
HYDRANT
WATER SERVICE CURB STOP
WATER MANHOLE
WELL
WATER SURFACE
WETLANDS FLAG
MARSH
CONIFEROUS TREE
DECIDUOUS TREE
SHRUB
EDGE OF TREES
SANITARY SEWER
STORM SEWER
WATERMAIN
MARKED GAS MAIN
MARKED ELECTRIC
OVERHEAD WIRES
BUREAU ELEC. SERV.
MARKED TELEPHONE
MARKED CABLE TV LINE
MARKED FIBER OPTIC
780 EXIST CONTOUR ELEVATION
× 780.55 EXIST SPOT ELEVATION
EXISTING PROPERTY LINE
EXISTING EASEMENT LINE

DEMOLITION NOTES

1. SEWER & WATER SERVICES TO THE EXISTING BUILDING SHALL BE LOCATED IN THE FIELD DURING DEMOLITION, AND THE SERVICE CONNECTIONS SHALL BE ABANDONED AT THE MAIN PER THE VILLAGE OF EAST TROY STANDARD SPECIFICATIONS SECTIONS 33 11 13 AND 33 31 00.
2. ANY WORK INVOLVING VILLAGE INFRASTRUCTURE, INCLUDING STORM SEWER, SANITARY SEWER, WATER MAIN/SERVICE CONNECTIONS, CURB AND GUTTER, PAVEMENT, AND OTHER IMPROVEMENTS WITHIN THE PUBLIC RIGHT-OF-WAY, IS SUBJECT TO VILLAGE INSPECTION. THE CONTRACTOR SHALL COORDINATED WITH THE VILLAGE IN PRIOR TO ANY OF THIS WORK.

N

GRAPHIC SCALE
10 0 10 20 40
(IN FEET)

Know what's below. Call before you dig.

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SITE PLAN DESIGNER:

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100 West Lawrence Street, Suite 305
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(920) 731-5499
www.rasmith.com

raSmith Project No.: 2245402

SIGNATURE

PROPRIETARY AND CONFIDENTIAL
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Performance Services

EAST TROY TRANSPORTATION BUILDING
2021 West St, East Troy, WI 53120

PSI PROJECT NO.	30D-K24-3839
DATE:	05/11/26
DRAWN BY:	SMB
CHECKED BY:	BLH

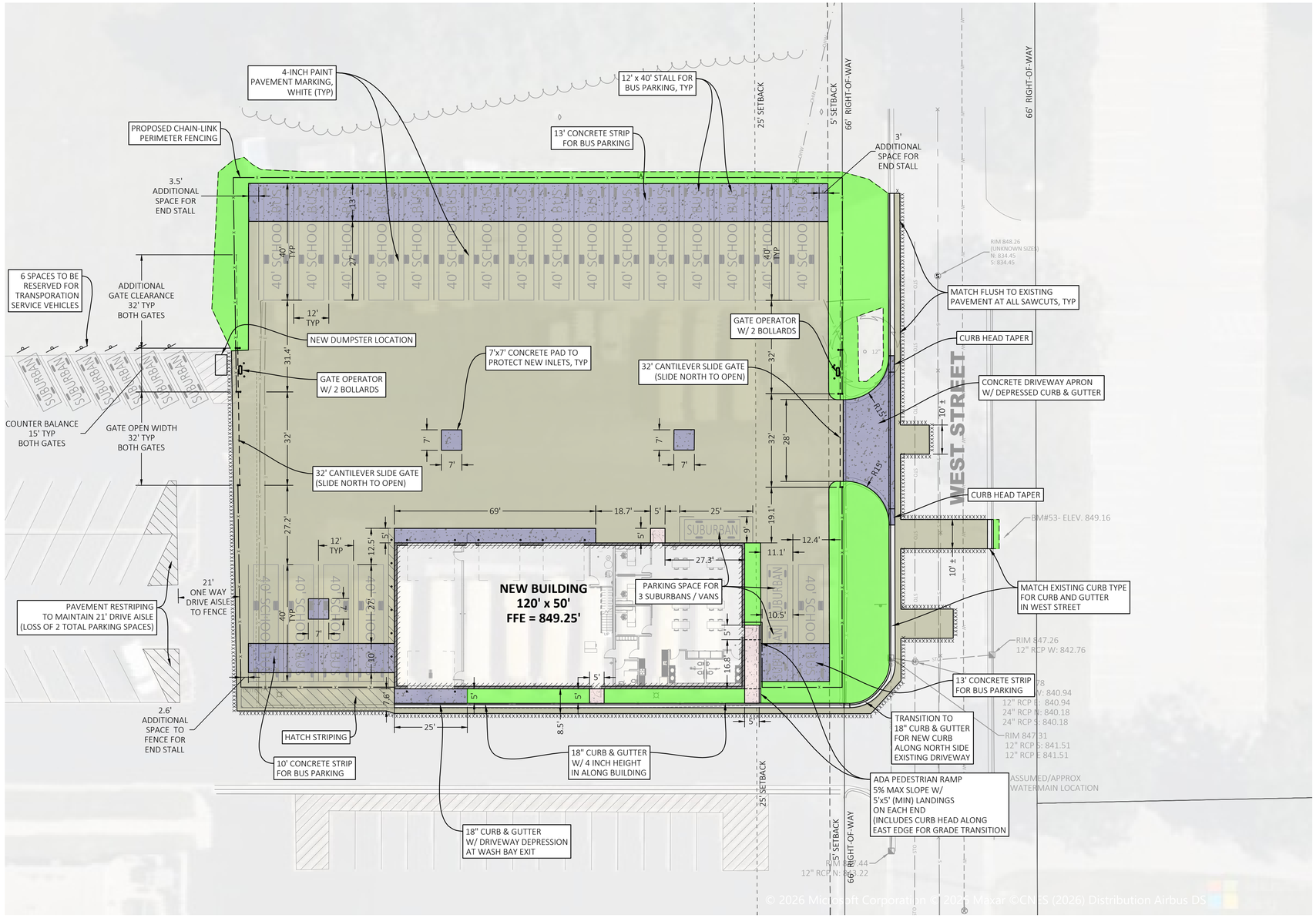
REVISIONS

No.	DATE	DESCRIPTION
	05-11-2026	CONSTRUCTION SET
	07-01-2026	SITE PLAN REVISIONS

CONSTRUCTION DOCUMENTS

SHEET
C100

DEMOLITION PLAN



SITE PLAN KEY

- PROPOSED BUILDING FOOTPRINT
- HEAVY-DUTY ASPHALT PAVEMENT
- HEAVY-DUTY CONCRETE PAVEMENT
- LIGHT-DUTY CONCRETE PAVEMENT (SEE STRUCTURAL PLANS FOR APPLICABLE STOOP DETAILS)
- 4" TOPSOIL, SEED, & MULCH
- CURB & GUTTER REPLACEMENT (MATCH EXIST SIZE)

PARKING COUNTS

REQUIRED PARKING

BUS PARKING	21 VEHICLES
SUBURBAN/VAN PARKING	9 VEHICLES

AVAILABLE PARKING

	STALLS	BUSES	SUBURBANS/VANS
12' x 40' PARKING SPACES	21	21	---
10' x 40' PARKING SPACES	1	---	2
STANDARD SPACE (INSIDE FENCE)	1	---	1
STANDARD SPACE (OUTSIDE FENCE)	6	---	6
TOTAL AVAILABLE PARKING	**29**	**21**	**9**

EMPLOYEE PARKING

THERE ARE EXISTING SIGNS ON WEST STREET TO RESERVE EMPLOYEE PARKING FOR BUS DRIVERS, AND THIS PROJECT DOES NOT PROPOSE AN INCREASE IN THE NUMBER OF BUSES OR EMPLOYEES. ADDITIONAL PARKING IS AVAILABLE IN THE HIGH SCHOOL'S ADJACENT PARKING LOT.

ADA ACCESS

AN ADA PEDESTRIAN RAMP IS PROVIDED TO THE SOUTHEAST CORNER OF THE BUILDING WHICH IS ACCESSIBLE FROM THE ADA PARKING SPACES IN THE HIGH SCHOOL'S EXISTING PARKING LOT.

AREA CALCULATIONS

ESTIMATED LAND DISTURBANCE: **43,226 SF**
0.992 ac

	EXISTING	PROPOSED
BUILDING FOOTPRINT	7,800 SF	6,000 SF
TOTAL PAVEMENT	32,007 SF	32,126 SF
TOTAL GREEN SPACE	3,419 SF	5,100 SF
TOTAL DISTURBED AREA	43,226 SF	43,226 SF
IMPERVIOUS PERCENTAGE	***92.1 %***	***88.2 %***

SITE PLAN NOTES

1. GATES OPERATORS ARE TO BE HYSECURITY SLIDESMART DC HD 30.
2. ANY WORK INVOLVING VILLAGE INFRASTRUCTURE, INCLUDING STORM SEWER, SANITARY SEWER, WATER MAIN/SERVICE CONNECTIONS, CURB AND GUTTER, PAVEMENT, AND OTHER IMPROVEMENTS WITHIN THE PUBLIC RIGHT-OF-WAY, IS SUBJECT TO VILLAGE INSPECTION. THE CONTRACTOR SHALL COORDINATED WITH THE VILLAGE IN PRIOR TO ANY OF THIS WORK.

EXISTING LEGEND

( ) INDICATES RECORDED DIMENSION WHERE DIFFERENT FROM ACTUAL MEASUREMENT
OR SECTION OR 1/4 SECTION CORNER AS DESCRIBED
1" DIA. IRON PIPE FOUND (UNLESS OTHERWISE NOTED)
1" DIA. IRON PIPE, 18" LONG-SET (UNLESS OTHERWISE NOTED)
BOLLARD
SOIL BORING/MONITORING WELL
FLAGPOLE
MAILBOX
SIGN
BILLBOARD
AIR CONDITIONER
CONTROL BOX

TRAFFIC SIGNAL
RAILROAD CROSSING SIGNAL
CABLE PEDESTAL
POWER POLE
GUY POLE
GUY WIRE
LIGHT POLE
SPOT/YARD/PEDESTAL LIGHT
HANDICAPPED PARKING
ELECTRIC MANHOLE
ELECTRIC PEDESTAL
ELECTRIC METER
ELECTRIC TRANSFORMER
TELEPHONE MANHOLE
TELEPHONE PEDESTAL
MARKED FIBER OPTIC
GAS VALVE
GAS METER
GAS WARNING SIGN

STORM MANHOLE
ROUND INLET
SQUARE INLET
STORM SEWER END SECTION
SANITARY MANHOLE
SANITARY CLEANOUT / SEPTIC VENT
SANITARY INTERCEPTOR MANHOLE
MISCELLANEOUS MANHOLE
WATER VALVE
HYDRANT
WATER SERVICE CURB STOP
WATER MANHOLE
WELL
WATER SURFACE
WETLANDS FLAG
MARSH
CONIFEROUS TREE
DECIDUOUS TREE
SHRUB

EDGE OF TREES
S SANITARY SEWER
STO STORM SEWER
W WATERMAIN
G MARKED GAS MAIN
E MARKED ELECTRIC
OHW OVERHEAD WIRES
B BUREAU ELEC. SERV.
T MARKED TELEPHONE
TV MARKED CABLE TV LINE
FO MARKED FIBER OPTIC
780 EXIST CONTOUR ELEVATION
× 780.55 EXIST SPOT ELEVATION
EXISTING PROPERTY LINE
EXISTING EASEMENT LINE

N

GRAPHIC SCALE
10 0 10 20 40
(IN FEET)

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SITE PLAN DESIGNER:
raSmith
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Performance Services

EAST TROY TRANSPORTATION BUILDING
2021 West St, East Troy, WI 53120

PSI PROJECT NO.	30D-K24-3839
DATE:	05/11/26
DRAWN BY:	SMB
CHECKED BY:	BLH

REVISIONS

No.	DATE	DESCRIPTION
	05-11-2026	CONSTRUCTION SET
	07-01-2026	SITE PLAN REVISIONS

CONSTRUCTION DOCUMENTS

SHEET
C200
SITE PLAN

WE RECYCLE

N

GRAPHIC SCALE

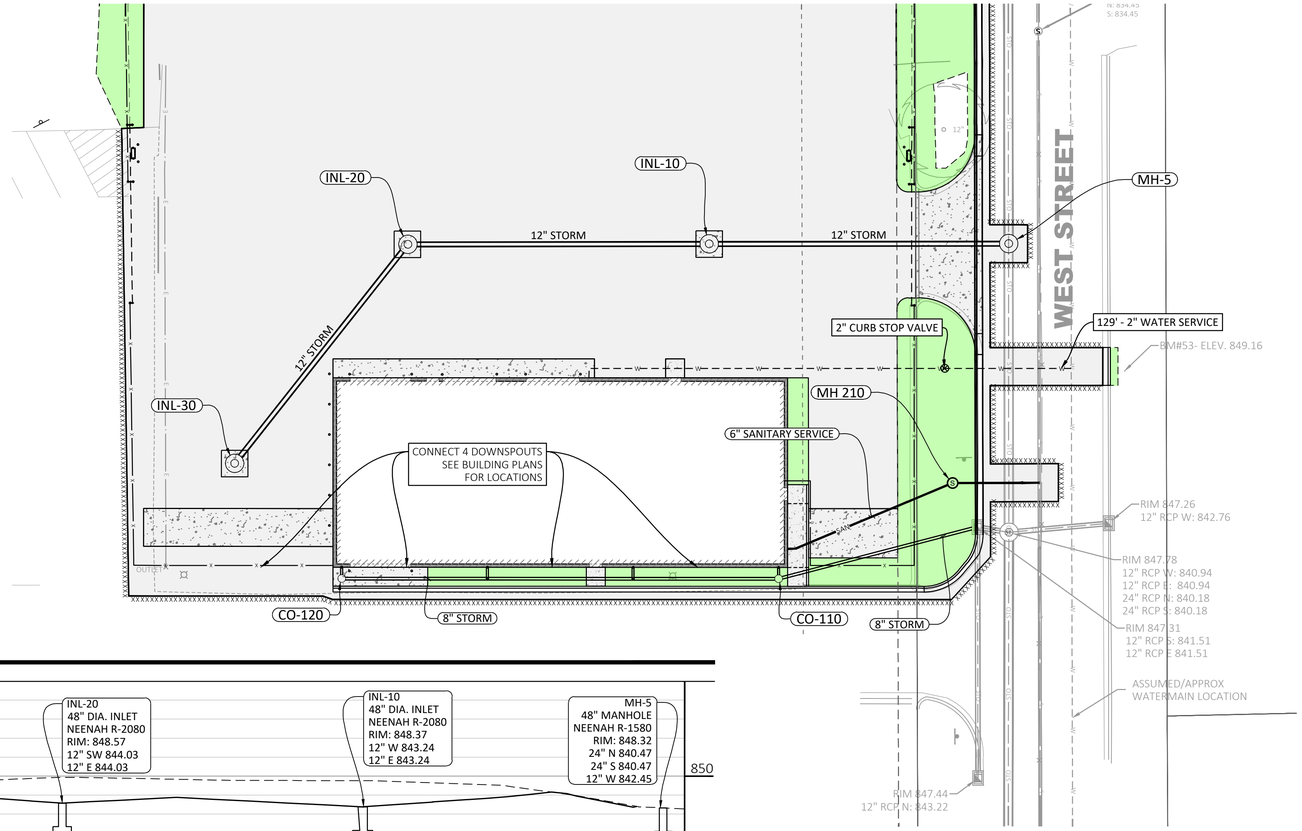
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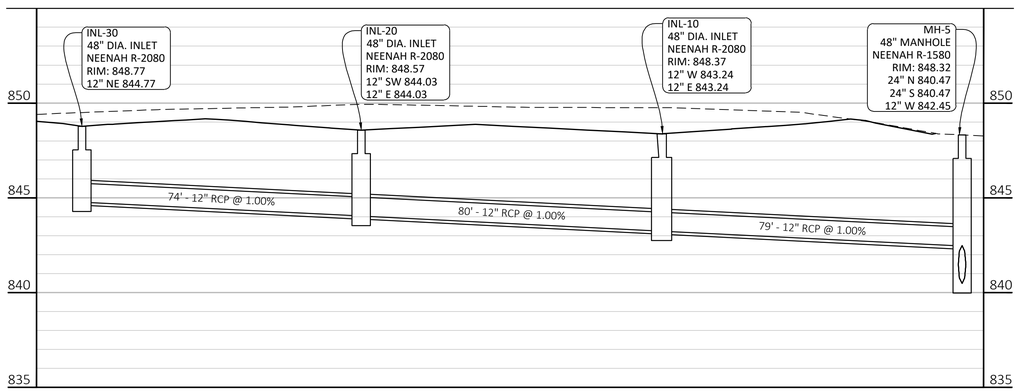
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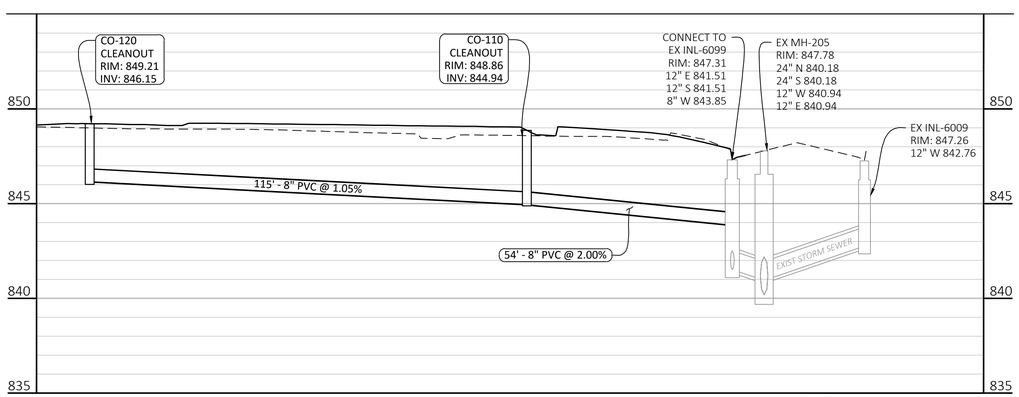
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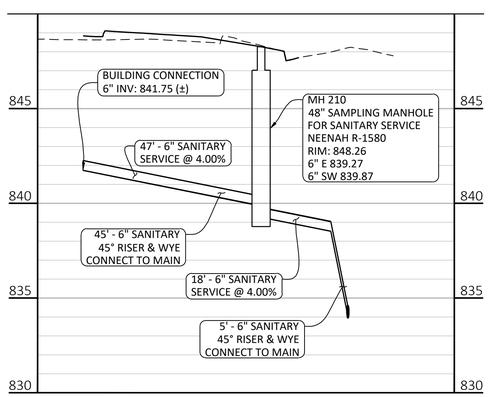


STORM SEWER PROFILES

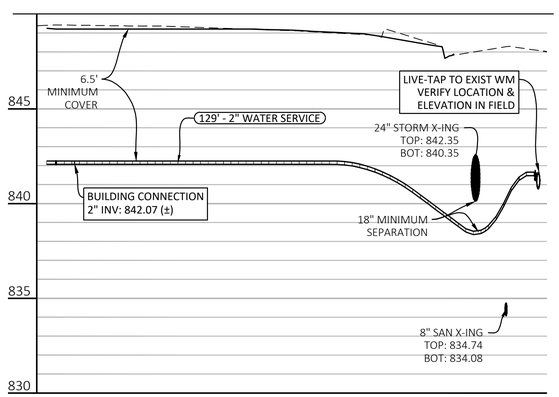




SANITARY SERVICE PROFILE



WATER SERVICE PROFILE



UTILITY NOTES

1. ALL PIPE LENGTHS ARE FROM CENTER-TO-CENTER OF STRUCTURE.
2. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF THE BUILDING UTILITY CONNECTIONS WITH THE BUILDING CONTRACTOR.
3. THE CONTRACTOR SHALL VERIFY ALL UTILITY CONNECTION ELEVATIONS. DISCREPANCIES BETWEEN PLAN GRADES AND EXISTING GRADES SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER.
4. ALL STORM, SANITARY, AND WATER PIPING SHALL BE INSTALLED WITH TRACER WIRE AS A MEANS TO LOCATE THE NON-METALLIC UTILITES. STORM SEWER AND SERVICES SHALL BE INSTALLED WITH BROWN TRACER WIRE. SANITARY SEWER AND SERVICES SHALL BE INSTALLED WITH GREEN TRACER WIRE. POTABLE WATER PIPING SHALL BE INSTALLED WITH BLUE TRACER WIRE.
5. ANY WORK INVOLVING VILLAGE INFRASTRUCTURE, INCLUDING STORM SEWER, SANITARY SEWER, WATER MAIN/SERVICE CONNECTIONS, CURB AND GUTTER, PAVEMENT, AND OTHER IMPROVEMENTS WITHIN THE PUBLIC RIGHT-OF-WAY, IS SUBJECT TO VILLAGE INSPECTION. THE CONTRACTOR SHALL COORDINATED WITH THE VILLAGE IN PRIOR TO ANY OF THIS WORK.
6. THE SANITARY SERVICE SAMPLING MANHOLE SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH ALL VILLAGE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL COORDINATE WITH THE VILLAGE PRIOR TO INSTALLATION AND CONNECTING THE THE PUBLIC SANITARY SEWER.
7. THE PROPOSED STORM SEWER CONNECTION TO THE EXISTING STORM INLET SHOULD BE CORED INTO THE STRUCTURE AFTER THE STRUCTURE CONDITION HAS BEEN REVIEWED IN THE FIELD. IF THE EXISTING STRUCTURE IS DETERMINED TO BE IN POOR CONDITION OR UNSUITABLE FOR THE PROPOSED CONNECTION, THE STRUCTURE SHOULD BE REPLACED AS PART OF THIS PROJECT.
8. ALL UTILITY MATERIALS INSTALLED WITHIN THE PUBLIC RIGHT-OF-WAY SHALL CONFORM TO THE VILLAGE OF EAST TROY STANDARD SPECIFICATIONS. THIS INCLUDES PIPE MATERIALS, FITTINGS, BEDDING, BACKFILL, STRUCTURES, CASTINGS, VALVES, APPURTENANCES, AND TRACER WIRE.

FLUSHING AND DISINFECTION

FLUSHING AND DISINFECTION OF POTABLE WATER SUPPLY SYSTEMS - SPS 382.40(8)(i):

1. a. BEFORE A NEWLY CONSTRUCTED WATER SUPPLY SYSTEM IS TO BE PUT INTO USE, THE PIPING OF THE SYSTEM SHALL BE FLUSHED WITH WATER AND DISINFECTED. EACH WATER OUTLET SHALL BE FLUSHED BEGINNING WITH THE OUTLET CLOSEST TO THE BUILDING CONTROL VALVE AND THEN EACH SUCCESSIVE OUTLET IN THE SYSTEM. THE FLUSHING AT EACH WATER OUTLET SHALL CONTINUE FOR AT LEAST 1 MINUTE AND UNTIL THE WATER APPEARS CLEAR AND WITH NO TRACE OF DISINFECTANT AT THE OUTLET.
   a. EACH PORTION OF A WATER SUPPLY SYSTEM WHICH IS ALTERED OR REPAIRED SHALL BE FLUSHED FOR AT LEAST ONE MINUTE AND UNTIL THE WATER APPEARS CLEAR.
2. NEW PRIVATE WATER MAINS AND EXTENSIONS TO PRIVATE WATER MAINS SHALL BE DISINFECTED PRIOR TO USE IN ACCORDANCE WITH AWWA C651 OR THE FOLLOWING METHOD:
   a. THE PIPE SYSTEM SHALL BE FLUSHED WITH CLEAN WATER UNTIL NO DIRTY WATER APPEARS AT THE POINTS OF OUTLET.
   b. THE SYSTEM OR PART THEREOF SHALL BE FILLED WITH A SOLUTION OF WATER AND CHLORINE CONTAINING AT LEAST 50 PARTS PER MILLION OF CHLORINE AND THE SYSTEM OR PART THEREOF SHALL BE VALVED OFF AND ALLOWED TO STAND FOR 24 HOURS OR THE SYSTEM OR PART THEREOF SHALL BE FILLED WITH A SOLUTION OF WATER AND CHLORINE CONTAINING AT LEAST 200 PARTS PER MILLION OF CHLORINE AND ALLOWED TO STAND FOR 3 HOURS.
   c. FOLLOWING THE ALLOWED STANDING TIME, THE SYSTEM SHALL BE FLUSHED WITH CLEAN POTABLE WATER.
   d. THE PROCEDURES SHALL BE REPEATED IF IT IS SHOWN BY A BACTERIOLOGICAL EXAMINATION THAT CONTAMINATION STILL EXISTS IN THE SYSTEM.
3. THE DEPARTMENT MAY REQUIRE A WATER QUALITY ANALYSIS TO BE DONE FOR A NEW OR REPAIRED WATER SUPPLY SYSTEM. THE ANALYSIS SHALL BE PERFORMED IN ACCORDANCE WITH ACCEPTABLE NATIONALLY RECOGNIZED LABORATORY PRACTICES. IF THE WATER SUPPLY SYSTEM HAS BEEN DISINFECTED, WATER SAMPLES FOR THE ANALYSIS MAY NOT BE TAKEN SOONER THAN 24 HOURS AFTER DISINFECTION.

   NOTE: SEE S. SPS 384.30 (1) REGARDING THE BENDING OF PIPE AND PROTECTION FROM PUNCTURE.
4. NEW OR REPAIRED COMBINATION WATER SERVICES OR COMBINATION PRIVATE WATER MAINS SHALL BE FLUSHED AND DISINFECTED PRIOR TO USE IN ACCORDANCE WITH NFPA 24.

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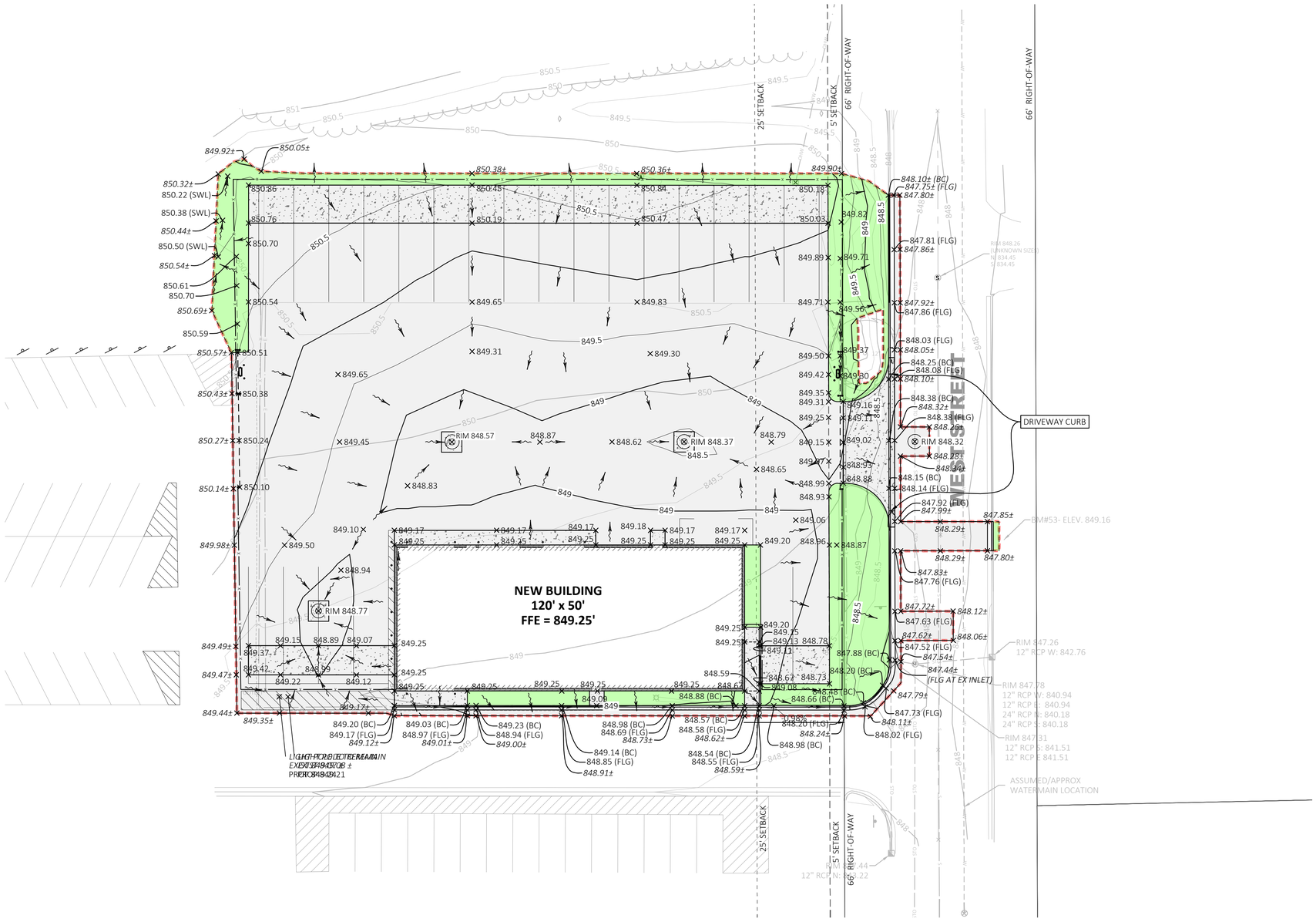
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CONSTRUCTION DOCUMENTS

SHEET
C300

UTILITY PLAN



GENERAL PLAN SYMBOLS

	APPROXIMATE LIMITS OF DISTURBANCE
	PROPOSED DRAINAGE FLOW ARROW
780	CONTOUR - PROPOSED
780	CONTOUR - EXISTING
× 780.00	SPOT ELEVATION - PROPOSED
× *780.00±*	SPOT ELEVATION - MATCH EXISTING

STANDARD GRADING ABBREVIATIONS

ASPH	ASPHALT	EX	EXISTING	MIN	MINIMUM
BC	BACK OF CURB	EXIST	EXISTING	PAVT	PAVEMENT
BLDG	BUILDING	FG	FINISHED GRADE	P	PROPOSED
BM	BENCHMARK	FL	FLOW LINE	PROP	PROPOSED
BOT	BOTTOM OF CURB/WALL	FLG	FLANGE	RT	RIGHT
C&G	CURB AND GUTTER	GRAV	GRAVEL	SS	STORM SEWER
C/L	CENTERLINE	GG	GRAVEL GRADE	SW	SIDEWALK
CO	CLEANOUT	HP	HIGH POINT	SWL	BOTTOM OF SWALE
CONC	CONCRETE	INV	INVERT ELEVATION	TC	TOP OF CURB
EG	EDGE OF GRAVEL	LP	LIGHT POLE	TOP	TOP OF CURB / WALL
EL	ELEVATION	LT	LEFT	TYP	TYPICAL
EP	EDGE OF PAVEMENT	MH	MANHOLE	TW	TOP OF WALL

PLAN NOTES

1. EXISTING SPOT ELEVATIONS ON THIS SHEET ARE CONSIDERED APPROXIMATE. THE PROPOSED GRADING SHALL MATCH FLUSH TO THE ACTUAL EXISTING GRADES OBSERVED IN THE FIELD AT ALL GRADING LIMITS UNLESS SPECIFIED OTHERWISE.
2. SPOT ELEVATIONS SHOWN FOR CURB & GUTTER SPECIFY THE FLANGE ELEVATION UNLESS SPECIFIED OTHERWISE ON THE PLAN.
3. CURB FLOW LINES (FL) ARE NOT GENERALLY SHOWN ON THIS PLAN SHEET AND SHOULD BE CALCULATED BASED ON THE PROVIDED FLANGE ELEVATION (FLG).
4. BACK OF CURB ELEVATIONS SHOULD BE CALCULATED 6 INCHES ABOVE THE FLOW LINE IN WEST STREET AND 4 INCHES ABOVE THE FLOW LINE ALONG THE DRIVEWAY ON THE SOUTH SIDE OF THE BUILDING UNLESS SHOWN OTHERWISE ON THE PLANS.

EXISTING LEGEND

( ) INDICATES RECORDED DIMENSION WHERE DIFFERENT FROM ACTUAL MEASUREMENT
OR SECTION OR 1/4 SECTION CORNER AS DESCRIBED
1" DIA. IRON PIPE FOUND (UNLESS OTHERWISE NOTED)
1" DIA. IRON PIPE, 18" LONG-SET (UNLESS OTHERWISE NOTED)
BOLLARD
SOIL BORING/MONITORING WELL
FLAGPOLE
MAILBOX
SIGN
BILLBOARD
AIR CONDITIONER
CONTROL BOX
TRAFFIC SIGNAL
RAILROAD CROSSING SIGNAL
CABLE PEDESTAL
POWER POLE
GUY POLE
GUY WIRE
LIGHT POLE
SPOT/YARD/PEDESTAL LIGHT
HANDICAPPED PARKING
ELECTRIC MANHOLE
ELECTRIC PEDESTAL
ELECTRIC METER
ELECTRIC TRANSFORMER
TELEPHONE MANHOLE
TELEPHONE PEDESTAL
MARKED FIBER OPTIC
GAS VALVE
GAS METER
GAS WARNING SIGN
STORM MANHOLE
ROUND INLET
SQUARE INLET
STORM SEWER END SECTION
SANITARY MANHOLE
SANITARY CLEANOUT / SEPTIC VENT
SANITARY INTERCEPTOR MANHOLE
MISCELLANEOUS MANHOLE
WATER VALVE
HYDRANT
WATER SERVICE CURB STOP
WATER MANHOLE
WELL
WATER SURFACE
WETLANDS FLAG
MARSH
CONIFEROUS TREE
DECIDUOUS TREE
SHRUB
EDGE OF TREES
SANITARY SEWER
STORM SEWER
WATERMAIN
MARKED GAS MAIN
MARKED ELECTRIC
OVERHEAD WIRES
BUREAU ELEC. SERV.
MARKED TELEPHONE
MARKED CABLE TV LINE
MARKED FIBER OPTIC
780 EXIST CONTOUR ELEVATION
× 780.55 EXIST SPOT ELEVATION
EXISTING PROPERTY LINE
EXISTING EASEMENT LINE

N

GRAPHIC SCALE
10 0 10 20 40
(IN FEET)

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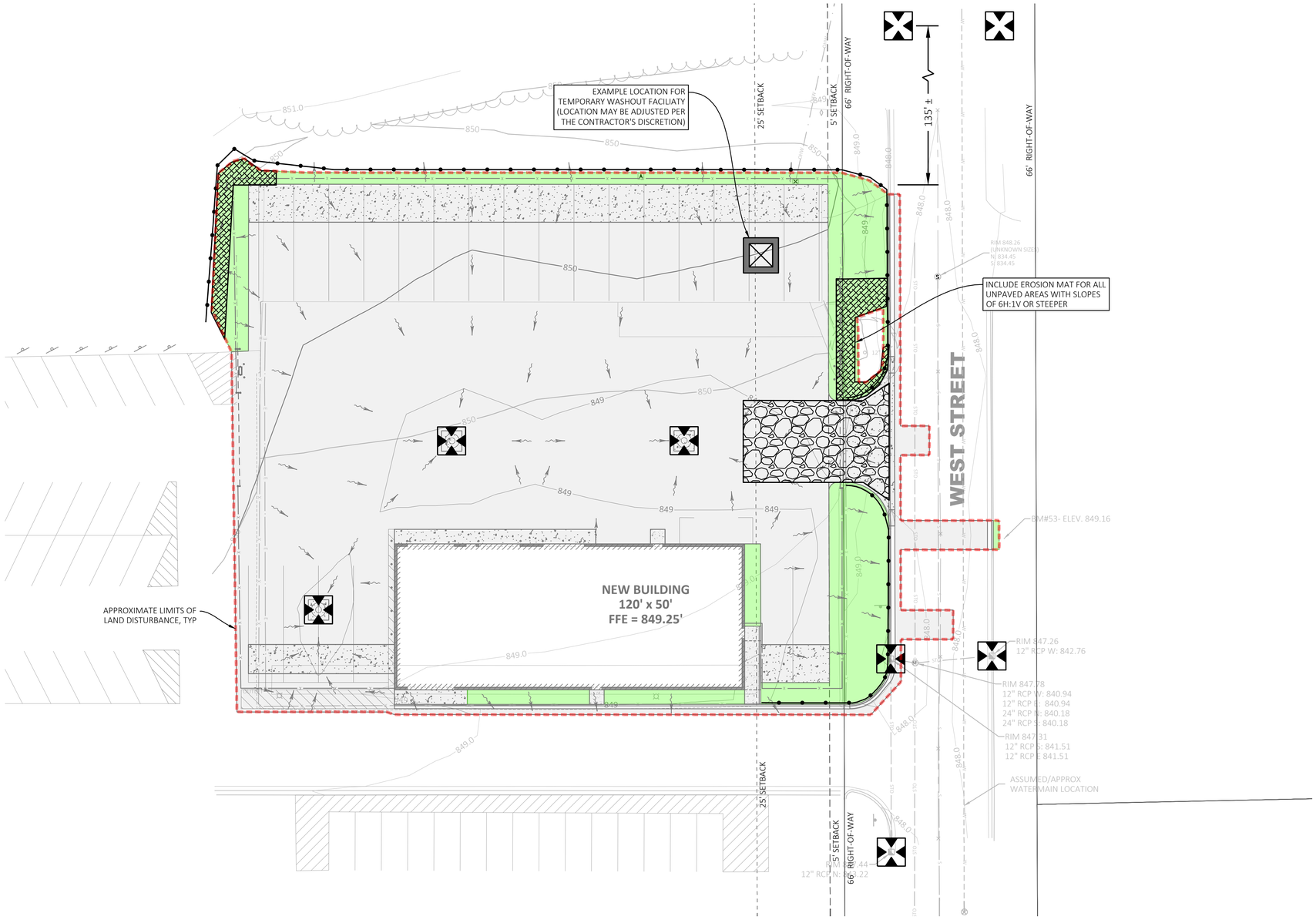
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CONSTRUCTION DOCUMENTS

SHEET
C400

GRADING PLAN

WE RECYCLE



EXISTING LEGEND

( ) INDICATES RECORDED DIMENSION WHERE DIFFERENT FROM ACTUAL MEASUREMENT
OR SECTION OR 1/4 SECTION CORNER AS DESCRIBED
1" DIA. IRON PIPE FOUND (UNLESS OTHERWISE NOTED)
1" DIA. IRON PIPE, 18" LONG-SET (UNLESS OTHERWISE NOTED)
BOLLARD
SOIL BORING/MONITORING WELL
FLAGPOLE
MAILBOX
SIGN
BILLBOARD
AIR CONDITIONER
CONTROL BOX

TRAFFIC SIGNAL
RAILROAD CROSSING SIGNAL
CABLE PEDESTAL
POWER POLE
GUY POLE
GUY WIRE
LIGHT POLE
SPOT/YARD/PEDESTAL LIGHT
HANDICAPPED PARKING
ELECTRIC MANHOLE
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GAS VALVE
GAS METER
GAS WARNING SIGN

STORM MANHOLE
ROUND INLET
SQUARE INLET
STORM SEWER END SECTION
SANITARY MANHOLE
SANITARY CLEANOUT / SEPTIC VENT
SANITARY INTERCEPTOR MANHOLE
MISCELLANEOUS MANHOLE
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WATER SURFACE
WETLANDS FLAG
MARSH
CONIFEROUS TREE
DECIDUOUS TREE
SHRUB

EDGE OF TREES
SANITARY SEWER
STORM SEWER
WATERMAIN
MARKED GAS MAIN
MARKED ELECTRIC
OVERHEAD WIRES
BUREAU ELEC. SERV.
MARKED TELEPHONE
MARKED CABLE TV LINE
MARKED FIBER OPTIC
780 EXIST CONTOUR ELEVATION
× 780.55 EXIST SPOT ELEVATION
EXISTING PROPERTY LINE
EXISTING EASEMENT LINE

EROSION CONTROL PLAN KEY

STONE TRACKING PAD AND TIRE WASHING (WDNR TECH. STANDARD 1057)
NON-CHANNEL EROSION MAT (WDNR TECH. STANDARD 1052)
INLET PROTECTION, TYPE-D (WDNR TECH. STANDARD 1060)
SILT FENCE (WDNR TECH. STANDARD 1056)
TEMPORARY CONCRETE WASHOUT FACILITY

GENERAL PLAN SYMBOLS

APPROXIMATE LIMITS OF DISTURBANCE
PROPOSED DRAINAGE FLOW ARROW
780 CONTOUR - PROPOSED
780 CONTOUR - EXISTING

PLAN NOTES

1. STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE. STABILIZE AS INDICATED IN THE LEGEND.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING COPIES OF ALL PERMITS. CONTRACTOR IS RESPONSIBLE FOR ABIDING BY ALL PERMIT REQUIREMENTS AND RESTRICTIONS.
3. ALL INSTALLATION AND MAINTENANCE OF EROSION CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE APPLICABLE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR) TECHNICAL STANDARD.
4. ALL EROSION CONTROL FACILITIES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT AND WARRANTY PERIOD IN CONFORMANCE WITH THE DNR WPDES GENERAL PERMIT.
5. ALL EROSION AND SEDIMENTATION CONTROL PRACTICES SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24 HOUR PERIOD. NEEDED REPAIRS WILL BE MADE IMMEDIATELY.
6. ALL DISTURBED GROUND LEFT INACTIVE FOR FOURTEEN DAYS OR MORE SHALL BE STABILIZED WITH TOPSOIL, SEED, AND MULCH IN ACCORDANCE WITH THE WDNR TECHNICAL STANDARDS 1059 AND 1058.
7. TEMPORARY SEED MIXTURE SHALL CONFORM TO 630.2.1.5.1.4 OF THE WISDOT STANDARD SPECIFICATIONS. USE WINTER WHEAT OR RYE FOR FALL PLANTINGS STARTED AFTER SEPTEMBER 1.
8. DISTURBED AREAS THAT CANNOT BE STABILIZED WITH A DENSE GROWTH OF VEGETATION BY SEEDING AND MULCHING DUE TO TEMPERATURE OR TIMING OF CONSTRUCTION, SHALL BE STABILIZED BY APPLYING ANIONIC POLYACRYLAMIDE (PAM) IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1050.
9. SEDIMENT WILL BE REMOVED FROM BEHIND THE SILT FENCE WHEN IT REACHES HALF THE HEIGHT OF THE FENCE. THE SILT FENCE SHALL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER.
10. ALL WATER FROM CONSTRUCTION DEWATERING SHALL BE TREATED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1061 PRIOR TO DISCHARGE TO WATERS OF THE STATE, WETLANDS, OR OFFSITE.
11. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION. ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED. DEPENDING ON HOW THE CONTRACTOR GRADES THE SITE, IT MAY BE NECESSARY TO INSTALL TEMPORARY SEDIMENT TRAPS IN VARIOUS LOCATIONS THROUGHOUT THE PROJECT. TEMPORARY SEDIMENT TRAPS SHALL BE DESIGNED, INSTALLED, AND MAINTAINED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1063.
12. ANY SEDIMENT TRACKED ONTO A PUBLIC OR PRIVATE ROAD SHOULD BE REMOVED BY STREET CLEANING, NOT FLUSHING, BEFORE THE END OF EACH WORKING DAY.
13. DUST CONTROL SHALL BE PROVIDED AS NECESSARY IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1068.
14. FINAL STABILIZATION OF LANDSCAPED AREAS SHALL BE IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLAN.
15. ALL SEEDED AREAS WILL BE FERTILIZED, RESEEDED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS IN THE APPROVED LANDSCAPE PLAN TO MAINTAIN A VIGOROUS DENSE VEGETATIVE COVER.
16. IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES AS NEEDED WITH SILT FENCE OR OTHER PERIMETER CONTROL IF STOCKPILES WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.
17. IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER. BETWEEN SEPTEMBER 15 AND OCTOBER 15: STABILIZE WITH MULCH, TACKIFIER, AND A PERENNIAL SEED MIXED WITH WINTER WHEAT, ANNUAL OATS, OR ANNUAL RYE, AS APPROPRIATE FOR REGION AND SOIL TYPE OCTOBER 15 THROUGH COLD WEATHER: STABILIZE WITH A POLYMER AND DORMANT SEED MIX, AS APPROPRIATE FOR REGION AND SOIL TYPE.
18. MAKE PROVISIONS FOR WATERING DURING THE FIRST 8 WEEKS FOLLOWING SEEDING OR PLANTING OF DISTURBED AREAS WHENEVER MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR.
19. INSTALL ADDITIONAL EROSION MAT PER WDNR TECHNICAL STANDARD 1053 AS NECESSARY TO COVER ALL UNPAVED DISTURBED AREAS WITH FINAL SLOPES EQUAL TO OR STEEPER THAN 6H:1V UNLESS SPECIFIED OTHERWISE.
20. INLET PROTECTION SHALL BE INSTALLED AT ALL EXISTING AND PROPOSED INLETS RECEIVING RUNOFF FROM THE DISTURBED AREA. THE CONTRACTOR SHALL INSPECT AND MAINTAIN INLET PROTECTION THROUGHOUT CONSTRUCTION AND REMOVE ACCUMULATED SEDIMENT AS NECESSARY.

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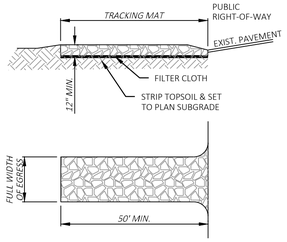
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SHEET
C450

EROSION CONTROL PLAN



CONSIDERATIONS:

1. *TIRE WASHING AND TRACKING PAD TO CONFORM TO WDNR CONSERVATION PRACTICE STANDARD 1057.*
2. *VEHICLES TRAVELING ACROSS THE TRACKING PAD SHOULD MAINTAIN A SLOW CONSTANT SPEED.*
3. *THE BEST APPROACH TO PREVENTING OFF-SITE TRACKING IS TO RESTRICT VEHICLES TO STABILIZED AREAS.*
4. *IT IS ALWAYS PREFERABLE TO PREVENT SEDIMENT FROM BEING DEPOSITED UPON THE ROAD THAN CLEANING THE ROAD LATER. SEDIMENT ON A ROAD CAN CREATE A SAFETY HAZARD AS WELL AS A POLLUTION PROBLEM.*
5. *ANY SEDIMENT TRACKED ONTO A PUBLIC OR PRIVATE ROAD SHOULD BE REMOVED BY STREET CLEANING, NOT FLUSHING, BEFORE THE END OF EACH WORKING DAY .*

NOTES:

A. TRACKING PAD:

1. *THE TRACKING PAD SHALL BE INSTALLED PRIOR TO ANY TRAFFIC LEAVING THE SITE.*
2. *THE AGGREGATE FOR THE TRACKING PAD SHALL BE HARD, DURABLE, ANGULAR STONE OR RECYCLED CONCRETE MEETING THE GRADATION OF TABLE 1 OF THE WISCONSIN DNR TECHNICAL STANDARD 1057. WHERE THIS GRADATION IS NOT AVAILABLE, MEET THE GRADATION IN WISCONSIN DEPARTMENT OF TRANSPORTATION (DOT) 2018 STANDARD SPECIFICATION, SECTION 312, SELECT CRUSHED MATERIAL.*
3. *THE AGGREGATE SHALL BE PLACED IN A LAYER AT LEAST 12 INCHES THICK. ON SITES WITH A HIGH WATER TABLE, OR WHERE SATURATED CONDITIONS ARE EXPECTED DURING THE LIFE OF THE PRACTICE, STONE TRACKING PADS SHALL BE UNDERLAIN WITH A WISDOT TYPE R GEOTEXTILE FABRIC TO PREVENT MIGRATION OF UNDERLYING SOIL INTO THE STONE.*
4. *THE TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT. THE TRACKING PAD SHALL BE A MINIMUM OF 50 FEET LONG.*
5. *SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY FROM TRACKING PADS OR CONVEYED UNDER AND AROUND THEM BY USING A VARIETY OF PRACTICES, SUCH AS CULVERTS, WATER BARS, OR OTHER SIMILAR PRACTICES.*

B. TIRE WASHING:

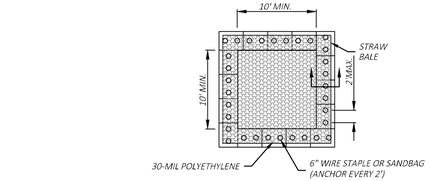
IF CONDITIONS ON THE SITE ARE SUCH THAT THE SEDIMENT IS NOT REMOVED FROM VEHICLE TIRES BY THE TRACKING PAD, THEN TIRES SHALL BE WASHED UTILIZING PRESSURIZED WATER BEFORE ENTERING A PUBLIC ROAD.

1. *THE WASHING STATION SHALL BE LOCATED ON SITE ON AN AREA THAT IS STABILIZED AND DRAINS INTO A SUITABLE SEDIMENT TRAPPING OR SETTLING DEVICE.*
2. *THE WASH RACK SHALL CONSIST OF A HEAVY GRATING OVER A LOWERED AREA. THE RACK SHALL BE STRONG ENOUGH TO SUPPORT THE VEHICLES THAT WILL CROSS IT.*

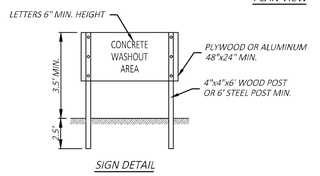
C. MAINTENANCE

1. *ROCKS LODGED BETWEEN THE TIRES IF DUAL WHEEL VEHICLES SHALL BE REMOVED PRIOR TO LEAVING THE CONSTRUCTION SITE.*
2. *TRACKING PADS AND TIRE WASHING STATIONS SHALL, AT AT MINIMUM, BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24-HOUR PERIOD.*
3. *THE TRACKING PAD PERFORMANCE SHALL BE MAINTAINED BY SCRAPING OR TOP-DRESSING WITH ADDITIONAL AGGREGATE.*
4. *A MINIMUM 12-INCH THICK PAD SHALL BE MAINTAINED.*

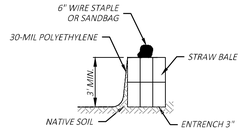
STONE TRACKING PAD AND TIRE WASHING
(NOT TO SCALE)



PLAN VIEW



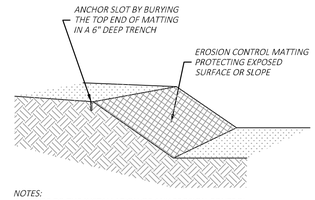
SIGN DETAIL



LINER ANCHOR
STRAW BALE ANCHOR SECTIONS

NOTES:
1. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
2. FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.
3. EACH STRAW BALE IS TO BE STAKED IN PLACE USING (2) 2"x2"x4' WOODEN STAKES.

TEMPORARY CONCRETE WASHOUT FACILITY - STRAW BALE
(NOT TO SCALE)



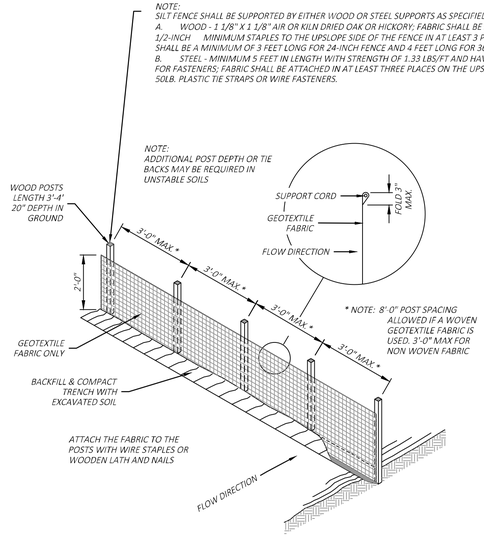
NOTES:
1. PRIOR TO THE INSTALLATION OF ANY EROSION CONTROL MATTING, ALL ROCKS, DIRT CLODS, STUMPS, ROOTS, TRASH AND ANY OTHER OBSTRUCTIONS WHICH WOULD PREVENT THE MAT FROM LAYING IN DIRECT CONTACT WITH THE SOIL SHALL BE REMOVED.
2. EROSION CONTROL MATTING SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 628 OF THE WISCONSIN DOT STANDARD SPECIFICATIONS, DNR TECHNICAL STANDARD 1052 (NON CHANNEL APPLICATIONS), DNR TECHNICAL STANDARD 1053 (CHANNEL APPLICATIONS), AND LATEST MANUFACTURER SPECIFICATIONS, ESPECIALLY NOTING REQUIRED STAPLE PATTERNS AND ANCHOR TRENCH REQUIREMENTS.
3. INSTALLATION PROCEDURES MUST INSURE THAT THE MAT WILL REMAIN IN CONTACT WITH THE SOIL.
4. THE MATTING SHALL BE ANCHORED PER MANUFACTURER REQUIREMENTS
5. THE MATTING SHALL BE ANCHORED TO THE GROUND PER MANUFACTURER REQUIREMENTS.
6. MATTED AREAS MUST BE INSPECTED ON A WEEKLY BASIS, AND AFTER EACH SIGNIFICANT RAINFALL. BARE SPOTS, MISSING OR LOOSENED MATTING MUST BE IMMEDIATELY REPLACED AND/OR RE-ANCHORED.
7. FOR CHANNEL APPLICATIONS, EXTEND MAT UPSLOPE ONE-FOOT MINIMUM VERTICALLY FROM DITCH BOTTOM OR SIX-INCHES HIGHER THAN DESIGN FLOW, WHICHEVER IS GREATER.

EROSION CONTROL MATTING
(NOT TO SCALE)

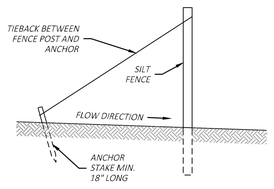
NOTES:
1. *SILT FENCE INSTALLATION AND MATERIALS SHALL CONFORM TO WDNR CONSERVATION STANDARD 1056*
2. *SILT FENCE SHALL BE PLACED ON THE CONTOUR AND NOT PERPENDICULAR TO THE CONTOUR. THE ENDS SHALL BE EXTENDED UPSLOPE TO PREVENT WATER FROM FLOWING AROUND THE ENDS OF THE FENCE.*
3. *WHEN SILT FENCE IS INSTALLED ON A SLOPE, THE PARALLEL SPACING SHALL NOT EXCEED THE REQUIREMENTS IN THE TABLE BELOW:*

SLOPE	*FENCE SPACING*
< 2%	*100 FEET*
2 TO 5%	*75 FEET*
5 TO 10%	*50 FEET*
10 TO 33%	*25 FEET*
> 33%	*20 FEET*

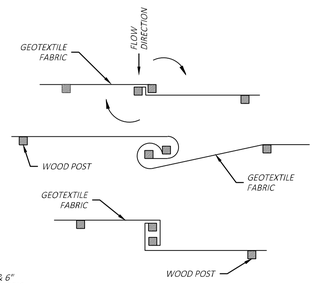
4. *INSTALLED SILT FENCES SHALL BE MINIMUM 14 INCHES HIGH AND A MAXIMUM OF 28 INCHES IN HEIGHT MEASURED FROM THE INSTALLED GROUND ELEVATION.*
5. *A MINIMUM OF 20 INCHES OF THE POST SHALL EXTEND INTO THE GROUND AFTER INSTALLATION.*
6. *SILT FENCE SHALL BE ANCHORED BY SPREADING AT LEAST 8 INCHES OF THE FABRIC IN A 4-INCH TRENCH WIDE BY 6-INCH DEEP TRENCH, OR 6-INCH V-TRENCH ON THE UPSLOPE SIDE OF THE FENCE. TRENCH SHALL BE BACKFILLED AND COMPACTED. TRENCHES SHALL NOT BE EXCAVATED WIDER THAN NECESSARY FOR PROPER INSTALLATION.*
7. *CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS:*
   - *A) TWIST METHOD--OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES.*
   - *B) HOOK METHOD--HOOK THE END OF EACH SILT FENCE LENGTH.*
8. *SILT FENCE SHALL AT A MINIMUM BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EACH PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24-HOUR PERIOD.*
9. *DAMAGED OR DECOMPOSED FENCES, UNDERCUTTING, OR FLOW CHANNELS AROUND THE END OF BARRIERS SHALL BE REPAIRED OR CORRECTED.*
10. *SEDIMENT SHALL BE PROPERLY DISPOSED OF ONCE THE DEPOSITS REACH ONE HALF THE HEIGHT OF THE FENCE.*
11. *SILT FENCES SHALL BE REMOVED ONCE THE DISTURBED AREA IS PERMANENTLY STABILIZED AND IS NO LONGER SUSCEPTIBLE TO EROSION.*



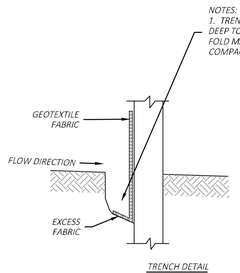
SILT FENCE
(NOT TO SCALE)



SILT FENCE TIE BACK
(WHEN ADDITIONAL SUPPORT IS REQUIRED)

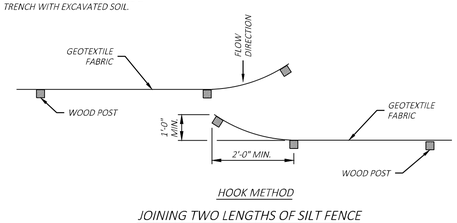


TWIST METHOD



TRENCH DETAIL

NOTES:
1. TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE

SITE PLAN DESIGNER:

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Performance Services

EAST TROY TRANSPORTATION BUILDING
2021 West St, East Troy, WI 53120

PSI PROJECT NO.	30D-K24-3839
DATE:	05/11/26
DRAWN BY:	SMB
CHECKED BY:	BLH

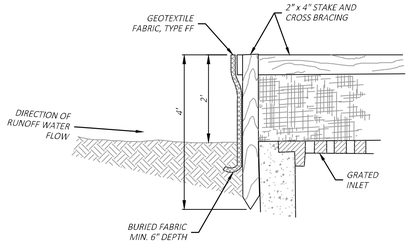
REVISIONS

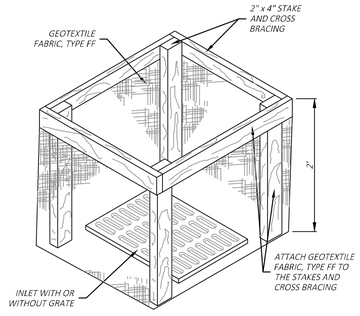
No.	DATE	DESCRIPTION
	05-11-2026	CONSTRUCTION SET
	07-01-2026	SITE PLAN REVISIONS

CONSTRUCTION DOCUMENTS

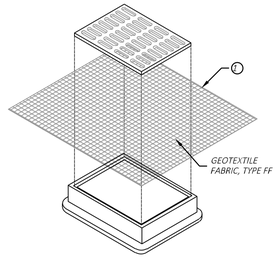
SHEET
C500

CONSTRUCTION DETAILS

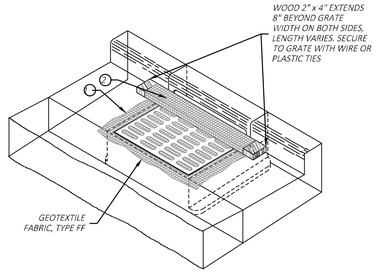




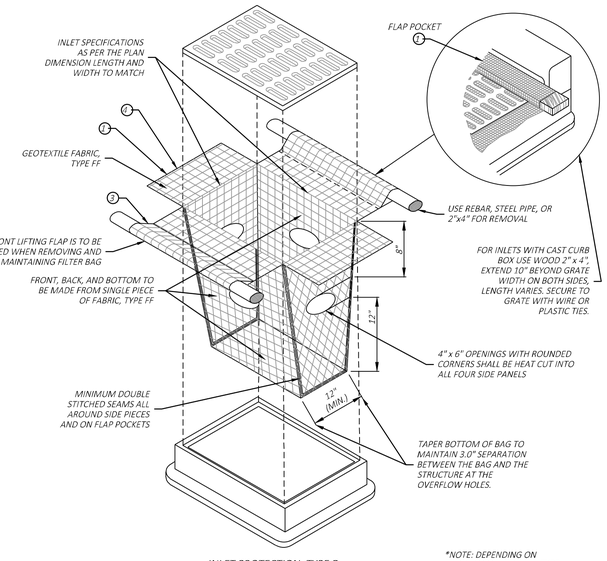
INLET PROTECTION, TYPE A



INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)
(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C
(WITH CURB BOX)



INLET PROTECTION, TYPE D
(CAN BE INSTALLED IN ANY INLET TYPE WITH OR WITHOUT A CURB BOX AS PER NOTE 2)

*NOTE: DEPENDING ON EXPOSED SOIL TEXTURE, TYPE D-M OR TYPE D-HR INLET PROTECTION MAY BE USED IN PLACE OF TYPE D.

1. FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
2. FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
3. FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4. THE REBAR, STEEL PIPE, OR WOOD SHALL BE INSTALLED IN THE REAR FLAP AND SHALL NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING.
4. SIDE FLAPS SHALL BE A MAXIMUM OF 2" LONG. FOLD THE FABRIC OVER AND REINFORCE WITH MULTIPLE STITCHES.

GENERAL NOTES:

INLET PROTECTION DEVICES SHALL CONFORM TO WDNR CONSERVATION PRACTICE STANDARD 1060 AND BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE WISDOT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED IF ALLOWED BY ENGINEER.

TYPE A IS TO BE USED PRIOR TO PAVING AND INSTALLATION OF CURB AND GUTTER, AND TYPES B, C, AND D ARE TO BE USED AFTER PAVING IS PLACED.

TYPE A SHALL BE USED AROUND INLETS AND UNPAVED AREAS UNTIL PERMANENT STABILIZATION METHODS HAVE BEEN ESTABLISHED.

TYPE B SHALL BE USED AFTER THE CASTING AND GRATE ARE IN PLACE, ON INLETS WITHOUT A CURB BOX WHEN TYPE D INLET DEVICES CANNOT BE USED.

TYPE C SHALL BE USED AFTER THE CASTING AND GRATE ARE IN PLACE, ON STREET INLETS WITH CURB HEADS.

TYPE D SHALL BE USED IN AREAS WHERE OTHER TYPES OF INLET PROTECTION ARE INCOMPATIBLE WITH ROADWAY AND TRAFFIC CONDITIONS (I.E. POSSIBLE SAFETY HAZARD IF PONDING OCCURS), OR WHERE MORE EFFECTIVE INLET FILTERING IS NEEDED.

TAPER BOTTOM OF BAG TO MAINTAIN 3" OF CLEARANCE BETWEEN THE BAG AND THE STRUCTURE, MEASURED FROM THE BOTTOM OF THE OVERFLOW OPENINGS TO THE STRUCTURE WALL.

GEOTEXTILE FABRIC TYPE FF FOR FLAPS, TOP AND BOTTOM OF OUTSIDE OF FILTER BAG. FRONT, BACK, AND BOTTOM OF FILTER BAG BEING ONE PIECE.

INSTALLATION NOTES:

TYPE B & C:
TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D:
DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

MAINTENANCE:

REMOVE INLET PROTECTION DEVICES ONCE THE CONTRIBUTING DRAINAGE AREA IS STABILIZED WITH APPROPRIATE VEGETATION OR IMPERVIOUS SURFACE.

INLET PROTECTION SHALL BE, AT A MINIMUM, INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24-HOUR PERIOD.

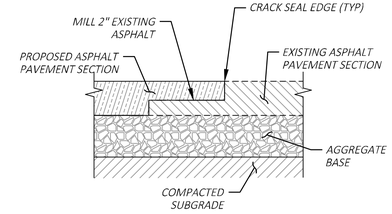
FOR TYPE A, B OR C INLET PROTECTION, SEDIMENT DEPOSITS SHALL BE REMOVED AND THE INLET PROTECTION DEVICE RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED BETWEEN 1/3 TO 1/2 THE DESIGN DEPTH OF THE DEVICE, OR WHEN THE DEVICE IS NO LONGER FUNCTIONING AS DESIGNED.

FOR TYPE D INLET PROTECTION (INCLUDING D-M AND D-HR), REMOVE SEDIMENT WHEN SEDIMENT ACCUMULATES TO WITHIN 6" OF THE BOTTOM OF THE OVERFLOW HOLES, OR WHEN STANDING WATER REMAINS WITHIN 6" OF THE BOTTOM OF THE OVERFLOW HOLES 24 HOURS AFTER A RUNOFF EVENT. HOLES IN THE TYPE FF FABRIC MAY BE REPAIRED BY STITCHING IF LESS THAN 2" IN LENGTH, BUT THE FABRIC SHOULD BE REPLACED IF THE HOLES ARE GREATER THAN 2" IN LENGTH IN THE TYPE FF FABRIC OR IF THERE ARE ANY HOLES IN THE TYPE HR FABRIC. THE FILTER MUST ALSO BE REPLACED IF THE FLAP POCKETS SUSTAIN DAMAGE THAT COMPROMISES FILTER INTEGRITY OR THE ABILITY TO PERFORM MAINTENANCE.

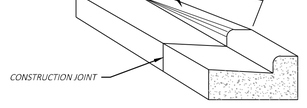
REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND STABILIZED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, DUE CARE SHALL BE TAKEN TO ENSURE SEDIMENT DOES NOT FALL INTO THE INLET AND IMPEDE THE INTENDED FUNCTION OF THE DEVICE. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

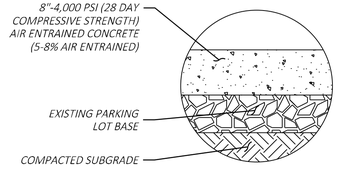
STORM DRAIN INLET PROTECTION
(NOT TO SCALE)



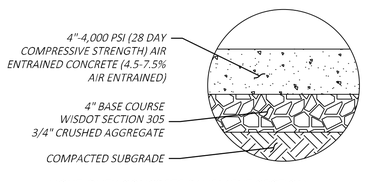
EXISTING/PROPOSED ASPHALT TRANSITION
(NOT TO SCALE)



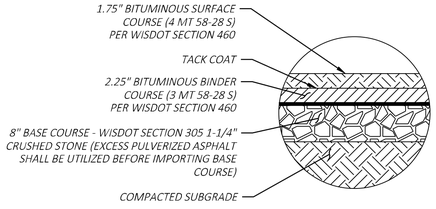
CURB HEAD TAPER DETAIL
(NOT TO SCALE)



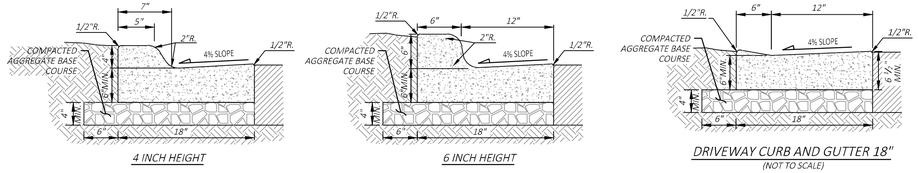
HEAVY-DUTY CONCRETE PAVEMENT SECTION
(NOT TO SCALE)



LIGHT-DUTY CONCRETE PAVEMENT SECTION
(NOT TO SCALE)

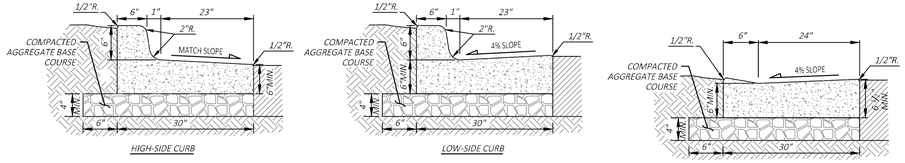


ASPHALT PAVEMENT SECTION
(STANDARD DUTY)
(NOT TO SCALE)



4 INCH HEIGHT
6 INCH HEIGHT
DRIVEWAY CURB AND GUTTER 18"
(NOT TO SCALE)

18" CONCRETE CURB & GUTTER DETAIL
(NOT TO SCALE)



HIGH-SIDE CURB
LOW-SIDE CURB
DRIVEWAY CURB AND GUTTER 30"
(NOT TO SCALE)

30" CONCRETE CURB & GUTTER DETAIL
(NOT TO SCALE)

SITE PLAN DESIGNER:

raSmith
ENGINEERING | SURVEYING | PLANNING
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Appleton, WI 54911-5754
(920) 733-1499
rasmith.com

raSmith Project No.: 2245402

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EAST TROY TRANSPORTATION BUILDING
2021 West St, East Troy, WI 53120

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DATE:	05/11/26
DRAWN BY:	SMB
CHECKED BY:	BLH

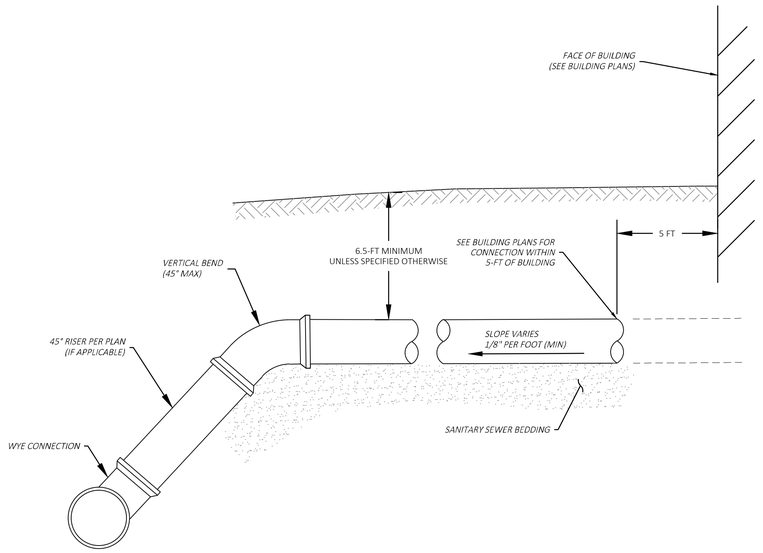
REVISIONS

No.	DATE	DESCRIPTION
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	07-01-2026	SITE PLAN REVISIONS

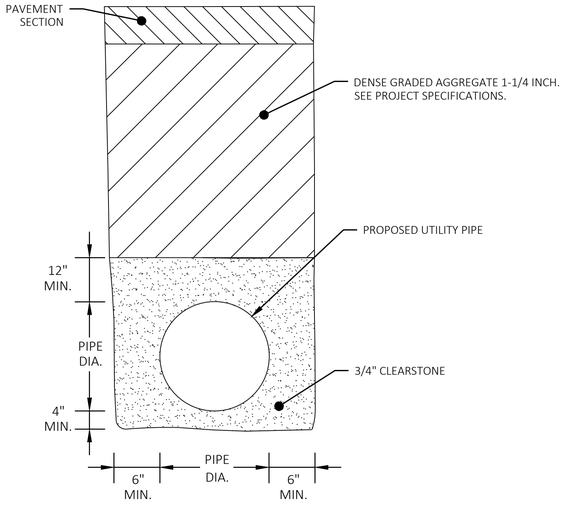
CONSTRUCTION DOCUMENTS

SHEET
C501

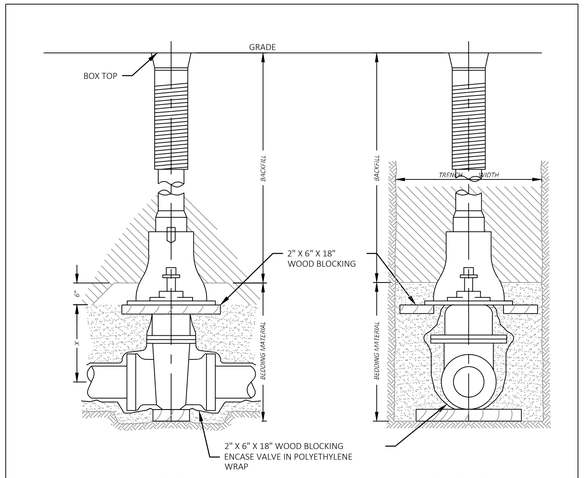
CONSTRUCTION DETAILS



SANITARY SERVICE DETAIL
(NOT TO SCALE)



TYPICAL TRENCH SECTION
(NOT TO SCALE)



SIDE VIEW

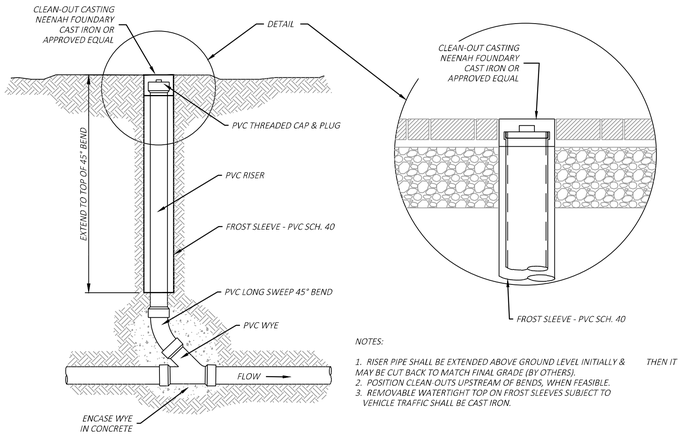
FRONT VIEW

PIPE DIA. INCHES	X=SETTING INCHES
2	6
3	7
4	8
6	12
8	13
10	17
12	21
16	30

REF: CHAP. 4.8.0

STANDARD GATE VALVE
BOX SETTING

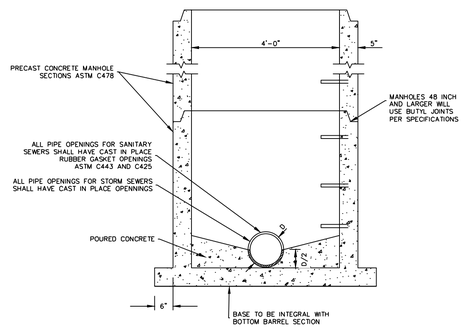
NOT TO SCALE | FILE NO. 37



NOTES:

1. RISER PIPE SHALL BE EXTENDED ABOVE GROUND LEVEL INITIALLY & THEN IT MAY BE CUT BACK TO MATCH FINAL GRADE (BY OTHERS).
2. POSITION CLEAN-OUTS UPSTREAM OF BENDS, WHEN FEASIBLE.
3. REMOVABLE WATERTIGHT TOP ON FROST SLEEVES SUBJECT TO VEHICLE TRAFFIC SHALL BE CAST IRON.

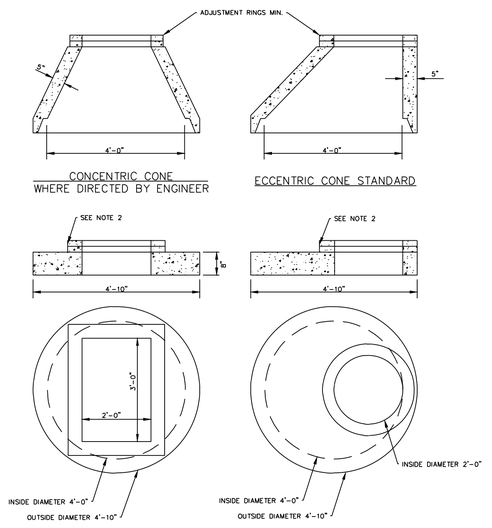
CLEAN-OUT STRUCTURE DETAIL
(NOT TO SCALE)



NOTE:

1. THE TOP ADJUSTING RING (MINIMUM OF 2" AND MAXIMUM OF 3") ON ALL MANHOLES AND INLETS THAT FALL WITHIN THE PAVEMENT SHALL BE RUBBER RISER RINGS.
2. ASPHALT STREET:
   - MIN. 2-2" ADJUSTMENT RINGS, BOTTOM RING CONCRETE AND THE TOP RING RUBBER.

   CONCRETE STREET:
   - MINIMUM 2" RUBBER RING ON TOP WITH CONCRETE VIBRATED UNDER RUBBER RING OR AN ADDITIONAL 2" CONCRETE RING.



48" DIA. INLET STRUCTURE
(NOT TO SCALE)

SITE PLAN DESIGNER:

raSmith
CREATIVITY THROUGH ENGINEERING
100 West Grantsburg Street, Suite 305
Appleton, WI 54911-5754
(920) 733-1499
www.rasmith.com

raSmith Project No.: 2245402

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EAST TROY TRANSPORTATION BUILDING
2021 West St, East Troy, WI 53120

PSI PROJECT NO.	30D-K24-3839
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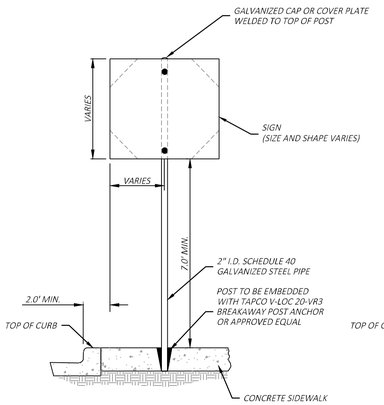
REVISIONS

No.	DATE	DESCRIPTION
	05-11-2026	CONSTRUCTION SET
	07-01-2026	SITE PLAN REVISIONS

CONSTRUCTION DOCUMENTS

SHEET
C502

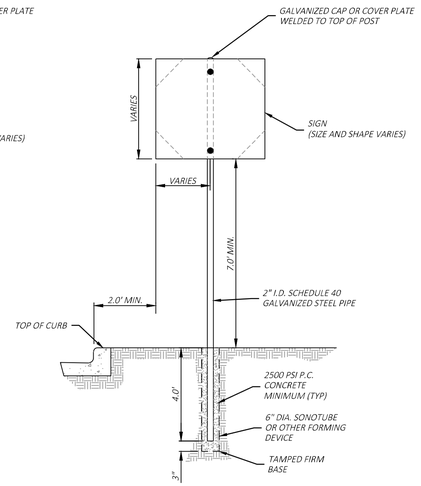
CONSTRUCTION DETAILS



SIGN AND POST INSTALLATION - TYPE 1

FOR ALL SIGNS WITHIN THE CURB AROUND THE BUILDING

(NOT TO SCALE)



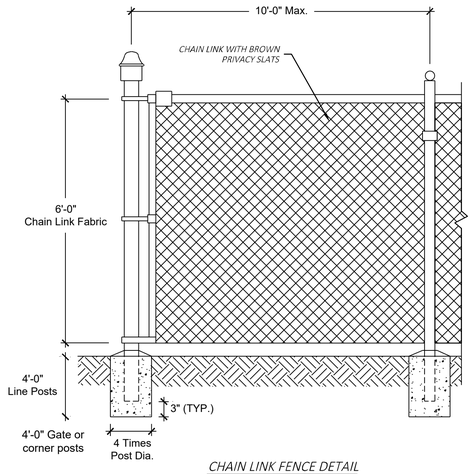
SIGN AND POST INSTALLATION - TYPE 2

FOR ALL SIGNS ON SITE, OUTSIDE THE BUILDING CURB

(NOT TO SCALE)

NOTES:

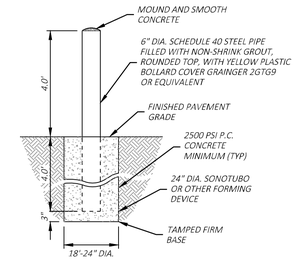
1. ALL SIGNS SHALL BE MOUNTED TO POSTS BY MEANS OF 5/16" BOLTS. HOLES 3/8" IN DIAMETER, DRILLED THROUGH BOTH SIDES OF POSTS PRIOR TO SIGN INSTALLATION.
2. ALL POST SHALL HAVE A GALVANIZED CAP OR COVER PLATE WELDED TO TOP OF POST.



CHAIN LINK FENCE DETAIL

(NOT TO SCALE)

Contractor shall submit shop drawings to engineer for approval of the size, type, and gauge of materials that will be used for construction of a chain link fence prior to construction.



BOLLARD DETAIL

(NOT TO SCALE)

SITE PLAN DESIGNER:
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raSmith Project No.: 2245402

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CONSTRUCTION DOCUMENTS

SHEET
C503

CONSTRUCTION DETAILS

WE RECYCLE

Nice Transmitters Era One & Inti

Era One

2 and 4-channel transmitters with visor clip
Ideal and sleek design solution to control multi-user systems





ON2E/A



Visor clip standard on both ON2E/A and ON4E/A



ON4E/A



Inti Transmitters

The colorful line of 2-channel miniaturized transmitters,
available in six colors. Ideal for multi-user systems



Ergonomic



Scratch-resistant coating



INTI2Y/A



INTI2R/A



INTI2L/A



INTI2G/A



INTI2B/A



INTI2/A

Self-learning and built-in proximity receiver with 72 bit O-Code encoding. 433.92 MHz rolling code transmitters with management of Identity Codes and Certificates.

Increase security using data processing and recognition systems that increase its degree of security and deliver a threefold reduction in automation response times.

Easy memorization using a transmitter already programmed in the receiver

Model	Description
ON2E/A	Era One Transmitter, 2 channels, 433.92 MHz
ON4E/A	Era One Transmitter, 4 channels, 433.92 MHz
INTI2Y/A	Inti Transmitter, 2 channels, 433.92 MHz, Yellow
INTI2R/A	Inti Transmitter, 2 channels, 433.92 MHz, Red
INTI2L/A	Inti Transmitter, 2 channels, 433.92 MHz, Lilac
INTI2G/A	Inti Transmitter, 2 channels, 433.92 MHz, Green
INTI2B/A	Inti Transmitter, 2 channels, 433.92 MHz, Blue
INTI2/A	Inti Transmitter, 2 channels, 433.92 MHz, Black

Transmitter Technical Specifications

Model	Carrier frequency	Estimated range	Encoding	Power supply	Battery life	Protection class	Dimensions and weight
ON2E/A ON4E/A	433.92 MHz	Outdoor: 656 ft (200 m) Inside building:115 ft (35 m)*	O-Code 72 bit; rolling code**	3VDC; type CR2032 lithium battery	2 years (with 10 transmissions per day)	IP40 (use in protected environments)	1.7w x 2.1d x 0.4h inch 0.02 lb
INTI2/A all colors	433.92 MHz	Outdoor: 492 ft (150 m); Inside building: 98 ft (30 m)*	O-Code 72 bit; rolling code**	3VDC; type CR2032 lithium battery	2 years (with 10 transmissions for day)	IP40 (use in protected environments)	1.2w x 2.2d x 0.3h inch 0.03 lb

* Transmitter range and receiver reception capacity may be affected by any devices operating on the same frequency in the area.
** Not compatible with European products.

Nice HySecurity®

800-321-9947 • www.hysecurity.com
Manufacturer of ultra-reliable rural/ranch, residential, commercial, solar, and parking gate operators and accessories.

D0825 082919

Nice Receivers OXI/A & 318N

OXI/A Receiver

Multi-channel plug in receiver, compatible with 936, 1050 and XBA3 boards. Advanced features with Era One and Inti Transmitters.

Management: Receivers can receive and memorize up to 1000 codes/transmitters.

Memorization: An unique receiver output can be associated to each transmitter key.

Versatile: Receiver outputs can be customized through board programming to perform several different functions.

These receivers are not compatible with Homelink®



OXI/A Receiver multi-channel plug in

318N Receiver

2-channel receiver with normally open relay contacts.

Management: Receivers can receive and memorize up to 63 codes/transmitters.

Memorization: An unique receiver output can be associated to each transmitter key.

Versatile: Operating voltage is 12/24V AC/DC

These receivers are not compatible with Homelink®



318N Universal receiver

Code	Description
OXI/A	Receiver; 4 channels, 433.92 MHz, 1000 code memory
318N	Receiver, 2 channels, 433.92 MHz, 63 code memory

Receiver Technical Specifications

Model	Reception frequency	Decoding	Number of channels	Power supply	Absorption	Relay contact	Dimensions
318N	433.92 MHz	Digital 52 bit	2	12 - 24V AC/DC	15 mA	Normally Open	3.8w x 1.6d x 0.9h inch
OXI/A	433.92 MHz	Digital 52 Bit	15 - 1050/XBA3 board 2 - 936 board	n/a	30 mA (max)	--	1.9w x 0.7d x 1.7h inch

SYSTEM DESIGN SUPPORT: Contact Nice/HySecurity for help with custom site requirements, CAD drawings, tech manuals or other specifications support.

VISIT WWW.HYSECURITY.COM for installation manuals, parts diagrams, wiring diagrams, specifications, image gallery, videos, training and much more.

Nice HySecurity®

Contact Nice/HySecurity for an operator/parts distributor near you.
phone 253-867-3700 | 800-321-9947
www.hysecurity.com | sales@hysecurity.com

D0825 082919

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raSmith Project No.: 2245402

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CHECKED BY: BLH

REVISIONS

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CONSTRUCTION DOCUMENTS

SHEET
C550

GATE DETAILS

WE RECYCLE

SlideSmart DC™ HD





Heavy duty. Commercial.

Quick and easy install

Long life slide gate operator with best in class controller and battery backup.

- Move up to 3,000 lb/50 ft gate
- HD15F moves your gate fast
- Rodent proof heavy duty enclosure
- Intelligent charging system, monitors battery condition to maximize battery life
- Keep your gate moving after power loss: up to 4,000 ft/standard batteries and 25,000 ft/extended batteries
- Easy system troubleshooting with onboard event log
- Field Programmable to specific site requirements
- Easily retrofit similar profile operators out-of-the-box
- Real time system security alerts with optional HyNet™ Gateway
- 5 year warranty



Optional base extension and retrofit adapter

Family Traits

- Best in class Smart DC™ controls
- 24VDC with battery backup
- Seamless operation with HySecurity accessories
  - HyNet™
  - Hy5B™
- 5 year warranty

Distinctive Features

- For BIG gates up to 3,000 lb
- Sturdy steel enclosure
- Side mount posts
- Fast model available



Nice 7251/7351 Residential



SlideSmart CNX Commercial



SlideSmart HD Commercial/Industrial



SlideDriver Industrial

SITE PLAN DESIGNER:
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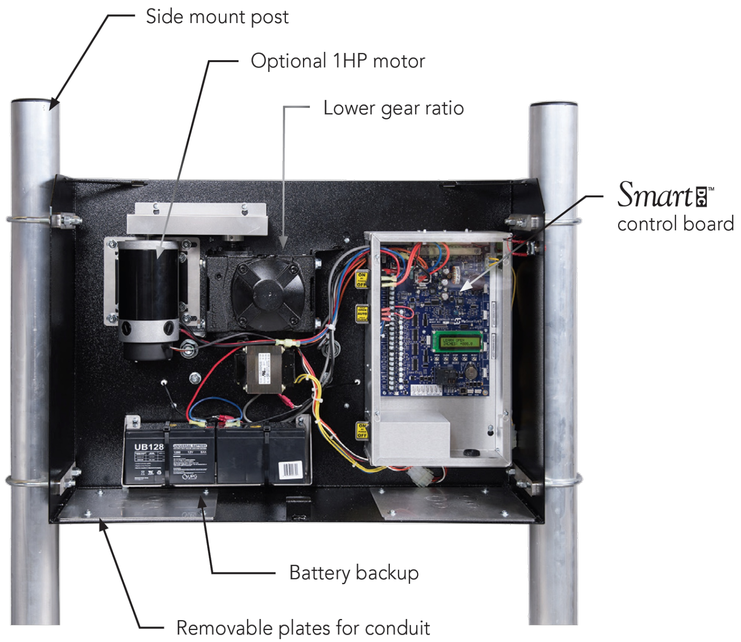
CONSTRUCTION DOCUMENTS

SHEET
C552

GATE DETAILS

WE RECYCLE

Battery Backup. Low maintenance.





MADE IN THE USA WITH GLOBAL MATERIALS

Residential and Commercial

SYSTEM DESIGN SUPPORT: Contact Nice/HySecurity for help with custom site requirements, CAD drawings, tech manuals or other specifications support.

VISIT HYSECURITY.COM for installation manuals, parts diagrams, wiring diagrams, specifications, image gallery, videos, training and much more.



Slide Gate Operator

3 SlideSmart™ HD Models

	FAST		
Model	**SlideSmart DC HD15F**	**SlideSmart DC HD25**	**SlideSmart DC HD30**
Gate Weight Max.	1,500 lb (680 kg)	2,500 lb (1,134 kg)	3,000 lb (1,361 kg)
Gate Length Max.	50 ft (15 m)		
Pull Force*	300 lb	450 lb	500 lb
Rate of Travel	1.75, 2 or 2.25 ft/s (53, 61 or 69 cm/s) Open/Close speed set independently	0.75, 1 or 1.25 ft/s (23, 30 or 38 cm/s) Open/Close speed set independently	
Duty Cycle	Continuous		
Horsepower	1 hp	1/2 hp	1 hp
Drive	Electromechanical		
UPS Battery Backup Cycles †	Field configurable to fail open or secure when batteries deplete. **Standard battery backup gate travel:** Two 8Ah batteries. Up to 4,000 ft (1,219 m) after AC power loss. **Extended battery backup gate travel:** Two 50Ah batteries. Up to 25,000 ft (7,620 m) after AC power loss.		
Temperature Rating	-13° to 158° F (-25° to 70° C)		
Operating Voltage	24VDC		
Input Voltage	115V or 208-230V, 60/50 Hz		
Accessory Power	12VDC and 24VDC 1A each		
Communication	USB, RS-232, RS-485. Ethernet/fiber using optional HyNet™ Gateway accessory		
User Controls	Smart DC Controller with 70+ configurable settings. 32 character LCD display and 5 tact buttons or a PC using S.T.A.R.T. software.		
Relays	Two configurable user relays: 30VDC, 3A solid state and 250VAC, 10A electromechanical; Optional Hy8Relay™ for 8 additional relay outputs		
Finish	Zinc rich primer and black powder coated steel cover/chassis		
ETL Listed (UL 325)	Usage Class III, IV***	Usage Class I, II, III, IV**	
Cycle Tested	500,000 cycles		
Warranty	5 year w/product registration	5 year (7 year single-family residential) w/product registration	

* HySecurity manufacturers only reliable and powerful gate operators and provides an extra margin of power to be certain the gate works in adverse conditions. Some manufactures overstate the length and weight capacity of their operators, but HySecurity rates conservatively. Note that our pull force ratings are substantial and that extra margin of power is part of the HySecurity reputation for reliability.

** Speed setting cannot be configured to exceed 1 ft/s for Class I and II usage.

***Not for residential use or applications intended to serve the general public.

† The actual number of gate cycles available from battery depends upon gate resistance to travel, cycle length, battery size, state of charge and health, ambient temperature, accessory power draw and frequency of gate cycles during power outage.

To enable fully automatic operation, all SLIDE gate operators require a minimum of TWO monitored external entrapment protection sensors (one for each direction) to protect entrapment zones in both the open and close direction of travel. Visit www.hysecurity.com/gatesafety for more information on UL 325 standards and gate safety.

Optional Accessories - See website for complete list



Battery Backup Kit - 50 Ah



Base Extension & Retrofit Adapter



HD Heater Kit



Hy5B™ 2.0 Vehicle Detector



Hy8Relay™ Module



HyNet™ Gateway Integration



Photo Eye Kits



ASO Edge Sensors

Nice

Contact Nice | HySecurity for an operator/parts distributor near you.
phone 253-867-3700 | 800-321-9947
hysecurity.com | sales@hysecurity.com

Intertek D0893 130719

SITE PLAN DESIGNER:
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100 West Evergreen Street, Suite 305
Appleton, WI 54911-5754
(920) 733-5499
www.rasmith.com
raSmith Project No.: 2245402

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2021 West St, East Troy, WI 53120

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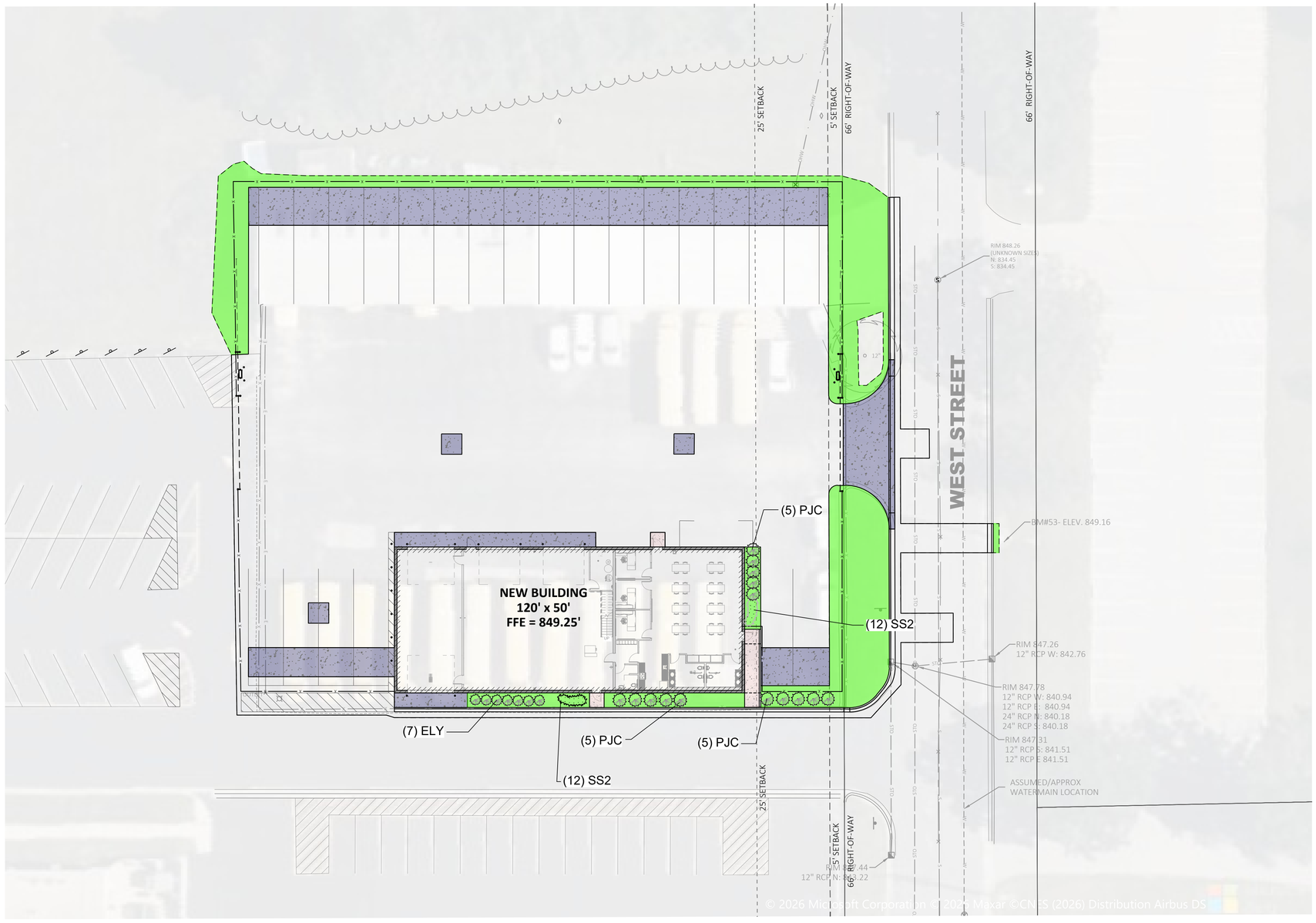
REVISIONS

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CONSTRUCTION DOCUMENTS

SHEET
C553

GATE DETAILS



PLANTING SCHEDULE

CODE	QTY	COMMON NAME	BOTANICAL NAME	INSTALLED SIZE	ROOT	SPACING	MATURE SIZE	REMARKS
EVERGREEN SHRUBS								
PJC	15	Kallay Compact Pfitzer Juniper	Juniperus chinensis 'Kallays Compact'	18" SPD	CONT	Spacing as shown	2' x 5'	
ELY	7	Everlow Yew	Taxus x media 'Everlow'	15" HT	B&B	Spacing as shown	1.5' x 5'	
ORNAMENTAL GRASSES								
SS2	24	The Blues Little Bluestem	Schizachyrium scoparium `The Blues`	1 GAL	CONT	18" Spacing	2.5' x 1.5'	

N

GRAPHIC SCALE
10 0 10 20 40
(IN FEET)

Know what's **below.**
Call before you dig.

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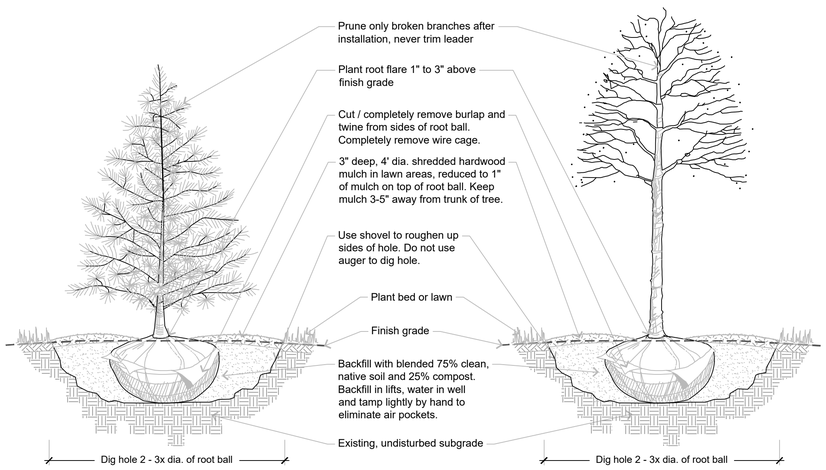
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CONSTRUCTION DOCUMENTS

SHEET
L100

LANDSCAPE PLAN

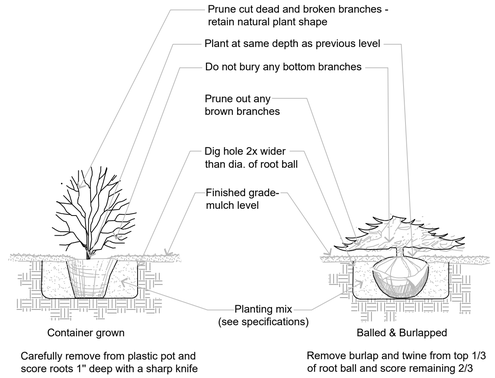
PLANTING DETAILS



1 TREE PLANTING DETAIL

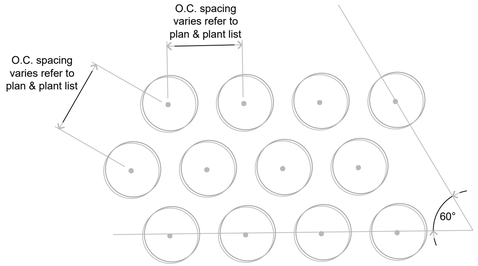
NOT TO SCALE

P-PL-TREE-07



2 SHRUB PLANTING DETAIL

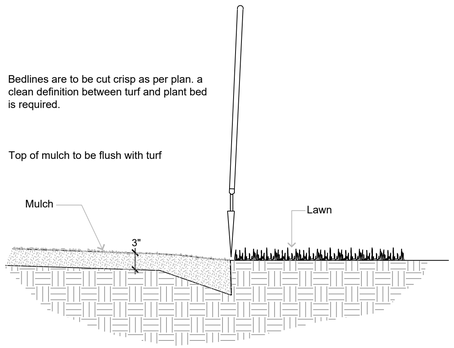
NOT TO SCALE



3 PLANTING LAYOUT

NOT TO SCALE

P-PL-PLO-01



4 SHOVEL CUT PLANT BED EDGING DETAIL

NOT TO SCALE

P-PL-BDEG-01

GENERAL LANDSCAPE NOTES

1. Contractor responsible for contacting public and private underground utility locating service to have site marked prior to any digging or earthwork.
2. Contractor to verify all plant quantities shown on plant list and verify with plan. Report any discrepancies immediately to general contractor.
3. All plantings shall comply with standards as described in American Standard of Nursery Stock - ANSI Z60.1 (latest version). General contractor or owner's representative reserves the right to inspect and potentially reject any plants that are inferior, compromised, undersized, diseased, improperly transported, installed incorrectly or damaged.
4. Any potential plant substitutions must be submitted in writing to the general contractor and approved by the owner's representative or landscape architect prior to installation. All plants must be installed as per sizes and quantities shown on plant material schedule, unless approved by the owner's representative or landscape architect. Any potential changes to sizes shown on plan and appropriate cost credits / adjustments must be submitted in writing to the general contractor and approved by the owner's representative or landscape architect prior to installation.
5. The subsequent requirements regarding topsoil should be coordinated between the general contractor, grading contractor and landscape contractor.
6. Subgrade areas shall be graded to within 1", more or less, of proposed subgrade. Deviations shall not be consistent in one direction.
7. Topsoil shall be placed to meet proposed finished grade. Planting islands to be backfilled with clean topsoil free of debris (per note below) to a minimum depth of 18" by general / grading contractor to insure long term plant health. All other landscaped areas to receive a minimum depth of 6" of clean topsoil (per note below).
8. Topsoil shall be: screened existing stockpiled topsoil, existing in-place soil, or screened soil from an off-site source that will support plant growth, and meets the following requirements. Clean topsoil shall be free of rocks, coarse fragments, gravel, sticks, trash, roots, debris over 3/4" and any substances harmful to plant growth. It also must be free of plants or plant parts of any noxious weeds. Topsoil shall contain 3 to 5 percent decomposed organic matter and a pH between 5.5 and 7.0.
9. Planting beds and parking lot islands: Landscape contractor is responsible for ensuring that unwanted material (gravel, debris, roots and other extraneous material harmful to plant growth) has been removed from the topsoil and for the fine grading of all landscaped areas. The fine grading of planting beds and parking lot islands may require additional topsoil to bring to finish grade, allowing for mulch depth. Crown all planting islands and planting beds not adjacent to buildings, a minimum of 6" to provide proper drainage, unless otherwise specified. All other finished landscaped areas to be smooth, uniform and provide positive drainage away from structures and pavement.
10. Seeded areas: to receive a settled minimum depth of 6" of blended, prepared and non-compacted topsoil. Landscape contractor is responsible for excavation and removal of unwanted material (gravel, debris, roots and other extraneous material harmful to plant growth) to the specified depth, supplementing with additional topsoil (if necessary) and the fine grading of all seeded areas.
11. Tree planting (see planting detail): plant all trees slightly higher than finished grade at root flare. Remove excess soil from top of root ball, if needed. An auger is not an acceptable method of digging tree planting holes. Scarify side walls of tree pit prior to installation. Once tree has been placed into the hole, is at the correct depth and vertical alignment and will no longer be moved; brace root ball by tamping soil around the lower portion of the root ball. Remove and discard twine / rope, burlap and support wire from the sides of root ball. Backfill pit with 75% existing soil removed from excavation and 25% compost blended prior to backfilling holes, in six-inch lifts. Lightly tamp each lift using foot pressure or hand tools to settle backfill, support the tree and eliminate voids. Do not over compact or use mechanical or pneumatic tamping equipment. Discard any gravel, heavy clay or stones. When hole has been backfilled to three-quarters of its depth, pour water around the root ball and allow to soak into soil to settle the soil. Continue backfilling until soil is brought to grade level.

    Provide a 3" deep, 4 ft. diameter shredded hardwood bark mulch ring around all trees in lawn areas, reduced to 1" deep on top of root ball. Keep mulch 3"- 5" away from trunk of tree. Trees that are installed incorrectly will be replaced at the time and expense of the landscape contractor. Trees too large for two people to lift in and out of holes, shall be placed with sling. Do not rock the trees in holes to raise them.
12. Shrub planting (see planting detail): all shrubs to be pocket planted with a mix of 75% existing soil removed from excavation and 25% compost, blended prior to backfilling holes. When hole is two-thirds full, shrubs shall be watered thoroughly and water left to soak in before proceeding.
13. Mulching: all tree and shrub planting beds to receive a 3" deep layer of high-quality shredded hardwood bark mulch (not enviromulch or wood chips). Mulch shall be uniform in size, color, quality and overall appearance. Mulch shall be free of debris, large wood chunks, soil, rocks, weeds, invasive plant parts or seeds and any other material injurious to plant growth. All perennial and ornamental grass planting areas to receive a 2" layer and groundcover areas a 1-2" layer of the same mulch. Do not mulch annual flower beds (if applicable). Do not allow mulch to contact plant stems and tree trunks.
14. Edging: edge all planting beds with a 4" deep spaded edge (shovel cut or mechanical). Bedlines are to be cut crisp, as per plan. A clean definition between lawn area and plant bed is required.
15. Plant bed preparation: the soil in all perennial, ornamental grass, annual and groundcover areas shall be amended with compost prior to plant installation. Spread a 2" layer of compost (per note below) on top of clean topsoil and rototill to a depth of approximately 8".
16. Compost shall be stable, and weed-free organic matter. It shall be resistant to further decomposition and free of compounds, such as ammonia and organic acids, in concentrations toxic to plant growth. The compost shall contain no pathogens or other chemical contaminants and meet the requirements of WisDNR S100 Compost Specification.
17. Lawn installation for all seeded turfgrass areas: remove / kill off any existing unwanted vegetation prior to seeding. Prepare the topsoil and seed bed by removing all surface stones 1" or larger and grading lawn areas to finish grade. Apply a starter fertilizer and specified seed, ensure good seed to soil contact, and provide mulch covering suitable to germinate and establish turf. Provide seed and fertilizer mix information to general contractor prior to installation. Erosion control measures are to be used in swales and on steep grades, where applicable. Methods of installation may vary at the discretion of the landscape contractor on his/her responsibility to establish and guarantee a smooth, uniform, quality turf. If straw mulch is used as a mulch covering, a tackifier may be necessary to avoid wind damage. Marsh hay containing reed canary grass is not acceptable as a mulch covering.

    An acceptable quality turf is defined as having no more than 5% of the total area with bare spots larger than 1/2 square foot and uniform coverage throughout all turf areas.
18. Seed mix type 'A' for lawn areas - use only a premium quality seed mix. Premium blend seed mix (or equivalent): 50% blended bluegrass, 25% creeping red fescue, 25% perennial rye applied at 5 lbs per 1,000 SF or at recommended rates from supplier. Provide seed specifications to general contractor prior to installation.
19. Seed mix type 'B' for slopes of stormwater basin: Wisconsin DOT No. 10 seed mix: 40% Kentucky bluegrass 98/85, 25% creeping red fescue, 20% perennial ryegrass, 10% white clover & 5% red top applied at 1.5 lbs per 1,000 SF or at recommended rates from supplier. Provide seed specifications to general contractor prior to installation. Preparation of soil to be the same as for all other seeded turf grass areas.
20. The landscape contractor is responsible for the watering and maintenance of all landscape areas at time of planting and throughout construction until the substantial completion of the installation and acceptance by the owner. This includes all trees, shrubs, evergreens, perennials, ornamental grasses, and seeded slopes and turf grass areas. Maintenance includes mowing, weeding, watering, mulching, edging, pruning, deadheading, raking leaves / debris, sweeping up grass clippings, fertilizing and maintaining turf areas (including applying pre and post emergent herbicides), and any other needs that are required to keep the landscape healthy and well maintained.
21. Substantial Completion of Landscape: after the landscape has been installed, the landscape contractor is responsible to conduct a final review with the owner's representative and the general contractor to ensure that all plans and specifications have been met. After this review, the landscape will be considered to be installed in substantial completion unless otherwise noted by the owner's representative and/or general contractor. Any items missing or incomplete, shall be corrected within 30 days. The landscape contractor shall provide written watering and maintenance instructions for the new plantings and lawn to the owner.
22. Warranty and replacements: All plants (trees, evergreens, shrubs, perennials, ornamental grasses and groundcovers) shall be warranted by the landscape contractor to be in healthy and flourishing condition for a period of one year from the date of substantial completion. This assumes the owner performs required maintenance (i.e. regular watering) after substantial completion of the landscape. Only one replacement per plant will be required during the warranty period, except for losses or replacements due to failure to comply with specified requirements. Replacements shall be plants of the same variety specified on the plan and closely match adjacent specimens in size. The landscape contractor is responsible for keeping a documented record of which plants have been replaced during the warranty period.

SITE PLAN DESIGNER:
raSmith
100 West Lawrence Street, Suite 305
Appleton, WI 54911-5754
(920) 733-5499
raSmith Project No.: 2245402

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Performance Services

EAST TROY TRANSPORTATION BUILDING
2021 West St, East Troy, WI 53120

PSI PROJECT NO.	30D-K24-3839
DATE:	05/11/26
DRAWN BY:	SMB
CHECKED BY:	BLH

REVISIONS

No.	DATE	DESCRIPTION
	05-11-2026	CONSTRUCTION SET
	07-01-2026	SITE PLAN REVISIONS

CONSTRUCTION DOCUMENTS

SHEET
L200

LANDSCAPE DETAILS & NOTES

EAST TROY TRANSPORTATION BUILDING

EAST TROY COMMUNITY SCHOOL DISTRICT

2021 West St, East Troy, WI 53120



Prepared by:

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11370-5
GLENDALE
WI
ARCHITECT

SET No.
CONSTRUCTION DOCUMENTS
03 / 27 / 2026

EAST TROY TRANSPORTATION BUILDING
350-A24-5839

DESIGNED MR

WE RECYCLE

CODE SUMMARY:
EAST TROY COMMUNITY SCHOOL DISTRICT TRANSPORTATION BUILDING, 2021 WEST ST, EAST TROY, WI 53120
VILLAGE OF EAST TROY, WALWORTH COUNTY
CLIMATE ZONE: 5A
GROUP S-1 OCCUPANCY
CONSTRUCTION TYPE II-B, UNSPRINKLERED
1 STORY, 5,700 SF
NEW CONSTRUCTION
REVIEW FOR: BUILDING, HVAC

PROJECT SUMMARY:
THIS BUILDING WILL BE USED FOR THE ADMINISTRATIVE AND STAFF OPERATIONS OF THE EAST TROY SCHOOL DISTRICT TRANSPORTATION DEPARTMENT, AS WELL AS THE MAINTAINING, REPAIRING, AND WASHING THE DISTRICT'S SCHOOL BUSES. THE BUILDING IS DIVIDED INTO TWO FIRE AREAS; A 2,113 S.F. ADMINISTRATION OFFICE (OCCUPANCY B), AND A 3,857 S.F. REPAIR GARAGE AND WASH BAY (OCCUPANCY S-1), TOTALING 5,700 S.F.

APPLICABLE CODES:
2025 WISCONSIN ADMINISTRATIVE CODE, SPS 361-366
2021 INTERNATIONAL BUILDING CODE (IBC)
2021 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
2021 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
2021 INTERNATIONAL MECHANICAL CODE (IMC)
2017 ICC / ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES (ADA)

OCCUPANCIES: S-1, B CONSTRUCTION TYPE: II-B

	ACTUAL HEIGHT (FEET)	ALLOWABLE (TABLE 504.3)	ACTUAL HEIGHT (STORIES)	ALLOWABLE (TABLE 504.4)
BUILDING HEIGHT	23	55	1	2

[X] (NS) NON-SPRINKLERED
[ ] (S1) SPRINKLERED ONE-STORY
[ ] (SM) SPRINKLERED MULTIPLE STORIES
[ ] UNLIMITED AREA
[ ] PARTIALLY SPRINKLERED, PLEASE DESCRIBE: _____
[ ] NFPA 13
[ ] NFPA 13R
[ ] NFPA 13D
[ ] NFPA 72 - FIRE ALARM

FIRE ALARM: COVERAGE: [X] COMPLETE [ ] PARTIAL [ ] NONE
TYPE:
MONITORING TYPE: [X] AUTOMATIC DETECTION [ ] MANUAL ALARM
[ ] CENTRAL STATION [ ] PROPRIETARY SUPERVISION
[ ] REMOTE SUPERVISION [ ] PROTECTED PREMISES

FRONTAGE INCREASES FROM SECTION 506.3
F = PERIMETER WHICH FRONTS A PUBLIC WAY OR OPEN SPACE HAVING 20 FEET MIN. WIDTH = 340 (F)
P = TOTAL BUILDING PERIMETER = 340 (P)
RATIO (F/P) = 1 (F/P)
W = MINIMUM WIDTH OF PUBLIC WAY (MAX. 30') = 30 OR WEIGHTED AVE. = [(L$_1$ x w$_1$) + (L$_2$ x w$_2$) + (L$_3$ x w$_3$) ...] / F = _____
I$_f$ = FRONTAGE INCREASE = [F/P - 0.25] x W/30 = 0.75

MAXIMUM BUILDING AREA FROM SECTION 506.2
A$_a$ = ALLOWABLE AREA (SQUARE FEET)
A$_t$ = TABULAR ALLOWABLE AREA FACTOR
NS = TABULAR ALLOWABLE AREA FACTOR FOR NON-SPRINKLERED BUILDING (REGARDLESS OF SPRINKLERING)
I$_f$ = AREA FACTOR INCREASE DUE TO FRONTAGE (FROM ABOVE CALCULATION)
S$_s$ = ACTUAL NUMBER OF BUILDING STORIES ABOVE GRADE PLANE (MAX. 3 FOR NS, 4 FOR SPRINKLERED)

SECTION 506.2.1 MAXIMUM BUILDING AREA FOR A SINGLE-OCCUPANCY, ONE STORY BUILDING
A$_a$ = A$_t$ + (NS x I$_f$)

SECTION 506.2.2 MIXED-OCCUPANCY, ONE STORY BUILDINGS
(OCCUPANCY 1 A$_t$ / ALLOWABLE AREA) + (OCCUPANCY 2 A$_t$ / ALLOWABLE AREA) + ... < 1.0 IS OK

SECTION 506.2.3 SINGLE-OCCUPANCY, MULTISTORY BUILDINGS
A$_a$ = [A$_t$ + (NS x I$_f$)] x S$_s$

SECTION 506.2.4 MIXED OCCUPANCY, MULTISTORY BUILDINGS
EACH STORY (3 STORY MAX.) TO INDIVIDUALLY COMPLY USING MOST RESTRICTIVE OCCUPANCY IF UNSEPARATED
IF SEPARATED: (OCCUPANCY 1 ACTUAL AREA / TABULAR ALLOWABLE AREA) + (OCC. 2 ...) + ... < 1.0 IS OK

STORY NUMBER	DESCRIPTION AND USE	BUILDING AREA PER STORY (ACTUAL)	TABLE 506.2 AREA	FRONTAGE INCREASE	ALLOWABLE AREA PER STORY OR UNLIMITED
1	S-1: REPAIR GARAGE	5,700	17,500	0.75	30,625

508.2 MAIN OCCUPANCY: S-1 ACCESSORY OCCUPANCY: B
508.3.3 UNSEPARATED OCCUPANCIES _____ AND _____
TABLE 508.4 REQUIRED SEPARATION OF OCCUPANCIES _____ AND _____
TABLE 509: LIST INCIDENTAL USES: _____

TABLE 601 FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FT)	RATING PROVIDED	DESIGN SOURCE FOR RATED ASSEMBLY (ex. UL #)
PRIMARY STRUCTURAL FRAME		0	
BEARING WALLS: EXTERIOR		0	
BEARING WALLS: INTERIOR		0	
NON-BEARING INTERIOR WALLS		0	
FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS		0	
ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS		0	

EXTERIOR WALL FIRE-RESISTANCE RATING REQUIREMENTS BASED ON FIRE SEPARATION DISTANCE PER TABLE 705.5

FIRE SEPARATION DISTANCE	CONSTRUCTION TYPE	OCCUPANCY	USE	FIRE RATING (HOURS)
X < 5'	II-B	S-1	REPAIR GARAGE	2
5' ≤ X < 10'	II-B	S-1	REPAIR GARAGE	1
10' ≤ X < 30'	II-B	S-1	REPAIR GARAGE	0
30' < X	II-B	S-1	REPAIR GARAGE	0

PERCENTAGE OF WALL OPENING PER TABLE 705.8

ELEVATION	FIRE SEPARATION (FT)	DEGREE OF OPENINGS PROTECTION (T. 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
NORTH	1,110	UP, NS	100%	32%
WEST	360	UP, NS	100%	NONE
SOUTH	68	UP, NS	100%	13%
EAST	40	UP, NS	100%	5%

FIRE AREA RATING REQUIREMENTS FOR FIRE BARRIER OR HORIZONTAL ASSEMBLIES TABLE 707.3.10

ELEVATION	OCCUPANCY GROUP	FIRE-RESISTANCE RATING REQUIRED	FIRE RESISTANCE RATING PROVIDED
FIRST FLOOR	S-1 / B	3	3

OPENING FIRE PROTECTION ASSEMBLIES, RATINGS AND MARKINGS TABLE 716.1(2)

TYPE OF ASSEMBLY	REQ'D WALL ASSEMBLY RATING (HR)	MIN. FIRE DOOR ASSEMBLY RATING (HR)	DOOR VISION PANEL SIZE	FIRE-RATED DOOR GLAZING VISION PANEL	MIN. SIDELIGHT / TRANSOM ASS'Y RATING (HR)	FIRE-RATED GLAZ. SIDELIGHT / TRANSOM PANEL
FIRE WALLS / BARRIERS	3	3	N/A	N/A	N/A	N/A
SHAFTS	N/A	N/A	N/A	N/A	N/A	N/A
HORIZONTAL EXITS	N/A	N/A	N/A	N/A	N/A	N/A
FIRE PARTITIONS	N/A	N/A	N/A	N/A	N/A	N/A
EXT. WALLS	0 (IBC 705.5)	0	N/A	N/A	N/A	N/A
SMOKE BARRIERS	N/A	N/A	N/A	N/A	N/A	N/A

INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY TABLE 803.13

OCCUPANCY GROUP	INTERIOR EXIT STAIRWAYS / RAMPS / PASSAGEWAYS	CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS / RAMPS	ROOMS AND ENCLOSED SPACES
S-1	B	B	C

OCCUPANT LOAD CALCULATIONS

OCCUPANCY TYPE	AREA PER FLOOR						1004.1.2 AREA / OCCUPANT	NUMBER OF OCCUPANTS	SPRINKLER REQ'D, 903.2
	BASEMENT	FIRST	SECOND	THIRD	ROOF	TOATL			
S-1		3,857					300 GROSS	13	NO
B		2,113					150 GROSS	15	NO

FLOOR LEVEL	OCCUPANT LOAD PER FLOOR	EGRESS REQUIRED 1005.3 (INCHES)		EGRESS PROVIDED	
		STAIR (1005.3.1)	OTHER (1005.3.2)	STAIR	OTHER
BASEMENT					
FIRST	28		5.6		128
SECOND					
THIRD					
ROOF					

NUMBER AND ARRANGEMENT OF EXITS

FLOOR, ROOM, SPACE PER STORY, INCL. BASEMENTS	MINIMUM NUMBER OF EXITS (1006)		TRAVEL DISTANCE (1017)		REMOTENESS OF EXITS OR EXIT ACCESS DOORWAYS (1007.1.1)	
	REQUIRED	ACTUAL	ALLOWABLE	ACTUAL	REQUIRED	ACTUAL
FIRST FL: S-1	2	2	200	81	45	64
FIRST FL: B	1	2	200	31	33	45

CORRIDOR FIRE-RESISTANCE RATING (TABLE 1020.1): _____ MINIMUM WIDTH (TABLE 1020.2): _____

ACCESSIBILITY

ACCESSIBLE UNIT TYPE	TOTAL UNITS	ACCESSIBLE UNITS REQUIRED		ACCESSIBLE UNITS PROVIDED	
DWELLING UNITS: TYPE A (1107)	N/A	N/A		N/A	
TYPE B (1107) (INDICATE OPT. A OR B PATH)	N/A	N/A		N/A	
ACCESSIBLE (1107)	N/A	WITH ROLL-IN SHOWER	WITHOUT ROLL-IN SHOWER	WITH ROLL-IN SHOWER	WITHOUT ROLL-IN SHOWER
		N/A	N/A	N/A	N/A
PARKING (1106)	N/A	N/A		N/A	
SELF-STORAGE (1108.3)	N/A	N/A		N/A	

PLUMBING FIXTURE REQUIREMENTS PER 2902.1

OCCUPANCY TYPE		WATER CLOSET			LAVATORY			SHOWER / TUB	DRINKING FOUNTAIN		SERVICE SINK
		M.	W.	UNI.	M.	W.	UNI.		REGULAR	ADA	
S-1	REQUIRED	0.07	0.07		0.07	0.07		--	0.01	0.01	1
	PROVIDED	0	0	1	0	0	1	1	0	0	1
	(EXISTING)	--	--	--	--	--	--	--	--	--	--
B	REQUIRED	0.3	0.3		0.2	0.2		--	0.15	0.15	1
	PROVIDED	2	2	0	2	2	0	--	0	0	1
	(EXISTING)	--	--	--	--	--	--	--	--	--	--
TOTAL		2	2	1	2	2	1	1	0	1	1

ELEVATORS AND CONVEYING SYSTEMS - CHAPTER 30

[ ] ELEVATOR [ ] ESCALATOR [ ] PLATFORM LIFT [ ] STAIRWAY CHAIRLIFT [ ] DUMBWAITER

ELEVATOR:
[ ] SIZED TO ACCOMMODATE AN UNFOLDED AMBULANCE TYPE STRETCHER? 3002.4 / SPS362.3002(1)
[ ] MEETS HIGH RISE REQUIREMENTS IN 403.6 AND 911
[ ] FIRE SERVICE ACCESS ELEVATOR REQUIRED (120') PER 403.6.1 AND 3007
[ ] SERVES AS AN OCCUPANT EVACUATION ELEVATOR PER 403.6.2 AND 3007
[ ] EQUIPPED WITH EMERGENCY STAND-BY POWER (REQUIRED OR VOLUNTARY) PER 3003
[ ] DOOR AT THE LOCATION OF A HOISTWAY ENTRANCES TO LIMIT TRANSMISSION OF SMOKE INTO / OUT OF THE HOISTWAY PER ASME A17.1, 2.11.6.3, PARTICULARLY (d) FOR THE ABILITY TO SEE THROUGH THE DOOR WITH THE ELEVATOR HOISTWAY CAR AND HOISTWAY DOORS ONLY 1/4 OPEN

ENVELOPE COMPLIANCE

[ ] UNHEATED BUILDING / SEASONAL OCCUPANCY
[ ] ALTERATION, NO MODIFICATION TO BUILDING ENVELOPE
[X] COMcheck / REScheck ATTACHED: [X] IECC 2021 [ ] ASHRAE 90.1-2019
[ ] PRESCRIPTIVE (COMPLETE CHART BELOW): [ ] IECC 2021 [ ] ASHRAE 90.1-2019
[ ] OTHER, PLEASE DESCRIBE: _____

PROJECT LOCATION: COUNTY: WALWORTH ZONE: [X] 5A [ ] 6A
OCCUPANCY GROUP: [ ] R [X] OTHER: S-1 / B

STRUCTURAL DESIGN

RISK CATEGORY: [ ] I [X] II [ ] III [ ] IV

LIVE LOADS
ROOF: 20
FLOOR: 100
MEZZANINE: 125

GROUND SNOW LOAD: 25

WIND LOAD
BASIC WIND SPEED: 107 ULTIMATE, 83 NOMINAL
EXPOSURE CATEGORY: C
DESIGN WIND LOAD: 22.7 MWFRS PARALLEL TO RIDGE

ASSUMED SOIL BEARING PRESSURE: 2,000 PSF
[ ] > 3,000 PSF; PROVIDE SOILS REPORT

SEISMIC DESIGN CATEGORY: B

MECHANICAL SUMMARY

THERMAL ZONE: B
WINTER DRY BULB: -10° F
SUMMER DRY BULB: 89° F
SUMMER WET BULB: 77° F

INTERIOR DESIGN CONDITIONS
WINTER DRY BULB: 70° F
SUMMER DRY BULB: 75° F
RELATIVE HUMIDITY: 50%

BUILDING HEATING LOAD: 690 MBH
BUILDING COOLING LOAD: 10 Tons

MECHANICAL SPACING CONDITIONING SYSTEM **REFER TO MECHANICAL SCHEDULES; M501, M502**
UNITARY: DESCRIPTION OF UNIT: _____
HEATING EFFICIENCY: _____
COOLING EFFICIENCY: _____
SIZE CATEGORY OF UNIT: _____

BOILER: SIZE CATEGORY: _____
IF OVERSIZED, STATE REASON: _____

CHILLER: SIZE CATEGORY: _____
IF OVERSIZED, STATE REASON: _____

LIST EQUIPMENT EFFICIENCIES: **REFER TO MECHANICAL SCHEDULES; M501, M502**

SPECIFICATION DATA

REFERENCE SECTIONS FROM THE IBC and SPS 362

SPS 361: Administration and Enforcement

Chapter 2: Definitions

REPAIR GARAGE:
A building, structure or portion thereof used for servicing or repairing motor vehicles.

Chapter 3: Use and Occupancy Classification

304.1 Business Group B

311.2 Moderate-Hazard Storage, Group S-1
Motor vehicle *repair garages* complying with the maximum allowable quantities of *hazardous materials* specified in Table 307.1(1) (see Section 406.8)

Chapter 4: Special Detailed Requirements Based on Use and Occupancy

406.8 Repair garages
Repair garages shall be constructed in accordance with the *International Fire Code* and Sections 406.2 and 406.8.

406.8.3 Automatic sprinkler system
A *repair garage* shall be equipped with an *automatic sprinkler system* in accordance with Section 903.2.9.1.

Chapter 5: General Building Heights and Areas

Chapter 6: Types of Construction

Chapter 7: Fire and Smoke Protection Features

707.3.10 Fire Areas
The *fire barriers*, *fire walls*, *horizontal assemblies* or combinations thereof separating a single occupancy into different *fire areas* shall have a *fire-resistance rating* of not less than that indicated in Table 707.3.10. The *fire barriers*, *fire walls*, *horizontal assemblies* or combinations thereof separating *fire areas* of mixed occupancies shall have a *fire-resistance rating* of not less than the highest value indicated in Table 707.3.10 for the occupancies under consideration.

Chapter 8: Interior Finishes

Chapter 9: Fire Protection Systems

901.7 Fire areas
Where buildings, or portions thereof, are divided into *fire areas* so as not to exceed the limits established for requiring a *fire protection system* in accordance with this chapter, such *fire areas* shall be separated by *fire walls* constructed in accordance with Section 706, *fire barriers* constructed in accordance with Section 707, or *horizontal assemblies* constructed in accordance with Section 711, or a combination thereof having a *fire-resistance rating* of not less than that determined in accordance with Section 707.3.10.

903.2.9.1 Repair garages
An *automatic sprinkler system* shall be provided throughout all buildings used as *repair garages* in accordance with Section 406, as shown:
4. A Group S-1 *fire area* used for the repair of commercial motor vehicles where the *fire area* exceeds 5,000 square feet.

Chapter 10: Means of Egress

1017.2 Limitations
Exit access travel distance shall not exceed the values given in Table 1017.2.
Occupancy: S-1 Without Sprinkler System (Feet): 200
Occupancy: B Without Sprinkler System (Feet): 200

Chapter 11: Accessibility

Chapter 12: Interior Environment

Chapter 13: Energy Efficiency

Chapter 14: Exterior Walls

Chapter 15: Roof Assemblies and Rooftop Structures

Chapter 16: Structural Design

Refer to sheets S001, S002, and Structural Calculations Package.

Chapter 18: Soils and Foundations

Chapter 19: Concrete

Chapter 20: Aluminum

Chapter 21: Masonry

Chapter 22: Steel

Chapter 23: Wood

Chapter 24: Glass and Glazing

Chapter 25: Gypsum Board, Gypsum Panel Products and Plaster

Chapter 26: Plastic

Chapter 27: Electrical

Chapter 28: Mechanical Systems

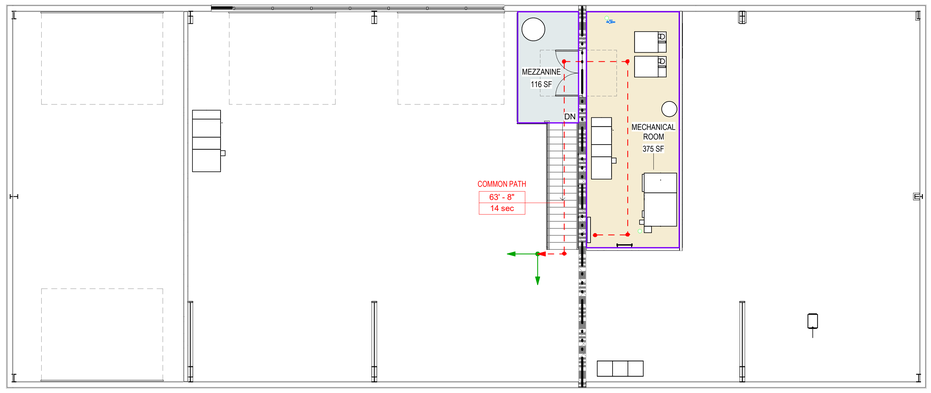
Refer to sheets M000 through M502 and specifications under Division 23.

Chapter 29: Plumbing Systems

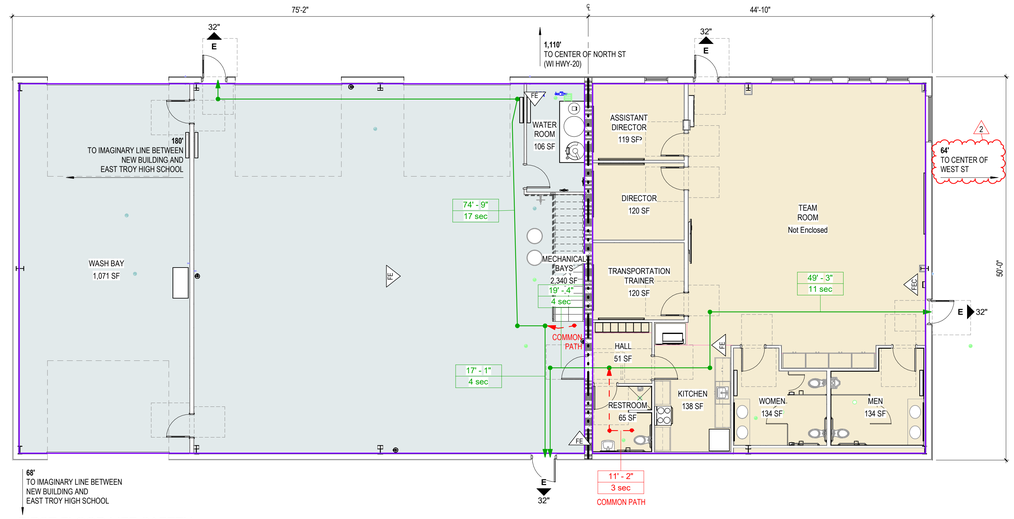
2902.6 Small Occupancies.
Drinking fountains shall not be required for an *occupant load* of 15 or fewer.

FIRE AREAS	
NAME	AREA
FIRE AREA 1	
FIRST FLOOR	2,093 SF
MEZZANINE	372 SF
	2,465 SF
FIRE AREA 2	
FIRST FLOOR	3,555 SF
MEZZANINE	115 SF
	3,670 SF

FIRE AREA 1
FIRE AREA 2



FIRST FLOOR MEZZANINE LIFE SAFETY PLAN
2 1/8" = 1'-0" REF.3/ A200



FIRST FLOOR LIFE SAFETY PLAN
1 1/8" = 1'-0" REF.3/ A200

SYMBOL LEGEND

	EXISTING AREA TO REMAIN
FEC	FIRE EXTINGUISHER CABINET
DISTANCE / TIME	EXIT ACCESS
DISTANCE / TIME	COMMON PATH OF EGRESS TRAVEL
E 32"	EXIT

WALL RATINGS:

	NON RATED WALL
3-HR	3-HR. FIRE RATED WALL

EAST TROY COMMUNITY SCHOOL DISTRICT

WISCONSIN
JASON M RAITEN
11370-5
GLENDALE
ARCHITECT
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New Construction of
EAST TROY TRANSPORTATION BUILDING
2021 West St. East Troy, WI 53120

EAST TROY COMMUNITY SCHOOLS
DESIGN BUILD

PSI PROJECT NO.	30D-K24-3839
DATE:	03 / 27 / 2026
DRAWN BY:	DAB
CHECKED BY:	JMR

No.	DATE	DESCRIPTION
2	Date 3 05-11-2026	Revision 3 CONSTRUCTION SET

REVISIONS

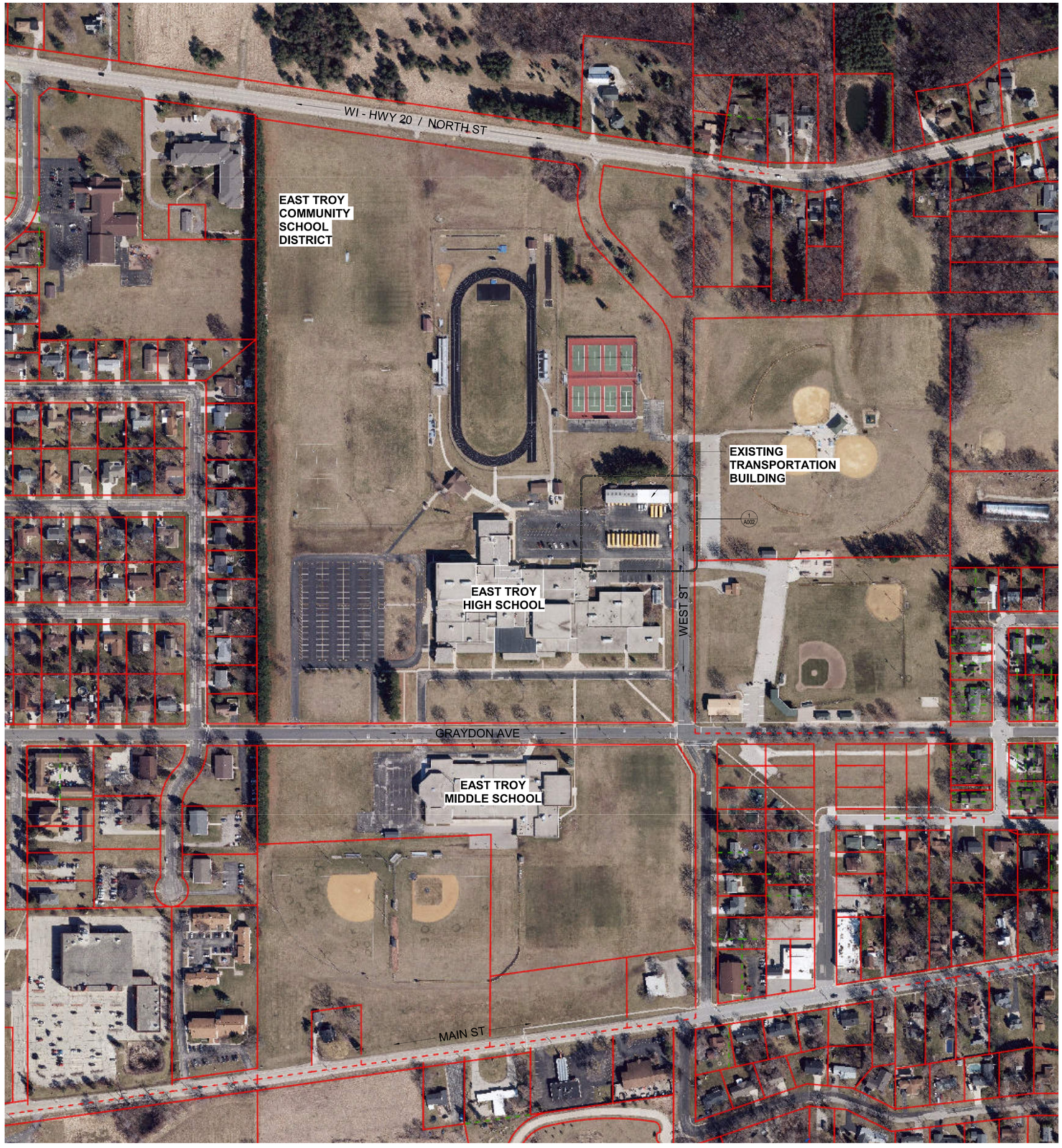
CONSTRUCTION DOCUMENTS

SHEET
G002

FIRST FLOOR LIFE SAFETY PLAN

6/29/2026 12:29:45 PM
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WE RECYCLE



1 OVERALL SITE PLAN
1/4" = 1'-0" REF.3/ A200

EAST TROY
COMMUNITY SCHOOL DISTRICT

WISCONSIN
JASON M RAITEN
11370-5
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WI
ARCHITECT

SIGNATURE

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New Construction of
EAST TROY TRANSPORTATION BUILDING
2021 West St, East Troy, WI 53120

EAST TROY COMMUNITY SCHOOLS
DESIGN BUILD

PSI PROJECT NO.	30D-K24-3839
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CHECKED BY:	JMR

No.	DATE	DESCRIPTION
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REVISIONS

CONSTRUCTION DOCUMENTS

SHEET
A001

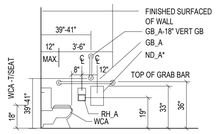
OVERALL SITE PLAN

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ACCESSORIES MOUNTING LEGEND

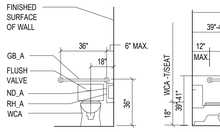
WATER CLOSETS AND ACCESSORIES

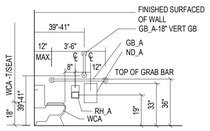
* NAPKIN DISPOSAL MAY BE MOUNTED ON OPPOSITE WALL. SEE PLAN FOR LOCATION



WCA -WATER CLOSET
GB_A -GRAB BAR
RH_A -TOILET ROLL HOLDER
ND_A -SANITARY NAPKIN DISPOSAL

AMBULATORY ADULT ADA STALL

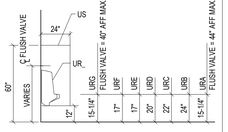




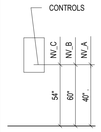
WCA -WATER CLOSET
GB_A -GRAB BAR
RH_A -TOILET ROLL HOLDER
ND_A -SANITARY NAPKIN DISPOSAL

ADULT ADA STALL

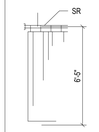
RESTROOM FIXTURES AND ACCESSORIES



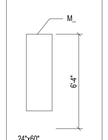
UR_ - URINAL, US - URINAL SCREEN



NV - NAPKIN VENDOR

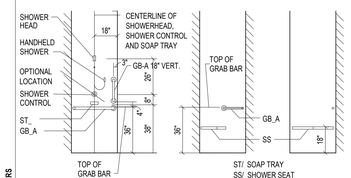


SR - SHOWER ROD W/ CURTAIN

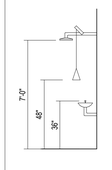


M - MIRROR

SHOWERS

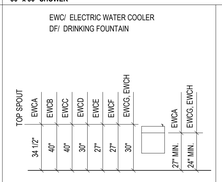


36" x 36" SHOWER



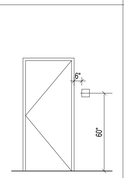
EMERGENCY EYEWASH & SHOWER

DRINKING FOUNTAINS



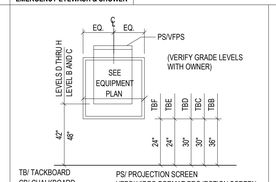
ELECTRIC WATER COOLERS
DRINKING FOUNTAINS

INTERIOR SIGN



INTERIOR SIGN

DISPLAY BOARDS/PROJECTION SCREENS

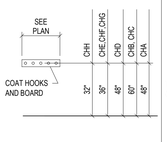


TB/ TACKBOARD
CB/ CHALKBOARD
MB/ MARKERBOARD

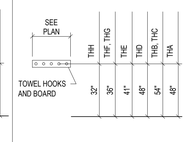
PS/ PROJECTION SCREEN
VFPS/ VIDEO FORMAT PROJECTION SCREEN
MMB/ MULTI MEDIA DISPLAY BOARD

DISPLAY BOARDS/PROJECTION SCREENS

OTHER MISC. EQUIPMENT



CH -COAT HOOKS AND BOARD



TH - TOWEL HOOKS AND BOARD

MOUNTING HEIGHT NOTES:

1. MOUNTING HEIGHTS INDICATED ABOVE ARE BASED UPON TOILET ACCESSORIES SUPPLIED BY BOBRICK WASHROOM EQUIPMENT, INC. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE MOUNTING HEIGHTS OF TOILET ACCESSORIES SUPPLIED BY OTHER MANUFACTURERS.
2. MOUNTING HEIGHT DRAWING INDICATES A TWO PIECE GRAB BAR. GRAB BAR MAY BE A ONE PIECE OR A TWO PIECE GRAB BAR. REFER TO SPECIFICATIONS FOR SPECIFIC TYPE OF GRAB BAR TO BE USED.
3. UNDERSCORE (_): REFER TO ENLARGED PLANS FOR MISSING NUMBER IDENTIFYING THE SPECIFIC TYPE OF TOILET ACCESSORY

SAMPLE TOILET ACCESSORY LABELING

RH1A

RH	INDICATES TOILET ACCESSORY NAME (RH =TOILET ROLL HOLDER)
1	INDICATES TOILET ACCESSORY TYPE WHEN MORE THAN ONE TYPE IS SPECIFIED (IF NO NUMBER IS USED, ONLY ONE TYPE IS SPECIFIED)
A	INDICATES THE GRADE LEVEL, WHICH DETERMINES THE MOUNTING HEIGHT
WCA	INDICATES PLUMBING FIXTURE AT MOUNTING HEIGHT "A". REFER TO PLUMBING DRAWINGS FOR PLUMBING FIXTURE SCHEDULE

GRADE LEVEL LEGEND

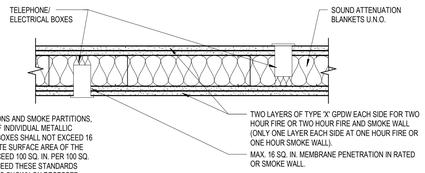
A	ADULT ACCESSIBLE (ADA) HEIGHTS (GRADES 7 AND ABOVE)
B	GRADES 9 AND ABOVE (ADULTS)
C	GRADES 7-8
D	GRADES 4-6
E	GRADES 1-3
F	PRESCHOOL-KINDERGARTEN
G	CHILDREN'S ACCESSIBLE (ADA) HEIGHTS (K-6)
H	CHILDREN'S ACCESSIBLE (ADA) HEIGHTS (PRESCHOOL)

ARCHITECTURAL SYMBOLS LEGEND

ROOM TAG
NORTH ARROW
WALL TYPE
PLAN NOTE (SHEET TYPE-SPECIFIC)
DEMOLITION PLAN NOTE
WINDOW / LOUVER AND FRAME TAG
ELEVATION NOTE
REVISION NOTE
KEY NOTE (NOTATION, SPECIFICATION SECTION)
DOOR NUMBER TAG (RATING, REMARKS/VOLTAGE, HARDWARE SET, DOOR TYPE)
CORNER GUARD
WALL PROTECTION
FIRE EXTINGUISHER CABINET
WALL TO REMAIN
WALL TO BE DEMOLISHED
NEW WALLS
EXISTING DOOR TO REMAIN
EXISTING DOOR AND FRAME TO BE PARTIAL OR FULLY DEMOLISHED
NEW DOOR AND FRAME
DETAIL REFERENCE (INDICATES SIMILAR DETAIL)
EXTERIOR ELEVATION
INTERIOR ELEVATION
BUILDING SECTION
PARTIAL SECTION
WALL SECTION
SECTION DETAIL
DRAWING TITLE (1/8" = 1'-0" SCALE)
DATUM POINT (HEIGHT, CONSTRUCTION)
COLUMN GRID NEW

MATERIAL HATCH LEGEND

CONCRETE MASONRY
CLAY MASONRY
STONE MASONRY
CONCRETE
GRAVEL
EARTH
GYPSUM
STEEL
PLYWOOD
HARDWOOD
BOARD INSULATION
INSULATION - BATT/LOOSE
SPRAY FOAM
WOOD BLOCKING
WOOD SHIM
ALUMINUM



NOTE:
IN ALL RATED PARTITIONS AND SMOKE PARTITIONS, THE SURFACE AREA OF INDIVIDUAL METALLIC OUTLETS OR SWITCH BOXES SHALL NOT EXCEED 16 SQ. IN. THE AGGREGATE SURFACE AREA OF THE BOXES SHALL NOT EXCEED 100 SQ. IN. PER 100 SQ. FT. BOXES WHICH EXCEED THESE STANDARDS SHALL BE RECESSED AS SHOWN ON RECESSED METAL WALL CABINETS DETAIL.

ELECTRICAL/TELEPHONE BOXES IN RATED AND/OR SMOKE WALLS

NOT TO SCALE

NOTE: REFER TO FLOOR PLANS FOR LOCATION OF CONSTRUCTION PARTITION

INTERIOR WALL NAMING CONVENTION

S 4 A. a a

SUBSTRATE / FRAME / BACKUP

S = STEEL STUD
W = WOOD STUD
M = MASONRY (CMU)
F = FURRING (STEEL U.N.O.)
H = SHAFT WALL (STEEL U.N.O.)

NOMINAL SUBSTRATE WIDTH

(REFER TO WALL TYPE FOR SUBSTRATE WIDTH)

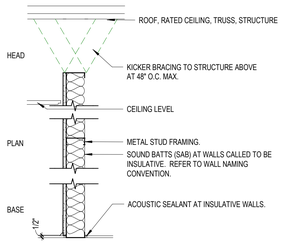
WALL CHARACTERISTIC MODIFIER (OPTIONAL)

1HR = 1 HR FIRE RATED
2HR = 2 HR FIRE RATED
1SB = 1 HR SMOKE BARRIER
2SB = 2 HR SMOKE BARRIER
SP = SMOKE PARTITION
x = SOUND INSULATIVE

INDICATES STRUCTURE AND FINISH HEIGHTS

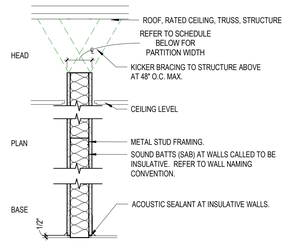
A = STRUCTURE TO DECK, FINISH TO DECK.
B = STRUCTURE TO DECK, DRYWALL BOTH SIDES, FINISH ONE SIDE TO DECK.
C = STRUCTURE AND FINISH TO STOP ABOVE CEILING
D = DRYWALL ONE SIDE, STRUCTURE AND FINISH TO ABOVE CEILING
E = DRYWALL ONE SIDE, STRUCTURE TO DECK, FINISH TO DECK
P = PARTIAL WALL HEIGHT
U = STRUCTURE AND FINISH TO UNDERSIDE OF CEILING

(REFER TO WALL TYPES FOR ADDITIONAL INFORMATION)



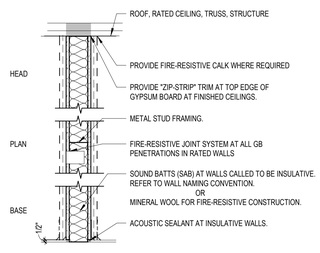
'S#D.x'

WALL	WIDTH		FIRE RATING	UL LISTING	STC	STC TEST
	PART	CORE				
S3D	2 1/4"	2 1/2"	NON-RATED	N/A	36	TL09-576
S4D	4 1/4"	3 5/8"	NON-RATED	N/A	27	NRC #66 1968



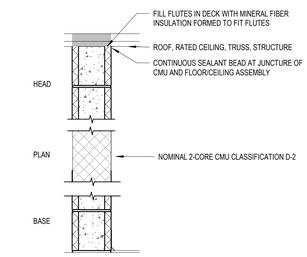
'S#C.x'

WALL	WIDTH		FIRE RATING	UL LISTING	STC	STC TEST
	PART	CORE				
S4C	4 7/8"	3 5/8"	NON-RATED	N/A	40	NGC 2013004
S4C.x	4 7/8"	3 5/8"	NON-RATED	N/A	40	NGC 2013004
S6C.x	7 1/4"	6"	NON-RATED	N/A	40	NGC 2013022



'S#A.x'

WALL	WIDTH		FIRE RATING	UL LISTING	STC	STC TEST
	PART	CORE				
S4A.x	4 7/8"	3 5/8"	NON-RATED	N/A	40	NGC 2013004
S6A.x	7 1/4"	6"	NON-RATED	N/A	40	NGC 2013022



'M#A.x'

WALL	WIDTH		FIRE RATING	UL LISTING	STC	STC TEST
	PART	CORE				
M8A.3HR	11 5/8"	7 5/8"	THREE HOUR	U904	45	NCMA TEK

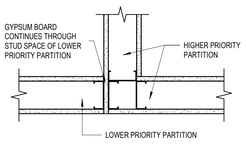
INTERIOR WALL TYPES NOTES

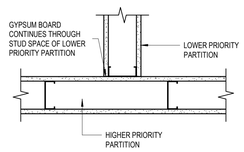
A. PROVIDE MOLD AND MOISTURE RESISTANT GYPSUM BOARD BEHIND ALL PLUMBING FIXTURES AT WALLS NOT SCHEDULED TO RECEIVE CERAMIC TILE.
B. FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS, AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING PER IBC 703.7 SUCH IDENTIFICATION SHALL INCLUDE BUT IS NOT LIMITED TO:
   a. BE LOCATED ON WALL ABOVE SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM.
   b. BE LOCATED WITHIN 15 FEET OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30 FEET MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION.
   c. INCLUDE LETTERING NOT LESS THAN 3 INCHES IN HEIGHT WITH A MINIMUM 3/8 INCH STROKE IN CONTRASTING COLOR INCORPORATING THE SUGGESTED WORKING "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS" OR OTHER WORDING.
C. REFERENCE STRUCTURAL DRAWINGS FOR LOCATIONS OF BOND BEAMS IN LOAD-BEARING, AND NON-LOAD-BEARING MASONRY WALLS.

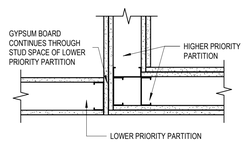
PARTITION PRIORITY LEGEND

PARTITION FIRE RATING (AS NOTED)	PRIORITY
3 HOUR FIRE BARRIER WALL	1
2 HOUR FIRE BARRIER WALL	2
1 HOUR FIRE BARRIER WALL	3
SMOKE BARRIER	4
SMOKE PARTITION	5
NON RATED PARTITION	6

PARTITION PRIORITY DIAGRAMS







EAST TROY COMMUNITY SCHOOL DISTRICT

WISCONSIN
JASON M RAITEN
11370-5
GLENDALE
ARCHITECT

SIGNATURE

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Performance Services

New Construction of
EAST TROY TRANSPORTATION BUILDING
2021 West St. East Troy, WI 53120

EAST TROY COMMUNITY SCHOOLS
DESIGN BUILD

PSI PROJECT NO.	30D-K24-3839
DATE:	03 / 27 / 2026
DRAWN BY:	DAB
CHECKED BY:	JMR

No.	DATE	DESCRIPTION
	05-11-2026	CONSTRUCTION SET

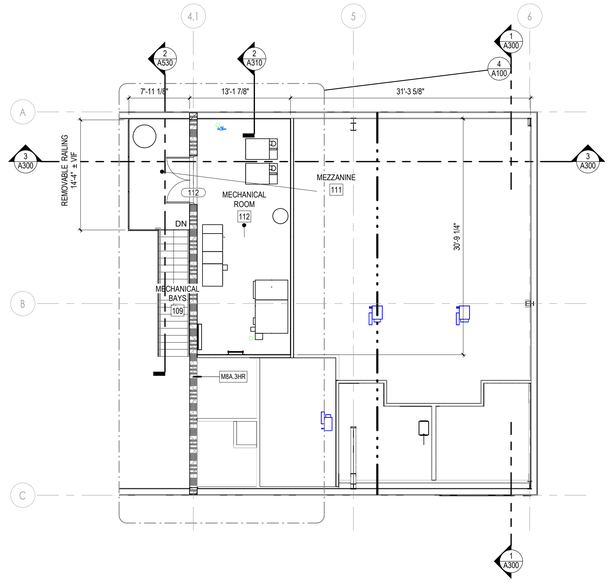
REVISIONS

CONSTRUCTION DOCUMENTS

SHEET
A005

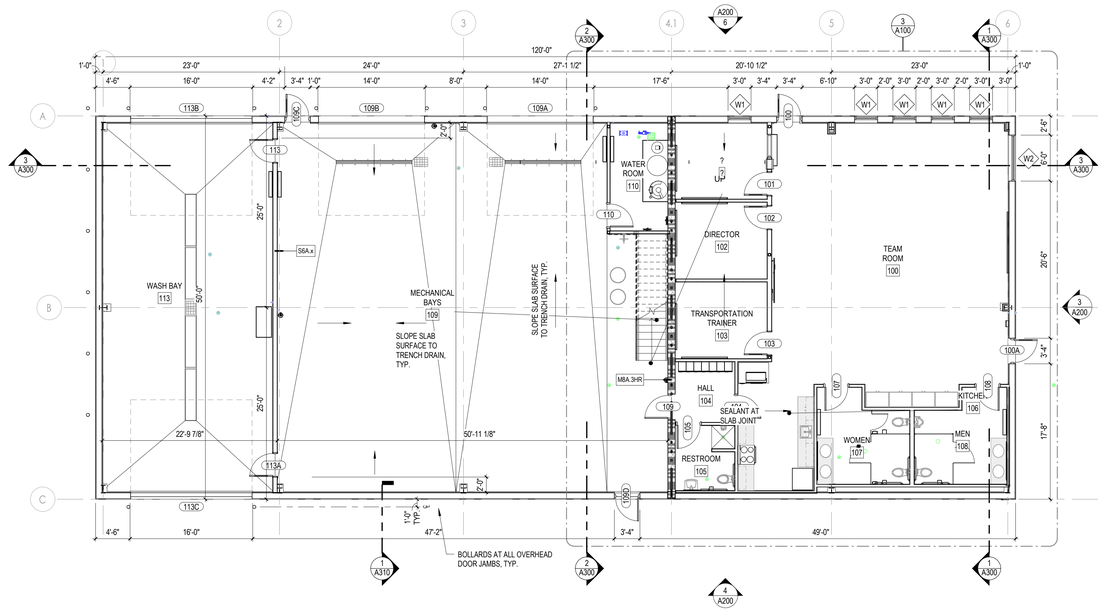
WALL TYPES & GENERAL INFORMATION

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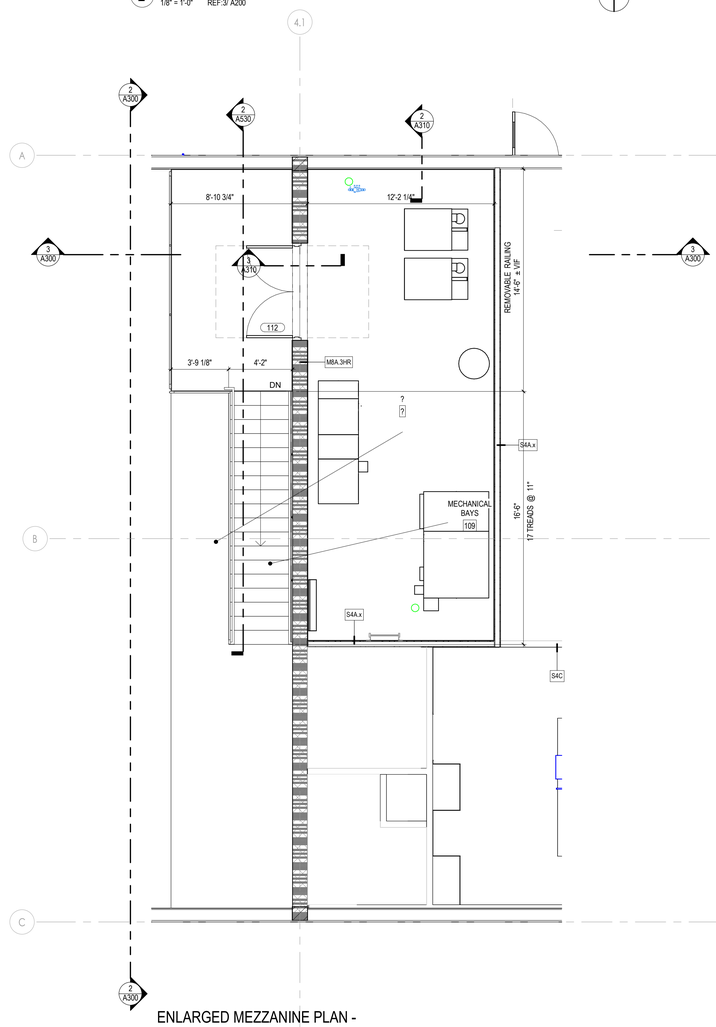
2 MEZZANINE PLAN

1/8" = 1'-0" REF:3/ A200



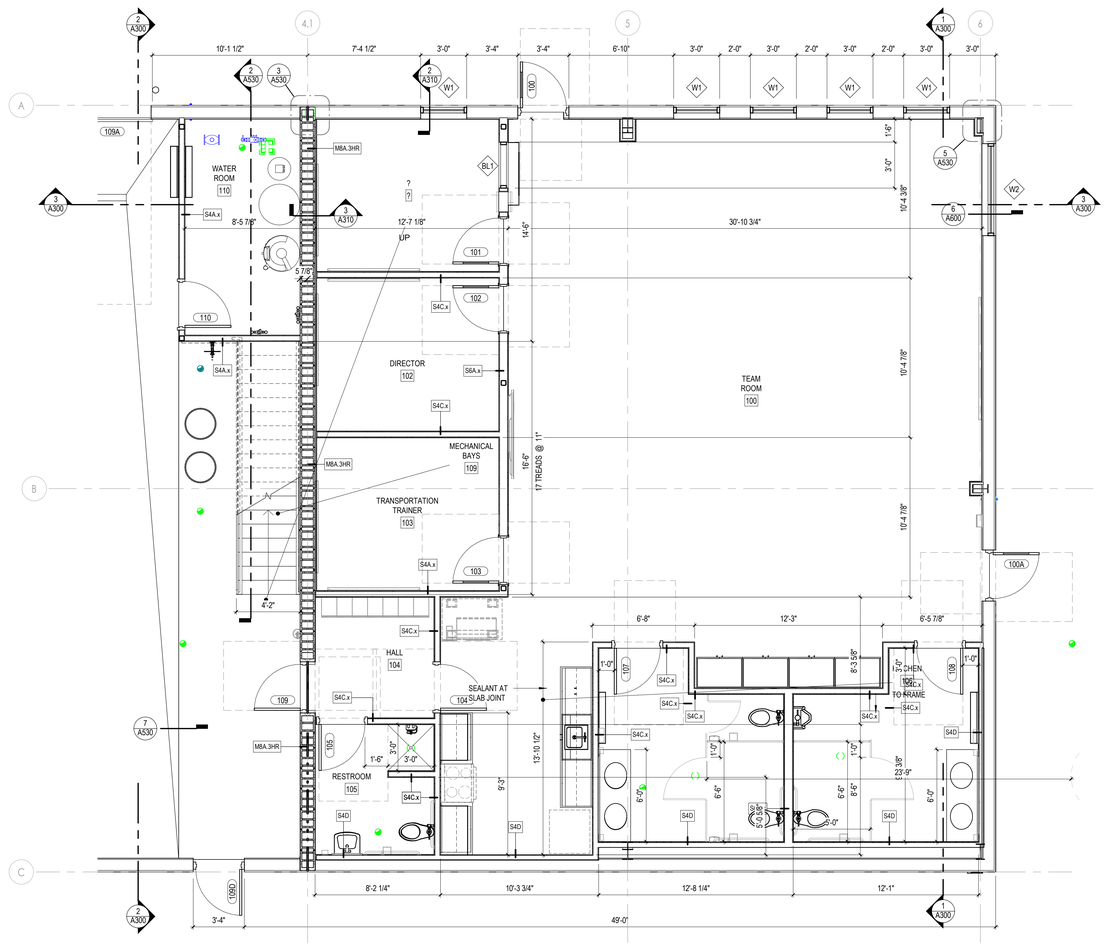
1 FIRST FLOOR PLAN

1/8" = 1'-0" REF:3/ A200



4 ENLARGED MEZZANINE PLAN - MECHANICAL ROOM

1/4" = 1'-0" REF:2/ A100



3 ENLARGED FIRST FLOOR PLAN - FRONT OFFICE

1/4" = 1'-0" REF:1/ A100

GENERAL ARCHITECTURAL NOTES

A. CONTRACTORS ARE REQUIRED TO REVIEW ENTIRE SET OF CONSTRUCTION DOCUMENTS (DRAWINGS AND SPECIFICATIONS) AND SHALL COORDINATE THEIR RESPECTIVE WORK WITH ALL OTHER DISCIPLINES TO AVOID ANY CONFLICTS DURING CONSTRUCTION. CONTRACTORS ARE RESPONSIBLE TO COORDINATE ARCHITECTURAL DRAWINGS WITH ALL OTHER CONSTRUCTION DOCUMENTS.

B. CONFLICTS BETWEEN NOTES, DETAILS, SPECIFICATIONS, ETC., SHALL BE VERIFIED WITH ARCHITECT/ENGINEER (A/E).

C. DETAILS OF CONSTRUCTION NOT FULLY SHOWN SHALL BE OF SAME NATURE AS SHOWN FOR SIMILAR CONDITIONS. ANY UNCLEAR CONDITIONS SHALL BE VERIFIED WITH A/E PRIOR TO CONSTRUCTION.

D. CONTRACTORS ARE REQUIRED TO FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO ANY FABRICATION OR CONSTRUCTION. IF EXISTING CONDITIONS ARE DIFFERENT THAN SHOWN, NOTIFY A/E IMMEDIATELY.

E. DRAWINGS ARE NOT TO BE SCALED. ANY UNCLEAR DIMENSIONS OR DIMENSIONAL DISCREPANCIES SHALL BE VERIFIED WITH A/E.

F. CONSTRUCTION DOCUMENTS REPRESENT FINISHED DESIGN INTENT AND DO NOT INDICATE METHOD OF CONSTRUCTION. CONTRACTORS SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT NEW AND EXISTING WORK DURING CONSTRUCTION.

G. WHERE NEW WORK REQUIRES MODIFICATION OF EXISTING CONSTRUCTION, INCLUDE ALL WORK NECESSARY FOR A COMPLETE AND FINISHED ASSEMBLY, INCLUDING BUT NOT LIMITED TO: DEMOLITION, RE-FRAMING/SUPPORT, PATCHING, AND REFINISHING TO MATCH EXISTING.

H. CONTRACTORS ARE RESPONSIBLE FOR PREPARATIONS OF FLOORS, WALLS, AND CEILINGS AS REQUIRED FOR NEW FINISHES. REFER TO GENERAL DEMOLITION AND INTERIOR FINISH NOTES FOR ADDITIONAL INFORMATION.

I. UNLESS NOTED OTHERWISE, PATCH AND REPAIR FLOOR FLUSH WITH ADJACENT FLOOR SURFACE AS REQUIRED. FILL ANY SLOPING OR RECESSED AREAS LEVEL TO TYPICAL FINISH FLOOR ELEVATION TO ACCOMMODATE NEW FLOOR COVERINGS.

J. PATCH ALL EXPOSED INTERIOR AND EXTERIOR WALLS WHERE ATTACHED OR IMBEDDED ITEMS WERE REMOVED.

K. WHEN REMOVING DEBRIS FROM CONSTRUCTION AREA WIPE OFF WHEELS BEFORE LEAVING CONSTRUCTION AREA AND USE WET RAGS OVER DUMPSTER TO REDUCE DUST.

L. OWNER RESERVES RIGHT TO HALT CONSTRUCTION ACTIVITY AT ANY TIME DUE TO NOISE/VIBRATION WHICH MAY EFFECT ONGOING FACILITY USE.

M. CONTRACTORS SHALL REINSTALL CEILING SYSTEM AND PATCH FINISHES AT FLOOR BELOW AND ABOVE WHERE WORK IMPACTS EXISTING ASSEMBLIES. FINISH/PAINT SURFACES TO MATCH EXISTING FINISHES.

N. ALL DIMENSIONS ARE TO FACE OF DRYWALL, FACE OF BLOCK OR CONCRETE, OR TO FACE OF EXISTING WALL FINISH, UNLESS NOTED OTHERWISE.

O. COORDINATE LOCATION OF ALL RECESSED OR IMBEDDED ITEMS SO AS NOT TO INTERFERE WITH OTHER TRADE'S WORK.

P. MAINTAIN WALL FIRE RATING BEHIND RECESSED ACCESSORIES AND EQUIPMENT.

Q. ADDITIONS OF OPENINGS, PENETRATIONS OR EMBEDMENTS IN FIELD SHALL BE FIRST VERIFIED WITH A/E.

R. PROVIDE NEOPRENE OR VINYL ISOLATION MATERIAL BETWEEN DISSIMILAR METALS THAT ARE IN CONTACT WITH ONE ANOTHER, TYPICAL, UNLESS NOTED OTHERWISE.

S. PROVIDE SOLID, CONTINUOUS BLOCKING/STRAPPING OR EQUIVALENT BACKING SYSTEM AS REQUIRED AT ALL LOCATIONS WHERE ALL WALL-MOUNTED CABINETRY, MILLWORK, PLUMBING FIXTURES, ACCESSORIES, EQUIPMENT, ETC. ATTACHES TO WALL. REFER TO SPECIFICATIONS.

T. ALL BLOCKING SHALL BE FIRE RETARDANT TREATED WOOD OR MADE OF NON-COMBUSTIBLE MATERIAL.

U. WHERE DRYWALL ABUTS DISSIMILAR MATERIALS, USE METAL DRYWALL EDGE BEAD AND SEALANT WITH BACKER ROD UNLESS NOTED OTHERWISE.

V. ALL HEADERS ABOVE OPENINGS, DOORS AND BORROWED LITES IN NON-LOAD BEARING INTERIOR METAL STUD WALLS SHALL BE (2) 8" 18 GA. JOISTS UNLESS NOTED OTHERWISE.

W. PROVIDE 18" MIN. ADA REQUIRED CLEARANCE ADJACENT TO STRIKE OF DOOR.

X. PAINTING CONTRACTOR SHALL LABEL, ABOVE CEILING, ALL FIRE RATED WALL CONSTRUCTION AND SMOKE BARRIER WALL CONSTRUCTION IN ACCORDANCE WITH SPECIFICATION.

Y. FOLLOWING DEMOLITION OF EXISTING M.E.P. AND ARCHITECTURAL DEMOLITION, PATCH ALL UNUSED WALL PENETRATIONS AND RECESSES WITH STUD FRAMING/BLOCKING AND GYPSUM WALLBOARD AS REQUIRED. FILL EXISTING VOIDS COMPLETE WITH SOUND BATT INSULATION. SEAL AS REQUIRED.

EAST TROY COMMUNITY SCHOOL DISTRICT

WISCONSIN
JASON M RAITEN
11370-5
GLENDALE
ARCHITECT

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New Construction of
EAST TROY TRANSPORTATION BUILDING
2021 West St, East Troy, WI 53120

EAST TROY COMMUNITY SCHOOLS
DESIGN BUILD

PSI PROJECT NO.	30D-K24-3839
DATE:	03 / 27 / 2026
DRAWN BY:	DAB
CHECKED BY:	JMR

No.	DATE	DESCRIPTION
1	06-12-2026	ASI 01
	05-11-2026	CONSTRUCTION SET

REVISIONS

CONSTRUCTION DOCUMENTS

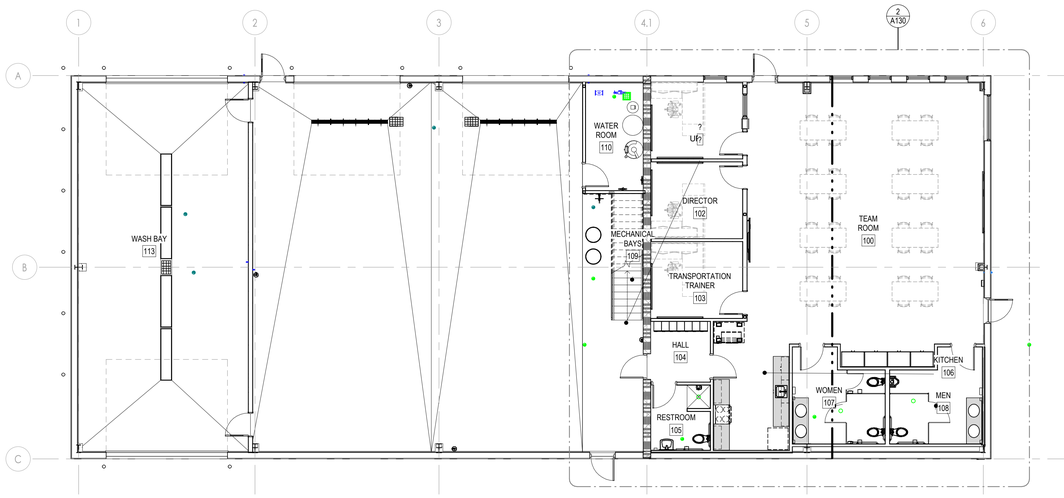
SHEET
A100

FIRST FLOOR ARCHITECTURAL PLAN

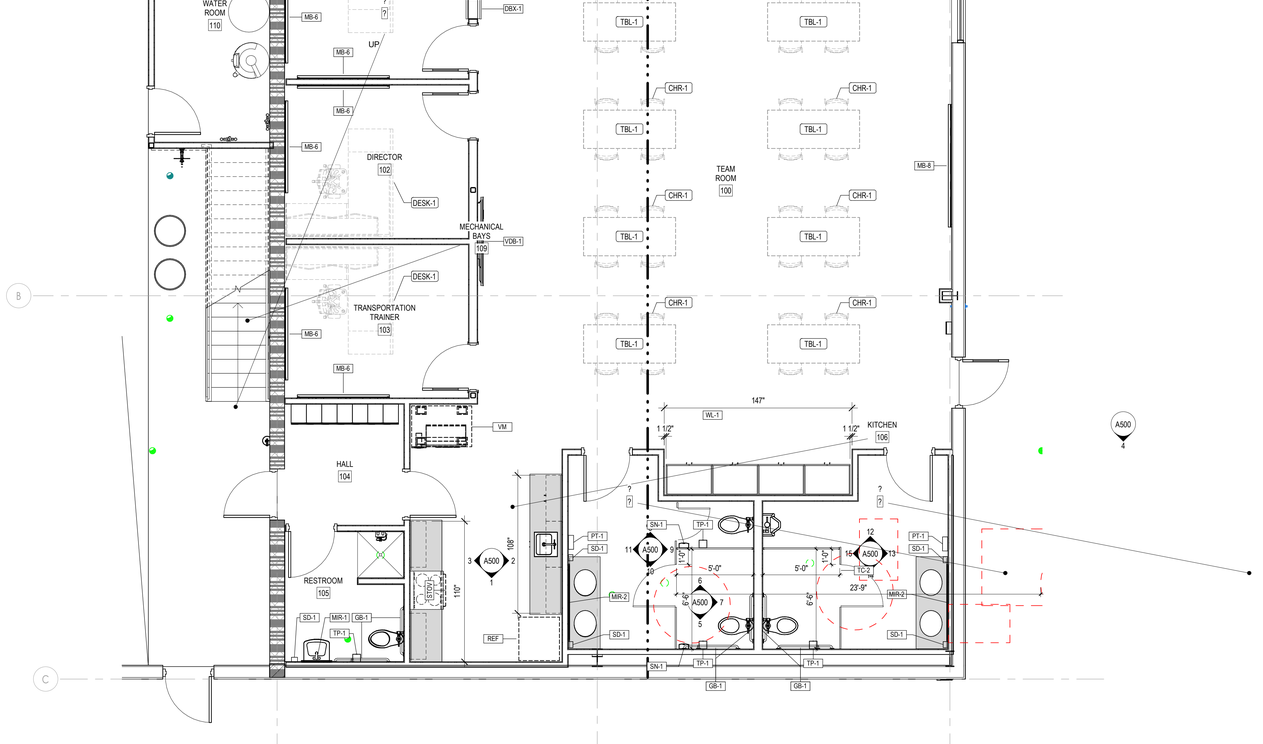
WE RECYCLE

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Autodesk Docs://WI East Troy SD/30D-K24-3839_East Troy TB-v24.rvt

WE RECYCLE



1 FIRST FLOOR EQUIPMENT PLAN
1/8" = 1'-0" REF:3/ A200



2 FIRST FLOOR ENLARGED EQUIPMENT PLAN
1/4" = 1'-0" REF:1/ A130

EQUIPMENT SCHEDULE

FOR ADDITIONAL HVAC, ELECTRICAL, AND PLUMBING EQUIPMENT SEE MEP DRAWINGS

QTY	MARK	DESCRIPTION	SUPPLIED BY	INSTALLED BY	PIPING	POWER	DATA
1	DBX-1	SECURE DROPBOX	CONTRACTOR	CONTRACTOR			
4	FE	FIRE EXTINGUISHER - WALL MOUNT	CONTRACTOR	CONTRACTOR			
1	FEC	FIRE EXTINGUISHER CABINET - SURFACE MOUNT	CONTRACTOR				
3	GB-1	ADA GRAB BARS	CONTRACTOR	CONTRACTOR			
6	MB-8	MARKERBOARD 6' x 4'	CONTRACTOR	CONTRACTOR			
1	MB-8	MARKERBOARD 8' x 4'	CONTRACTOR	CONTRACTOR			
1	MIR-1	MIRROR 24" x 36"	CONTRACTOR	CONTRACTOR			
2	MIR-2	MIRROR 60" x 36"	CONTRACTOR	CONTRACTOR			
3	PT-1	PAPER TOWEL DISPENSER	CONTRACTOR	CONTRACTOR			
1	REF	REFRIGERATOR	OWNER	CONTRACTOR		■	
5	SD-1	SOAP DISPENSER	CONTRACTOR	CONTRACTOR			
2	SN-1	SANITARY NAPKIN DISPOSAL RECEPTICAL	CONTRACTOR	CONTRACTOR			
1	STOV	ELECTRIC RANGE w/ 4-BURNER STOVE & OVEN	OWNER	CONTRACTOR		■	
1	TC-1	TOILET COMPARTMENT (STANDARD)	CONTRACTOR	CONTRACTOR			
2	TC-2	TOILET COMPARTMENT (ADA)	CONTRACTOR	CONTRACTOR			
4	TP-1	TOILET PAPER DISPENSER	CONTRACTOR	CONTRACTOR			
1	VDB-1	VISUAL DISPLAY BOARD	CONTRACTOR	CONTRACTOR		■	
1	VM	VENDING MACHINE	OWNER	OWNER		■	
7	WL-1	WOOD LOCKER - TWO-TEIR 12" W x 15" D x 72" H	CONTRACTOR	CONTRACTOR			

FURNITURE SCHEDULE

QTY	MARK	DESCRIPTION	SUPPLIED BY	INSTALLED BY
32	CHR-1	CHAIR	OWNER	OWNER
8	TBL-1	TABLE	OWNER	OWNER
ASSISTANT DIRECTOR				
1	DESK-1		OWNER	OWNER
DIRECTOR				
1	DESK-1		OWNER	OWNER
TRANSPORTATION TRAINER				
1	DESK-1		OWNER	OWNER

NOTES:

COORDINATE WITH MANUFACTURER INSTRUCTIONS AND OTHER TRADES FOR CONNECTION LOCATIONS.

EAST TROY COMMUNITY SCHOOL DISTRICT

WISCONSIN
JASON M RAITEN
11370-5
GLENDALE
ARCHITECT

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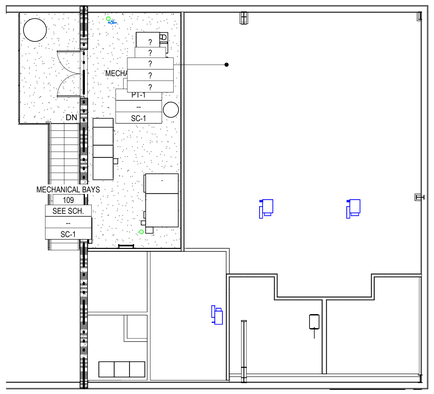
CONSTRUCTION DOCUMENTS

SHEET
A130

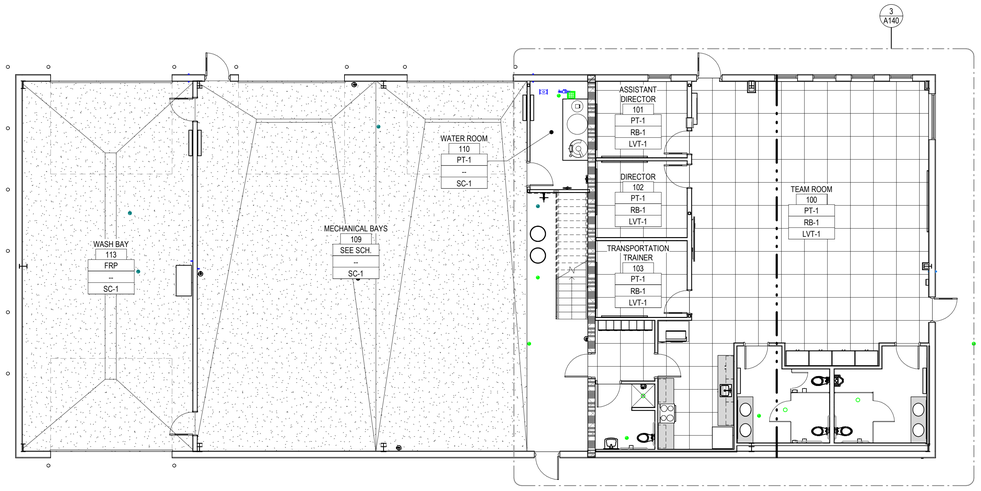
FIRST FLOOR EQUIPMENT PLAN

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Autodesk Docs://WI East Troy SD/30D-K24-3839_East Troy TB-vX4.rvt

WE RECYCLE



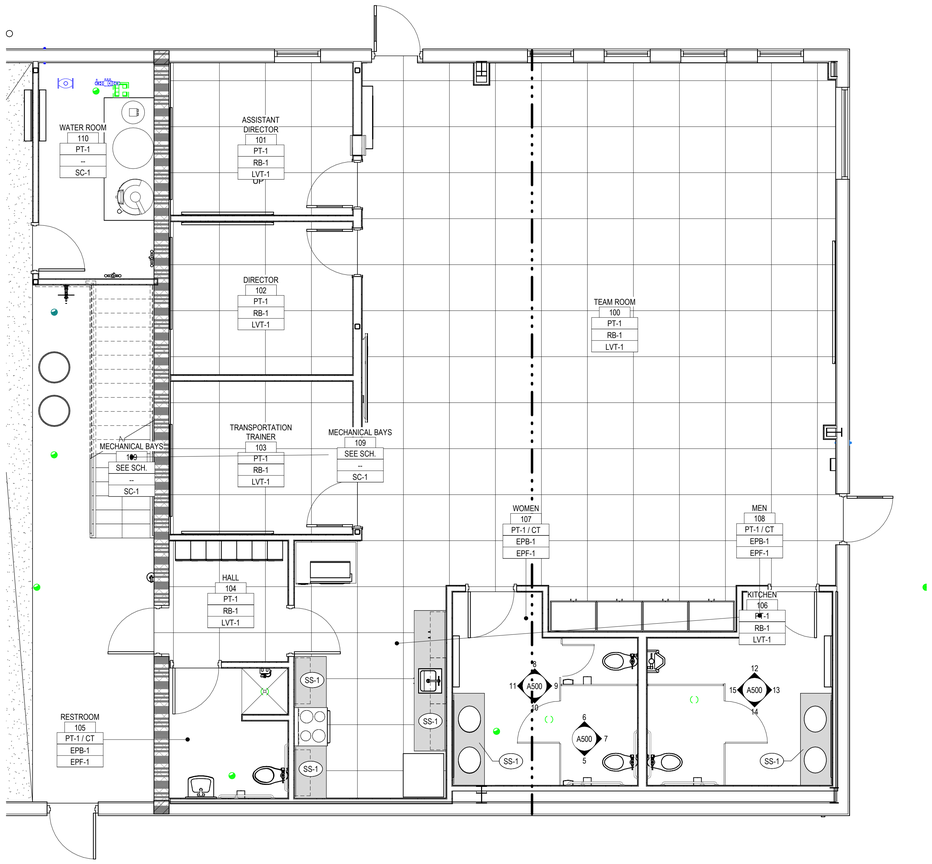
2 MEZZANINE INTERIOR FINISH PLAN
1/8" = 1'-0" REF:3/ A200



1 FIRST FLOOR INTERIOR FINISH PLAN
1/8" = 1'-0" REF:3/ A200

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR FINISH	FLOOR BASE	WALL NORTH	WALL SOUTH	WALL EAST	WALL WEST	DOOR FRAME	CEILING FINISH	CEILING BULKHEAD	MILLWORK CABINET	MILLWORK COUNTER	FINISH NOTES	ROOM NO.
FIRST FLOOR														
100	TEAM ROOM	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	PT-2	ACT-1		PLAM-1			100
101	ASSISTANT DIRECTOR	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	PT-2	ACT-1					101
102	DIRECTOR	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	PT-2	ACT-1					102
103	TRANSPORTATION TRAINER	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	PT-2	ACT-1					103
104	HALL	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	PT-2	WCT-1					104
105	RESTROOM	EPF-1	EPB-1	PT-1 / CT-1	PT-1 / CT-1	PT-1 / CT-1	PT-1	PT-2	WCT-1					105
106	KITCHEN	LVT-1	RB-1	PT-1	PT-1	PT-1	PT-1	PT-2	ACT-1	PT-1	PLAM-1	SS-1		106
107	WOMEN	EPF-1	EPB-1	PT-1 / CT-1,2,3	PT-1 / CT-1,2,3	PT-1 / CT-1,2,3	PT-1 / CT-1,2,3	PT-2	WCT-1			PLAM-2		107
108	MEN	EPF-1	EPB-1	PT-1 / CT-1,2,3	PT-1 / CT-1,2,3	PT-1 / CT-1,2,3	PT-1 / CT-1,2,3	PT-2	WCT-1			PLAM-2		108
109	MECHANICAL BAYS	SC-1	--	LP	LP	PT-1	FRP / PT-1	PT-2	ACT-1					109
110	WATER ROOM	SC-1	--	PT-1	PT-1	PT-1	PT-1	PT-2	ACT-1					110
113	WASH BAY	SC-1	--	FRP	FRP	FRP	FRP	PT-2	ACT-1					113
MEZZANINE														
111	MEZZANINE	SC-1	--	PT-1	PT-1	PT-1	PT-1	PT-2	OTS					111
112	MECHANICAL ROOM	SC-1	--	PT-1	PT-1	PT-1	PT-1	PT-2	OTS					112



3 ENLARGED FIRST FLOOR INTERIOR FINISH PLAN - FRONT OFFICE
1/4" = 1'-0" REF:1/ A140

INTERIOR FINISH GENERAL NOTES

A. PATTERN NAME, COLOR & NUMBER FOR EACH MATERIAL ARE GIVEN WHENEVER POSSIBLE ON THE FINISH PLAN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT/DESIGNER SO THAT THE CORRECT MATERIAL IS INSTALLED.

B. PAINT ALL BULKHEADS, SOFFITS, & GYPSUM DRYWALL/PLASTER CEILING SURFACES ***P-1*** UNLESS NOTED OTHERWISE (U.N.O.) ON REFLECTED CEILING PLANS. ALL BULKHEADS, SOFFITS, & GYPSUM DRYWALL CEILING SURFACES SHALL BE FINISHED WITH THE SAME MATERIAL AND/OR COLOR ON ALL FACES AS SPECIFIED, UNO

C. REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL CEILING FINISHES.

D. ALL FLOORING MATERIAL SHALL BE CENTERED UNDER THE DOOR IN THE CLOSED POSITION.

E. PROVIDE TRANSITION STRIPS BETWEEN ALL DISSIMILAR FLOORING MATERIALS.

F. ALL NEW INTERIOR METAL DOOR & WINDOW FRAMES/TRIM SHALL BE PAINTED ***P-2*** U.N.O.

G. ALL NEW INTERIOR METAL DOORS SHALL BE PAINTED ***P-2*** U.N.O.

H. THERE SHALL NOT BE PAINT CONDITIONS THAT OCCUR CAUSING FINISH OR COLOR TO TERMINATE ON AN OUTSIDE CORNER UNLESS SPECIFICALLY NOTED OTHERWISE. IF THIS CONDITION OCCURS BRING IT TO THE ATTENTION OF THE ARCHITECT/DESIGNER IMMEDIATELY.

I. ALL FLOORING TO BE INSTALLED PERPENDICULAR TO ROOM WALLS U.N.O.

J. PATCH & MATCH EXISTING FINISHES AS NEEDED FOR NEW CONSTRUCTION.

K. WHERE FINISH PAINTING IS INDICATED ON THE DRAWINGS, ALL GRILLES, VENTS, ELECTRICAL PANELS, ACCESS PANELS, EXPOSED CONDUITS, FIRE EXTINGUISHER CABINETS, ETC. TO BE PAINTED TO MATCH ADJACENT WALL U.N.O.

L. WHERE NEW WALL FINISHES ARE INDICATED, FINISH BEHIND FIXED EQUIPMENT SUCH AS CABINETRY, CASEWORK, CHALK & TACK/MARKER BOARDS, ETC.

M. ALL VERTICAL PLASTIC LAMINATE SURFACES TO BE ***PLAM-1*** U.N.O.

N. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION PERTAINING TO INTERIOR FINISHES.

O. STRICTLY ADHERE TO THE FLOORING MANUFACTURER'S FLOOR PREPARATION & INSTALLATION INSTRUCTIONS.

P. DASHED-IN FURNITURE TO BE OWNER FURNISHED, OWNER INSTALLED & IS ILLUSTRATED FOR COORDINATION PURPOSES ONLY.

FINISH ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE	P	PAINT
BRK	BRICK	PLAM	PLASTIC LAMINATE
CG	CORNER GUARD	PME	PATCH TO MATCH EXISTING
CMU	CONCRETE MASONRY UNIT	RB	RUBBER BASE
CPT	CARPET	RS	ROLLER SHADE
CS	CAST OR CULTURED STONE	SC	SEALED CONCRETE (SPEC 03300)
CTB	CERAMIC TILE BASE	SS	SOLID SURFACE
CWT	CERAMIC WALL TILE	SSK	SOLID SURFACE SINK
CR	CRASH RAIL OR CHAIR RAIL	TB	TACK BOARD
ECT	EPOXY COUNTER TOP (LABS)	TZ	TERRAZZO FLOORING
EP	EPOXY PAINT	TZB	TERRAZZO BASE
EPB	EPOXY POURED BASE	TZT	TERRAZZO FLOOR TILE
EPF	EPOXY POURED FLOOR	VB	VINYL BASE
ETR	EXISTING TO REMAIN	VCT	VINYL COMPOSITION TILE
FRP	FIBER REINFORCED PANEL	WD	WOOD
GB	GYPSUM BOARD	WCT	WASHABLE CEILING TILE
LP	LINER PANEL (P.E.M.B. VENDOR)		(VINYL COVERED GYPSUM)
LVT	LUXURY VINYL TILE	WM	WALK-OFF MAT
MB	MARKER BOARD		
MT	MOSAIC TILE		

FINISH LEGEND BLOCK

NOTE: FINISHES INDICATED IN FINISH LEGEND BLOCKS ARE GENERAL OVERALL FINISHES FOR ROOM UNLESS OTHERWISE NOTED BY NOTE, REMARK, DETAIL, AND/OR ELEVATION.

EAST TROY COMMUNITY SCHOOL DISTRICT

WISCONSIN
JASON M RAITEN
11370-5
GLENDALE
ARCHITECT

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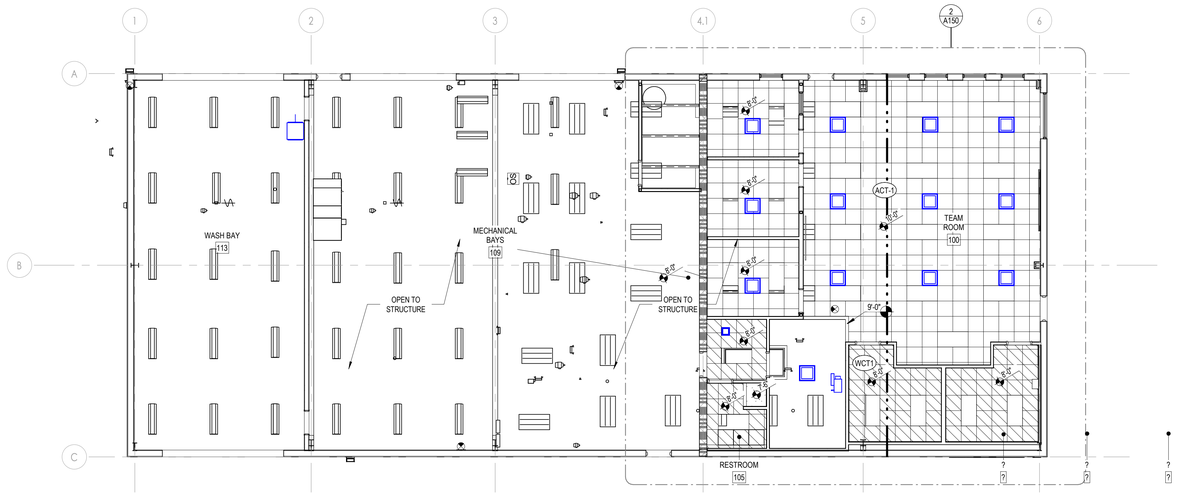
REVISIONS

CONSTRUCTION DOCUMENTS

SHEET
A140

FIRST FLOOR INTERIOR FINISH PLANS

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FIRST FLOOR REFLECTED CEILING PLAN PARENT

1 1/8" = 1'-0" REF:3/ A200



ENLARGED FIRST FLOOR REFLECTED CEILING PLAN - FRONT OFFICE

2 1/4" = 1'-0" REF:1/ A150

RCP GENERAL NOTES

A. CONTRACTORS ARE REQ'D TO REVIEW THE ENTIRE SET OF CONSTRUCTION DOCUMENTS (DRAWINGS & SPECIFICATIONS) & SHALL COORDINATE THEIR RESPECTIVE WORK WITH ALL OTHER DISCIPLINES TO AVOID ANY CONFLICTS DURING CONSTRUCTION. CONTRACTORS ARE RESPONSIBLE TO COORDINATE THE REFLECTED CEILING DRAWINGS W/ ALL OTHER CONSTRUCTION DOCUMENTS, INCLUDING, BUT NOT LIMITED TO, THE ARCHITECTURAL, INTERIOR FINISH, ELECTRICAL, & MECHANICAL DRAWINGS & GENERAL NOTES.

B. ALL LAY-IN ACOUSTICAL CEILINGS SHALL BE TYPE ***ACT-1***, U.N.O.

C. ALL CEILINGS SHALL BE CENTERED WITHIN THE ROOM U.N.O.

D. ALL CEILING FIXTURES SHALL BE CENTERED WITHIN CEILING TILES U.N.O.

E. ALL BULKHEADS TO BE PAINTED TO MATCH ADJACENT WALL SURFACES, U.N.O. REFER TO INTERIOR FINISH DRAWINGS & SPECIFICATIONS.

F. PROVIDE HOLD-DOWN CLIPS FOR ALL LAY-IN ACOUSTICAL CEILINGS IN VESTIBULES OR AREAS ADJACENT TO EXTERIOR BUILDING ENTRANCES, U.N.O.

G. ALL LIGHTING FIXTURES, MECHANICAL DIFFUSERS & GRILLES, ETC. ARE SHOWN ON REFLECTED CEILING PLANS FOR REFERENCE ONLY & ARE TO BE PROVIDED BY THE RESPECTIVE TRADE. REFER TO M.E.P. DRAWINGS.

REFLECTED CEILING PLAN LEGEND

- EXPOSED
- GYPSUM BOARD
- 2X2 ACOUSTIC CEILING PANEL
- 2X2 WASHABLE ACOUSTIC CEILING PANEL
- CEILING HEIGHT- ABOVE FINISH FLOOR
- 2'x2' LIGHT FIXTURE
- EMERGENCY LIGHT FIXTURE
- 2'x4' LIGHT FIXTURE
- 1'x4' LINEAR LIGHT FIXTURE
- RECESSED ROUND LIGHT FIXTURE (EMERGENCY FIXTURES SHADED)
- CEILING ACCESS PANEL
- SUPPLY DIFFUSER
- LINEAR DIFFUSER DIFFUSER
- TRANSFER GRILL AND/OR EXHAUST FAN
- FIRE EXIT SIGN LOCATION
- SPEAKER LOCATION (SEE ELECTRICAL COMMUNICATIONS)
- CAMERA LOCATION (SEE ELECTRICAL COMMUNICATIONS)
- SPRINKLER LOCATION (SEE FIRE PROTECTION DRAWINGS)

EAST TROY COMMUNITY SCHOOL DISTRICT

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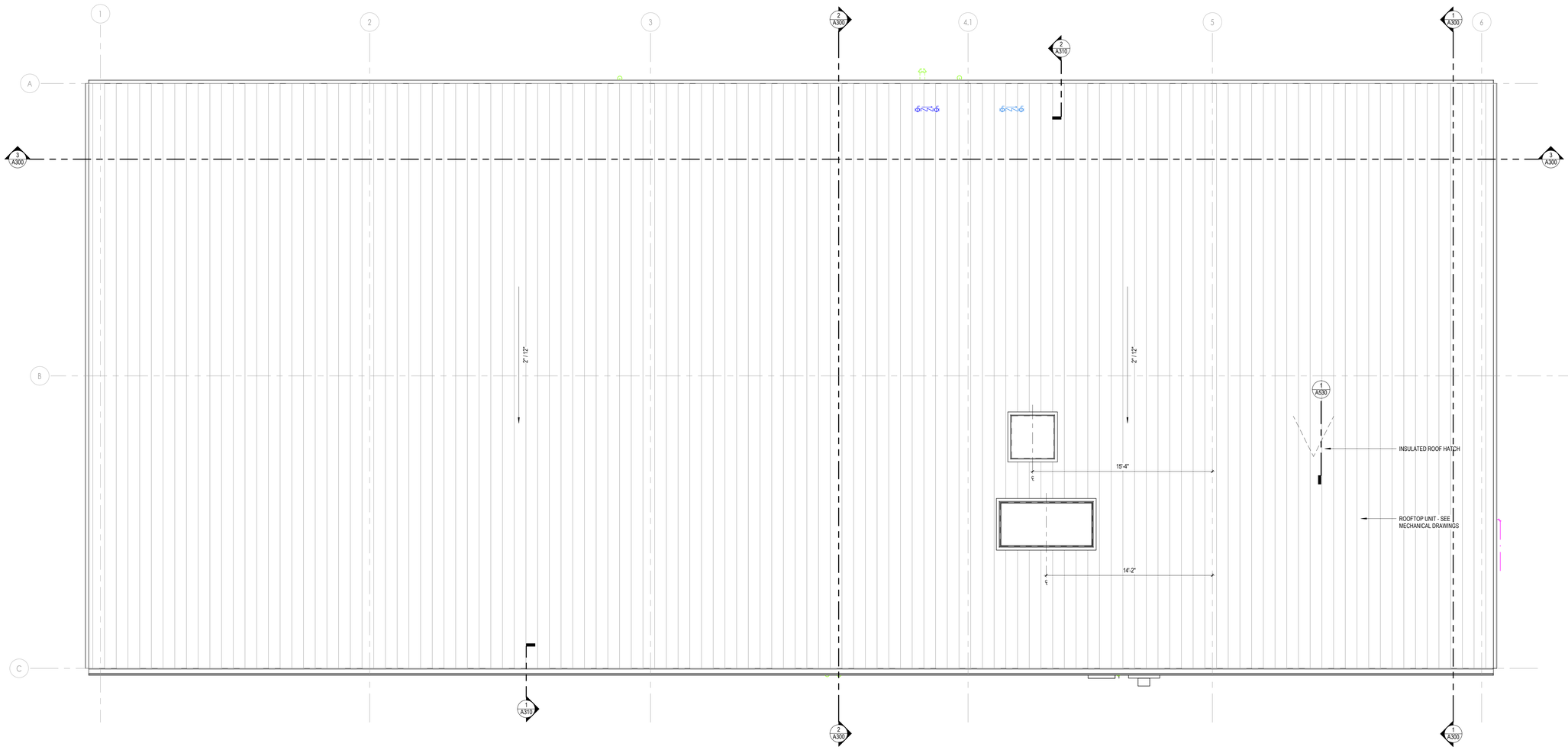
CONSTRUCTION DOCUMENTS

SHEET
A150

FIRST FLOOR REFLECTED CEILING PLANS

WE RECYCLE

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1 ROOF PLAN
1/4" = 1'-0" REF:3/ A200

WE RECYCLE

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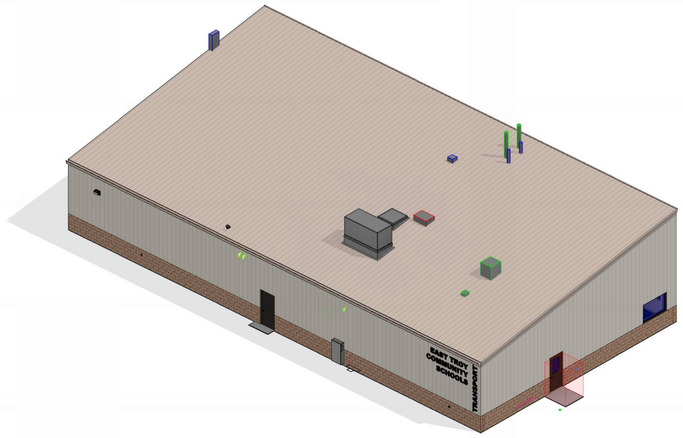
CONSTRUCTION DOCUMENTS

SHEET
A180

ROOF PLAN

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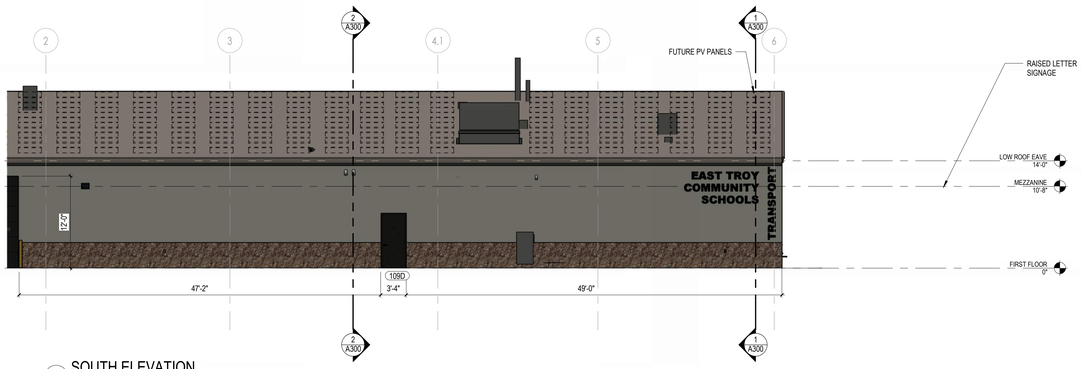
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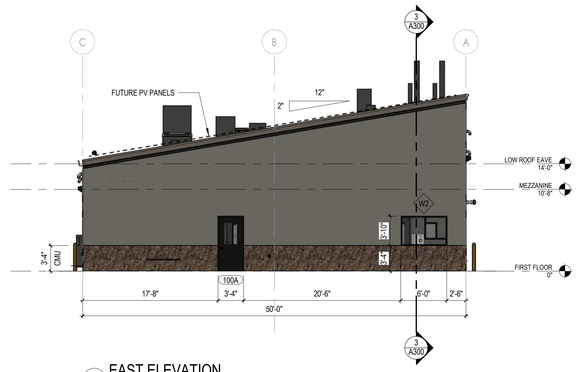
BUILDING AXON - SOUTHEAST CORNER
2



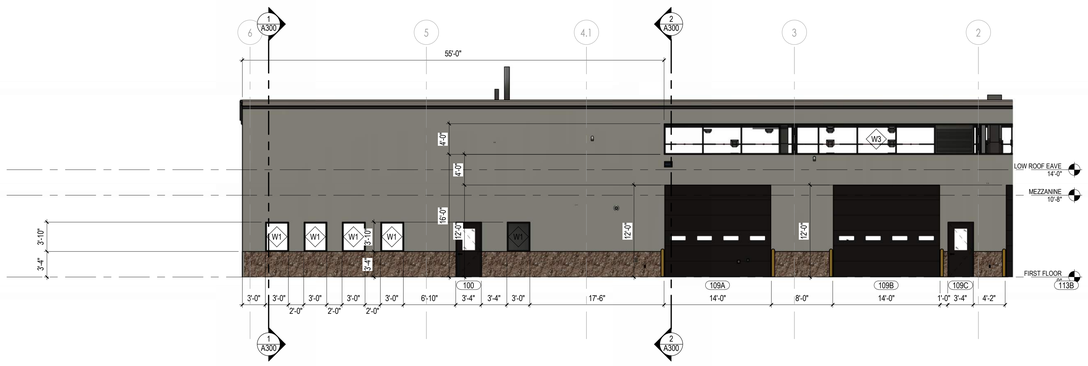
BUILDING AXON - NORTHWEST CORNER
1



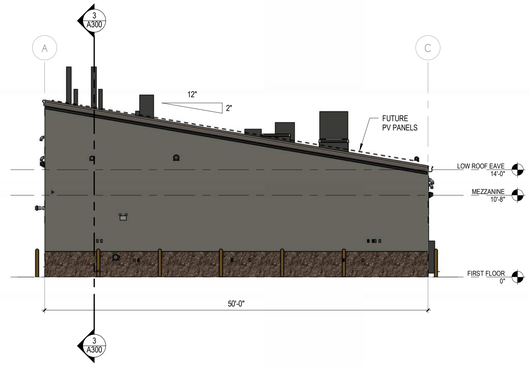
SOUTH ELEVATION
4
1/8" = 1'-0" REF:1/ A100



EAST ELEVATION
3
1/8" = 1'-0" REF:1/ A100



NORTH ELEVATION
6
1/8" = 1'-0" REF:1/ A100



WEST ELEVATION
5
1/8" = 1'-0"

EAST TROY
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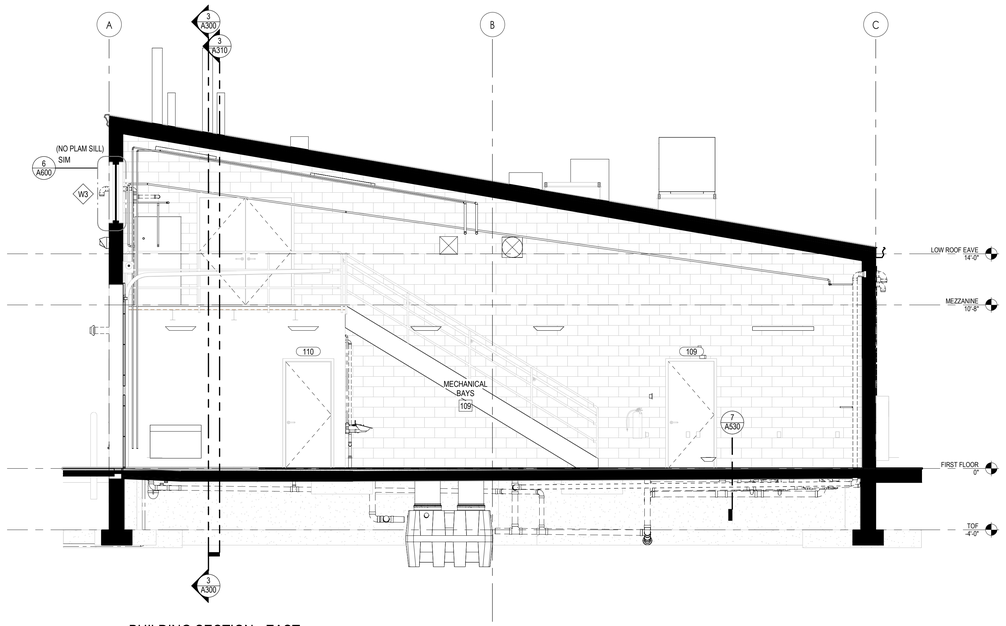
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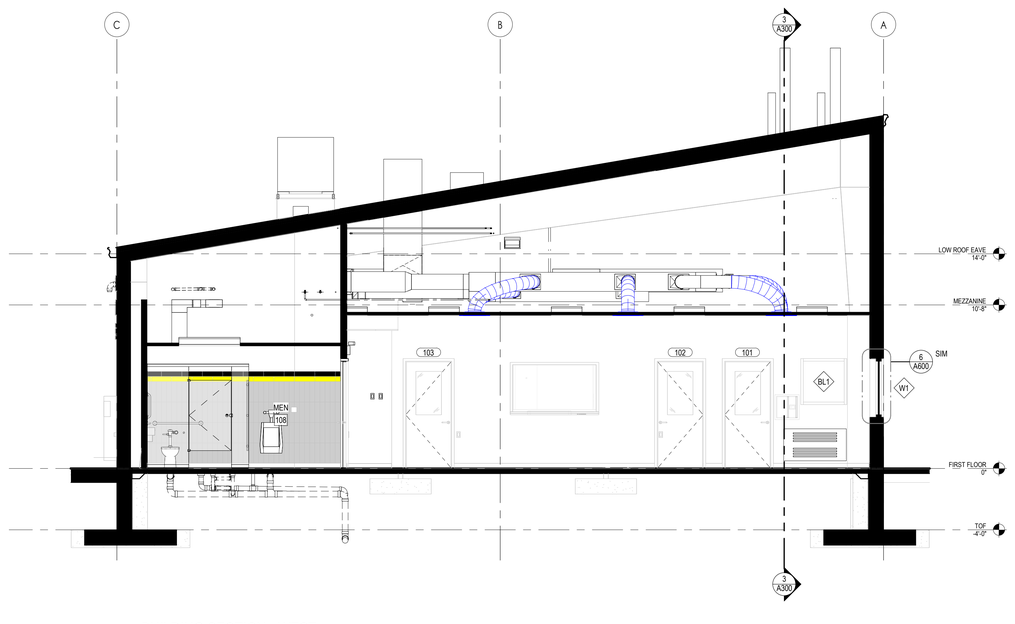
EXTERIOR ELEVATIONS

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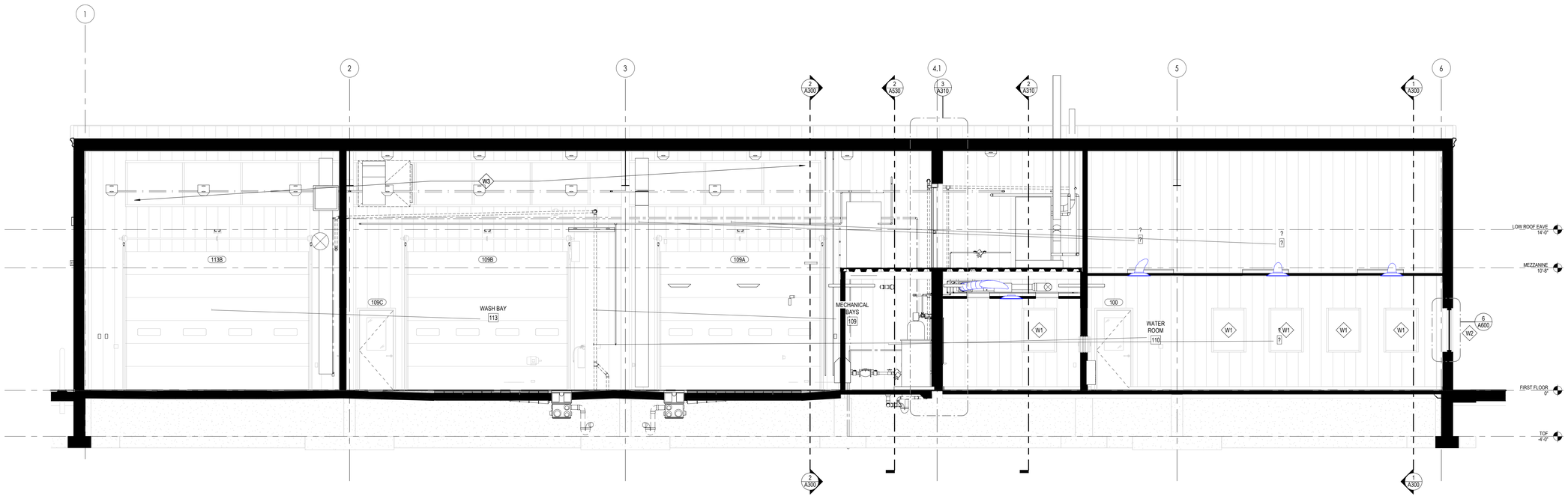
WE RECYCLE



2 BUILDING SECTION - EAST
1/4" = 1'-0" REF:1/ A100



1 BUILDING SECTION - WEST
1/4" = 1'-0" REF:1/ A100



3 BUILDING SECTION - NORTH
1/4" = 1'-0" REF:1/ A100

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A300

BUILDING SECTIONS

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WE RECYCLE

2 A300

A

METAL ROOF PANEL
(BY METAL BUILDING SUPPLIER)

METAL FASCIA
(BY METAL BUILDING SUPPLIER)

INSULATION
(BY METAL BUILDING SUPPLIER)

FIRE STOPING AT
TOP OF WALL

CMU TO UNDERSIDE
OF DECK

FIRE CALK AT ALL
PENETRATIONS

C

INSULATION
(BY METAL BUILDING SUPPLIER)

METAL ROOF PANEL
(BY METAL BUILDING SUPPLIER)

LOW ROOF EAVE
14'-0"

?
?

?

METAL GUTTER
(BY METAL BUILDING SUPPLIER)

LINER PANEL
(BY METAL BUILDING SUPPLIER)

MECHANICAL
ROOM
112

STEEL GIRT
(BY METAL BUILDING SUPPLIER)

MEZZANINE
10'-8"

MEZZANINE
10'-8"

INSULATION
(BY METAL BUILDING SUPPLIER)

METAL PANEL SIDING
(BY METAL BUILDING SUPPLIER)

LINER PANEL
(BY METAL BUILDING SUPPLIER)

INSULATION
(BY METAL BUILDING SUPPLIER)

STEEL GIRT
(BY METAL BUILDING SUPPLIER)

FIRE CALK AT ALL
PENETRATIONS

B
A600

SIM

METAL PANEL SIDING
(BY METAL BUILDING SUPPLIER)

M8A.3HR
UL U904

W1

THERMALLY BROKEN
ALUMINUM FRAMED WINDOW

3
A310

ASSISTANT
DIRECTOR
101

MECHANICAL
BAYS
109

WATER
ROOM
110

?
?

LINER PANEL
(BY METAL BUILDING SUPPLIER)

SPLIT FACED
MASONRY WAINSCOT

3'-4"

3" POLYISOCYANURATE

3'-4"

ALTERNATE #1:
8" CMU WALL GROUTED SOLID -
SEE STRUCTURAL DAREAINGS

SPLIT FACED
MASONRY WAINSCOT

FIRST FLOOR
0'-0"

FIRST FLOOR
0'-0"

3" POLYISOCYANURATE

CONCRETE FOOTING -
SEE STRUCTURAL DRAWINGS

TOF
-4'-0"

TOF
-4'-0"

2 A300

3 WALL SECTION - FIRE BARRIER ALTERNATE #1 - UL U904
3/4" = 1'-0" REF:3/ A100

2 NORTH WALL SECTION
3/4" = 1'-0" REF:2/ A100

1 SOUTH WALL SECTION
3/4" = 1'-0" REF:1/ A100

EAST TROY
COMMUNITY SCHOOL DISTRICT

WISCONSIN
JASON M RAITEN
11370-5
GLENDALE
ARCHITECT

SIGNATURE

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Performance Services

New Construction of
EAST TROY TRANSPORTATION BUILDING
2021 West St. East Troy, WI 53120

EAST TROY COMMUNITY SCHOOLS
DESIGN BUILD

PSI PROJECT NO.	30D-K24-3839
DATE:	03 / 27 / 2026
DRAWN BY:	DAB
CHECKED BY:	JMR

No.	DATE	DESCRIPTION
	05-11-2026	CONSTRUCTION SET

REVISIONS

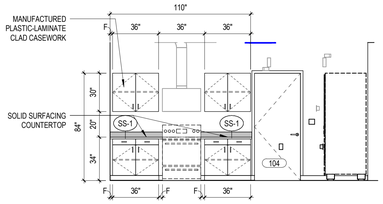
CONSTRUCTION DOCUMENTS

SHEET
A310

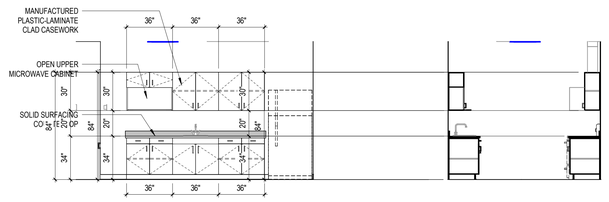
WALL SECTIONS

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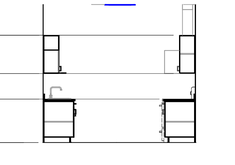
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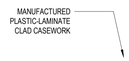
3 WEST ELEVATION - KITCHEN
1/4" = 1'-0" REF:2/ A130



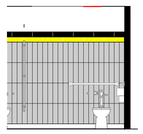
2 EAST ELEVATION - KITCHEN
1/4" = 1'-0" REF:2/ A130



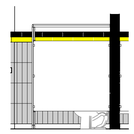
1 SOUTH ELEVATION - KITCHEN
1/4" = 1'-0" REF:2/ A130



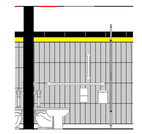
4 SOUTH ELEVATION - TEAM ROOM
1/4" = 1'-0" REF:2/ A130



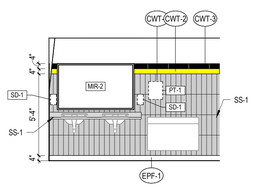
7 EAST ELEVATION - RESTROOM
1/4" = 1'-0" REF:2/ A130



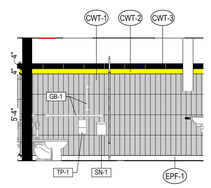
6 NORTH ELEVATION - RESTROOM
1/4" = 1'-0" REF:2/ A130



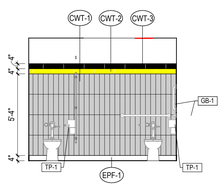
5 SOUTH ELEVATION - RESTROOM
1/4" = 1'-0" REF:2/ A130



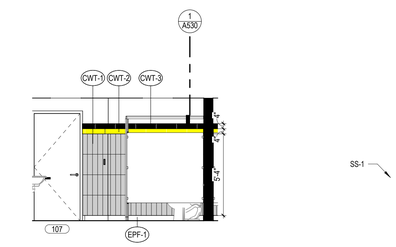
11 WEST ELEVATION - WOMEN
1/4" = 1'-0" REF:2/ A130



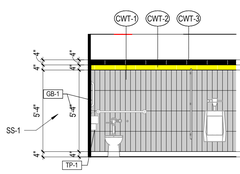
10 SOUTH ELEVATION - WOMEN
1/4" = 1'-0" REF:2/ A130



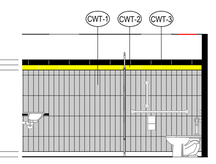
9 EAST ELEVATION - WOMEN
1/4" = 1'-0" REF:2/ A130



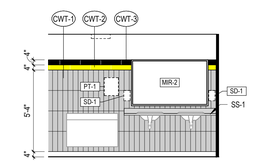
8 NORTH ELEVATION - WOMEN
1/4" = 1'-0" REF:2/ A130



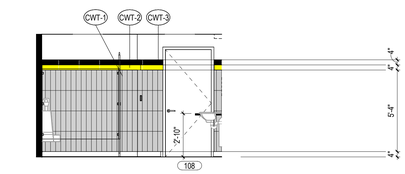
15 WEST ELEVATION - MEN
1/4" = 1'-0" REF:2/ A130



14 SOUTH ELEVATION - MEN
1/4" = 1'-0" REF:2/ A130



13 EAST ELEVATION - MEN
1/4" = 1'-0" REF:2/ A130



12 NORTH ELEVATION - MEN
1/4" = 1'-0" REF:2/ A130

INTERIOR ELEVATION GENERAL NOTES

A. CONTRACTORS ARE REQ'D TO REVIEW THE ENTIRE SET OF CONSTRUCTION DOCUMENTS (DRAWINGS & SPECIFICATIONS) & SHALL COORDINATE THEIR RESPECTIVE WORK WITH ALL OTHER DISCIPLINES TO AVOID ANY CONFLICTS DURING CONSTRUCTION. CONTRACTORS ARE RESPONSIBLE TO COORDINATE THE ARCHITECTURAL DRAWINGS W/ ALL OTHER CONSTRUCTION DOCUMENTS.

B. CONFLICTS BETWEEN INTERIOR ELEVATIONS, NOTES, DETAILS, SPECIFICATIONS, ETC., SHALL BE VERIFIED W/ THE A/E OR THE STRICTEST PROVISIONS SHALL GOVERN.

C. MAINTAIN WALL FIRE RATING BEHIND RECESSED ACCESSORIES & EQUIPMENT.

D. PROVIDE SOLID, CONTINUOUS BLOCKING/STRAPPING OR EQUIVALENT BACKING SYSTEM AS REQUIRED AT ALL LOCATIONS WHERE ALL WALL-MOUNTED CABINETRY, MILLWORK, PLUMBING FIXTURES, ACCESSORIES, EQUIPMENT, ETC. ATTACHES TO WALL. REFER TO THE SPECIFICATIONS.

E. ALL BLOCKING SHALL BE FIRE RETARDANT TREATED WOOD OR MADE OF NON-COMBUSTIBLE MATERIAL

F. CONTRACTORS ARE REQUIRED TO FIELD VERIFY EXISTING CONDITIONS & DIMENSIONS PRIOR TO ANY FABRICATION OR CONSTRUCTION. IF EXISTING CONDITIONS ARE DIFFERENT THAN SHOWN, NOTIFY A/E IMMEDIATELY.

G. ALL DIMENSIONS ARE TO THE FACE OF DRYWALL, FACE OF BLOCK OR CONCRETE, OR TO THE FACE OF EXISTING WALL FINISH, U.N.O.

H. ALL BASE CABINETS SHALL BE 2'-0" DEEP UNLESS NOTED OTHERWISE.

I. ALL CASEWORK SHALL BE FINISHED IN PLASTIC LAMINATE U.N.O., REFER TO SPECIFICATIONS.

J. WHERE INDICATED, ALL SOLID SURFACE EDGES TO BE DOUBLE-EASED. REFER TO INTERIOR FINISH DRAWINGS & SPECIFICATIONS, TYP.

K. ALL PATTERNED LAMINATES SHALL RUN VERTICAL, U.N.O.

L. PROVIDE FILLER PANELS AT ALL LOCATIONS WHERE CABINETRY ABUTS A WALL. WHETHER ILLUSTRATED OR NOT.

M. PROVIDE A 4" HIGH INTEGRAL BACK SPLASH ON ALL COUNTERS WITH RECESSED SINKS. INSTALL SIDE SPLASHES WHERE THESE COUNTERS ABUT A WALL.

N. PROVIDE 12" CLEAR INTERIOR DIMENSION ON ALL UPPER WALL CABINETS U.N.O.

O. BOTTOM OF WALL-MOUNTED UPPER CABINETS TO BE FINISHED TO MATCH VERTICAL FACES.

P. COORDINATE ALL WALL OUTLETS TO AVOID CONFLICT WITH COUNTERTOPS, BACK/SIDESPLASHES, CASEWORK, WALL-MOUNTED ACCESSORIES & EQUIPMENT. ALL PRODUCTS, ACCESSORIES & CABINETRY NOTED & LOCATED ON INTERIOR ELEVATIONS TAKES PRECEDENT IN LOCATION OVER ANY OUTLET OR ELECTRICAL DEVICE LOCATED ON M.E.P. DRAWINGS.

Q. ALL M.E.P. FIXTURES & EQUIPMENT ILLUSTRATED FOR COORDINATION & REFERENCE ONLY. REFER TO M.E.P. DRAWINGS FOR ADDITIONAL INFORMATION.

R. PAINTING CONTRACTOR IS TO STENCIL WALL RATING ON WALLS INDICATED AS RATED ABOVE THE CEILING ON 20'-30' INTERVALS.

EAST TROY
COMMUNITY SCHOOL DISTRICT

WISCONSIN
JASON M RAITEN
11370-5
GLENDALE
WI
ARCHITECT

SIGNATURE

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Performance Services

New Construction of
EAST TROY TRANSPORTATION BUILDING
2021 West St. East Troy, WI 53120

EAST TROY COMMUNITY SCHOOLS
DESIGN BUILD

PSI PROJECT NO.	30D-K24-3839
DATE:	03 / 27 / 2026
DRAWN BY:	DAB
CHECKED BY:	JMR

No.	DATE	DESCRIPTION
1	06-12-2026	ASI 01
	05-11-2026	CONSTRUCTION SET

REVISIONS

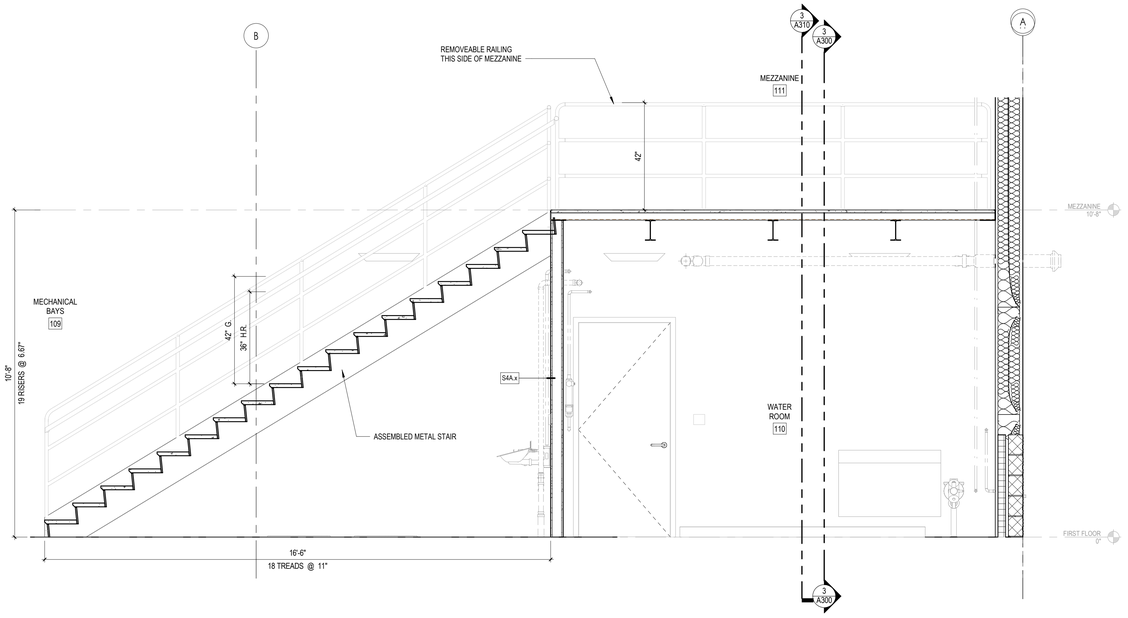
CONSTRUCTION DOCUMENTS

SHEET
A500

RESTROOM AND CASEWORK ELEVATIONS

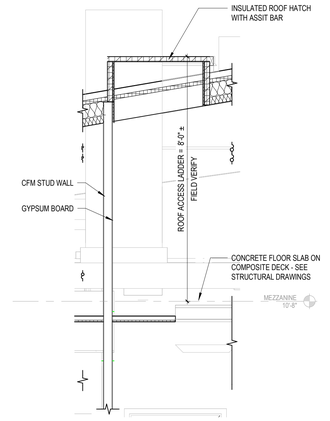
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WE RECYCLE



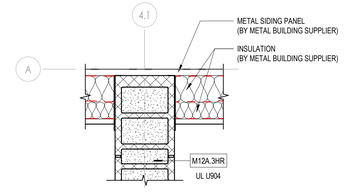
SECTION DETAIL - MEZZANINE STAIR

2 1/2" = 1'-0" REF:2/ A100



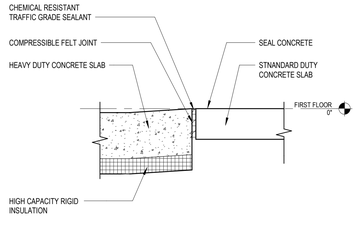
SECTION DETAIL - ROOF ACCESS

1 1/2" = 1'-0" REF:1/ A180



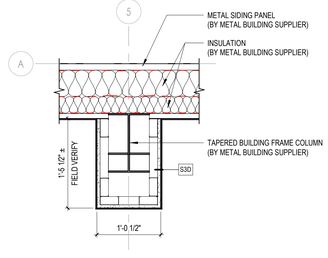
PLAN DETAIL - FIRE BARRIER AT EXTERIOR WALL

3 1" = 1'-0" REF:3/ A100



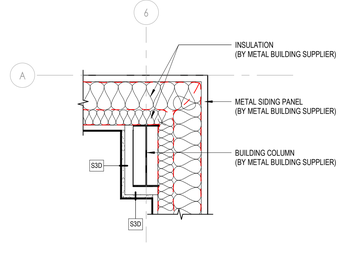
SECTION DETAIL - FLOOR SLAB EXPANSION JOINT

7 1 1/2" = 1'-0" REF:3/ A100



PLAN DETAIL - BUILDING FRAME WALL WRAP

6 1" = 1'-0" REF:3/ A100



PLAN DETAIL - BUILDING FRAME CORNER WRAP

5 1" = 1'-0" REF:3/ A100

EAST TROY
COMMUNITY SCHOOL DISTRICT

WISCONSIN
JASON M RAITEN
11370-5
GLENDALE
ARCHITECT

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2021 West St, East Troy, WI 53120

EAST TROY COMMUNITY SCHOOLS
DESIGN BUILD

PSI PROJECT NO.	30O-K24-3839
DATE:	03 / 27 / 2026
DRAWN BY:	DAB
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No.	DATE	DESCRIPTION
	05-11-2026	CONSTRUCTION SET

REVISIONS

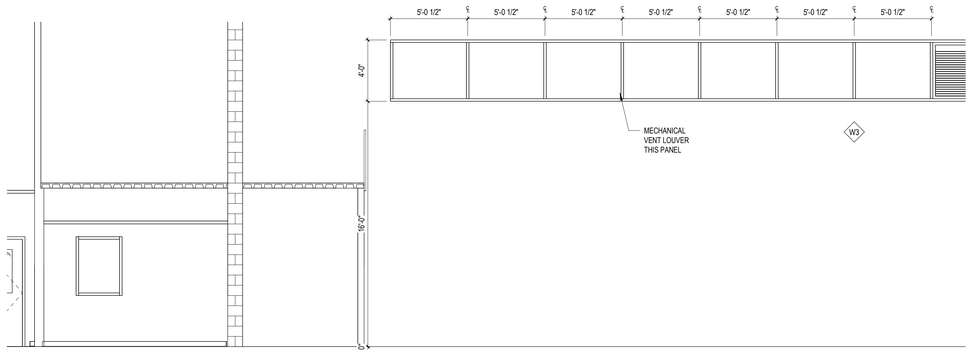
CONSTRUCTION DOCUMENTS

SHEET
A530

DETAILS

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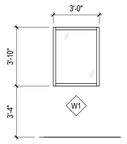
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KALWALL CLERESTORY WINDOW - W3

1/4" = 1'-0"

TYP



TYP

WINDOW TYPE - W1

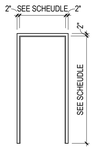
1/4" = 1'-0"

WINDOW TYPE - W2

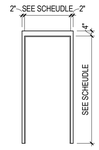
1/4" = 1'-0"

BORROWED LITE - BL1

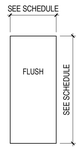
1/4" = 1'-0"



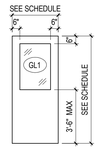
HM1



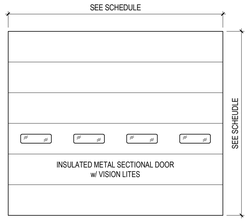
HM2



F



HL



OHSV

REFER TO DOOR SCHEDULE FOR DOOR RATING

DOOR FRAME TYPES

1/4" = 1'-0"

DOOR PANEL TYPES

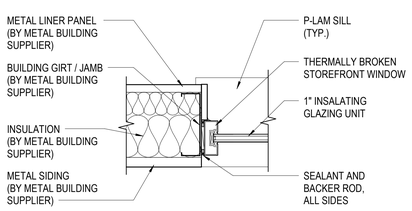
1/4" = 1'-0"

OPENING SCHEDULE

DOOR NO.	PANEL SIZE WIDTH	PANEL SIZE HEIGHT	PANEL TYPE	PANEL MATL	FRAME TYPE	FRAME MATL	FRAME DETAIL HEAD	FRAME DETAIL JAMB	HARDWARE SET	FIRE RATING	NOTES
FIRST FLOOR											
100	3'-0"	7'-0"	HL	HM	HM1	HM	1 / A600	3 / A600	HG1		R1
100A	3'-0"	7'-0"	HL	HM	HM1	HM	1 / A600	3 / A600	HG1		R1
101	3'-0"	7'-0"	HL	WD	HM1	HM	1 / A600	3 / A600	HG2		
102	3'-0"	7'-0"	HL	WD	HM1	HM	1 / A600	3 / A600	HG2		
103	3'-0"	7'-0"	HL	WD	HM1	HM	1 / A600	3 / A600	HG2		
104	3'-0"	7'-0"	F	WD	HM1	HM	1 / A600	3 / A600	HG5		
105	3'-0"	7'-0"	F	WD	HM1	HM	1 / A600	3 / A600	HG3		
107	3'-0"	7'-0"	F	WD	HM1	HM	1 / A600	3 / A600	HG4		
108	3'-0"	7'-0"	F	WD	HM1	HM	1 / A600	3 / A600	HG4		
109	3'-0"	7'-0"	F	HM	HM2	HM	1 / A600	3 / A600	HG6	3 HOUR	INSTALL AS REQ.TO MAINTAIN FIRE BARRIER RATING, U904 (ALT #1 - U419)
109A	14'-0"	12'-0"	OHSV	STL	--	--	--	--	MANUF.		
109B	14'-0"	12'-0"	OHSV	STL	--	--	--	--	MANUF.		
109C	3'-0"	7'-0"	HL	HM	HM1	HM	1 / A600	3 / A600	HG1		R1
109D	3'-0"	7'-0"	F	HM	HM1	HM	1 / A600	3 / A600	HG1		R1
110	3'-0"	7'-0"	F	HM	HM1	HM	1 / A600	3 / A600	HG5		
113	3'-0"	7'-0"	HL	HM	HM1	HM	1 / A600	3 / A600	HG7		
113A	3'-0"	7'-0"	HL	HM	HM1	HM	1 / A600	3 / A600	HG7		
113B	16'-0"	12'-0"	OHSV	STL	--	--	--	--	MANUF.		
113C	16'-0"	12'-0"	OHSV	STL	--	--	--	--	MANUF.		
MEZZANINE											
112	6'-0"	7'-0"	FF	HM	HM2	HM	2/ A600	4/ A600	HG6	3 HOUR	INSTALL AS REQ.TO MAINTAIN FIRE BARRIER RATING, U904 (ALT #1 - U419)

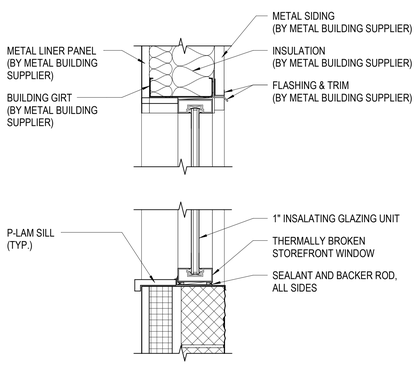
HARDWARE SET MATRIX

HARDWARE SET NO.	SET FUNCTION	HINGES- STANDARD	HINGES-CONTINUOUS	EXIT DEVICES	CYLINDRICAL LOCKS	DEAD BOLT	FLUSH BOLT	SURFACE BOLT	OCCUPANCY INDICATOR	COORDINATORS	CLOSERS	OVERHEAD STOPS	WALL STOPS	FLOOR STOP	HOLDER	POWER DOOR OPERATORS	PROTECTION PLATES	KICK PLATES	MAG HOLD OPEN	ASTRAGALS	THRESHOLDS	WEATHER STRIPPING	DOOR POSITION SWITCH	CARD READER	HARDWARE COMMENTS
HG1	EXTERIOR ENTRY/EXIT SECURE	No				No	No	No	No	No			No	No	No	No		No	No						ELECTRONIC LOCK
HG2	OFFICE		No	No		No	No	No	No	No	No	No		No	No	No	No	No	No	No	No	No	No	No	
HG3	PRIVACY		No	No		No	No		No	No	No		No	No	No	No		No	No	No	No	No	No	No	
HG4	PASSAGE		No	No	No	No	No	No	No	No		No		No	No	No	No	No	No	No	No	No	No	No	
HG5	PASSAGE		No	No	No	No	No	No	No	No		No		No	No	No	No		No	No	No	No	No	No	
HG6	PASSAGE (FIRE RATED)		No	No	No	No	No	No	No	No		No		No	No	No	No		No	No	No	No	No	No	3 HOUR FIRE RATING
HG7	PASSAGE		No	No	No	No	No	No	No	No		No	No	No	No	No	No		No	No	No		No	No	WASH BAY DOORS



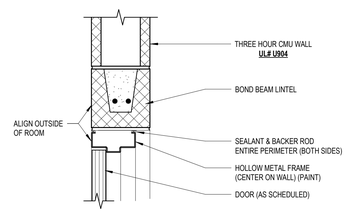
SECTION DETAIL - WINDOW JAMB

5 — 1 1/2" = 1'-0"



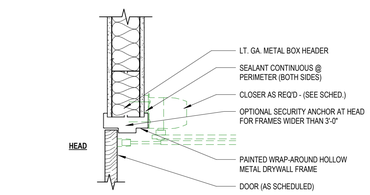
SECTION DETAIL - WINDOW

6 — 1 1/2" = 1'-0" REF:3/ A100



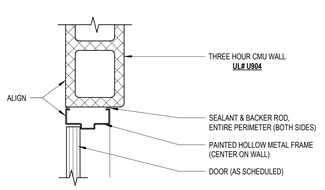
CMU WALL DOOR HEAD

2 — 1 1/2" = 1'-0"



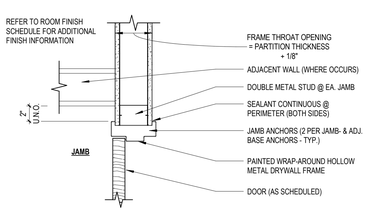
HOLLOW METAL DOOR HEAD

1 — 1 1/2" = 1'-0"



CMU WALL DOOR JAMB

4 — 1 1/2" = 1'-0"



HOLLOW METAL DOOR JAMB

3 — 1 1/2" = 1'-0"

GENERAL DOOR NOTES

DOOR HARDWARE - GENERAL

A. CONDUCT KEYING SCHEDULE MEETING WITH OWNER TO VERIFY KEYING AND HARDWARE OPERATION.

B. PROVIDE ALL HARDWARE SPECIFIED OR REQUIRED TO MAKE DOORS FULLY FUNCTIONAL, COMPLIANT WITH APPLICABLE CODES, AND SECURE TO THE EXTENT INDICATED.

C. HARDWARE DESCRIPTIONS ARE PROVIDED FOR OPERATIONAL INTENT; IF THE HARDWARE SUPPLIER OR CONTRACTOR FIND ANY DISCREPANCIES RELATING TO FUNCTION OR CODE IMPLICATIONS, PLEASE NOTIFY THE ARCHITECT IMMEDIATELY OR PROVIDE INFORMATION IN SUBMITTALS.

D. PROVIDE ALL ITEMS OF A SINGLE TYPE OF THE SAME MODEL BY THE SAME MANUFACTURER. VERIFY PREFERRED MANUFACTURER WITH OWNER.

E. PROVIDE PRODUCTS THAT COMPLY WITH THE FOLLOWING:
1. APPLICABLE PROVISIONS OF FEDERAL, STATE, AND LOCAL CODES.
2. FIRE-RATED DOORS: NFPA 80.
3. PRODUCTS REQUIRING ELECTRICAL CONNECTION SHALL BE LISTED AND CLASSIFIED BY UL AS SUITABLE FOR THE PURPOSE SPECIFIED AND INDICATED.

F. INSTALL HARDWARE ON FIRE-RATED DOORS AND FRAMES IN ACCORDANCE WITH CODE AND NFPA 80.

G. MOUNTING HEIGHTS FOR HARDWARE FROM FINISHED FLOOR TO CENTER LINE OF HARDWARE ITEM. FOR STEEL DOORS AND FRAMES, COMPLY WITH DHI "RECOMMENDED LOCATIONS FOR ARCHITECTURAL HARDWARE FOR STEEL DOORS AND FRAMES."

H. ADJUST HARDWARE FOR SMOOTH OPERATION.

I. IF A DOOR SWINGS AGAINST A WALL: IF NOTHING IS LISTED, PROVIDE A WALL STOP OR ADD INTEGRAL STOP TO THE CLOSER.

J. ELECTRICALLY OPERATED AND/OR CONTROLLED HARDWARE: PROVIDE ALL POWER SUPPLIES, POWER TRANSFER HINGES, RELAYS, AND INTERFACES REQUIRED FOR PROPER OPERATION; PROVIDE WIRING BETWEEN HARDWARE AND CONTROL COMPONENTS AND TO BUILDING POWER CONNECTION.

K. BOXED POWER SUPPLIES: MODULAR UNIT IN NEMA ICS 6, TYPE 4 ENCLOSURE; FILTERED AND REGULATED; VOLTAGE RATING AND TYPE MATCHING REQUIREMENTS OF DOOR HARDWARE SERVED; AND LISTED AND LABELED FOR USE WITH FIRE ALARM SYSTEMS.

L. BOXED POWER SUPPLIES: LOCATE POWER SUPPLIES AS INDICATED OR, IF NOT INDICATED, ABOVE ACCESSIBLE CEILINGS OR IN EQUIPMENT ROOM. VERIFY LOCATION WITH ARCHITECT.

M. AUTOMATIC OPERATORS: AUTOMATIC DOOR OPERATORS, ACTUATOR SWITCHES AND RELATED LOW VOLTAGE HARDWARE ITEMS TO BE PROVIDED AND INSTALLED BY THE HARDWARE SUPPLIER FOR A COMPLETE AND FUNCTIONAL SYSTEM AS DESCRIBED IN THE HARDWARE SETS WHERE THEY OCCUR. 120V POWER SUPPLY TO THE OPENINGS TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR AS SHOWN ON THE DRAWINGS.

DOOR NOTES - GENERAL

A. INSTALL DOORS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND SPECIFIED QUALITY STANDARD. INSTALL FIRE-RATED WOOD DOORS IN ACCORDANCE WITH NFPA 80 REQUIREMENTS.

B. FACTORY-FINISHED DOORS: DO NOT FIELD CUT OR TRIM; IF FIT OR CLEARANCE IS NOT CORRECT, REPLACE DOOR.

C. COORDINATE INSTALLATION OF DOORS WITH INSTALLATION OF FRAMES AND HARDWARE.

D. COORDINATE INSTALLATION OF GLAZING.

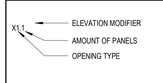
E. BEFORE INSTALLING FACTORY-FINISHED DOORS, RESTORE FINISH AT DOOR EDGES CUT DURING FIELD FITTING.

F. COAT INSIDE OF METAL FRAMES TO BE INSTALLED IN MASONRY OR TO BE GROUTED, WITH BITUMINOUS COATING, PRIOR TO INSTALLATION.

G. SILENCERS: RESILIENT RUBBER, FITTED INTO DRILLED HOLE; 3 ON STRIKE SIDE OF SINGLE DOOR, 3 ON CENTER MULLION OF PAIRS, AND 2 ON HEAD OF PAIRS WITHOUT CENTER MULLIONS.

H. ALL FIRE RATED DOORS SHALL HAVE A CLOSER.

OPENING ELEVATION INDICATOR



ELEVATION MODIFIER
.1 = FLUSH
.2 = SLOT GLAZED
.3 = HALF GLAZED
.4 = FULL GLAZED
.5 = MID RAIL GLAZED
.6 = LOUVER

OPENING SCHEDULE GENERAL NOTES

A. REFER TO SPECIFICATIONS FOR DOOR HARDWARE INFORMATION.

B. DIMENSIONS DO NOT REFLECT THE SIZE OF PACKAGED DOORS. REFER TO OPENING ELEVATIONS.

C. REFER TO ELECTRICAL WIRING DIAGRAMS OF POWERED OPENINGS FOR ADDITIONAL INFORMATION.

D. PROVIDE FIRE RATING EQUIVALENCY IN DOORS, FRAMES AND/OR WINDOWS AS IN ADJACENT PARTITION.

E. CONTRACTORS ARE REQUIRED TO FIELD VERIFY EXISTING OPENING CONDITIONS & DIMENSIONS PRIOR TO ANY FABRICATION OR CONSTRUCTION. IF EXISTING CONDITIONS ARE DIFFERENT THAN SHOWN, NOTIFY A/E IMMEDIATELY.

MATERIAL ABBREVIATIONS

ETR	EXISTING TO REMAIN	LG	LAMINATED GLASS
HM	HOLLOW METAL	VG	EXTERIOR VISION GLASS
WD	SOLID CORE WOOD	SG	SPANDREL GLASS
GL	GLASS	BL	BORROWED LIGHT

GLASS TYPES

G1	CLEAR GLASS
G2	FIRE-RATED GLASS
G3	ONE-WAY VISION GLASS
G4	DECORATIVE GLASS
LG1	LAMINATED CLEAR GLASS
LG2	LAMINATED GLASS, TRANSLUCENT PATTERNING
VG	VISION GLASS

REMARKS

R1	CARD READER THIS LOCATION. PROVIDE ROUGH-INS WITHIN NEW FRAME AS REQUIRED TO CONCEAL ALL WIRING/CONDUIT.

EAST TROY COMMUNITY SCHOOL DISTRICT

WISCONSIN
JASON M RAITEN
11370-5
GLENDALE
WI
ARCHITECT

SIGNATURE

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Performance Services

New Construction of

EAST TROY TRANSPORTATION BUILDING

2021 West St, East Troy, WI 53120

EAST TROY COMMUNITY SCHOOLS

DESIGN BUILD

PSI PROJECT NO.	30D-K24-3839
DATE:	03 / 27 / 2026
DRAWN BY:	DAB
CHECKED BY:	JMR

No.	DATE	DESCRIPTION
1	06-12-2026	ASI 01
	05-11-2026	CONSTRUCTION SET

REVISIONS

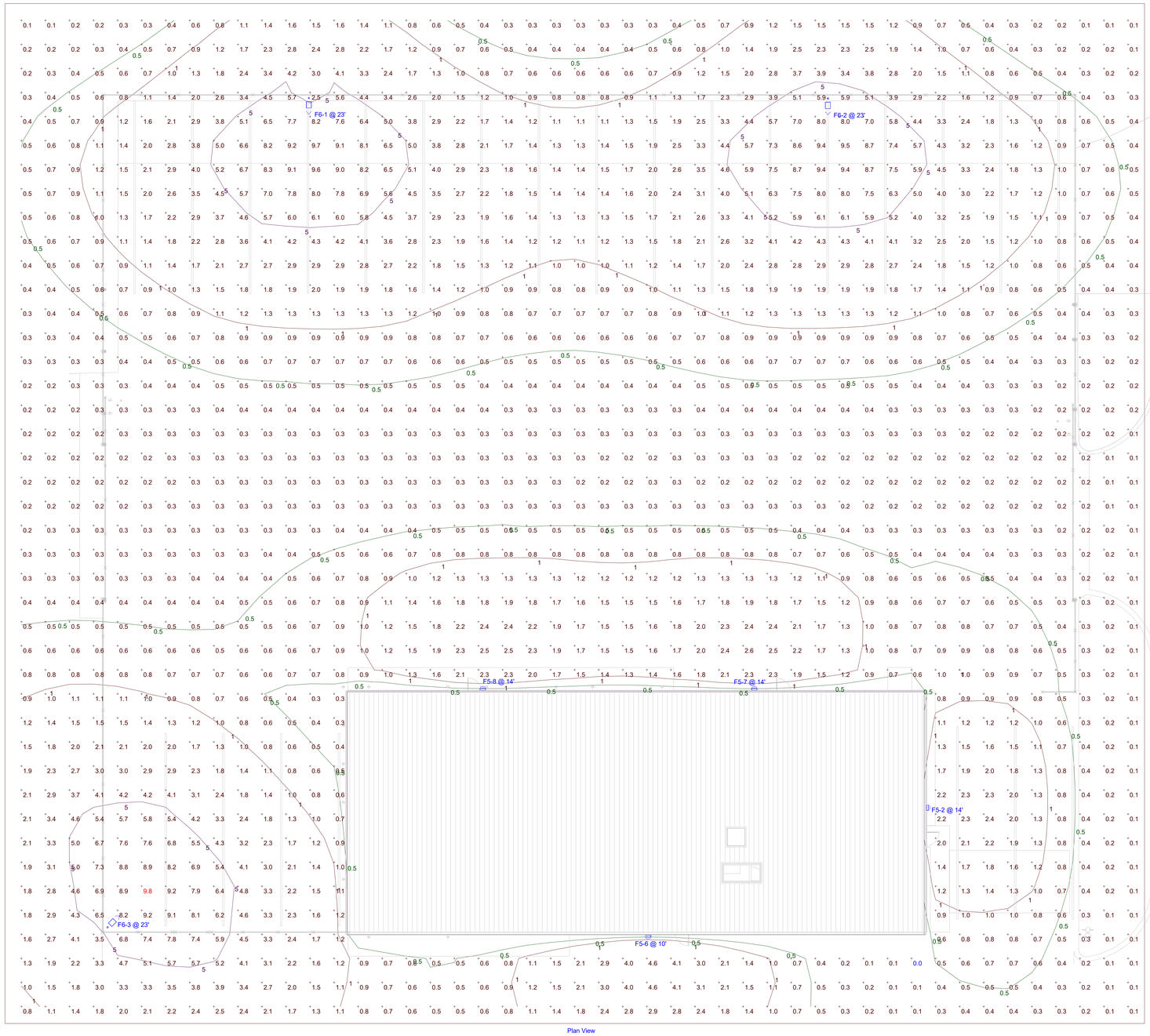
CONSTRUCTION DOCUMENTS

SHEET

A600

OPENING INFORMATION

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Plan View
Scale - 1" = 10ft

Lamp

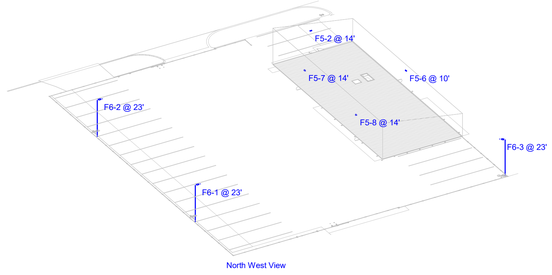
Label	QTY	Catalog Number	Description	Number Lamps	Lumens per Lamp	LLF	Wattage
F5	4	DSXW1 LED P5 30K 70CRI T3M HS	6000 3000K 70CRI Type 3 Medium	1	4183	0.9	37.19
F6	3	EAX2 ALO 30K T4 EGSR	EAX2 Area Luminaire ALO Package (MAX default setting) 3000K CCT Type 4 External glare 3 sided shield (rear facing)	1	22839	0.9	213

Max/Min

Description	Symbol	Avg	Max	Min	Avg/Max
Calc Zone #1	+	1.5 fc	9.8 fc	0.0 fc	0.2:1

Luminaire Locations

No.	Label	MH	Orientation	Tilt
2	F5	14'	90.00	0.00
6	F5	10'	180.00	0.00
7	F5	14'	0.00	0.00
8	F5	14'	0.00	0.00
1	F6	23'	180.00	0.00
2	F6	23'	180.00	0.00
3	F6	23'	45.28	0.00



North West View

1 TRANSPORTATION BUILDING SITE PHOTOMETRIC
SCALE: 12" = 1'-0"

WE RECYCLE

EAST TROY
COMMUNITY SCHOOL DISTRICT

SIGNATURE

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Performance Services

New Construction of
EAST TROY TRANSPORTATION BUILDING
2021 West St, East Troy, WI 53120

EAST TROY COMMUNITY SCHOOLS
DESIGN BUILD

PSI PROJECT NO.	30O-K24-3839
DATE:	05. 11. 2026
DRAWN BY:	JNF
CHECKED BY:	Checker

No.	DATE	DESCRIPTION
1.	7/01/2026	ASI 2

REVISIONS

CONSTRUCTION SET

SHEET
E101

SITE PHOTOMETRIC PLAN

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d-series

D-Series Size 1
LED Wall Luminaire

Catalog Number

Notes

Type

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

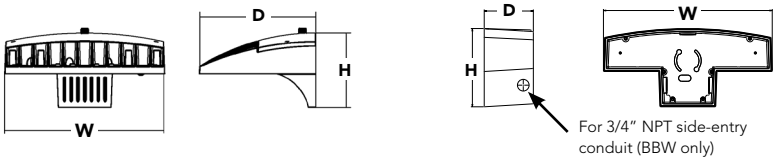
Specifications

Luminaire

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

Back Box (BBW, E20WC)

Width:	13-3/4" (34.9 cm)	**BBW Weight:**	5 lbs (2.3 kg)
Depth:	4" (10.2 cm)	**E20WC Weight:**	10 lbs (4.5 kg)
Height:	6-3/8" (16.2 cm)		



Introduction

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

With an expected service life of over 20 years of nighttime use and significant energy savings, the D-Series Wall is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Ordering Information

EXAMPLE: DSXW1 LED P2 40K 70CRI T3M MVOLT SRM DDBTXD

DSXW1 LED

Series	Lumen Package	CCT	CRI	Distribution	Voltage	Mounting	Control Options
DSXW1 LED	P1 2000 Lumens P2 2200 Lumens P3 3200 Lumens P4 4300 Lumens P5 5200 Lumens P6 7200 Lumens P7 10000 Lumens	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K 57K 5700K AMBPC Amber PC [3] AMBLW Amber LW [1,3]	70CRI 70CRI 80CRI 80CRI [2] AMCRI Amber CRI	T2S Type 2 Short T2M Type 2 Medium T3LG Type 3 Low Glare [4] T3M Type 3 Medium T4M Type 4 Medium TFTM Forward Throw Medium BLC3 Back Light Control Type 3 [4] BLC4 Back Light Control Type 4 [4]	MVOLT 120 [5] 208 [5] 240 [5] 277 [5] 347 [5,6] 480 [5,6] HVOLT [6]	**Shipped included** SRM Surface mounting bracket BBW Surface-mounted back box (for conduit entry) [7]	**Shipped installed** PE Photoelectric cell, button type [8] DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) PIR 180° motion/ambient light sensor, <15' mtg ht [9] PIRH 180° motion/ambient light sensor, 15-30' mtg ht [9] PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc [9] PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc [9] E20WC 20 Watt Emergency battery backup (includes external component enclosure), CA Title 20 Compliant [10] E10WH 10 Watt Emergency battery backup (includes external component enclosure), CA Title 20 compliant [10]

Other Options

Shipped installed

SF	Single fuse (120, 277 or 347V) [5,11]
DF	Double fuse (208, 240 or 480V) [5,11]
HS	House-side shield [12]
SPD	Separate surge protection

Shipped separately [12]

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

Finish *(required)*

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

Accessories

Ordered and shipped separately.

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

NOTES

1 Only available with P1 and P6 Packages.
2 Not available with 57K.
3 Only Available with AMCRI.
4 Not available with HS Option.
5 Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
6 Not available with P1 package. Not available with motion/ambient light sensors (PIR or PIRH). Not Available with DMG.
7 Back box ships installed on fixture. Cannot be field installed. Cannot be ordered as an accessory. Not Available with E20WC or E10WH.
8 Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
9 Reference Motion Sensor table on page 3. Not available with DMG.
10 Not compatible with conduit entry applications. Not available with BBW mounting option. Not available with SF and DF fusing. Not available with 347, 480, HVOLT voltage options. Emergency components located in back box housing. Not available with SPD.
11 Not available with E20WC and E10WH.
12 Also available as a separate accessory; see Accessories information.

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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.

Package	Dist. Type	System Watts	30K, 70CRI		40K, 70CRI		50K, 70CRI	
			Lumens	LPW	Lumens	LPW	Lumens	LPW
P1	T2M	12	1,840	149	1,965	159	1,993	161
	T3M	12	1,786	144	1,908	154	1,934	156
	T4M	12	1,821	147	1,946	157	1,973	159
	TFTM	12	1,816	147	1,940	157	1,967	159
	BLC4	12	1,382	112	1,476	119	1,497	121
P2	T2M	15	2,189	150	2,339	160	2,371	163
	T3M	15	2,126	146	2,271	156	2,302	158
	T4M	15	2,168	149	2,316	159	2,348	161
	TFTM	15	2,161	148	2,309	158	2,341	161
	BLC4	15	1,645	113	1,757	121	1,781	122
P3	T2M	21	3,064	146	3,273	155	3,318	158
	T3M	21	2,974	141	3,177	151	3,222	153
	T4M	21	3,033	144	3,240	154	3,285	156
	TFTM	21	3,024	144	3,231	153	3,275	156
	BLC4	21	2,302	109	2,459	117	2,493	118
P4	T2M	29	3,997	139	4,269	149	4,329	151
	T3M	29	3,880	135	4,145	145	4,203	147
	T4M	29	3,957	138	4,227	147	4,286	149
	TFTM	29	3,945	138	4,214	147	4,273	149
	BLC4	29	3,002	105	3,207	112	3,252	113
P5	T2M	37	4,977	134	5,317	143	5,391	145
	T3M	37	4,832	130	5,162	139	5,233	141
	T4M	37	4,928	132	5,264	142	5,337	144
	TFTM	37	4,913	132	5,248	141	5,321	143
	BLC4	37	3,739	101	3,994	107	4,050	109
P6	T2M	48	6,867	142	7,335	152	7,437	154
	T3M	48	6,667	138	7,122	148	7,220	150
	T4M	48	6,798	141	7,262	151	7,363	153
	TFTM	48	6,778	140	7,241	150	7,341	152
	BLC4	48	5,158	107	5,511	114	5,587	116
P7	T2M	73	9,819	135	10,490	145	10,635	147
	T3M	73	9,533	131	10,184	140	10,325	142
	T4M	73	9,722	134	10,385	143	10,529	145
	TFTM	73	9,693	134	10,354	143	10,498	145
	BLC4	73	7,377	102	7,880	109	7,989	110

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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
10°C	50°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.98

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **DSXW1 LED P7** 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	0.91	0.82

Electrical Load

Performance Package	LEDs	Drive Current (mA)	System Watts	Current (A)					
				120V	208V	240V	277V	347V	480V
DSXW1 P1	10	375	12	0.10	0.06	0.05	0.04	-	-
DSXW1 P2	10	450	15	0.12	0.07	0.06	0.05	0.04	0.03
DSXW1 P3	10	650	21	0.18	0.10	0.09	0.08	0.06	0.05
DSXW1 P4	10	875	29	0.24	0.14	0.12	0.10	0.08	0.06
DSXW1 P5	10	1125	37	0.30	0.18	0.16	0.14	0.11	0.08
DSXW1 P6	20	750	48	0.39	0.24	0.20	0.18	0.14	0.10
DSXW1 P7	20	1150	73	0.60	0.36	0.31	0.27	0.21	0.15

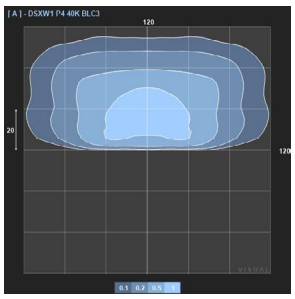
Motion Sensor Default Settings						
Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3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

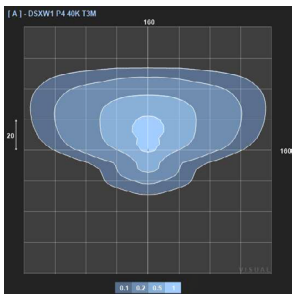
*For use when motion sensor is used as dusk to dawn control

Photometric Diagrams

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

Isofootcandle plots for the DSXW1 LED P4 40K. Distances are in units of mounting height (20').





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. IP66 rated light engine.

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 multiple CCTs and CRIs including Amber for specialized applications.

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 6KV surge rating. Driver is 0-10V dimming. 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) 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 to confirm which versions are qualified.

GOVERNMENT PROCUREMENT

BAA – Buy American Act: This product is available in a version that qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS.
BABA – Build America Buy America: This product is available in a version that qualifies as produced in the United States under the definitions of the Build America, Buy America Act, as implemented by 2 C.F.R. Part 184 and other agency implementing regulations, including Department of Transportation regulations.
Please refer to www.acuitybrands.com/resources/buy-american for additional information.

WARRANTY

Five-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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

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EAX2

LED Area Luminaire

Catalog Number

Notes

Type

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

Specifications

EPA (ft²@0°): 0.70 ft2 (0.07 m2)

Length: 31.79" (80.7 cm) (SRA mount)

Width: 13.9" (35.3 cm)

Height: 3.2" (8.2 cm) Main Body
7.3" (18.5 cm) Arm

Weight: 17 lbs (7.7 kg) (SRA mount)

Introduction

The EAX family provides the best combination of switchable technology including adjustable lumens, switchable CCT color temperature and exclusive four-optic SwitchOptics™ providing Type II, III, IV and V distribution patterns; all from a single luminaire. This vast feature-set allows maximum flexibility while managing the lowest possible SKU counts on the shelf or in-field on area lighting projects.

The EAX2 delivers 18,000 to 30,000 lumens. It is a great choice for lighting new sites or retrofit of existing HID area luminaires while providing long service life and fast payback. Choice of six different modular mountings offer a variety of labor savings features including "no-drill" mounting arms that fit the majority of existing pole drillings.

EAX2 Stock Luminaires with Mount Included

Catalog	Lumens (set on max)	Watts (set on max)	CCT (set on 40K)	Optics (set on T3)	Voltage	Mounting Type	Finish	CI Code	UPC	Pallet Qty
EAX2 ALO SWW2 SO UVOLT UPM PER DDB	18,000 - 30,000	114 - 210	30K/40K/50K	T2, T3, T4, T5	120-347V	UPM ships included	Dark Bronze	*292P7G	00198934597946	24
EAX2 ALO SWW2 SO UVOLT IS PER DDB	18,000 - 30,000	114 - 210	30K/40K/50K	T2, T3, T4, T5	120-347V	IS ships included	Dark Bronze	*292P7E	00198934597908	24

EAX2 Stock Luminaires Less Mount L/M (order mount separately, see mounting accessories)

Catalog	Lumens (set on max)	Watts (set on max)	CCT (set on 40K)	Optics (set on T3)	Voltage	Mounting Type	Finish	CI Code	UPC	Pallet Qty
EAX2 ALO SWW2 SO UVOLT L/M DDB	18,000 - 30,000	114 - 210	30K/40K/50K	T2, T3, T4, T5	120-347V	order mount separately	Dark Bronze	*292P70	00198934597809	24
EAX2 ALO SWW2 SO UVOLT L/M BL	18,000 - 30,000	114 - 210	30K/40K/50K	T2, T3, T4, T5	120-347V	order mount separately	Black	*292P76	00198934597809	24
EAX2 ALO SWW2 SO UVOLT L/M WH	18,000 - 30,000	114 - 210	30K/40K/50K	T2, T3, T4, T5	120-347V	order mount separately	White	*292P79	00198934597878	24

Notes:) PER NEMA photocell receptacle + shorting cap is standard on units shipped with mount included. 2) Units with L/M do not include mount in carton. Order mount on separate line (see accessories). 3) Acuity TLS twist-to-lock type sensor receptacle is standard on all luminaires. 4) Black (BL) and white (WH) finish only available on L/M type luminaires, held only at select distribution centers (check availability).

EAX Mounting Accessories (select one when ordering L/M luminaire - ships on separate line, match finish)

Catalog	Description	Finish	CI Code	UPC	Pallet Qty
EAX UPM DDB M6	Universal tilt arm square/round & pole top tenon mount	Dark Bronze	*292P92	00198934598424	240
EAX SRA DDB M6	Standard square and round pole arm	Dark Bronze	*292P95	00198934598431	240
EAX IS DDB M6	Adjustable slipfitter	Dark Bronze	*292P9E	00198934598530	360
EAX ASRP DDB M6	Adjustable tilt square and round pole arm	Dark Bronze	*292P9G	00198934598547	270
EAX WBA DDB M6	Wall bracket adapter	Dark Bronze	*292P9H	00198934598554	270
EAX YK DDB M6	Adjustable yoke	Dark Bronze	*292P9J	00198934598561	300
EAX UPM BL M6	Universal tilt arm square/round & pole top tenon mount	Black	*292P9M	00198934598639	240
EAX SRA BL M6	Standard square and round pole arm	Black	*292P9U	00198934598653	240
EAX IS BL M6	Adjustable slipfitter	Black	*292P9V	00198934598677	360
EAX ASRP BL M6	Adjustable tilt square and round pole arm	Black	*292PA5	00198934598752	270
EAX WBA BL M6	Wall bracket adapter	Black	*292PA7	00198934598783	270
EAX YK BL M6	Adjustable yoke	Black	*292PA9	00198934598806	300
EAX UPM WH M6	Universal tilt arm square/round & pole top tenon mount	White	*292PAC	00198934598820	240
EAX SRA WH M6	Standard square and round pole arm	White	*292PAF	00198934598851	240
EAX IS WH M6	Adjustable slipfitter	White	*292PAJ	00198934598868	360
EAX ASRP WH M6	Adjustable tilt square and round pole arm	White	*292PAK	00198934598882	270
EAX WBA WH M6	Wall bracket adapter	White	*292PAN	00198934598899	270
EAX YK WH M6	Adjustable yoke	White	*292PAR	00198934598943	300

Notes: 1) Mounting accessory required when ordering L/M type luminaires (available in master pack of 6, ships on separate line, match finish). 2) Mounting accessories include all necessary hardware to attach to and install luminaire. 3) Black (BL) and white (WH) finish only available on L/M type luminaires, held only at select distribution centers (check availability).

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Design Select options indicated by this color background.

Ordering Information Configurable

EXAMPLE: EAX2 ALO SWW2 SO XVOLT SRA PER DDB

EAX2

Series	Package	Color Temperature	Distribution (Optics)	Voltage	Mounting
EAX2	ALO[1] 30,000 lumens (default setting) P4 27,000 lumens P3 24,000 lumens P2 21,000 lumens P1 18,000 lumens (nominal lumens by setting)	SWW2[1] 4000K (default setting) 30K 3000K 50K 5000K	SO[1] Switchable optics (default setting T3-Type III) T2 Type II T4 Type IV T5 Type V	UVOLT[2] 120-347V XVOLT[3] 277-480V	SRA Square/round pole standard arm (fits 3.5" min SQ and 3" min dia. RND poles) IS Adjustable slipfitter (fits 2 3/8" OD tenon) ASRP Adjustable tilt square/round arm (fits 3.5" min SQ and 3" min dia. RND poles) Choose (1) mounting (PER and mount ships included) (dark bronze only)[6] L/M[7] Less mount Order mount separately (PER not included) (available in dark bronze, black and white)

Options	Other Configured Options	Finish
PER[6,9,10] 3-wire twist-lock photocell receptacle (included as standard when chosen with one of these mounting options UPM, IS, SRA, ASRP)	PER7[9,10,11,12,13] 7-wire twist-lock photocell receptacle DMG[12,13] 0-10V dimming cord SPD10KV 10KV surge protection PIRH[13,16] TLS ODP occupancy dimming/photocell provides ambient dusk-to-dawn and motion sensor dimming (100/30%) for 15-40' mounting heights. NLTAIR2 PIRH[13,16] Embedded wireless controls nLight AIR gen 2, PIR motion and on/off photocell for 15'-40' mounting heights (ships installed) PE12[14] Twist-lock Photocontrol 120-277V (ships included) PE3[14] Twist-lock Photocontrol 347V (ships included) PE4[14] Twist-lock Photocontrol 480V (ships included)	DDB Dark Bronze BL[8] Black (Available with L/M configurations only) WH[8] White (Available with L/M configurations only)

Accessories

Ordered and shipped separately.

*292PAW	EAX2HSEGSBL M6	EAX2 House side and external glare shield kit, black finish
*220XM7	DLL127F 1.5 CUL JU	Photocell -SSL twist-lock (120-277V)
*219NHA	DLL347F 1.5 CUL JU	Photocell -SSL twist-lock (347V)
*219NHE	DLL480F 1.5 CUL JU	Photocell -SSL twist-lock (480V)
*232TL4	DSHORT SBK U	Shorting cap
*251FY6	AS3-5 490 DDBXD	Pole top tenon adapter 2 3/8" tenon 4 @ 90
*2948GT	TLS ODP BK	Twist-to-lock sensor, outdoor, black
*2948GS	TLS ODP WH	Twist-to-lock sensor, outdoor white
*289T19	IWP	Infrared wireless remote

design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

NOTES

1. See default settings under package, color temperature and optics. Other settings can be adjusted via switch in the field.
2. UVOLT driver operates on any line voltage from 120-347V (50/60 Hz).
3. XVOLT driver operates on any line voltage from 277-480V (50/60 Hz).
4. YK and WBA mount can be purchased as accessories or combined on same order with (L/M) less mount luminaires.
5. Acuity twist-to-lock type sensor receptacle is standard on all luminaires.
6. PER + shorting cap standard on luminaires with mounting included in same shipping carton (available in dark bronze finish only). Not available with L/M, use PER7.
7. Units with L/M do not include mounting with luminaire. Order mount as separate line item (see accessories).
8. Black (BL) and white (WH) finish only available on L/M type luminaires. Held only at select distribution centers.
9. Luminaires with option PER and PER7 do not include control as standard, order option (PE12, PE3, or PE4) included in carton or as accessory as separate line item (see other options).
10. For units with option PER and PER7, the luminaire must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010. If aiming above 45 degree tilt, use EAX luminaires with configuration L/M.
11. PER7 is compatible with standard twist-lock photocells for dusk to dawn operation or advanced control nodes that provide 0-10V dimming signals. Wire 4/Wire 5 wired to dimming leads on driver. Wire6/Wire7 capped inside luminaire.
12. With option PER7 or DMG, the TLS sensor receptacle wires are disconnected allowing its connection directly to the driver dimming leads.
13. Following options are not available/cannot share driver dimming leads in combination: PER7, DMG, PIRH, NLTAIR2.
14. Option PE12, PE3 or PE4 photocells require one of option PER or PER7. PE4 requires option XVOLT.
15. All EAX luminaires are to be installed and aimed facing downward, for down lighting only.
16. Sensor body finish available in black for combination with DDB and BL luminaires. Also available in white for combination with WH luminaires.

External Shields



House Side / External Glare Shield Kit
(Note: Shield is reversible, can be used rear and forward facing. Single back panel used as (HS) house side shield)



Three Sided External Glare Shield
(EGSR rear facing)



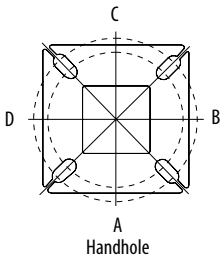
House Side Shield
(HS)

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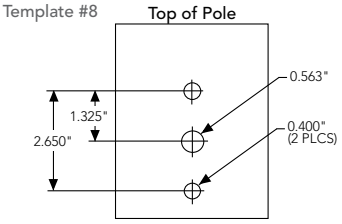
Pole/Mounting Informatiion

Accessories including bullhorns, cross arms and other adapters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit Accessories.

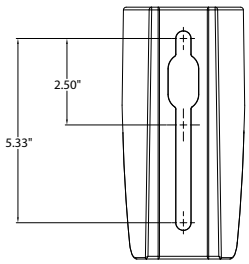
HANDHOLE ORIENTATION



EAX SRA AND ASRP POLE DRILLING

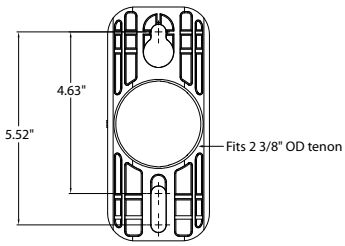


SRA STANDARD ARM AND ASRP ADJUSTABLE ARM
(on-center pole drilling range)



SRA

UPM Mount / Drilling Dimensions



Round Tenon Mount - Pole Top Slipfitters

Tenon O.D.	EAX Mounting	Single	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2 - 3/8"	SRA, ASRP	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 320	AS3-5 390	AS3-5 490
2 - 7/8"	SRA, ASRP	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	SRA, ASRP	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

Drill/Side Location by Configuration Type

Drilling Template	Mounting Option	Single	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
	Head Location	Side B	Side B & D	Side B & C	Round Pole Only	Side B, C & D	Side A, B, C & D
#8 drilling (used with SRA or ASRP arms)	**Drill Nomenclature**	DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS

EAX2 - 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	2 @ 90	2 @ 180	3 @ 90	3 @ 120	4 @ 90	2 Side by Side	3 Side by Side	4 Side by Side
Mounting Type	**Tilt**									
SRA - Square / Round Pole Arm	0 °	0.70	1.24	1.41	1.89	1.68	1.56	1.07	1.58	2.07
Covers following mounting types: **IS -** Adjustable Slipfitter **ASRP -** Adjustable Square / Round Pole Arm **UPM -** Universal Tilt Square / Round & Pole Top Tenon Arm	0 °	0.70	1.24	1.41	1.89	1.68	1.56	1.07	1.58	2.07
	10°	0.87	1.74	1.74	2.23	2.21	2.57	1.67	2.61	3.52
	20°	1.25	2.44	2.50	3.24	3.25	3.96	2.50	4.04	5.53
	30°	1.68	3.12	3.28	4.30	4.25	5.26	3.37	5.27	6.76
	40°	2.10	3.72	4.02	5.31	5.16	6.40	4.19	6.29	8.39
	50°	2.45	4.25	4.65	6.13	5.93	7.33	4.87	7.35	9.80
	60°	2.73	4.66	5.13	6.74	6.56	7.97	5.46	8.20	10.93
	70°	2.94	4.95	5.44	7.15	7.05	8.26	5.87	8.81	11.76
	80°	3.03	5.01	5.47	6.77	7.10	7.87	6.07	9.11	12.15
	90°	3.06	5.05	5.51	6.30	7.21	6.94	6.13	9.21	12.28

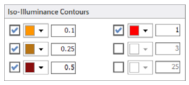
Note: EPA for EAX2HSEGS house side/glare shield accessory installed on EAX2 luminaire is 1.18 sq.ft. at 0° tilt.

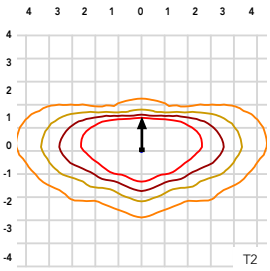
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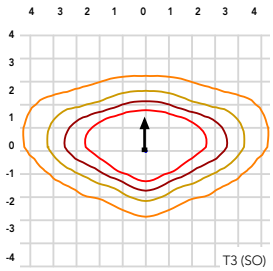
Photometric Diagrams

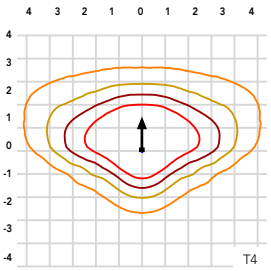
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's EAX Area homepage.

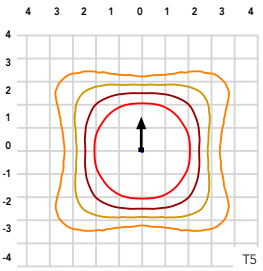
Isofootcandle plots for the EAX2 ALO SWW2. Distances are in units of mounting height (25').











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 applicable tolerances. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts (nominal)	Distribution Type	30K (3000K, 70 CRI)					*40K (SWW2) (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	114	T2	17,752	3	0	3	153	18,834	3	0	3	164	18,072	3	0	3	155
		*SO (T3)	18,024	3	0	4	164	19,166	3	0	4	175	18,556	3	0	4	169
		T4	17,350	3	0	4	150	18,368	3	0	5	160	17,622	3	0	4	151
		T5	17,574	4	0	3	153	18,665	4	0	3	164	17,910	4	0	3	155
P2	133	T2	20,238	3	0	3	149	21,744	4	0	4	161	20,539	3	0	3	150
		*SO (T3)	20,646	3	0	4	162	22,246	3	0	4	173	21,251	3	0	4	167
		T4	19,813	3	0	5	146	21,239	3	0	5	157	20,026	3	0	5	147
		T5	19,993	4	0	3	149	21,547	4	0	3	161	20,314	4	0	3	150
P3	154	T2	22,774	4	0	4	146	24,744	4	0	4	157	23,019	4	0	4	146
		*SO (T3)	23,296	3	0	4	160	25,363	3	0	5	172	23,912	3	0	4	164
		T4	22,201	3	0	5	142	24,104	3	0	5	154	22,395	3	0	5	143
		T5	22,370	4	0	3	146	24,385	4	0	3	157	22,688	4	0	3	146
P4	169	T2	24,076	4	0	4	141	26,326	4	0	4	154	24,362	4	0	4	142
		*SO (T3)	25,728	4	0	4	160	28,150	4	0	5	172	26,304	4	0	4	164
		T4	24,349	3	0	5	141	26,570	3	0	5	153	24,505	3	0	5	141
		T5	24,459	4	0	3	144	26,809	4	0	3	156	24,407	4	0	3	143
*ALO	210	T2	29,156	4	0	4	136	32,438	4	0	4	149	29,328	4	0	4	136
		*SO (T3)	30,152	4	0	4	154	33,673	4	0	5	167	30,826	4	0	4	157
		T4	28,232	3	0	5	132	31,259	3	0	5	144	28,099	3	0	5	131
		T5	28,056	4	0	2	134	31,406	5	0	3	147	28,246	4	0	2	133

* Indicates default setting on luminaire configurations when ordered as ALO SWW2 SO

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ALO-Watts/ SWW2 CCT Switching Diagram

Luminaire Default Settings

ALO = Lumens / watts (set on high)
SWW2 = 4000 CCT (set on 40K)



SO SwitchOptics™ 4-Optic Switching

Luminaire Default Settings

SO = T3 (set on Type III)



SWITCHABLE SETTINGS	EAX2	
Feature Type / Setting	Lumens	Watts
*ALO - Max (Adjustable lumen output)	30,000	210
P4	27,000	169
P3	24,000	154
P2	21,000	133
P1 - Min (lowest setting)	18,000	114
SWW2 - Switchable Color Temperature (CCT)	3000K / *4000K / 5000K	
SO - Switchable Optics	T2 / *T3 / T4 / T5	

Note: * Indicates default factory setting.
Watts and lumens are nominal values.

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from -30°C - 40°C (-22°F - 104°F)

Ambient Temperature		Lumen Multiplier
-30° C	-22° F	1.05
-20° C	-4° F	1.03
-10° C	14° F	1.02
0° C	32° F	1.01
10° C	50° F	1.01
20° C	68° F	1.00
25° C	77° F	1.00
30° C	86° F	0.99
40° C	104° F	0.98

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.

Projected Lumen Maintenance			
0 Hrs	25,000 Hrs	50,000 Hrs	100,000 Hrs
100%	93%	87%	76%

Electrical Load - UVOLT (120-347V)

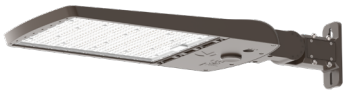
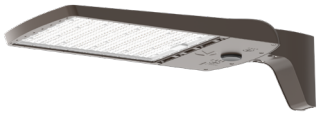
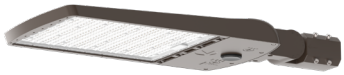
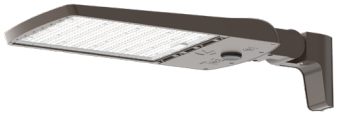
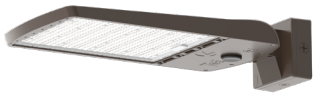
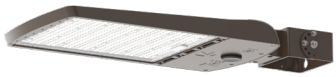
Performance Package	System Watts	Current(A)				
		120V	208V	240V	277V	347V
P1	114W	0.9	0.54	0.46	0.4	0.34
P2	133W	1.1	0.64	0.55	0.48	0.4
P3	154W	1.27	0.71	0.62	0.53	0.45
P4	169W	1.44	0.82	0.7	0.60	0.49
ALO-Max	210W	1.8	0.99	0.85	0.75	0.61

Electrical Load - XVOLT (277 - 480V)

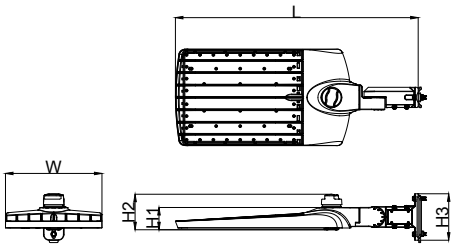
Performance Package	System Watts	Current(A)		
		277V	347V	480V
P1	114W	0.41	0.33	0.27
P2	133W	0.48	0.39	0.3
P3	154W	0.56	0.45	0.34
P4	169W	0.61	0.49	0.37
ALO-Max	210W	0.77	0.61	0.45

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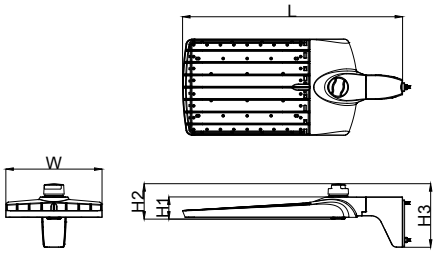
Dimensions and Weights

EAX1 Luminaire + Mounting Option	Mounting Description	Luminaire Total Weight (lbs)	Image	DIMENSIONS (inches) Length	Width	Height (H1) (main body)	Height (H2) (w/ shorting cap)	Max Height (H3) (w/ arm & shrt cap)
L/M	Less mount	14	N/A	26.48	13.90	3.21	N/A	N/A
UPM	Universal pole mount arm with tilt, square / round & pole top 2-3/8" tenon mount	19		34.97			5.12	6.69
SRA	Square / round pole standard arm mount	17		31.79				9.18
IS	Adjustable slipfitter for 2-3/8" OD tenon	18		34.49				5.12
ASRP	Adjustable arm with tilt for square / round pole	18		34.02				9.09
WBA	Wall bracket with 3/4" surface conduit hubs	18		29.63				7.00
YK	Yoke mount	18		32.82				5.12

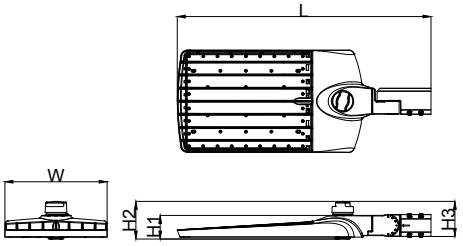
Note: Line drawings for reference, see chart for weight overall dimensions by mounting type.



Universal Tilt Round / Square Pole Top Tenon Mount
(UPM)

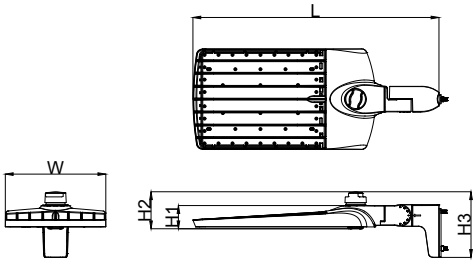


Square / Round Pole Mount
(SRA)

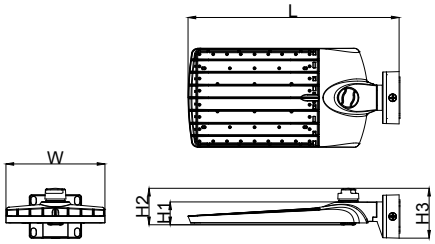


Adjustable Slipfitter
(IS)

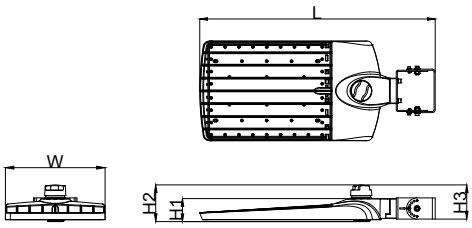
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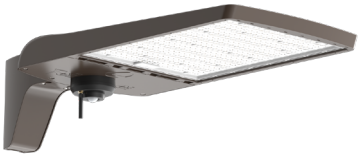
Adjustable Round / Square Mount
(ASRP)



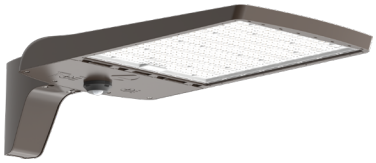
Wall Bracket with Surface Conduit
(WBA)



Yoke Mount
(YK)



EAX2 with option NLTAIR2 PIRH



EAX2 with option PIRH (TLS Sensor)

NLTAIR2 PIRH Default Settings

OUT-OF-THE-BOX SETTINGS
Occupancy Enabled / To Dim State: 7.5 Minutes
High Trim Occupied Dim Level: 100%
Low Trim Unoccupied Dim Level: 30%
Photo Control Enabled / Setpoint: 2.5fc
Dimming Fade Rate: 5 minutes
Photocell Transition Time Off: 5 minutes
Photocell Transition Time On: 45 seconds

*Settings are adjusted using ClarityProTM App

TLS ODP Default Settings

OUT-OF-THE-BOX, FIELD-SETTABLE DEFAULTS:
Occupancy: 10-minutes
High Trim: 100%
Photocell setpoint: 3 fc

OUT-OF-THE-BOX, FIXED DEFAULTS:
Low Trim: 30% (static value)
Fade Down Rate1: 30 seconds
Photocell Transition2 Time Off : 5 minutes
Photocell Transition3 Time On: 30 seconds

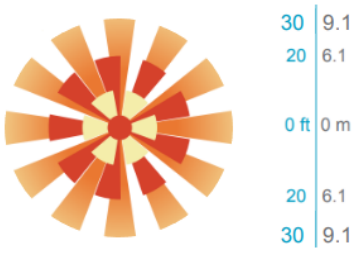
*Field-settable settings can be adjusted using the IWP accessory (infrared wireless remote)

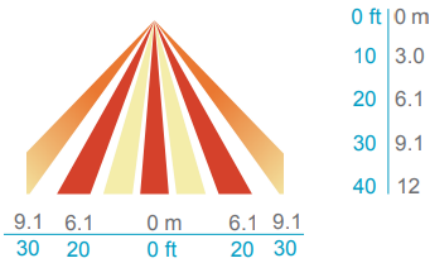
sensorswitch

1. Time period from when motion time delay expires to when lights are at low trim level.
2. The time period after the photocell measures a light level above the set-point (+ deadband) that it will turn lights off.
3. The time period after the photocell measures a light level below the set-point that it will turn lights on

*Visit TLS ODP for more information

Sensor Detection Pattern





- Sensor detection / coverage pattern is based on luminaire at 0° orientation. The sensor is designed to perform effectively across typical tilt angles, though the coverage pattern will adjust with orientation.
- Reliable detection of large motion (e.g. pedestrian walking traffic) up to 30 ft. (9.1 m) mounting height
- Reliable detection of extra-large motion (e.g. vehicular) up to 40 ft. (12 m) mounting height
- Tested to NEMA WD 7-2011

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FEATURES & SPECIFICATIONS

INTENDED USE
The EAX family offers a site wide solution providing everything needed to light new exterior sites and retrofit existing HID area luminaires using the fewest amount of configurations. EAX features the broadest range of on-board switchable technology to adjust lumens, color temperature and now, uses exclusive SwitchOptics™, providing four-optic switching, including Type II, III, IV and V distributions, all from the same luminaire. This superior flexibility allows for fast and easy installation while helping reduce SKU counts and inventory costs. EAX is a great choice for new and retrofit pole mount

CONSTRUCTION
Die-cast aluminum housing with heat-dissipating fins enhances LED efficacy and component life. Driver is accessible through a hinged die-cast aluminum door for easy maintenance. The light engine and driver compartment is completely sealed against moisture and environmental contaminants and rated IP66. Injection molded one-piece optics are made of high strength polycarbonate and rated IK08. Housing features a unique modular arm mount system allowing easy installation, for fast and simple luminaire change-out through six different mounting types that accommodate the vast needs of existing equipment used throughout area lighting applications.

ELECTRICAL
Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L76/100,000 hours at 25°C). The 0-10V dimming, electronic driver has a power factor of >90% and THD <20%. Standard 6KV surge protection included, optional 10KV surge available.

ON-BOARD SWITCHABLE TECHNOLOGY
All luminaires provide this standard set of features providing maximum in-field adjustability to accommodate the vast needs of lighting jobs. All switches are protected yet accessible via exterior on the driver compartment. Adjustable Lumen Output (ALO): Provides 5-step dimming, allowing the contractor to adjust the lumen levels based on application needs. Luminaires ship on the maximum ALO setting and can easily be changed to other positions P4 / P3 / P2 / P1, when less light and/or more energy savings is desired. Switchable Correlated Color Temperature (CCT): Luminaires ship on the SWW2, 4000K setting and can easily be changed to 3000K or 5000K color temperature. SwitchOptics™ 4-Optic Switching. This feature provides the benefit of using a single luminaire to provide four different photometric distributions. Luminaires ship on setting SO = T3 (Type III) distribution, and can easily be changed to other distribution patterns T2, T4 and T5.

CONTROLS
All EAX luminaires include an Acuity TLS twist-to-lock, sensor-ready twist-to-lock receptacle. Option PIRH features a factory installed SensorSwitch™ TLS ODP (occupancy dimming/photocell) sensor with default settings and can be reprogrammed from the ground via wireless remote (IWP). Luminaires can also be configured to ship with nLight AIR™ Networked, Bi-Level motion / ambient sensors. Option (PER) 3-wire twist-lock photocell receptacle with shorting cap is included as standard on stock SKUs with mounting arm included. Type L/M luminaires can be configured with option (PER7) 7-wire twist-lock photocell receptacle with pins 4/5 connected to driver dimming leads and pins 6/7 capped.

INSTALLATION
The EAX2 is light weight and easy to install by a single person. The vast assortment of mountings are easily interchanged using two bolts and do not require one to open the luminaire during installation. EAX features three types of “no-drill" arms that help save labor, time and money by accommodating the largest range of pre-existing pole drillings. Adjustable tilt (UPM / ASRP) and non-tilt (SRA) mounting arms are available and all three can be used on minimum 3" O.D. round and 3.5" minimum square poles. 2-3/8" adjustable slipfitter (IS), and adjustable yoke (YK) are available. A wall bracket (WBA) is available and includes qty (4) 3/4" conduit taps for surface conduit wiring. Some configurations include the mounting shipped in the same carton as the luminaire. Luminaires with less mount (L/M) must use/choose a separate mounting accessory ordered and shipped as a separate line item. All EAX luminaires are to be installed and aimed facing downward, for down lighting only.

LISTINGS
UL Listed to U.S. and Canadian safety standards for wet locations and NOM certified. Tested in accordance with IESNA LM-79 and LM-80 standards. Operating temperature -40C to 40C. 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 to confirm which versions are qualified.

WARRANTY
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:
www.acuitybrands.com/support/warranty/terms-and-conditions

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

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