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Jeanne E. Hoffman, Manager
Bryan Cooper, Principal Architect

Mapping Section Manager
Eric T. Pederson, P.S.

Financial Manager
Steven B. Danner-Rivers

February 8, 2019

NOTICE OF ADDENDUM
ADDENDUM NO. 1
City of Madison, Engineering Department

CONTRACT NO. 8238
METRO TRANSIT PHASE 1 – SERVICE LANE ADDITION

This addendum is issued to modify, explain or correct the original Drawings, Specifications, or Contract Documents marked as ***Metro Transit – Service Lane Addition – Phase 1, City of Madison, Contract #8238***, ***as issued on January 17, 2019*** and is hereby made a part of the contract documents.

This addendum consists of the following documents:

- **Pre-Bid Walk Through sign-in sheet from January 31, 2019**
- **Drawing and Specification changes as detailed in Section #4 and #5.**

Please attach these Addendum documents to the Drawings (Exhibit A), Specifications (Exhibit B), and Proposal Specifications in your possession.

1. **GENERAL CONTRACT CONDITIONS**
   A. Due to bad weather on 1/31, a second pre bid building/site tour has been scheduled for Tuesday February 12, 2019 at 2p. Please bring high visibility vests. Hardhats and safety glasses are not required.

2. **GENERAL QUESTIONS AND ANSWERS**
   A. **None**

3. **ACCEPTABLE EQUIVALENTS**
   A. 07 27 26 Fluid Applied Membrane Air Barrier
      i. Product: W.R. Meadows Air-Shield LSR
   B. 09 91 13 Exterior Paint
      i. Product: Diamond Vogel Paints
   C. 09 91 23 Interior Paint
      i. Product: Diamond Vogel Paints
   D. 14 40 00 Vehicle Lifts
      i. Product: Rotary EFX90

4. **SPECIFICATIONS**
   - A. Delete Specification Section 08 33 26 Overhead Rapid Coiling Doors.
   - B. Add new specification section 08 33 23 Overhead Coiling Doors.
   - C. Add new specification section 08 33 30 High Speed Rubber Roll Up Door.
   - D. 11 11 26.1 Bus Wash
     - i. Revise Paragraph 1.1 Scope "A. Basis of Design: InterClean Equipment, Inc (800-468-3725) Bus Wash Model XJ-404 -4X4 Rear Wrap-Around with Touchless Front and Top Wash Feature Plus Blowers, Transit Bus Wash System with Water Reclamation Technical Specifications."

5. **DRAWINGS**
   - A. **General**
     - i. Drawing G-010, (attached) revise code references as shown.
     - ii. Drawing G-011, (attached) revise code references as shown.
   - B. **Structural**
     - i. Drawing S-010, (attached), revise roof loading requirements as shown.
     - ii. Drawing S-131, (attached), revise note 3.305 regarding the overhead door requirements of the precast.
   - C. **Architectural**
     - i. Drawing A-101, (attached)
       - Partial First Floor Plan Area A, 2/A-101
         - Add note referencing property line warnings as shown.
         - Revise overhead doors and door numbers as shown.
       - Partial First Floor Plan Area B, add note referencing property line warnings as shown.
         - Keyed Notes, add keynote 4.128.
     - ii. Drawing A-301, (attached)
       - Service Lane – Longitudinal Section 1/A-301, Revise overhead doors as shown.
       - Transverse Section at Wash Bay 3/A-301, add note referencing property line warnings as shown.
       - Keyed Notes, add keynote 4.128.
     - iii. Drawing A-311, (attached)
       - Wall section 4/A-311, Revise overhead doors as shown.
     - iv. Drawing A-601, (attached)
       - Revise Door and Hardware schedule as shown.
       - Add new door type RRR – Rubber Roll Up Overhead Door.
     - v. Drawing A-611, (attached)
       - Revise details 1, 2, 3, 6 & 8, to show revised overhead door requirements.
       - Delete detail 4.
   - D. **Electrical**
     - i. Drawing E-100(Attached)
       - Revised location of future E-Bus Dispenser rough-in locations as shown.
       - Revised keyed note 9.304 to clarify rough-in is for future E-Bus Dispenser(s).
     - ii. Drawing E-102 (Attached)
       - Revised location of future E-Bus Dispenser rough-in location from column line E/20 to near column line F/19.
       - Revised keyed note 9.304 to clarify conduit rough-in for future E-Bus Dispenser rough-in location.

6. **PROPOSAL SPECIFICATIONS**
No revisions.

Please acknowledge this addendum in Section E on page E-1: Bidder's Acknowledgement on Bid Express.

Electronic version of these documents can be found on Bid Express at https://www.bidexpress.com/ and the City of Madison web site at http://www.cityofmadison.com/business/PW/contracts/openforBid.cfm

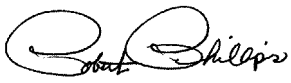
If you are unable to download plan revisions associated with the addendum, please contact the Engineering office at 608-266-4751 to receive the material by another method.

For questions regarding this bid, contact:

Mead & Hunt, Inc.
Stacey Z. Keller, AIA
PH: 608-443-0590
Email: Stacey.keller@meadhunt.com

City of Madison
Jon Evans, PE, Project Manager
PH: 608-243-5893
Email: jevans@cityofmadison.com

Sincerely,



Robert F. Phillips, P.E., City Engineer

Metro Transit – Service Lane Addition – Phase 1
Contract # 8238
Pre-Bid Walkthrough
Thursday, January 31, 2019, 2:00 PM

ATTENDEES
PLEASE SIGN-IN

NAME	COMPANY	EMAIL	PHONE
John Hentrich	Ideal Builders	jhentrich@idealbuildersinc.com	608-219-7441
[illegible]	Mead	rich.lundeen@meadhunt.com	608-395-9191
Stacey Z. Keller	Mead+Hunt	stacey.keller@meadhunt.com	608-443-0590
CRYSTAL MARTIN	METRO	CMARTIN@CITYofMadison.com	
Jim Geiger	TNR Door	j.geiger@hormann.us	262-623-7843
Jon Evans	City	jevans@cityofmadison.com	608-243-5893
Brian Swanson	J.P. Cullen	brian.swanson@jpcullen.com	608-770-2743
JEREMY HASKE	R F SULLIVAN	JHASKE@SULLIVANDESIGNBUILD.COM	235-4457
BART OBRIEN	R F SULLIVAN	BART " " "	
NORM RIVERA	HOOPER	NRivera@hooper-corp.com	608-577-0261
Ryan Michuda	Fox Arneson	rmichuda@foxarneson.com	608-469-6038

Metro Transit – Service Lane Addition – Phase 1
Contract # 8238
Pre-Bid Walkthrough
Thursday, January 31, 2019, 2:00 PM

ATTENDEES
PLEASE SIGN-IN

NAME	COMPANY	EMAIL	PHONE
Sean Wright	DJI INC.	SWRIGHT@DAVEJONESINC.COM	608-225-3225
Jim Fink	Metro	jfink@cityofmadison.com	608-267-4951

SECTION 08 33 23
OVERHEAD COILING DOORS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes:

1. Overhead coiling insulated doors.

1.3 REFERENCES

A. NFRC 102 - Test Procedure for Measuring the Steady-State Thermal Transmittance of Fenestration Systems.

B. ASTM E 90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Element.

C. ASTM E 330 - Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference.

D. ASTM A 653 - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.

E. ASTM A 666 - Standard Specification for Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.

F. ASTM A 924 - Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process.

G. ASTM B 221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.

H. NEMA 250 - Enclosures for Electrical Equipment (1000 Volts Maximum).

I. NEMA MG 1 - Motors and Generators.

J. NEMA 4 - Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against access to hazardous parts; to provide a degree of protection of the equipment inside the enclosure against ingress of solid foreign objects (falling dirt and windblown dust); to provide a degree of protection with respect to harmful effects on the equipment due to the ingress of water (rain, sleet, snow, splashing water, and hose directed water); and that will be undamaged by the external formation of ice on the enclosure.

1.4 PERFORMANCE REQUIREMENTS

A. Overhead coiling insulated doors:

1. Wind Loads: Design door assembly to withstand wind/suction load of 20 psf (958 Pa) without damage to door or assembly components in conformance with ASTM E 330.
2. Operation: Design door assembly, including operator, to operate for not less than 20,000 cycles.

B. Delegated Design: Design sectional doors, including comprehensive engineering analysis by a qualified professional engineer, using performance requirements and design criteria indicated.

C. Single Source Responsibility: Provide doors, tracks, motors, and accessories form one manufacturer for each type of door. Provide secondary components from source acceptable to manufacturer of primary components.

1.5 ACTION SUBMITTALS

A. General: Provide action submittals for all items in this specification section for review within a single submittal to the Architect.

B. Product Data: For each type and size of overhead coiling door and accessory. Include the following:

1. Construction details, material descriptions, dimensions of individual components, profile door sections, and finishes.
2. Rated capacities, operating characteristics, electrical characteristics, and furnished accessories.

C. Shop Drawings: For each installation and for special components not dimensioned or detailed in manufacturer's product data.

1. Include plans, elevations, sections, details, and attachments to other work.
2. Included detail equipment assemblies and indicate dimensions, weights, loads, required clearances, method of field assembly, components, and location and size of each field connection.
3. Include points of attachment and their corresponding static and dynamic loads imposed on structure.
4. Wiring Diagrams: For power, signal, and control wiring.

D. Color Charts for Initial Selection: Manufacturer's finish charts showing full range of standard colors and textures available for units with factory-applied finishes for selection by Architect.

E. Delegated-Design Submittal: Manufacturer of overhead coiling doors indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

F. Qualification Data: For qualified Installer provide manufacturer.

G. Manufacturer's Certificates: Certify products meet or exceed specified requirements.

1.6 CLOSEOUT SUBMITTALS

A. Maintenance Data: For overhead coiling doors to include in maintenance manuals.

B. Warranties: Completed manufacturer's special warranties as described in the "Warranties" Article of this specification section.

1.7 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in performing Work of this section with a minimum of five years' experience in the fabrication and installation of security closures.

B. Installer Qualifications: Manufacturer's authorized representative who is trained and approved for both installation and maintenance of units required for this Project by the manufacturer.

C. Source Limitations: Obtain sectional doors from single source from single manufacturer.

1. Obtain operators and controls from sectional door manufacturer.

D. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

1.8 DELIVERY, STORAGE, AND HANDLING

A. Store products in manufacturer's unopened labeled packaging until ready for installation.

B. Protect materials from exposure to moisture until ready for installation.

C. Store materials in a dry, ventilated weathertight location.

1.9 PROJECT CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.10 COORDINATION

A. Coordinate Work with other operations and installation of adjacent materials to avoid damage to installed materials.

1.11 WARRANTY

A. Warranty: Manufacturer's limited door and operator system, except the counterbalance spring and finish, to be free from defects in materials and workmanship for 3 years or 20,000 cycles, whichever occurs first.

B. Warranty: Manufacturer's limited door warranty for 2 years for all parts and components.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Basis-of-Design Manufacturer name and products are given to clarify the designer's intent and are not intended to limit selection of similar products from acceptable manufacturers.

1. The Overhead Door Co.; Stormtite Insulated Service Doors – Model 625.

2.2 INSULATED OVERHEAD COILING SERVICE DOORS

A. Curtain: Interlocking roll-formed slats as specified following. Endlocks shall be attached to each end of alternate slats to prevent lateral movement.

1. Flat profile type F-265i for doors up to 40 feet (12.19 m) wide.
2. Front slat fabricated of 24 gauge galvanized steel.
3. Back slat fabricated of 24 gauge galvanized steel.
4. Slat cavity filled with CFC-free foamed-in-place, polyurethane insulation.

    a. R-Value: 7.7, U-Value: 0.13.
    b. Sound Rating: STC-21.

B. Performance:

1. Through Curtain Sound Rating: Sound Rating: STC-28 (STC-30+ with HZ noise generator) as per ASTM E 90.
2. Installed System Sound Rating: STC-21 as per ASTM E 90.
3. U-factor: 0.91 NFRC test report, maximum U-factor of no higher than 1.00.

C. Finish:

1. Galvanized Steel: Slats and hood galvanized in accordance with ASTM A 653 and receive rust-inhibitive, roll coating process, including 0.2 mils thick baked-on prime paint, and 0.6 mils thick baked-on polyester top coat.

    a. Polyester Top Coat.

        1) White polyester.

    b. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer.

2. Heavy Duty Powder Coat Final Finish

a. Color: Gray.

D. Weatherseals:

1. Vinyl bottom seal, exterior guide and internal hood seals.
2. Interior guide weatherseal.
3. Lintel weatherseal.

E. Bottom Bar:

1. Two galvanized steel angles minimum thickness 1/8 inch (3 mm) bolted back to back to reinforce curtain in the guides.

F. Guides: Three Structural steel angles

1. Finish: PowderGuard Zinc Finish for guides, bottom bar and head plate.

G. Brackets:

1. Galvanized steel to support counterbalance, curtain, and hood.

H. Counterbalance: Helical torsion spring type housed in a steel tube or pipe barrel, supporting the curtain with deflection limited to 0.03 inch per foot of span. Counterbalance is adjustable by means of an adjusting tension wheel.

I. Hood: Provide with internal hood baffle weatherseal.

1. 24 gauge galvanized steel with intermediate supports as required.
2. Heavy Duty Powder Coat Final Finish: Gray

J. Manual Operation:
1. Chain hoist shall be of sufficient capacity to operate a door at a maximum pull requirement of 9 to 14 kg (20 to 30 lb). The static load on the hand chain to hold the door in any position must not exceed 5 kg (11 lb).

K. Locking:

1. Interior slide bolt lock for electric operation with interlock switch.
2. Cylinder lock for electric operation with interlock switch.

L. Wall Mounting Condition:

1. Face-of-wall mounting.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verify opening sizes, tolerances and conditions are acceptable.

B. Examine conditions of substrates, supports, and other conditions under which this work is to be performed.

C. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

A. Clean surfaces thoroughly prior to installation.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. Use anchorage devices to securely fasten assembly to wall construction and building framing without distortion or stress.

C. Securely and rigidly brace components suspended from structure. Secure guides to structural members only.

D. Fit and align assembly including hardware; level and plumb, to provide smooth operation.

E. Coordinate installation of electrical service with Section 16150. Complete wiring from disconnect to unit components.

F. Install perimeter trim and closures.

G. Instruct Owner’s personnel in proper operating procedures and maintenance schedule.

3.4 ADJUSTING

A. Test for proper operation and adjust as necessary to provide proper operation without binding or distortion.

B. Adjust hardware and operating assemblies for smooth and noiseless operation.

3.5 CLEANING

A. Clean curtain and components using non-abrasive materials and methods recommended by manufacturer.

B. Remove labels and visible markings.

C. Touch-up, repair, or replace damaged products before Substantial Completion.

3.6 PROTECTION

A. Protect installed products until completion of project.

END OF SECTION 083323

SECTION 08 33 30
HIGH SPEED RUBBER ROLL-UP DOORS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:
   1. High-speed rubber roll-up doors.
   2. Wiring from electric circuit disconnect to operator to control station.

1.3 REFERENCES

A. NEMA: National Electrical Manufacturers Association.

B. LED: Light Emitting Diode.

1.4 SYSTEM DESCRIPTION

A. Motor Type: AC drive, and variable speed with soft acceleration and braking. Mechanical release lever on side column allows door to be easily opened in the event of a power failure.

1.5 ACTION SUBMITTALS

A. Product Data: For each type and size of overhead rapid coiling door and accessory. Include the following:

   1. Construction details, material descriptions, dimensions of individual components, profile door sections, and finishes.
   2. Rated capacities, operating characteristics, electrical characteristics, and furnished accessories.

B. Shop Drawings: For each installation and for special components not dimensioned or detailed in manufacturer's product data.

   1. Include plans, elevations, sections, details, and attachments to other work.
   2. Included detail equipment assemblies and indicate dimensions, weights, loads, required clearances, method of field assembly, components, and location and size of each field connection.
   3. Include points of attachment and their corresponding static and dynamic loads imposed on structure.

C. Wiring Diagrams: For power, signal, and control wiring.

D. Color Charts for Initial Selection: Manufacturer's finish charts showing full range of standard colors and textures available for units with factory-applied finishes for selection by Architect.

E. Delegated-Design Submittal: Manufacturer of overhead coiling doors indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

F. Qualification Data: For qualified Installer provide manufacturer's letter of approval.

1.6 MAINTENANCE DATA

A. Scheduled maintenance program available to include lubrication requirements and frequency, periodic adjustments required, scheduled maintenance suggested, manufacturer's data sheets, and equipment inter-connection diagrams.

1.7 REGULATORY REQUIREMENTS

A. Electrical components UL listed.

B. Electrical control panel NEMA approved.

1.8 QUALITY ASSURANCE

A. Furnish high-speed roll doors and all components and accessories by one manufacturer.

B. Specific door model used must have a proven track record of successful installations in similar applications of no less than three (3) years. References to be provided upon request.

C. Delegated Design: Design sectional doors, including comprehensive engineering analysis by a qualified professional engineer, using performance requirements and design criteria indicated.

1.9 FIELD MEASUREMENTS

A. Verify field measurements are as indicated on shop drawings.

1.10 COORDINATION

A. Coordinate the work with installation of electric power and locations and sizes of conduit.

1.11 WARRANTY

A. Five-year limited warranty on mechanical components, including motor assembly

B. Two (2) year limited warranty on electrical components

C. Two (2) year limited warranty on standard door panels, rollers, hinges and door tracks

PART 2 - PRODUCTS

2.1 PRODUCTS

A. Rubber Roll-up Doors: Basis of Design TNR Doors Model HDC-DD

1. Curtain:
   a. Two (2) layers of Styrene Butadiene Rubber (SBR) each 3.2mm (1/8") thick, 70 durometer, reinforced with 1-ply, 50 kg (110 lb) polyester cord centre. Material provides normal resiliency and flexibility at temperatures ranging from -40F to +180F (-40C to 85C)
   b. Complete with molded NEWGEN® Curtain Loks™ that are mechanically attached to the vertical edges of the curtain material. This retention system maintains and holds the curtain in guides under heavy windload conditions. Continuous glued SBR windlock or molded in place Teflon windlock designs will not be accepted.
   c. Standard Color: Black

2. Guides:
   a. Side curtain retention: Guides shall be one-piece extruded aluminum to form a slot of sufficient depth to allow the Curtain Lok to move freely in the guides at all times. Aluminum members are to be of sufficient thickness and rigidity to maintain the Curtain Lok within the guides during normal operation while enabling the Curtain Lok to release during accidental impacts.
   b. Steel guides (bolted or spring-loaded) will not be accepted.
   c. Side frame: Mounting angle is provided for installation directly onto concrete or steel door framing. Additional customization of door frame is not required.

3. Bottom Rail
   a. Bottom bar shall extend the full width of the curtain, sufficient to maintain the bottom edge of the curtain parallel to the door threshold at all times. The bottom bar shall be constructed of two steel angles bolted together and shall have a knock-away section to reduce risk of damage during accidental impacts.
   b. Knock-away bottom bar to be reset without the need to open side frames. Single angle design will not be accepted. Side Frames: Galvanized steel side frames with full height weather seal on both sides to seal against door panel.

4. Roll-Up Door System

   a. The curtain is to be rolled on a barrel of sufficient size to carry the door load with a deflection of not more than 2.5 mm/m (.03 in/ft) of opening width. Drive shaft in the barrel is to be constructed of minimum 50.8 mm (2") C1018 cold rolled steel shafts.

   b. Door shall be designed to operate safely without the use of a counterbalance system (i.e. – springless design).

   c. The Idler Barrel shall be constructed of 102 mm (4") OD round HSS structural tubing with a minimum wall thickness of 3.4 mm (0.134") and

supported by 32 mm (1¼") C1018 cold rolled steel shafts at either end. Idler must be guide mounted not end bracket mounted for proper tracking of curtain into Guides.

d. End brackets are constructed of 6 mm (¼") hot rolled steel plate c/w sealed heavy-duty, self-aligning bearings with cast iron housings to support the drive barrel. Drive shaft bearing shall be load rated at 3405 kg (7490 lb) dynamic and 2555 kg (5620 lb) static.

e. Welded Truss shall brace endplates together at the top and bottom with C3 x 4.1 channel and 2" x ¼" flatbar diagonal bracing.

5. Reversing Edge
   a. Door to be equipped with reversing sensing edge to stop and reverse door to manufacturer's standard. A ⅛" thick EPDM rubber loop shall wrap the reversing edge. Both the reversing edge and rubber loop must be replaceable without removing the bottom bar from the curtain.

6. Accessories:
   a. Various accessories are available, for example: radio controls, motion sensors, loop detectors, pull cords, traffic lights, etc.
   b. Provide dual horizontal and angular photo eye sensors.

7. Construction
   a. Doors: constructed of steel, aluminum and SBR rubber/woven curtain.
   b. Structural elements: assembled by welding or by mechanical fasteners.

8. Operation of Door: Doors shall be equipped for operation by electric operator, with emergency manual chain hoist.
   a. Manual Operation:
      1) Emergency manual chain hoist shall be provided to allow manual door operation.
      2) Chain hoist shall be of sufficient capacity to operate a door at a maximum pull requirement of 9 to 14 kg (20 to 30 lb). The static load on the hand chain to hold the door in any position must not exceed 5 kg (11 lb).
   b. Electrical Operation:
      1) Electric door operators shall be CSA/UL approved, high RPM, heavy-duty worm gear type complete with pre-wired, number coded control cabinet as required, to manufacturer's standard. Panel enclosure to be NEMA 4 rating.
      2) Motor to be NEMA 4, high starting torque, direct drive, hoist type, operating through a worm gear reducer mechanism. Sprockets and chains will not be accepted.
      3) Motor to be of capacity to open door at maximum speeds of up to 48" per second, depending on door size to manufacturer's standard, rated for X horsepower, X voltage, X phase, X frequency.
      4) Operator shall be equipped with digital encoder limit switches to control open and close door positions as well as an electro-

mechanical brake system to stop and hold door in any position to manufacturer's standards. Rotary cam limit switches optional.

5) Operator shall be equipped with built-in manual emergency chain hoist. Built-in electrical interlock shall prevent motor operation during use of manual chain hoist.

6) Control Panel: Panel enclosure shall be NEMA 4 and wiring shall be completed by manufacturer and shall be UL listed. Drive system shall be controlled by programmable logic controller (PLC) complete with inverter drive for soft start and soft stop door operation. Motor control by a reversing contactor is not acceptable. Control panel shall have fused primary power, adjustable closing timer, three (3) push buttons for open, close and stop functions, push/pull mushroom button E-stop and a cycle counter.

7) Control panel without inverter drive will not be accepted.

9. Manufacturer's standard factory finish on all components.

a. Capable of withstanding positive and negative wind loads of 14 psf without undue deflection or damage to components.

b. Hood Enclosure: Manufacturer's standard; primed steel.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verify that opening sizes, tolerances, and conditions are acceptable.

3.2 INSTALLATION

A. Install door unit assembly in accordance with manufacturer's instructions.

B. Use anchorage devices to securely fasten assembly to wall construction and building framing without distortion or stress.

C. Securely and rigidly brace components suspended from structure. Secure guides to structural members only.

D. Fit and align assembly including hardware; level and plumb, to provide smooth operation.

E. Complete wiring from disconnect to unit components.

3.3 TOLERANCES

A. Maintain dimensional tolerances and alignment with adjacent work.

B. Maximum Variation from Plumb: 1/16 inch (1.5 mm).

C. Maximum Variation from Level: 1/16 inch (1.5 mm).

D. Longitudinal or Diagonal Warp: Plus or minus 1/8 inch per 10ft (3 mm per 3m) straight edge.

3.4 ADJUSTING

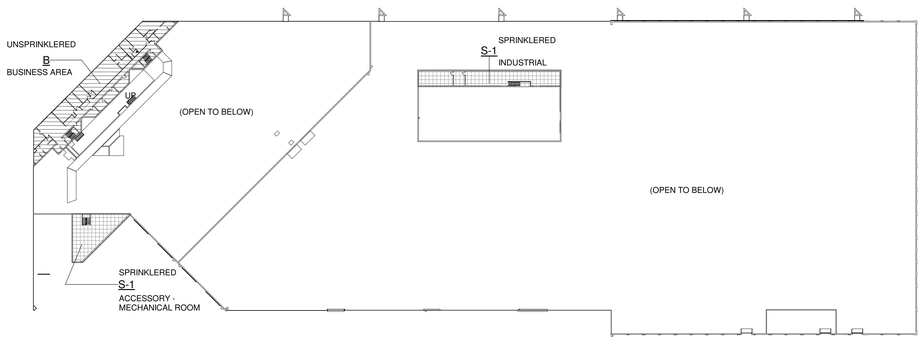
A. Adjust operating assemblies for smooth and noiseless operation.

3.5 CLEANING

A. Clean installed components.

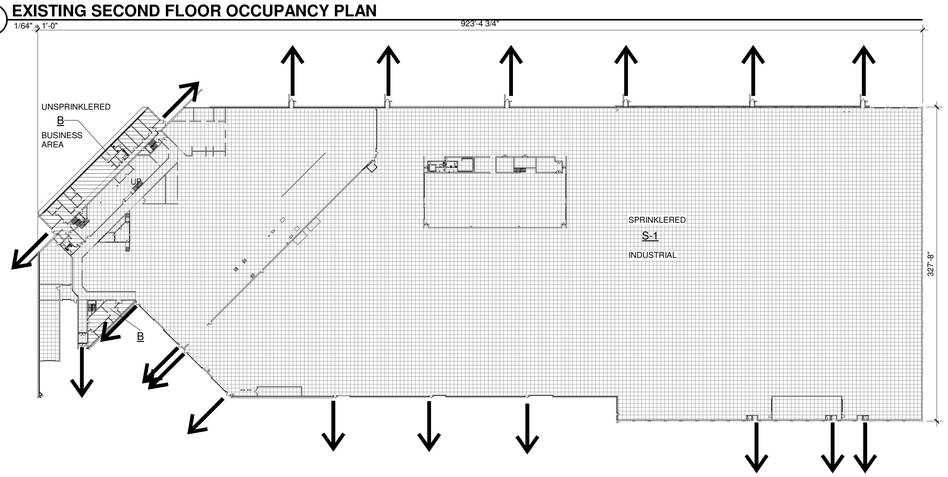
B. Remove labels and visible markings.

END OF SECTION 08 33 26



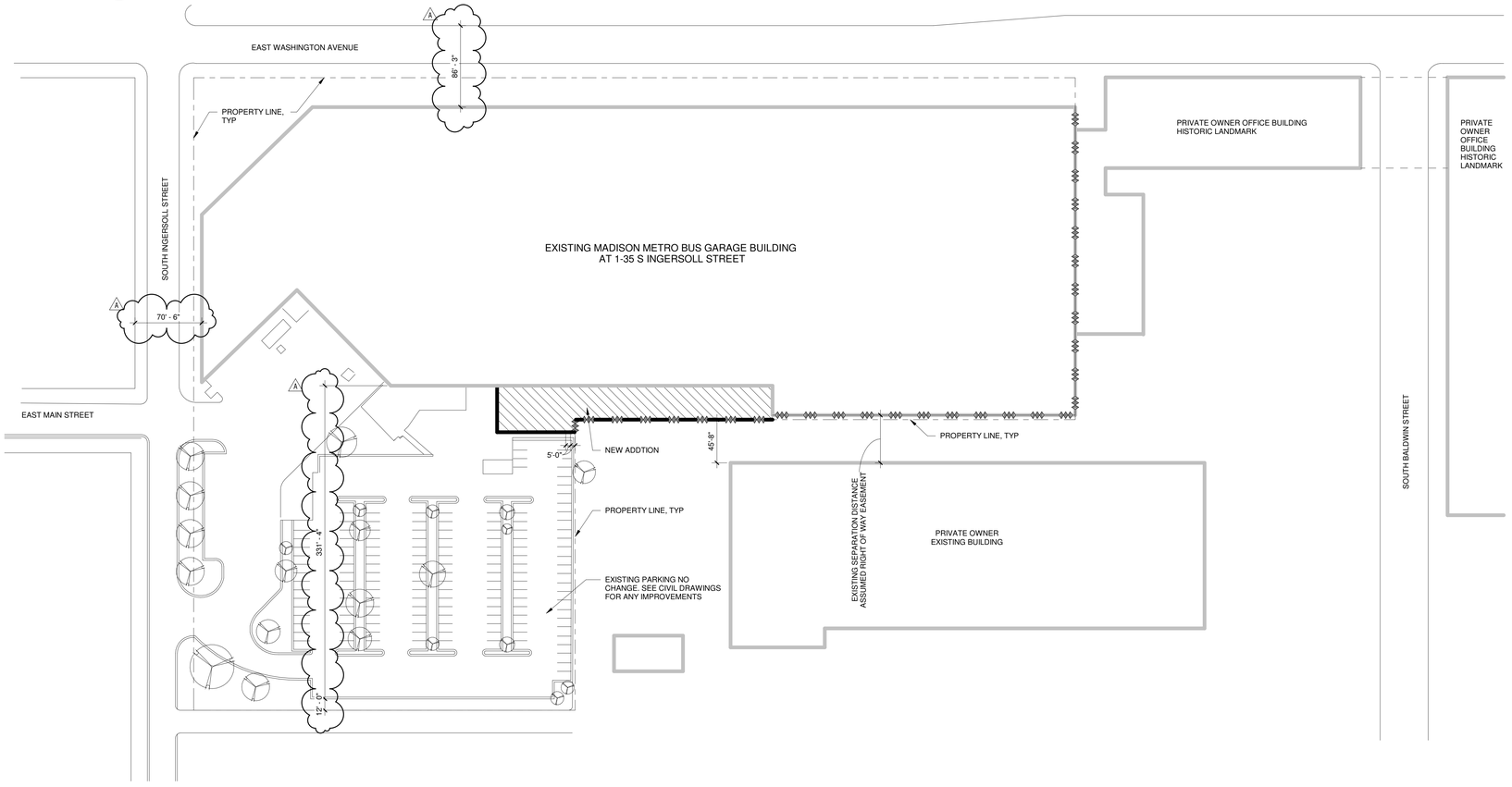
3 EXISTING SECOND FLOOR OCCUPANCY PLAN

1/64" = 1'-0"



2 EXISTING FIRST FLOOR OCCUPANCY PLAN

1/64" = 1'-0"



1 LIFE SAFETY SITE PLAN

1" = 60'-0"

APPLICABLE CODES AND DESIGN CRITERIA

Project Name and Location:

Madison Metro Transit
Bus Storage Renovations and Service Lane Addition
1101 E. Washington Ave.
Madison, WI 53703

Applicable Design Criteria and Codes:

A Building Code / Structural Code: International Building Code (IBC 2015)
2018 Wisconsin Commercial Building Code, Chapter SPS 362
International Fire Code 406.7 and 406.8

Existing Building Code: International Existing Building Code (2015)
2018 Wisconsin Commercial Existing Building Code, Chapter SPS 366

Work Area Method (301.1.2) — **Defined Compliance Methods and Classifications of Work:**

Work Area # 1:	Addition (IEBC Section 507)
Work Area # 2:	Alteration -Level 2 (IEBC Section 504)
Work Area # 3:	Alteration -Level 1 (IEBC Section 504)
Work Area # 4:	Alteration -Level 1 (IEBC Section 503)
Work Area # 5:	Alteration -Level 1 (IEBC Section 504)
Work Area # 6:	Addition (IEBC Section 507)

Plumbing Code: Wisconsin Administrative Code, Chapters SPS 381 - SPS 384

Mechanical Code: International Mechanical Code (IMC 2015)
Wisconsin Administrative Code, Chapter SPS 364

Electrical Code: National Electric Code (NEC 2017)
Wisconsin Administrative Code, Chapter SPS 316

Fire/Life Safety Code: National Fire Protection Association, Chapter 1 (NFPA-1, 2012)
Wisconsin Administrative Code, Chapters SPS 314 & SPS 330

Accessibility Code: International Building Code, Chapter 11 (IBC 2015)
Wisconsin Administrative Code, Chapter SPS 369

Energy Code: International Energy Conservation Code, (IEEC 2015)
Wisconsin Administrative Code, Chapter SPS 363

Gas Code: International Fuel Gas Code, (IFGC 2015)
Wisconsin Administrative Code, Chapter SPS 365

Boiler Code: Wisconsin Administrative Code, Chapter SPS 341

Elevator Code: ASME A17.1-2013
Wisconsin Administrative Code, Chapter SPS 318

CODE PLAN GENERAL NOTES

PROJECT SCOPE OF WORK AND DEFINITION OF THE PROJECT ALTERATIONS DEFINED AS AN ALTERATION AND ADDITION

USING THE WORK AREA METHOD COMPLIANCE METHOD (IBC - 301.1.2) THE TOTAL COMBINED WORK AREAS IS 22,138 SQ.FT. EACH AREA IS INDIVIDUALLY CLASSIFIED. thE ENTIRE PROJECT CONSISTS OF ALL WORK AREAS AS DEFINED ON THE PLANS.

1. THERE ARE SIX (6) SEPARATE WORK AREAS EACH INDIVIDUALLY CLASSIFIED BY THE CLASSIFICATION OF WORK IN CHAPTER FIVE (5) OF THE WISCONSIN EXISTING BUILDING CODE.
2. THE EGRESS SYSTEM IS UNCHANGED IN ALL THE AREAS OF ALTERATIONS EXCEPT FOR AREA # 2 WHERE THE EXIT ACCESS, EXITS, AND EXIT DISCHARGE IS SHOWN ON THE LIFE SAFETY PLANS.
3. THE LIFE SAFETY PLAN ILLUSTRATES THE NEW EGRESS SYSTEM IN THE ADDITIONS.
4. REFER TO EACH INDIVIDUAL WORK AREA FOR THE SPECIFIC CODE ANALYSIS FOR THAT AREA.

CODE SITE PLAN NOTES

1. **ZONING:**
CITY OF MADISON, WISCONSIN ZONING
ORDINANCE EFFECTIVE OCTOBER 23, 2018
THROUGH THE CODE OF ORDINANCES CODIFIED
THROUGH ORDINANCE NO. ORD-18-00108.

DISTRICT CLASSIFICATION:
TE = TRADITIONAL EMPLOYMENT

SETBACKS & LOT COVERAGE
FRONT - NONE - INGERSOLL STREET
SIDES - NONE UNLESS NEEDED FOR ACCESS
REAR - 20'-0"
85% MAX LOT COVERAGE

2. **FIRE SEPARATION DISTANCE:**
IBC TABLE 602 X<5 FOR S-1 = 2 HOURS
IBC TABLE 705.8 MAXIMUM AREA OF EXTERIOR WALL OPENINGS BASED ON FIRE SEPARATION DISTANCE:
0'-3" = NOT PERMITTED
3'-5" = UNPROTECTED, SPRINKLERED = 15%

3. **PARKING REQUIREMENTS:**
DISTURBED AREA LESS THAN 4,000 SF - NO CHANGE

LIFE SAFETY PLAN LEGEND:

- 1 HR RATED WALL
- 2 HR RATED WALL
- 3 HR RATED WALL
- EXIT ACCESS
- EXIT
- EXIT DISCHARGE
- F.E. — FIRE EXTINGUISHER - WALL MOUNTED
- F.E.C. — FIRE EXTINGUISHER - CABINET
- AREAS OF WORK

Existing Building Data

Building Occupancy Classifications		
IBC Chapter 3: Moderate-hazard Storage, Group S-1 - Areas currently are not classified as any H -...		
Accessory Occupancy: Group B: Business - 8% of Total Area		
Occupancy Use Classifications:		
Motor Vehicle (Bus) Parking Storage		
Motor Vehicle (Bus) Repair and Maintenance		
Administration Offices		
A IBC/IFC Section 406.7: Motor fuel dispensing facility		
IBC/IFC Section 406.8: Repair Garages		
Existing Construction Type		
Construction Type is Prescriptively Assumed Type IIB		
Fire Resistive Requirements for Building Elements		
IBC Table 601: Type IIB		
Structural Frame:	0 hr	
Bearing Walls		
Exterior:	0 hr	
Interior:	0 hr	
Interior Nonbearing Walls and Partitions:	0 hr	
Floor Construction:	0 hr	
Roof construction and secondary framing:	0 hr	
Fire Resistive Requirements for Exterior Walls Based on Separation Distance		
IBC Table 602		
Exterior Nonbearing Walls and Partitions where "x" is distance from fire separation		
	Group S-1	
0 ≥ 5 ft	2 hr	
5 ≥ 10 ft	1 hr	
X ≥ 10 ft	0 hr	
Required Separation of Occupancies		
IBC Table 508.4: Required Separation of Occupancies (Hours)		
B / S-1	No Separation Requirement	
Building Area		
IBC Section 507, Unlimited Area Buildings:		
Section 507.5 Two Story Buildings: Sprinklered, one or two-story buildings - Type S, shall not be limited in area where the building is provided with an automatic sprinkler system throughout and is surrounded by public ways not less than 60ft in width.		
Section 507.2, Reduced Open Space: Public ways may be reduced to 40 feet provided that the reduced width shall not be allowed for more than 75% of the building and the exterior walls and openings have a 3 hour fire resistance rating.		
Automatic Sprinkler System:		
Existing Moderate-Hazard Storage Occupancies include an Automatic Sprinkler System		
Existing Accessory Occupancy (B) does NOT include an Automatic Sprinkler System		
Occupant Load		
IBC Table 1004.1.1		
Business Occupancy: 1 occupant / 100 gsf		
Industrial Occupancy: 1 occupant / 100 gsf		
Warehouses Occupancy: 1 occupant / 500 gsf		
Accessory Storage, Mech. Equip Rm. Occupancy: 1 occupant / 300 gsf		
Function / Floor	Area	Occupants
Business	21,467	215
Vehicle Warehouse Storage	172,470	345
Industrial Occupancy	55,085	551
Accessory Storage, Mech. Equip Rm.	5,064	22
Total	267,577	1,133
Means of Egress of Egress System and Egress Capacity		
IBC Section 1005 - Means of Egress Width for Other Components .2"		
Common Path of Travel		
IBC Chapter 10 (All work Areas are S-1, with an automatic sprinkler system)		
Storage Occupancy - S-1	100 feet	
Exit Access Travel Distance		
IBC Chapter 10		
Storage Occupancy - S-1	250 feet	
Group S-1 Increase	400 feet where roof deck is 24 ft	
Minimum Corridor Width		
IBC Chapter 10		
No Exceptions	44 inches	
Dead-end Corridor Distance		
IBC Chapter 10		
Storage Occupancy - S-1	50 feet	

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phone: 608-273-6380
meadhunt.com

KUENY ARCHITECTS, LLC

metro transit

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1101 EAST WASHINGTON AVE.
MADISON, WI 53703

ISSUED
A 02/08/19 ADDENDUM 1

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DATE: January 17, 2019
DESIGNED BY: SZK
DRAWN BY: JPM
CHECKED BY: RCL
DO NOT SCALE DRAWINGS

SHEET CONTENTS
LIFE SAFETY SITE PLAN AND EXISTING PLANS

SHEET NO.:

G-010

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WORK AREA NUMBER 3/4/5

Work Area Occupancy Classification

IBC Section 311.2: Moderate-hazard Storage, Group S-1

Construction Type

Classification of Work = Alteration Level 1 (IEBC Section 504)
Occupancy Group: S-1
Type of Construction: Assummed Type IIB
Existing Automatic Sprinkler System
Scope: Adding/removing equipment and associated slab alterations within existing building footprint. No change to purpose/function

Occupant Load

IBC Table 1004.1.2 - Function of Space
Industrial Occupant Load Factor = 100 gross

Function of Space	Area	Occupants
Work Area 3 - Industrial	2,343	*
Work Area 4 - Industrial	5,000	*
Work Area 3 - Industrial	40	*

*Existing Occupant Load Unaltered (Typical)

WORK AREA NUMBER 6

Work Area Occupancy Classification

IBC Section 311.2: Moderate-hazard Storage, Group S-1

Construction Type

Classification of Work = Addition (IEBC Section 507)
Occupancy Group: S-1
Type of Construction: Type IIB
No Automatic Sprinkler System
Scope: This is an existing pre-engineered booth that is relocated from within the building to this new poistion

Occupant Load

IBC Table 1004.1.2 - Function of Space
Business/Industrial Occupant Load Factor = 100 gross

Function of Space	Area	Occupants
Industrial (Relocated Booth)	65 sf	1
Total	65 sf	1

Allowable Building Height and Number of Stories

IBC Chapter 5:

	Maximum Allowed		Actual	
	Height	Stories	Height	Stories
Exterior Room - Pre-engineered booth	75'-0"	3	9'-0"	1

WORK AREA NUMBER 2

Work Area Occupancy Classification

IBC Section 311.2: Moderate-hazard Storage, Group S-1
IBC/IFC Section 406.8: Repair Garages

Construction Type

Classification of Work = Alteration Level 2 (IEBC Section 504)
Occupancy Group: S-1
Type of Construction: Type IIB
Existing Automatic Sprinkler System
Scope: This area reconfigured with new walls and rooms within the existing building footprint.

Fire Resistive Requirements for Building Elements

IBC Table 601: Type IIB

Structural Frame:	0 hr
Bearing Walls	
Exterior:	0 hr
Interior:	0 hr
Interior Nonbearing Walls and Partitions:	0 hr
Floor Construction:	0 hr
Roof construction and secondary framing:	0 hr

Occupant Load

IBC Table 1004.1.2 - Function of Space
Industrial Occupant Load Factor = 100 gross

Function of Space	Area	Occupants
Industrial	4,500 sf	45
Total	4,500 sf	45

Interior Finishes:

IBC Table 803.9 (Building fully sprinklered)
Interior Wall and Ceiling Finish for Exit Enclosures and Exit Passageways: Class C (Minimum)
Interior Wall and Ceiling Finish for Corridors: Class C (Minimum)
Interior Wall and Ceiling Finish for Rooms and Enclosed Spaces: Class C (Minimum)
Interior Floor Finish for All Floor Coverings: Class II
Combustible materials in type IIB construction shall comply with Sections 805.1.1-805.1.3

WORK AREA NUMBER 1

Work Area Occupancy Classification

IBC Section 311.2: Moderate-hazard Storage, Group S-1,
Fuel/Fluid Types and Quantities do not classify space as H - Occupancy
IBC/IFC Section 406.7: Motor fuel dispensing facility
IBC/IFC Section 406.8: Repair Garages

Construction Type

Classification of Work = Addition (IEBC Section 507)
Occupancy Group: S-1
Type of Construction: Type IIB
Proposed New Automatic Sprinkler System

Fire Resistive Requirements for Building Elements

IBC Table 601: Type IIB

Structural Frame:	0 hr
Bearing Walls	
Exterior:	0 hr
Interior:	0 hr
Interior Nonbearing Walls and Partitions:	0 hr
Floor Construction:	0 hr
Roof construction and secondary framing:	0 hr

Fire Resistive Requirements for Exterior Walls Based on Separation Distance

IBC Table 602
Exterior Nonbearing Walls and Partitions where "x" is distance from fire separation

	Group S-1
0 ≥ 5 ft	2 hr
5 ≥ 10 ft	1 hr
X ≥ 10 ft	0 hr

Building Area

IBC Section 507, Unlimited Area Buildings:

Section 507.5 Two Story Buildings: Sprinklered, one or two-story buildings - Type S, shall not be limited in area where the building is provided with an automatic sprinkler system throughout and is surrounded by public ways not less than 60ft in width.

Section 507.2, Reduced Open Space: Public ways may be reduced to 40 feet provided that the reduced width shall not be allowed for more than 75% of the building and the exterirror walls and openings have a 3 hour fire resistance rating.

Allowable Building Height and Number of Stories

IBC Table 504.3 & 504.4:

	Maximum Allowed		Actual	
	Height	Stories	Height	Stories
Group S-1 / IIB Sprinkled, Addition	75'-0"	3	20'-0"	1

Occupant Load

IBC Table 1004.1.1
Business Occupancy: 1 occupant / 100 gsf
Industrial Occupancy: 1 occupant / 100 gsf
Accessory Storage, Mech. Equip Rm. Occupancy: 1 occupant / 300 gsf

Function / Floor	Area	Occupants
Business (Renovation)	402	4
Industrial Occupancy Addition	10,300	103
Accessory Storage, Mech. Equip Rm. (Renovation)	2,035	7
2nd Floor Equipment Platform (Renovation)	1,033	4
Total	11,735	111

Interior Finishes:

IBC Table 803.9 (Building fully sprinklered)
Interior Wall and Ceiling Finish for Exit Enclosures and Exit Passageways: Class C (Minimum)
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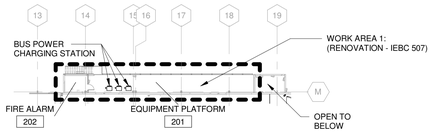
Interior Floor Finish for All Floor Coverings: Class II
Combustible materials in Type IIB construction shall comply with Sections 805.1.1-805.1.3

Plumbing Fixtures

IBC Chapter 29
The existing building toilet count meets current capacity for the facility
1 Accessible, unisex toilet provided for convenience for the 12 employee-only work area, with no public access.



2 2ND FLOOR EQUIPMENT PLATFORM PLAN

1/32" = 1'-0"

CODE PLAN GENERAL NOTES

PROJECT SCOPE OF WORK AND DEFINITION OF THE PROJECT ALTERATIONS
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USING THE WORK AREA METHOD COMPLIANCE METHOD (IBC - 301.1.2) THE TOTAL COMBINED WORK AREAS IS 22,138 SQ.FT. EACH AREA IS INDIVIDUALLY CLASSIFIED. thE ENTIRE PROJECT CONSISTS OF ALL WORK AREAS AS DEFINED ON THE PLANS.

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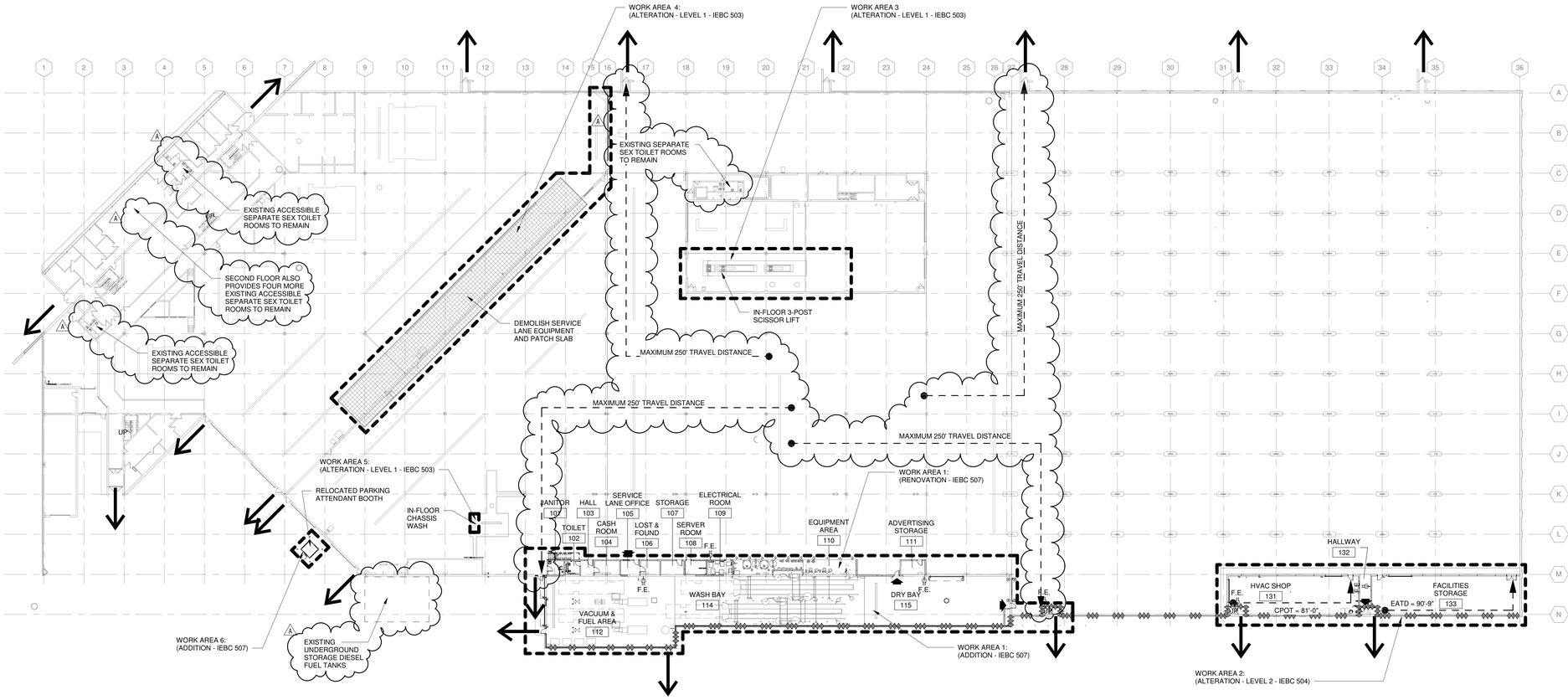
4. REFER TO EACH INDIVIDUAL WORK AREA FOR THE SPECIFIC CODE ANALYSIS FOR THAT AREA.

LIFE SAFETY PLAN LEGEND:

- 1 HR RATED WALL
- 2 HR RATED WALL
- 3 HR RATED WALL
- EXIT ACCESS
- EXIT
- EXIT DISCHARGE
- F.E. — FIRE EXTINGUISHER - WALL MOUNTED
- F.E.C. — FIRE EXTINGUISHER - CABINET
- AREAS OF WORK



1 OVERALL FIRST FLOOR CODE PLAN

1/32" = 1'-0"

Mead & Hunt, Inc.
2440 Deming Way
Middleton, WI 53562
phone: 608-273-6380
meadhunt.com

KUENY ARCHITECTS, LLC

metro transit

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DO NOT SCALE DRAWINGS

SHEET CONTENTS
LIFE SAFETY WORK AREA PLANS

SHEET NO.:
G-011

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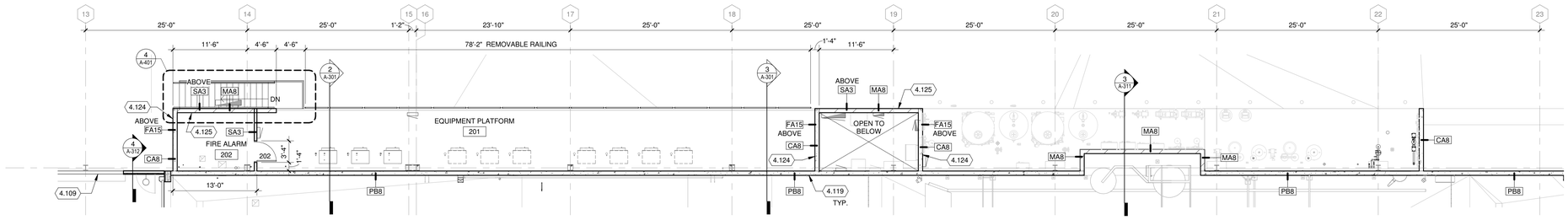
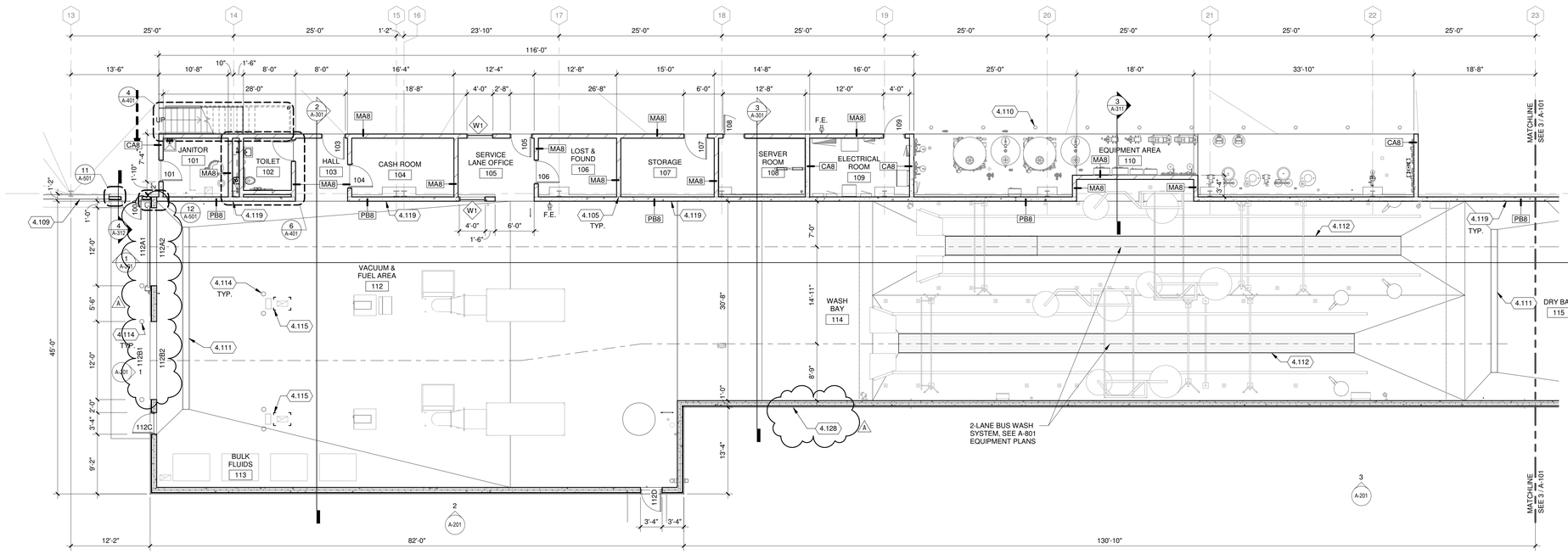


TRUE NORTH PLAN NORTH

1 PARTIAL EQUIPMENT PLATFORM PLAN - AREA A

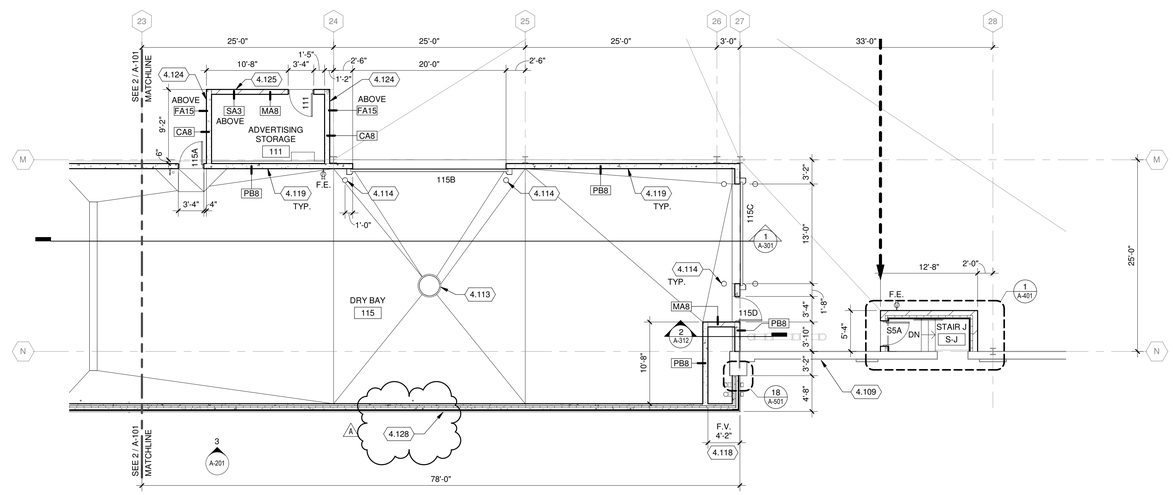
1/8" = 1'-0"



TRUE NORTH PLAN NORTH

2 PARTIAL FIRST FLOOR PLAN - AREA A

1/8" = 1'-0"



TRUE NORTH PLAN NORTH

3 PARTIAL FIRST FLOOR PLAN - AREA B

1/8" = 1'-0"

FLOOR PLAN GENERAL NOTES:

1. SITE DATUM OF FINISHED FIRST FLOOR INDICATED ON SITE PLAN = 100'-0" ON ARCHITECTURAL DRAWINGS.
2. ALL EXTERIOR DIMENSIONS ARE FROM FINISH FACE OF CMU BACKUP, OR PRE-CAST CONCRETEUNLESS NOTED OTHERWISE.
3. ALL INTERIOR DIMENSIONS ARE FROM FINISH FACE OF WALLS (I.E. GYPSUM WALLBOARD OR CMU), UNLESS NOTED OTHERWISE.
4. FINISH FLOOR ELEVATIONS ARE TO THE TOP OF CONCRETE, UNLESS NOTED OTHERWISE.
5. REFERENCE SHEET G-010 AND G-011 FOR ALL CODE, FIRE RATING, AND SEPARATION REQUIREMENTS.
6. GENERAL CONTRACTOR SHALL PATCH AND REPAIR EXISTING CONSTRUCTION (WALLS, DOORS, CEILINGS, FLOORS, ETC.) AS REQUIRED FROM DEMOLITION OR CONSTRUCTION TO ALLOW FOR THE PREP WORK AND NEW OR COMPLETION OF EXISTING FINISHES. REPAIRS OR REPLACEMENTS MUST BE DURABLE, SEAMLESS, AND MATCH THE EXISTING MATERIAL.
7. GENERAL CONTRACTOR SHALL PATCH ALL FLOOR AND WALL PENETRATIONS CAUSED BY DEMOLITION OF MECHANICAL, ELECTRICAL, TECHNOLOGY, AND PLUMBING, INCLUDING BUT NOT LIMITED TO PIPING AND CONDUIT RUNS, IN A MANNER THAT IS CONSISTENT WITH THE EXISTING FLOOR AND WALL CONSTRUCTION AND FINISH. ALL PENETRATIONS SHALL MEET REQUIRED FIRE RATINGS.
8. COORDINATE THE INSTALLATION OF ALL OWNER-SUPPLIED EQUIPMENT. REFERENCE PLANS, SPECS, AND INTERIOR ELEVATIONS FOR SPECIFIC EQUIPMENT AND ITS INSTALLATION REQUIREMENTS.
9. GENERAL CONTRACTOR SHALL PROVIDE BLOCKING, STIFFENERS, BRACINGS, BACKING PLATES, SUPPORTING BRACKETS, AND NECESSARY SELECTIVE DEMOLITION REQUIRED FOR THE PROPER INSTALLATION OF ALL CASEWORK, TOILET ROOM ACCESSORIES, TOILET PARTITIONS AND MISCELLANEOUS EQUIPMENT.
10. EXISTING AND INFILL CONCRETE SUB-FLOOR SHALL BE MADE LEVEL, PLUMB AND IN SOUND CONDITION AS REQUIRED FOR THE INSTALLATION OF FINAL FLOOR FINISHES, TYPICAL. PROVIDE ARDEX OR EQUAL LEVELING CONCRETE TO PROVIDE A SMOOTH WALKABLE AREA.
11. ALL RECESSED CABINETS, PANELS, BOXES, ETC. LOCATED IN FIRE-RATED PARTITIONS SHALL BE INSTALLED IN A MANNER WHICH MAINTAINS THE FIRE RATED CONSTRUCTION.
12. WHERE EXISTING STRUCTURE INTERSECTS WITH NEW CMU/PRE-CAST WALLS, SEPARATION FOR EXPANSION IS REQUIRED. PROVIDE GYP BD/METAL STUD INFILL TO ENCLOSE/SEPARATE ROOMS.
13. SEE ENLARGED PLANS FOR NOTES, DIMENSIONS, AND WALL TYPES WITHI THE DETAIL CALLOUT BOUNDARIES.
14. REFERERNCE SHEET A-001 FOR INTERIOR PARTITION TYPES. INTERIOR PARTITION TAGS NOTED ON COMPASS THE ENTIRE LENGTH OF WALL SHOWN TO CORNERS OF ROOM, OVER AND AROUND DOORWAYS SHOWN.
15. REFERENCE SHEET A-800'S FOR EQUIPMENT LAYOUTS AND COORDINATION REQUIREMENTS.
16. REFERENCE G-101 FOR ALL CONSTRUCTION STAGING AND SEQUENCING PHASING REQUIREMENTS.
17. REFERENCE A-103 FOR HIGH BAY WINDOW LOCATIONS AND PRECAST PLANK LAYOUT, PECAST MANUFACTURER SHALL PROVIDE FINAL PLANK LAYOUT FOR ARCHITECT REVIEW.

KEYED NOTES

4.105 CMU WALL CONNECTION SEE STRUCTURAL DETAIL 14 & 15/S-521. PROVIDE BACKER ROD AND SEALANT BOTH SIDES OF WALL.

4.109 EXISTING WALL TO REMAIN

4.110 (10) 8" BOLLARDS LOCATED 12" FROM EQUIPMENT CURB AT 8'-0" OC.

4.111 TRENCH DRAIN, SEE STRUCTURAL AND PLUMBING DRAWINGS

4.112 WASH BAY TRENCH DRAIN AND BUS GRATING, SEE STRUCTURAL AND PLUMBING DRAWINGS

4.113 CATCH BASIN, SEE PLUMBING DRAWINGS

4.114 8" BOLLARDS, SEE STRUCTURAL

4.115 DUCT SUPPORT STRUCTURE, (4) L4X4X1/4 FLOOR TO CEILING

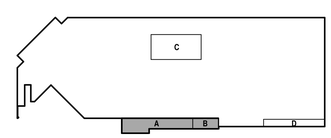
4.118 LOCATE SHEAR WALL AS CLOSE TO EXISTING BUILDING AS POSSIBLE, SEE STRUCTURAL DRAWINGS.

4.119 PRECAST CONCRETE INTERIOR WALL ON EXISTING GRADE BEAM TO REMAIN. SEE STRUCTURAL WALL ELEVATIONS.

4.124 INTERIOR STRUCTURAL SHEAR CONCRETE WALL, SEE STRUCTURAL FOR TOW ELEVATION. PROVIDE 2 STUD WALLS (FA15) ABOVE TO ROOF DECK, ONE ON EACH SIDE FACE. SEE DETAIL 22/A-501

4.125 INTERIOR CMU WALL, SEE STRUCTURAL FOR TOW ELEVATION. PROVIDE STUD WALL (SA3) ABOVE TO ROOF DECK. ALIGN WALL TO STORAGE BAY FACE OF WALL.

A 4.128 BUILDING EDGE SHALL NOT EXCEED THE PROPERTY LINE, TYP.



KEY PLAN

Mead & Hunt
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SHEET CONTENTS
PARTIAL FIRST FLOOR PLANS - AREA A & B

SHEET NO.:
A-101

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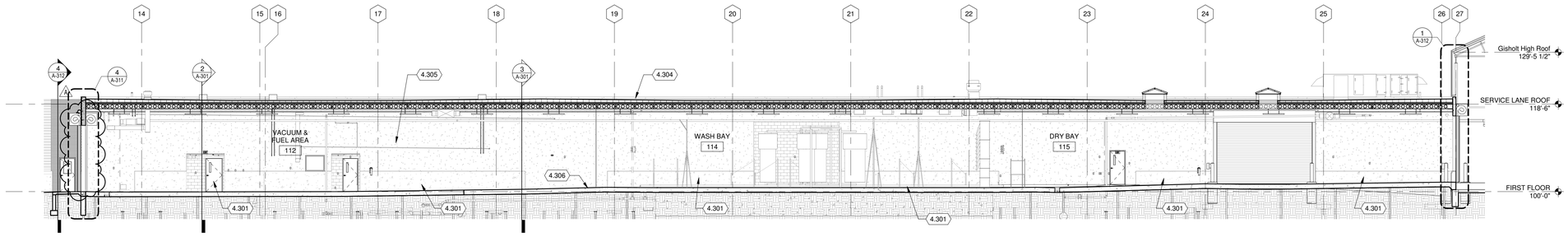
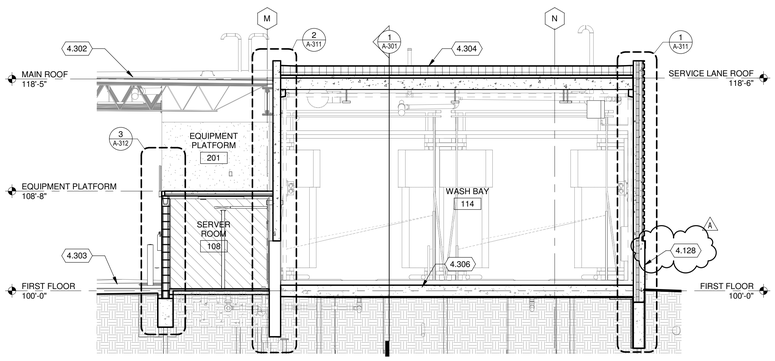
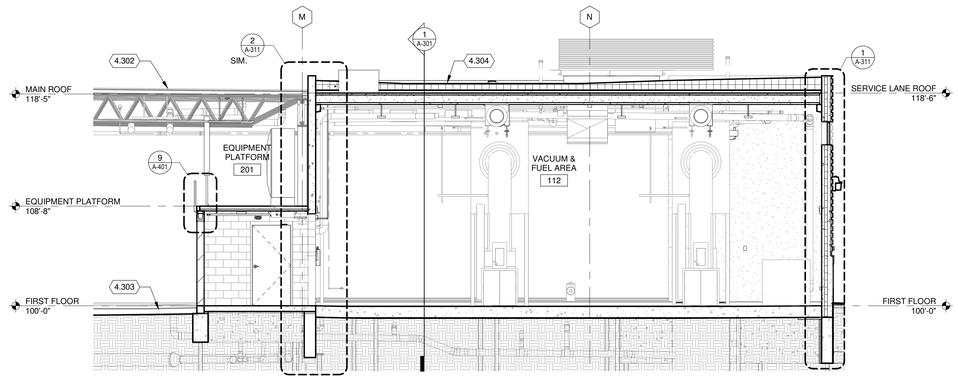


1 SERVICE LANE - LONGITUDINAL SECTION
3/32" = 1'-0"



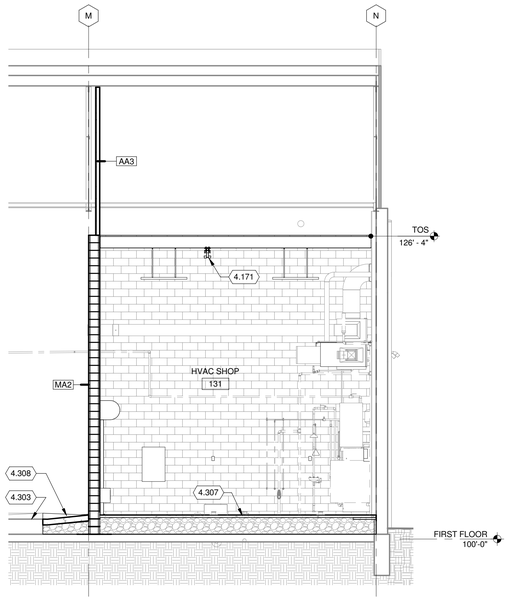
3 TRANSVERSE SECTION AT WASH BAY
3/16" = 1'-0"



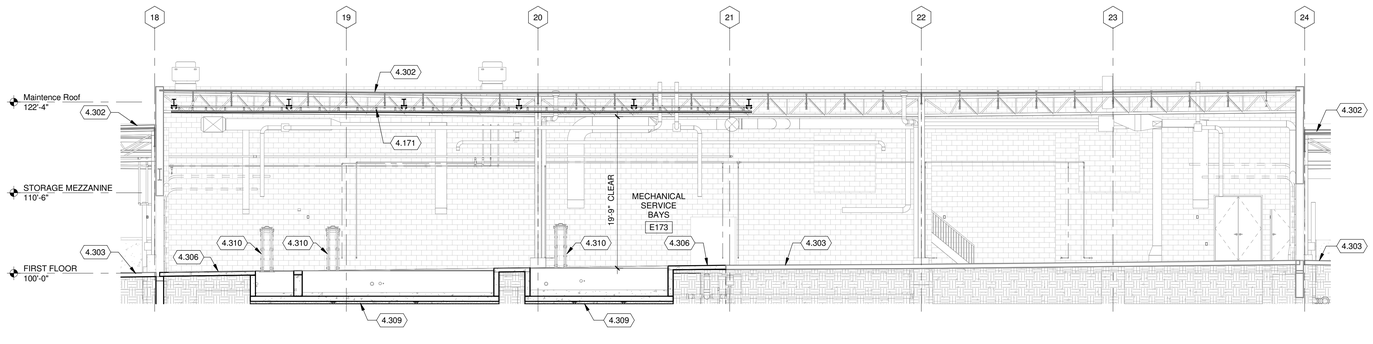
2 TRANSVERSE SECTION AT VACUUM
3/16" = 1'-0"

KEYED NOTES

A 4.128	BUILDING EDGE SHALL NOT EXCEED THE PROPERTY LINE, TYP
4.171	FALL PROTECTION DEVICE - DOUBLE RAIL CEILING MOUNTED, SEE STRUCTURAL FOR CONNECTION DETAIL.
4.301	EXISTING CONCRETE GRADE BEAM BEYOND TO REMAIN TYPICAL
4.302	EXISTING EPDM ROOF SYSTEM TO REMAIN
4.303	EXISTING SLAB TO REMAIN
4.304	EPDM ROOF SYSTEM WITH INSULATION OVER PRECAST ROOF DECK
4.305	PRECAST CONCRETE WALL BUILT ON EXISTING CONCRETE GRADE BEAM, TYP. BEYOND
4.306	CONCRETE SLAB-ON-GRADE
4.307	CONCRETE SLAB ON COMPACTED FILL, SEE STRUCTURAL
4.308	TRANSITION CONCRETE SLAB
4.309	CONCRETE PITS FOR LIFTS, SEE SHEET A-800 AND STRUCTURAL DRAWINGS
4.310	EQUIPMENT LIFTS



5 TRANSVERSE SECTION AT HVAC SHOP
3/16" = 1'-0"



4 LONGITUDINAL SECTION AT MAINTENACE B SERVICE BAY
1/8" = 1'-0"

Mead & Hunt
Mead & Hunt, Inc.
2440 Deming Way
Middleton, WI 53562
phone: 608-273-6380
meadhunt.com

KUENY ARCHITECTS, LLC

metro transit

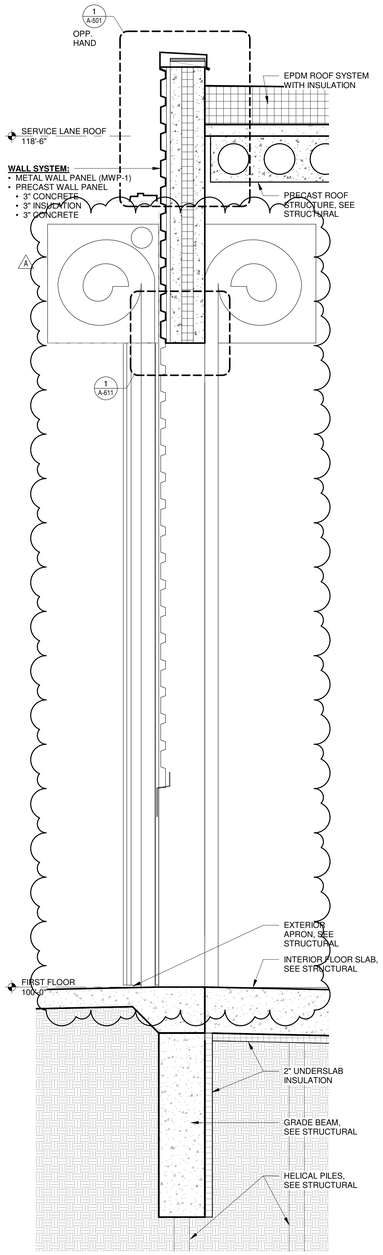
CITY OF MADISON
METRO TRANSIT - SERVICE LANE ADDITION - PHASE 1
1101 EAST WASHINGTON AVE.
MADISON, WI 53703

ISSUED
01/17/19 BID SET
A 02/08/19 ADDENDUM 1

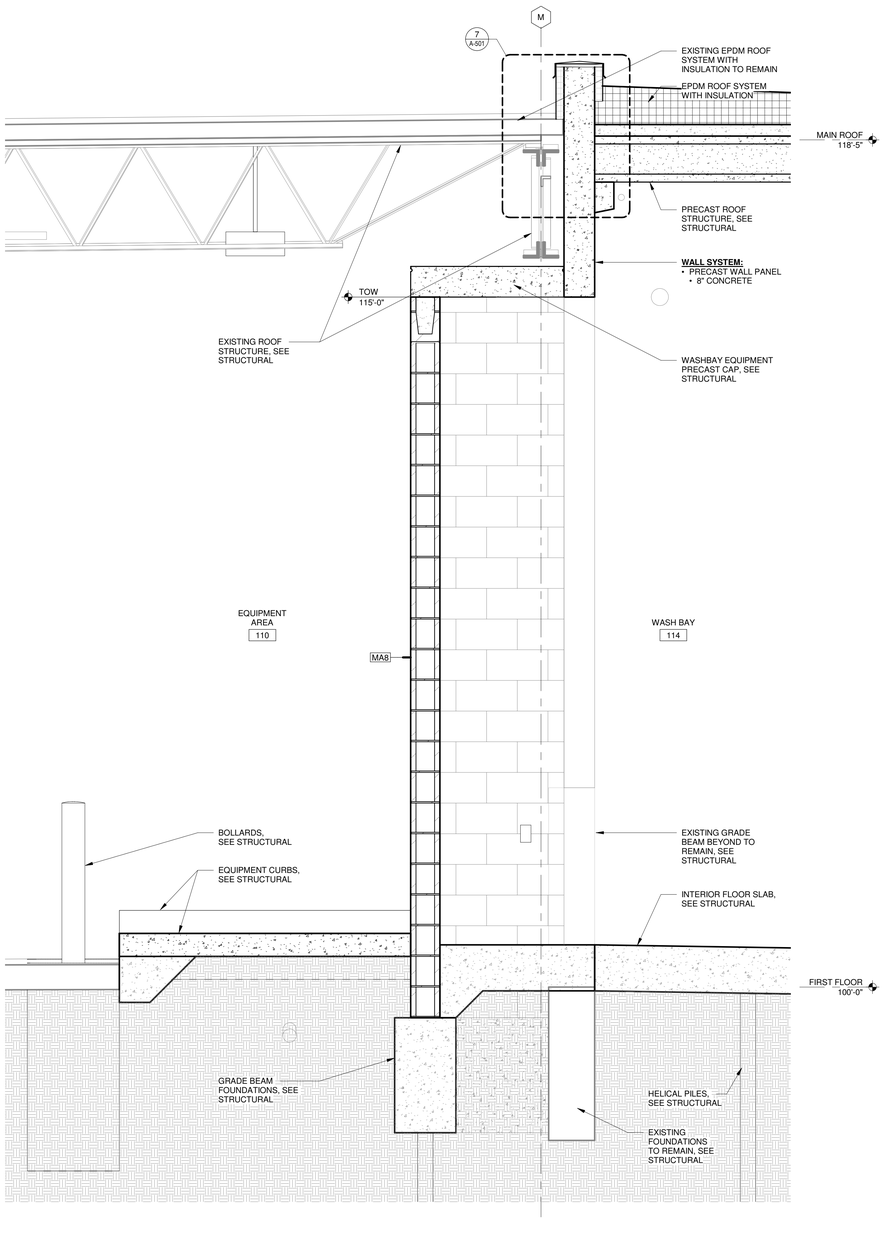
CONTRACT NO.: 8238
M&H NO.: 4503500-170148.02
DATE: January 17, 2019
DESIGNED BY: SZK
DRAWN BY: NJD
CHECKED BY: RCL
DO NOT SCALE DRAWINGS

SHEET CONTENTS
BUILDING SECTIONS

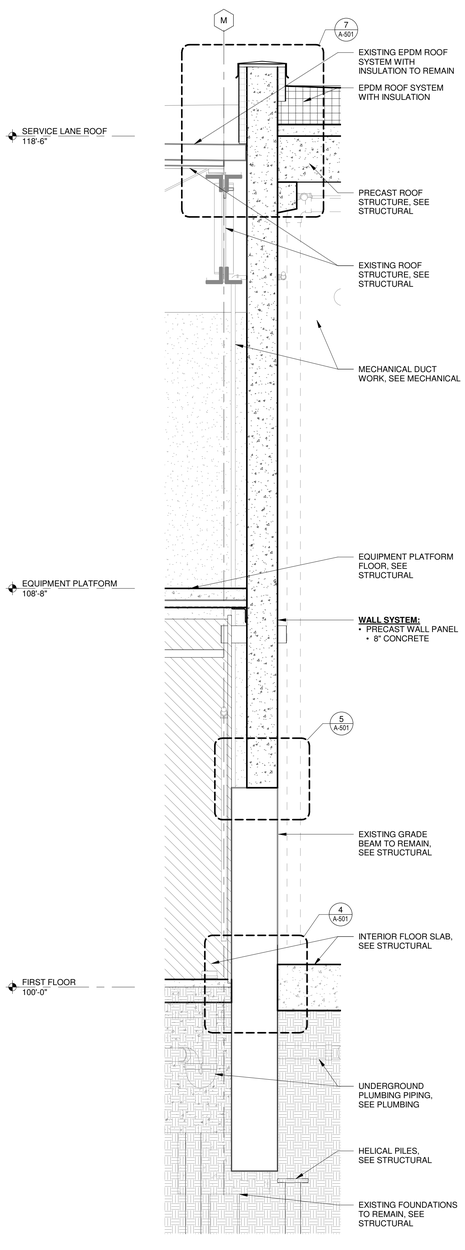
SHEET NO.:
A-301



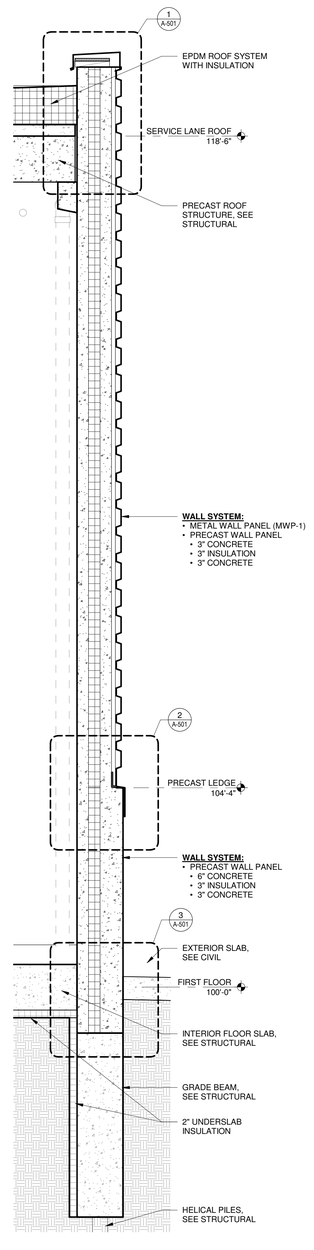
4 **WALL SECTION**
3/4" = 1'-0"



3 **WALL SECTION**
3/4" = 1'-0"



2 **WALL SECTION**
3/4" = 1'-0"



1 **WALL SECTION**
3/4" = 1'-0"

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SHEET CONTENTS
WALL SECTIONS

SHEET NO.:
A-311

ARCHITECTURAL FINISHES SCHEDULE

FINISH NUMBER	FINISH DESCRIPTION	PRODUCT DESCRIPTION					REMARKS
		MANUFACTURER	MODEL NUMBER	STYLE	COLOR	SIZE	
EPX	EPOXY FLOOR & INTEGRAL BASE	TNEMEC	DECO-FLECK 224	-	512	-	
PFMP	PRE-FINISHED METAL PANEL	-	-	-	-	-	SEE SPECIFICATIONS
PT-1	PAINT COLOR - TYPE 1	HALLMAN LINDSAY	0526		METROPOLIS MOOD		
PT-2	PAINT COLOR - TYPE 2	HALLMAN LINDSAY	0528		GREYBEARD		
PT-3	PAINT COLOR - TYPE 3	HALLMAN LINDSAY	0523		FELICITY		
SC-1	SEALED CONCRETE		SILANE				

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS				CEILING		REMARKS
				NORTH	EAST	SOUTH	WEST	MTL	HEIGHT	
101	JANITOR	EPX	EPX	PT-1	PT-1	PT-1	PT-1	EXP/PT-1		1, 3
102	TOILET	EPX	EPX	PT-3	PT-3	PT-3	PT-3	EXP/PT-3		1, 3
103	HALL	SC-1	-	-	PT-1	PT-1	PT-1	EXP/PT-1		
104	CASH ROOM	SC-1	-	PT-3	PT-3	PT-3	PT-3	EXP/PT-3		1
105	SERVICE LANE OFFICE	SC-1	-	PT-1	PT-1	PT-1	PT-1	EXP/PT-1		1
106	LOST & FOUND	SC-1	-	PT-1	PT-1	PT-1	PT-1	EXP/PT-1		1
107	STORAGE	SC-1	-	PT-1	PT-1	PT-1	PT-1	EXP/PT-1		1
108	SERVER ROOM	SC-1	-	PT-1	PT-1	PT-1	PT-1	EXP/PT-1		1
109	ELECTRICAL ROOM	SC-1	-	PT-1	PT-1	PT-1	PT-1	EXP/PT-1		1
110	EQUIPMENT AREA	SC-1	-	-	PT-1	PT-1	PT-1	EXP/PT-1		1
111	ADVERTISING STORAGE	SC-1	-	PT-1	PT-1	PT-1	PT-1	EXP/PT-1		1
112	VACUUM & FUEL AREA	SC-1	-	PT-1	PT-1	PT-1	-	EXP/PT-1		2
113	BULK FLUIDS	SC-1	-	-	-	PT-1	PT-1	EXP/PT-1		2
114	WASH BAY	SC-1	-	PT-1	-	PT-1	-	EXP/PT-1		2
115	DRY BAY	SC-1	-	PT-1	PT-1	PT-1	-	EXP/PT-1		2
131	HVAC SHOP	SC-1	-	PT-1	PT-1	PT-1	PT-1	EXP		
132	HALLWAY	SC-1	-	PT-1	PT-1	PT-1	PT-1	EXP		
133	FACILITIES STORAGE	SC-1	-	PT-1	PT-1	PT-1	PT-1	EXP		
201	EQUIPMENT PLATFORM	SC-1	-	-	PT-1	PT-1	-	EXP		
202	FIRE ALARM	SC-1	-	PT-1	PT-1	PT-1	PT-1	EXP		
S-J	STAIR J	SC-1	-	PFMP	PFMP	-	PFMP	PFMP		
S-K	STAIR K	SC-1	-	PFMP	PFMP	-	PFMP	PFMP		

ROOM FINISH SCHEDULE REMARKS:

1. PROVIDE PAINT AT EXTERIOR SIDE OF ROOM - OPEN TO THE MAIN INTERIOR BUS STORAGE.
2. EXTERIOR PRE-CAST WALLS AND CEILING REQUIRE BLOCK PRIMER AND PAINT FOR A CONTINUOUS VAPOR BARRIER AT EXTERIOR CONDITIONS.
3. EPOXY BASE SHALL BE INTEGRAL WITH THE FLOOR WITH A STANDARD RADIUS COVE AND COVE STRIP CAP.

INTERIOR FINISH GENERAL NOTES:

1. PREP ALL EXISTING AND/OR NEW WORK AREAS AS REQUIRED TO ACCOMMODATE SCHEDULED FINISHES.
2. ALL INSTALLATION BASED ON MANUFACTURER'S GUIDELINES, TYP.
3. FLOOR PREP BY INSTALLER FOR FLUSH TRANSITIONS.
4. FLOOR LEVELING SHALL BE 1/8" TOLERANCE FOR GENERAL FLOORING.
5. CONTRACTOR TO CAULK AROUND ALL WINDOW FRAMES. CAULK TO MATCH ALUMINUM FRAME COLOR.
6. ALL WALLS PAINTED PT-1, U.N.O.
7. ALL PAINTED WALLS/CEILINGS SHALL BE PAINTED IN EGGSHELL SHEEN, U.N.O. GYPSUM BOARD SUBSTRATE SHALL HAVE LIGHT ORANGE PEEL TEXTURE.
8. ALL INTERIOR HM DOOR AND FRAME FINISHES TO BE PAINTED PT-2.
9. ALL METAL LINEAR DIFFUSERS, SHOP PRIMED ACCESS PANELS, ELECTRICAL PANELS, EXPOSED CONDUIT, MECH PIPING, AND SPRINKLER PIPING SHALL BE PAINTED TO MATCH ADJACENT SURFACE, TYPICAL U.N.O.
10. ALL EXPOSED MECHANICAL DUCTS SHALL BE GALVANIZED METAL, TYPICAL.
11. ALL EXPOSED CONCRETE AND CMU NOT SCHEDULED TO RECEIVE A FINISH SHALL BE SEALED, U.N.O.
12. ALL PAINT TRANSITIONS ARE INTENDED TO MEET INSIDE CORNERS, TYP. COORDINATE W/ ARCHITECT ANY DISCREPANCIES WITH ARCHITECT.
13. ALL CMU OUTSIDE CORNERS SHALL BE BULLNOSE.
14. REFERENCE INTERIOR ELVATIONS FOR MOUNTING HEIGHTS.
15. REFERENCE A-120'S FOR CEILING FINISH COORDINATION.

DOOR AND HARDWARE SCHEDULE

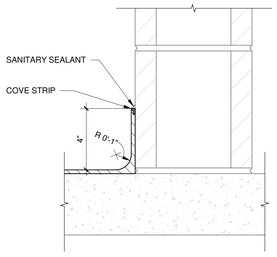
DOOR NUMBER	DOOR							FRAME					MISCELLANEOUS		
	LEAF SIZE			TYPE	MAT'L	GLAZING TYPE	FINISH	TYPE	MAT'L	DETAILS		FINISH	LABEL	HDWR SET	REMARKS
	QTY.	WIDTH	HEIGHT							HEAD	JAMB				
100A	(1)	3'-0"	7'-0"	HG	FRP	GL-1	-	F1	AL	10 & 11/A-611	9/A-611	ANN	-	1.0	2
101	(1)	3'-0"	7'-0"	F	HM	-	PT	F2	HM	20/A-611	19/A-611	PT	-	3.0	
102	(1)	3'-0"	7'-0"	F	HM	-	PT	F2	HM	18/A-611	17/A-611	PT	-	4.0	
103	(1)	3'-4"	7'-0"	N	FRP	GL-2	-	F2	AL	18/A-611	17/A-611	ANN	-	2.0	
104	(1)	3'-4"	7'-0"	F	HM	-	PT	F2	HM	18/A-611	17/A-611	PT	-	6.0	6
105	(1)	3'-0"	7'-0"	N	FRP	GL-2	-	F2	AL	18/A-611	17/A-611	ANN	-	5.0	
106	(1)	3'-4"	7'-0"	F	HM	-	PT	F2	HM	18/A-611	17/A-611	PT	-	3.0	
107	(1)	3'-4"	7'-0"	F	HM	-	PT	F2	HM	18/A-611	17/A-611	PT	-	3.0	
108	(1)	3'-0"	7'-0"	F	HM	-	PT	F2	HM	18/A-611	17/A-611	PT	-	6.0	6
109	(1)	3'-0"	7'-0"	F	HM	-	PT	F2	HM	18/A-611	17/A-611	PT	-	3.0	
111	(1)	3'-0"	7'-0"	N	HM	-	PT	F2	HM	18/A-611	17/A-611	PT	-	3.0	
112A1	-	12'-0"	14'-0"	RRR	RB	-	-	-	ST	1/A-611	2&3/A-611	GAL	-	7.0	
112A2	-	12'-0"	14'-0"	RC	ST	VL	PT	-	ST	1/A-611	2&3/A-611	GAL	-	7.0	
112B1	-	12'-0"	14'-0"	RRR	RB	-	-	-	ST	1/A-611	2&3/A-611	GAL	-	7.0	
112B2	-	12'-0"	14'-0"	RC	RB	VL	PT	-	ST	1/A-611	2&3/A-611	GAL	-	7.0	
112C	(1)	3'-0"	7'-0"	HG	FRP	GL-1	-	F1	AL	13/A-611	11 & 12/A-611	ANN	-	1.0	2
112D	(1)	3'-0"	7'-0"	HG	FRP	GL-1	-	F1	AL	13/A-611	11 & 12/A-611	ANN	-	1.0	1, 2
115A	(1)	3'-0"	7'-0"	N	FRP	GL-2	-	F1	AL	20/A-611	19/A-611	ANN	-	2.0	
115B	(1)	20'-0"	13'-0"	RRR	RB	-	-	-	ST	7/A-611	8/A-611	GAL	-	7.0	
115C	(1)	13'-0"	14'-0"	RRR	RB	-	-	-	ST	7/A-611	8/A-611	GAL	-	7.0	
115D	(1)	3'-0"	7'-0"	N	FRP	GL-2	-	F1	AL	20/A-611	19/A-611	PT	-	2.0	
131A	-	14'-0"	14'-0"	RRR	RB	-	-	-	ST	5/A-611	6/A-611	GAL	-	7.0	
131B	-	10'-0"	8'-0"	RRR	RB	-	-	-	ST	5/A-611	6/A-611	GAL	-	7.0	
131C	(1)	3'-0"	7'-0"	N	HM	GL-2	PT	F2	HM	18/A-611	17/A-611	PT	-	3.0	
132	(1)	3'-0"	7'-0"	F	HM	-	PT	F2	HM	15/A-611	14/A-611	PT	90	1.1	
133A	(1)	3'-0"	7'-0"	N	HM	GL-2	PT	F2	HM	18/A-611	17/A-611	PT	-	3.0	
133B	-	14'-0"	14'-0"	RRR	RB	-	-	-	ST	5/A-611	6/A-611	GAL	-	7.0	
133C	(2)	3'-0"	7'-0"	F	HM	-	PT	F2	HM	18/A-611	17/A-611	PT	-	3.1	
149A	-	40'-0"	13'-0"	EXISTING	EXISTING	-	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	-	4
157	(1)	3'-0"	7'-0"	F	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	1.1	3
202	(1)	3'-0"	7'-0"	F	HM	-	PT	F1	HM	18/A-611	17/A-611	PT	-	3.0	5
S5A	(1)	3'-0"	7'-0"	F	HM	-	PT	F2	HM	15/A-611	14/A-611	PT	90	1.1	

DOOR AND HARDWARE SCHEDULE ABBREVIATIONS

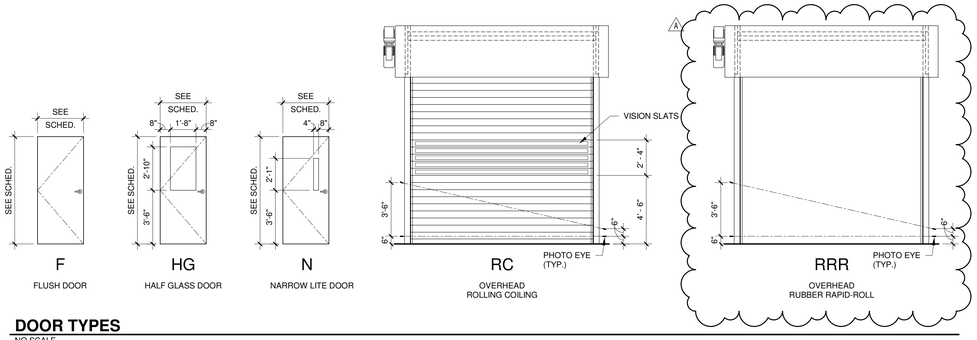
DOOR/FRAME MATERIALS
- AL = ALUMINUM
- ANN = ANNODIZED
- EX = EXISTING
- FRP = FIBERGLASS REINFORCED PLASTIC
- GAL = GALVANIZED
- HM = HOLLOW METAL
- PT = PAINT
- RB = RUBBER
- ST = STEEL

DOOR AND HARDWARE SCHEDULE GENERAL NOTES

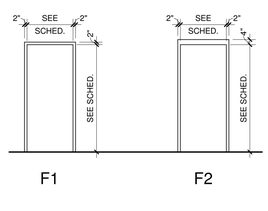
1. DOOR IS NOT REQUIRED TO BE RATED - FALLING WITHIN THE 15% UNPROTECTED, SPRINKLERED CATEGORY PER IBC TABLE 705.8
2. DOOR SHALL BE PREPPED WITH CONDUIT INFRASTRUCTURE FOR FUTURE ACCESS CONTROL SYSTEM. NO WIRING OR ELECTRONIC HARDWARE SHALL BE PROVIDED.
3. NEW HARDWARE ON EXISTING DOOR
4. EXTEND EXISTING DOOR AND RAILS BY 1'-0" FOR NEW HEIGHT REQUIREMENTS TO NOTED 13'-0"
5. KEY DOOR HARDWARE TO KNOX BOX
6. DOOR SHALL BE PREPPED WITH CONDUIT INFRASTRUCTURE FOR FUTURE ACCESS CONTROL SYSTEM. CARD READERS, WIRING, AND DATA BY OWNER.



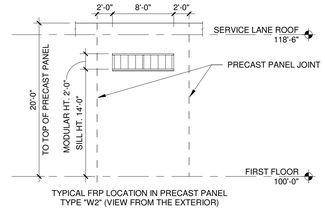
1 RESINOUS FLOOR COVE DETAIL
3" = 1'-0"



DOOR TYPES
NO SCALE

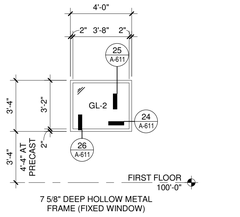


DOOR FRAME TYPES
NO SCALE



TYPICAL FRP LOCATION IN PRECAST PANEL
TYPE "W2" (VIEW FROM THE EXTERIOR)

WINDOW TYPE "W2"
1/8" = 1'-0"



7 5/8" DEEP HOLLOW METAL
FRAME (FIXED WINDOW)

WINDOW TYPE "W1"
1/4" = 1'-0"

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CITY OF MADISON WISCONSIN

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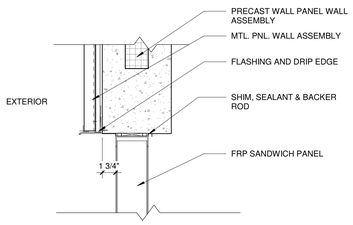
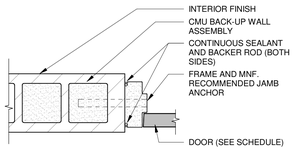
SHEET CONTENTS
SCHEDULES

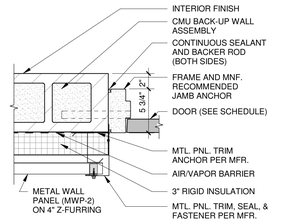
SHEET NO.:
A-601



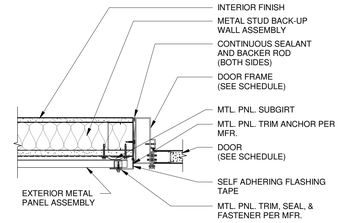
21 PRECAST FRP HEAD DETAIL
1 1/2" = 1'-0"



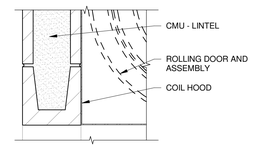
17 INTERIOR DOOR JAMB AT CMU
1 1/2" = 1'-0"



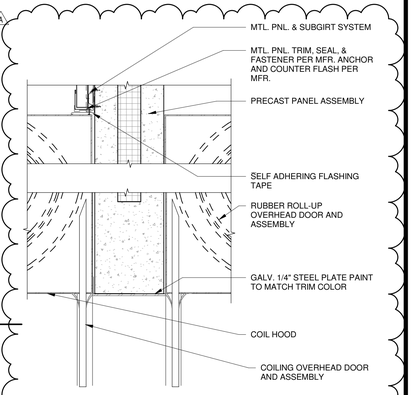
14 EXTERIOR DOOR JAMB AT CMU AND METAL PANEL
1 1/2" = 1'-0"



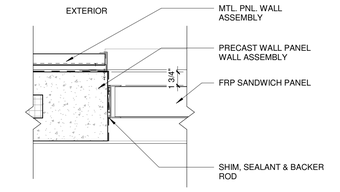
9 EXTERIOR DOOR JAMB AT METAL STUD
1 1/2" = 1'-0"



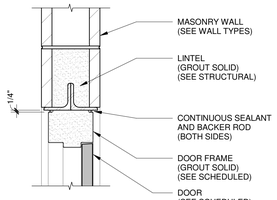
5 ROLL-UP DOOR HEAD AT INTERIOR CMU
1 1/2" = 1'-0"



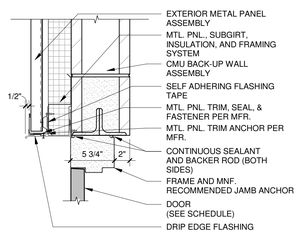
1 ROLL-UP DOOR HEAD AT EXTERIOR METAL PANEL & PRECAST
1 1/2" = 1'-0"



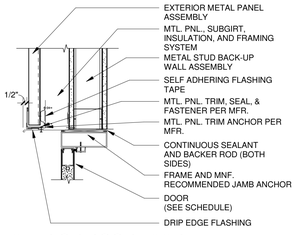
22 PRECAST FRP JAMB DETAIL
1 1/2" = 1'-0"



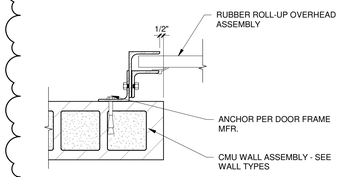
18 INTERIOR DOOR HEAD AT CMU
1 1/2" = 1'-0"



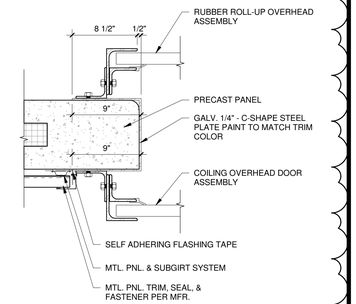
15 EXTERIOR DOOR HEAD AT CMU AND METAL PANEL
1 1/2" = 1'-0"



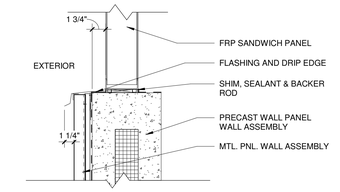
10 EXTERIOR DOOR JAMB AT METAL STUD
1 1/2" = 1'-0"



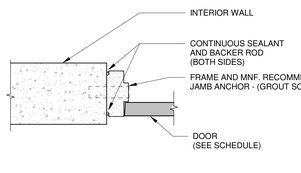
6 ROLL-UP DOOR JAMB AT INTERIOR CMU
1 1/2" = 1'-0"



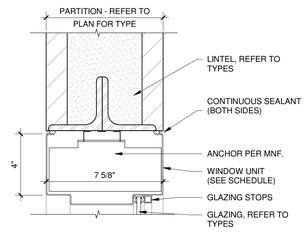
2 ROLL-UP DOOR JAMB EXTERIOR METAL PANEL & PRECAST
1 1/2" = 1'-0"



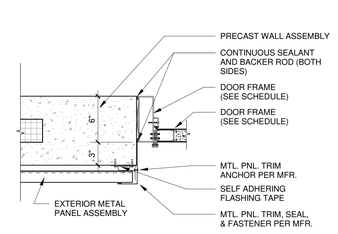
23 PRECAST FRP SILL DETAIL
1 1/2" = 1'-0"



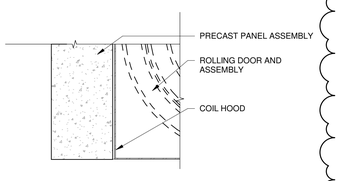
19 INTERIOR DOOR JAMB AT CONCRETE/PRECAST
1 1/2" = 1'-0"



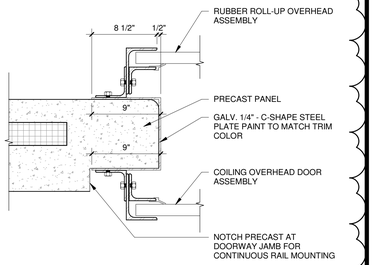
25 INTERIOR HOLLOW METAL WINDOW HEAD DETAIL
3" = 1'-0"



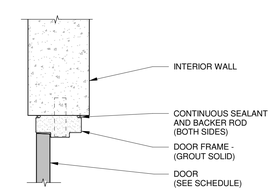
11 EXTERIOR DOOR JAMB AT PRECAST AND METAL PANEL
1 1/2" = 1'-0"



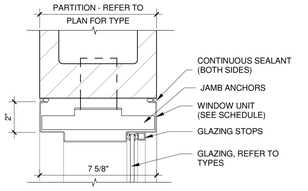
7 ROLL-UP DOOR HEAD AT INTERIOR CONCRETE/PRECAST
1 1/2" = 1'-0"



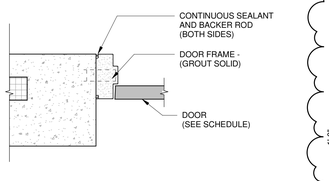
3 ROLL-UP DOOR JAMB AT EXTERIOR PRECAST PANEL BASE
1 1/2" = 1'-0"



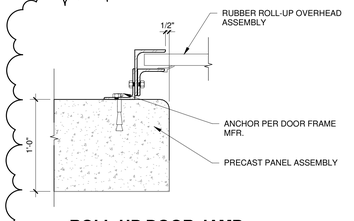
20 INTERIOR DOOR HEAD AT CONCRETE/PRECAST
1 1/2" = 1'-0"



24 INTERIOR HOLLOW METAL WINDOW HEAD DETAIL
3" = 1'-0"

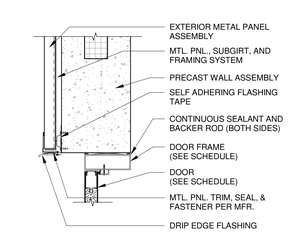


12 EXTERIOR DOOR JAMB AT PRECAST PANEL BASE
1 1/2" = 1'-0"

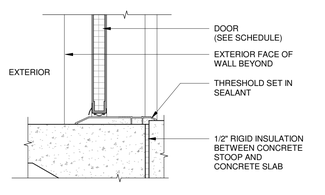


8 ROLL-UP DOOR JAMB AT INTERIOR CONCRETE/PRECAST
1 1/2" = 1'-0"

26 INTERIOR HOLLOW METAL WINDOW SILL DETAIL
3" = 1'-0"



13 EXTERIOR DOOR HEAD AT PRECAST AND METAL PANEL
1 1/2" = 1'-0"



16 EXTERIOR DOOR SILL DETAIL
1 1/2" = 1'-0"

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CITY OF MADISON WISCONSIN

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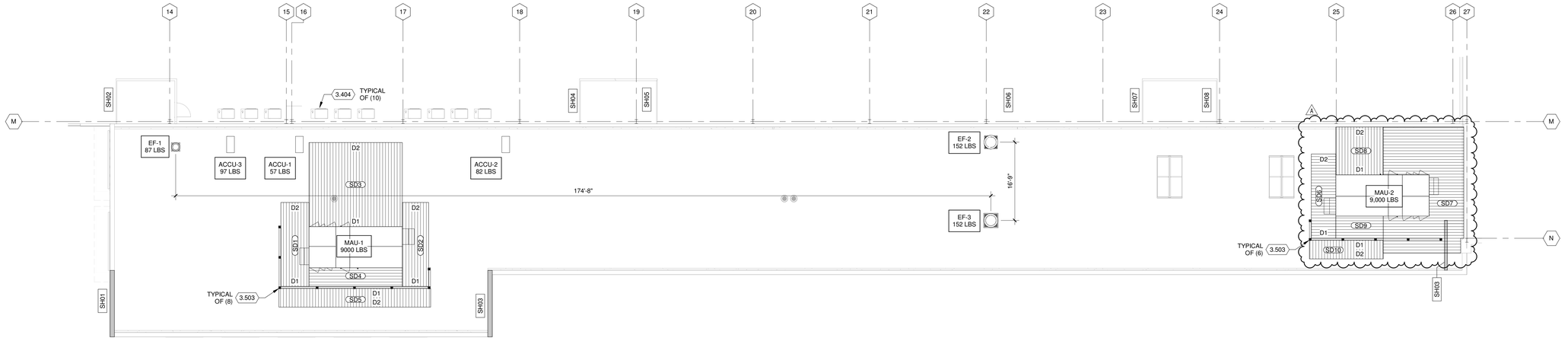
DATE: January 17, 2019
DESIGNED BY: SZK
DRAWN BY: JPM
CHECKED BY: RCL
DO NOT SCALE DRAWINGS

SHEET CONTENTS
DOOR & WINDOW DETAILS

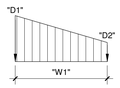
SHEET NO.:
A-611



TRUE NORTH PLAN NORTH

1 ROOF LOADING PLAN

1" = 10'-0"



SNOW DRIFT LOADING VARIABLES

MARK	D1	D2	W1
SD1	101 PSF	21 PSF	18'-0"
SD2	101 PSF	21 PSF	18'-0"
SD3	101 PSF	21 PSF	18'-0"
SD4	101 PSF	101 PSF	4'-3"
SD5	37 PSF	21 PSF	4'-0"
SD6	101 PSF	21 PSF	18'-0"
SD7	101 PSF	101 PSF	17'-3"
SD8	101 PSF	21 PSF	10'-3"
SD9	101 PSF	101 PSF	4'-9"
SD10	37 PSF	21 PSF	4'-0"

NOTE:
DRIFT VALUES SHOWN IN SNOW DRIFT LOADING SCHEDULE INCLUDE THE BASE SNOW.

SHEAR WALLS

MARK	SHEAR (k)	LENGTH
SH01	34	14'-3"
SH02	14	9'-8"
SH03	33	14'-3"
SH04	23	9'-8"
SH05	23	9'-8"
SH06	28	9'-8"
SH07	14	9'-8"
SH08	13	9'-8"
SH09	36	10'-8

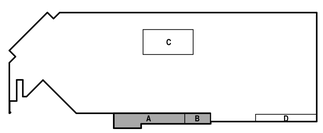
ROOF LOADING PLAN GENERAL NOTES:

1. SITE DATUM OF FINISHED FIRST FLOOR INDICATED ON CIVIL SITE PLAN = ELEVATION 100'-0" ON STRUCTURAL DRAWINGS.
2. FIELD VERIFY ALL DIMENSIONS, BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR FINAL DECISION.
3. REFER TO SHEET S-001 FOR STRUCTURAL LEGENDS, ABBREVIATIONS, AND SYMBOLOGY.
4. REFER TO SHEET S-001 AND S-002 FOR ADDITIONAL LOADS NOT INDICATED ON THIS SHEET.
5. SHEAR LOADS INDICATED ARE STRENGTH LEVEL WIND LOADS. GRAVITY LOADS ARE SERVICE LEVEL.
6. INDICATED DRIFT LOADS INCLUDE FLAT-ROOF SNOW LOAD. FLAT-ROOF SNOW LOAD, PER SHEET S-001, SHALL BE APPLIED TO ROOF STRUCTURE WHERE DRIFT LOADS ARE NOT INDICATED. A SEPARATE SNOW-LOAD CASE SHALL BE CONSIDERED WHERE THE MINIMUM UNIFORM FLAT-ROOF SNOW LOAD IS APPLIED TO THE ENTIRE ROOF STRUCTURE WITHOUT ANY DRIFT LOADING, SEE S-001.
7. NOT ALL EQUIPMENT LOADS MAY BE CAPTURED ON THIS PLAN, IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL ROOF SUPPORTED EQUIPMENT AND PIPING.
8. INDICATED LOCATIONS OF EQUIPMENT ARE PROVIDED FOR REFERENCE AND TO LOCATE REQUIRED SUPPORT FRAMING. VERIFY EXACT SIZES AND LOCATIONS WITH EQUIPMENT SUPPLIER AND OTHER TRADES PRIOR TO FABRICATION.
9. WEIGHTS OF EQUIPMENT PROVIDED ARE SELF WEIGHT AND DO NOT INCLUDE HANGERS, CURBS, ETC. VERFIY WEIGHTS WITH EQUIPMENT SUPPLIER AND OTHER TRADES PRIOR TO FABRICATON.
10. SHEAR LOADS INDICATED AT PERIMETER OF PRECAST ARE MINIMUM SHEAR LOADS DUE TO WIND. DESIGN ALL EMBED PLATES TO MEET MINIMUM LOAD REQUIREMENTS INDICATED ON SHEET S-001 AND S-002, UNLESS INDICATED OTHERWISE. DESIGN DIAPHRAGM TO SHEAR WALL CONNECTIONS TO THE SHEAR LOADS GIVEN.

KEYED NOTES

3.404 ELECTRIC CHARGER ON EQUIPMENT PLATFORM, 1400 LB LOAD.

3.503 PRECAST EMBED PLATE FOR MECHANICAL SCREEN WALL POST, SEE DETAILS ON SHEET S-551. COORDINATE SCREEN WALL LOCATION WITH ARCHITECTURAL AND MECHANICAL.



KEY PLAN

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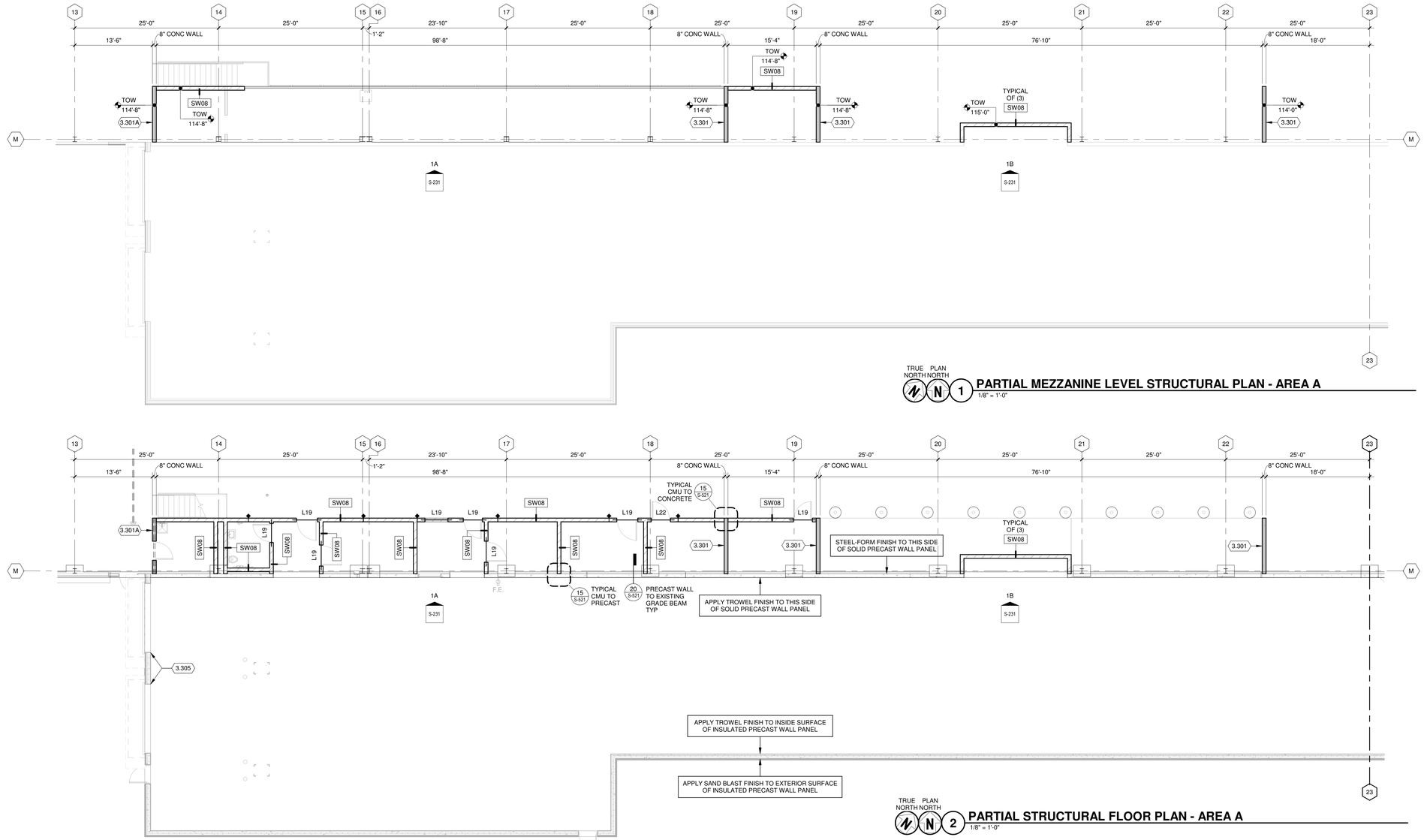
SHEET CONTENTS
ROOF LOADING PLAN

SHEET NO.:
S-010



TRUE NORTH PLAN NORTH

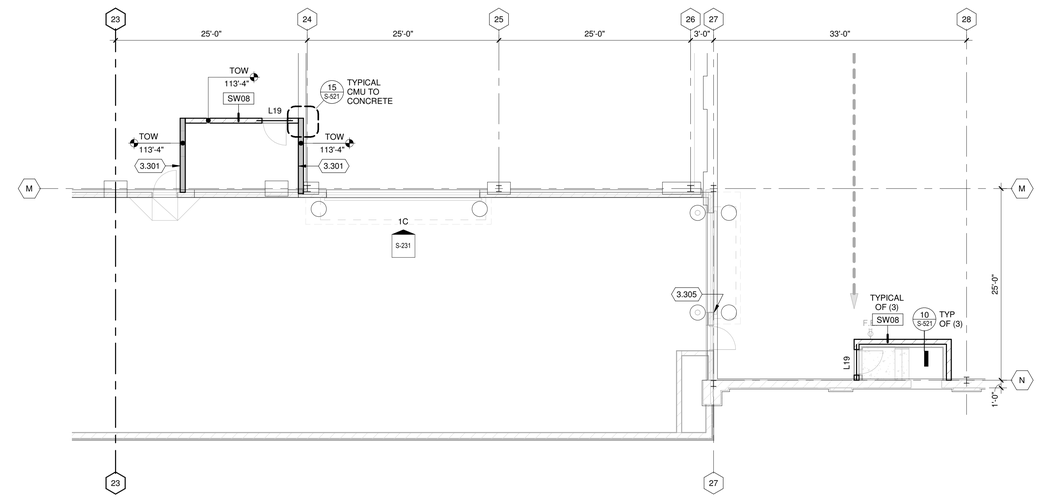
PARTIAL MEZZANINE LEVEL STRUCTURAL PLAN - AREA A

1/8" = 1'-0"

TRUE NORTH PLAN NORTH

PARTIAL STRUCTURAL FLOOR PLAN - AREA A

1/8" = 1'-0"



TRUE NORTH PLAN NORTH

PARTIAL STRUCTURAL FLOOR PLAN - AREA B

1/8" = 1'-0"

STRUCTURAL FLOOR PLAN GENERAL NOTES:

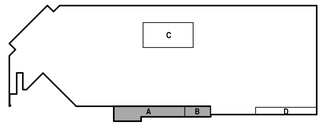
1. SITE DATUM OF FINISHED FIRST FLOOR INDICATED ON CIVIL SITE PLAN = ELEVATION 100'-0" ON STRUCTURAL DRAWINGS.
2. FIELD VERIFY ALL DIMENSIONS, BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR FINAL DECISION.
3. REFER TO SHEET S-001 FOR STRUCTURAL LEGENDS, ABBREVIATIONS AND SYMBOLOGY.
4. REFER TO SHEET S-521 FOR TYPICAL DETAILS NOT REFERENCED ON THIS SHEET.
5. ALL 8" (NOMINAL) MASONRY WALLS SHALL BE SW08 UNLESS NOTED OR DETAILED OTHERWISE.
6. GROUT ALL MASONRY SOLID BELOW ELEVATION 100'-0".
7. ALL MASONRY WALL REINFORCEMENT SHALL BE FULL HEIGHT UNLESS NOTED OR DETAILED OTHERWISE.
8. STRUCTURAL WALL TYPES SHALL REMAIN CONTINUOUS ACROSS LINTELS AND MASONRY CONTROL JOINTS (MCJ), UNLESS NOTED OR DETAILED OTHERWISE.
9. PROVIDE L19 LINTEL AT ALL MASONRY OPENINGS (NOT INDICATED) EXCEEDING 1'-0" IN WIDTH AND LESS THAN 4'-0" IN WIDTH. COORDINATE WITH ALL OTHER DISCIPLINES FOR LOCATION AND SIZE OF SUCH PENETRATIONS.
10. COORDINATE REQUIRED WALL PENETRATIONS WITH ALL OTHER DISCIPLINES TO AVOID PENETRATION OF STRUCTURAL MEMBERS AT LINTELS, TOP OF WALL, AND ANY OTHER STRUCTURAL ELEMENTS IN THE FIELD OF THE MASONRY WALL. NOTIFY ENGINEER PRIOR TO PENETRATION OF ANY STRUCTURAL MEMBERS INCLUDING, BUT NOT LIMITED TO, BOND BEAMS AND PORTIONS OF FULLY GROUTED MASONRY WALLS.
11. ◆ = CONTROL JOINT IN MASONRY WALL. CONTROL JOINTS IN MASONRY SHALL NOT BE LOCATED CLOSER THAN 2'-0" TO THE EDGE OF MASONRY OPENINGS, UNLESS NOTED OTHERWISE.
12. ALL PRECAST CONNECTIONS SHALL BE MADE WITH STAINLESS STEEL PLATE, WELDING WIRE/ROD, AND WORKED WITH TOOLS DEDICATED TO STAINLESS STEEL WORK.

KEYED NOTES

3.301 CONCRETE SHEAR WALL, SEE DETAIL 6/S-521.

3.301A CONCRETE SHEAR WALL, SEE DETAIL 6/S-521. ADD (2) #5 BARS 3" OVER DOOR OPENING, FULL LENGTH OF WALL

A 3.305 DESIGN PRECAST FOR LOADS FROM COILING OVERHEAD DOORS. COILING OVERHEAD DOORS ARE REQUIRED ON BOTH SIDES OF WALL. NOTCH WALL PER ARCHITECTURE. COORDINATE OVERHEAD DOOR LOADS AND REQUIREMENTS WITH OVERHEAD DOOR SUPPLIER.



KEY PLAN

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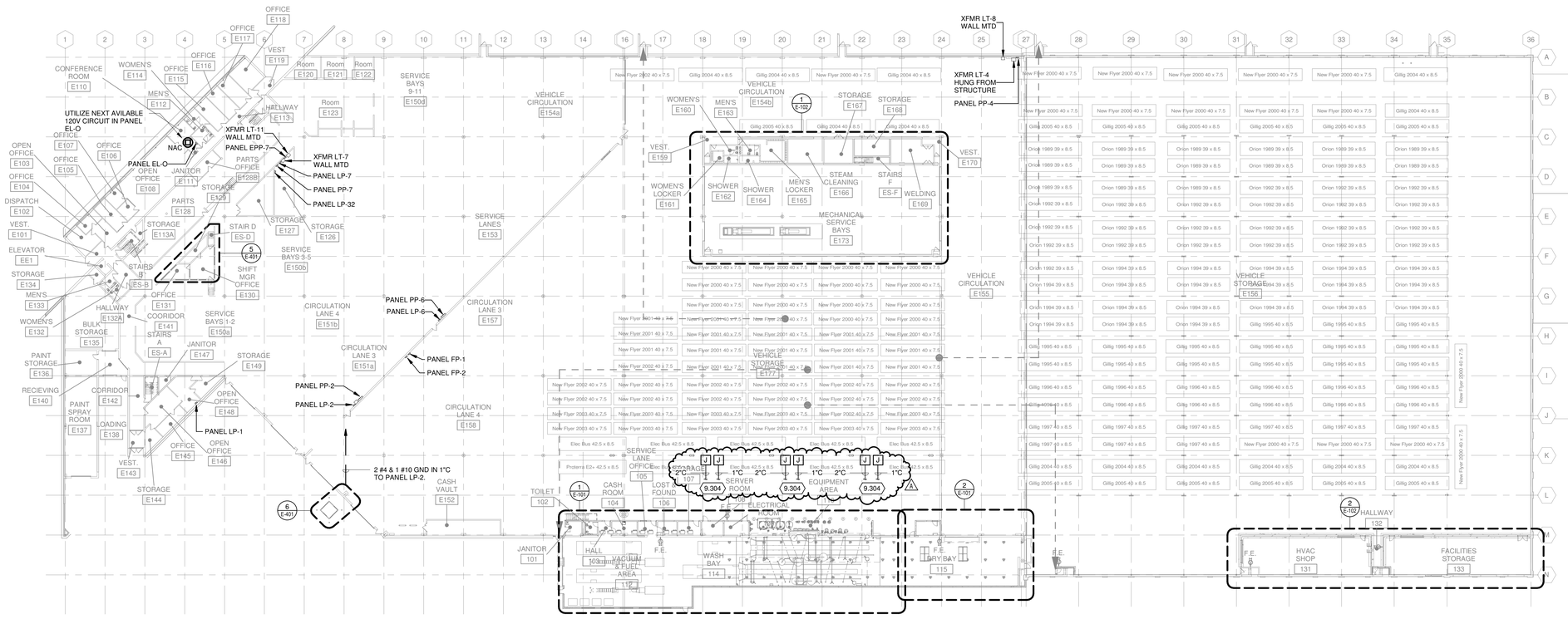
SHEET CONTENTS
PARTIAL STRUCTURAL FLOOR PLANS

SHEET NO.:

S-131



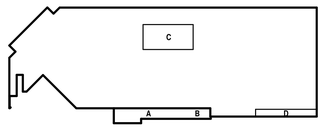
TRUE NORTH PLAN NORTH

1 OVERALL FIRST FLOOR POWER PLAN

1/32" = 1'-0"

KEYED NOTES

9.304 PROVIDE 2"C FOR FUTURE DC POWER AND 1"C FOR FUTURE 24VDC CONTROL WIRING FOR FUTURE E-BUS DISPENSERS. EXTEND FROM 24" X 30" X 6" JUNCTION BOX TO EACH RESPECTIVE JUNCTION BOX FOR CHARGING UNITS AS SHOWN ON 3/E-401. JUNCTION BOX INSTALLED AT BOTTOM OF JOIST. EC TO COORDINATE EXACT LOCATION WITH ARCHITECT/ENGINEER PRIOR TO ROUGH-IN.



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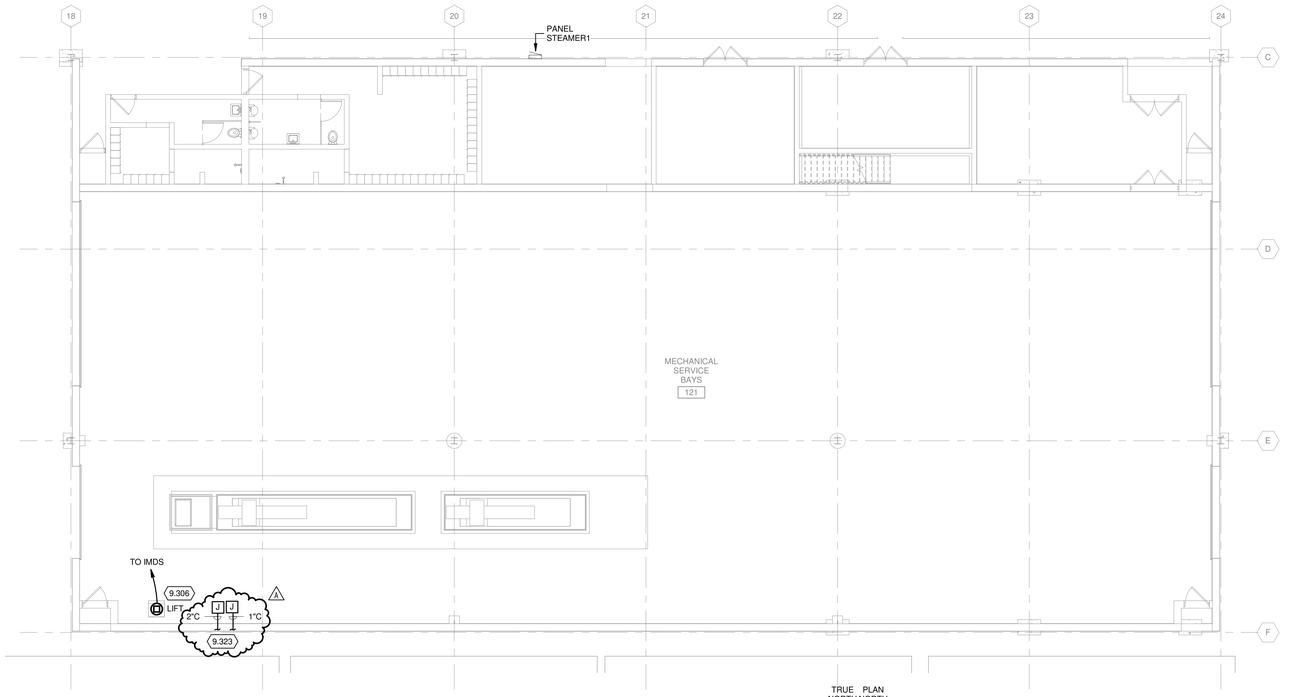
SHEET CONTENTS
OVERALL FIRST FLOOR POWER PLAN

SHEET NO.:
E-100

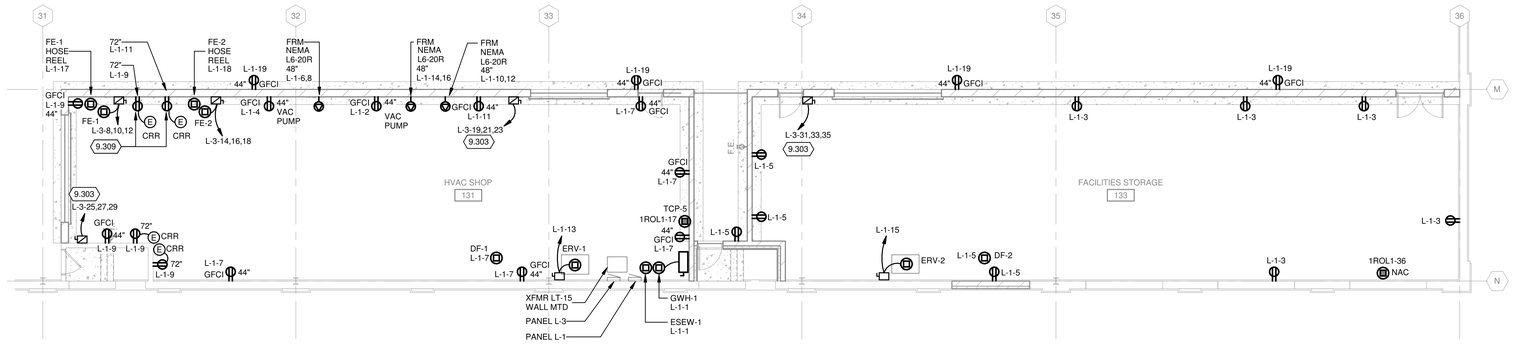
2/6/2019 10:20:18 AM C:\Revit Local\4503500-170148.02-E-Central-2018_mark.braithwaite.rvt



TRUE NORTH PLAN NORTH

1 FIRST FLOOR POWER PLAN - AREA C

1/8" = 1'-0"



TRUE NORTH PLAN NORTH

2 FIRST FLOOR POWER PLAN - AREA D

1/8" = 1'-0"

POWER GENERAL NOTES:

1. ALL 120V DEVICES TO BE FEED FROM PANEL 1RNL1 UNLESS NOTED OTHERWISE.
2. IN ROOMS 112, 114 & 115 EC TO MINIMIZE UNDERFLOOR PENETRATIONS AND RUN CONDUIT OVER HEAD WHENEVER POSSIBLE.

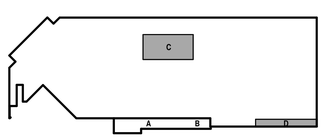
KEYED NOTES

9.303 EC TO PROVIDE AND INSTALL FUSED DISCONNECT. COORDINATE LOCATION OF DISCONNECT WITH DOOR INSTALLER. ALL WIRING & CONDUIT FROM DISCONNECT TO CONTROL PANEL AND DOOR MOTOR, CONTROL PANEL, JUNCTION BOXES AND DOOR MOTORS TO BE PROVIDED AND INSTALLED BY DOOR INSTALLER.

9.306 LIFT CONTROL PANEL. EC TO COORDINATE EXACT LOCATION WITH LIFT INSTALLER PRIOR TO ROUGH IN. EC TO PROVIDE (1) 3/4" EMPTY CONDUIT FROM CONTROL PANEL TO EACH OF THREE PIT LOCATIONS FOR LIFT CONTROL CABLES. CONDUIT ROUTING COORDINATED WITH LIFT INSTALLER.

9.309 COORDINATE LOCATION OF RECEPTACLE WITH OWNER PRIOR TO ROUGH-IN.

A 9.323 PROVIDE 2"C FOR FUTURE DC POWER AND 1"C FOR FUTURE 24VDC CONTROL WIRING FOR FUTURE E-BUS DISPENSERS. EXTEND FROM 24" X 30" X 6" JUNCTION BOX TO JOIST SPACE ABOVE BUS CHARGING STATIONS. FOR CONTINUATION REFER TO DRAWING 3/E-101. JUNCTION BOX INSTALLED AT BOTTOM OF JOIST. EC TO COORDINATE EXACT LOCATION WITH ARCHITECT/ENGINEER PRIOR TO ROUGH-IN.



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SHEET CONTENTS
FIRST FLOOR POWER PLAN - AREAS C & D

SHEET NO.:
E-102