

\$7,055,600.00
FILE

BID OF KENNETH F. SULLIVAN CO.

2019

PROPOSAL, CONTRACT, BOND AND SPECIFICATIONS

FOR

METRO TRANSIT - SERVICE LANE ADDITION - PHASE 1

CONTRACT NO. 8238

MUNIS NO. 11228-50-140

IN

MADISON, DANE COUNTY, WISCONSIN

AWARDED BY THE COMMON COUNCIL
MADISON, WISCONSIN ON MARCH 19, 2019

CITY ENGINEERING DIVISION
1600 EMIL STREET
MADISON, WISCONSIN 53713

<https://bidexpress.com/login>

**METRO TRANSIT - SERVICE LANE ADDITION - PHASE 1
CONTRACT NO. 8238**

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EXHIBITS FOR BIDDING PURPOSES:

- Exhibit A – Plans Dated January 17, 2019
- Exhibit B – Specification Volume 1 Dated January 17, 2019
- Exhibit C – Specification Volume 2 Dated January 17, 2019

This Proposal, and Agreement have
been prepared by:

**CITY ENGINEERING DIVISION
CITY OF MADISON
MADISON, DANE COUNTY, WISCONSIN**



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

RFP: jce

SECTION A: ADVERTISEMENT FOR BIDS AND INSTRUCTIONS TO BIDDERS

REQUEST FOR BID FOR PUBLIC WORKS CONSTRUCTION CITY OF MADISON, WISCONSIN

A BEST VALUE CONTRACTING MUNICIPALITY

PROJECT NAME:	METRO TRANSIT - SERVICE LANE ADDITION - PHASE 1
CONTRACT NO.:	8238
SBE GOAL	8%
BID BOND	5%
PRE BID BUILDING/SITE TOUR (2:00 P.M.)	THURSDAY JANUARY 31, 2019
BIDDER QUESTIONS, CLARIFICATIONS AND REQUESTS FOR SUBSTITUTIONS	THURSDAY FEBRUARY 14, 2019
PREQUALIFICATION APPLICATION DUE (2:00 P.M.)	THURSDAY FEBRUARY 21, 2019
SBE PRE BID MEETING (1:00 P.M.)	FRIDAY FEBRUARY 22, 2019
BID SUBMISSION (2:00 P.M.)	THURSDAY FEBRUARY 28, 2019
BID OPEN (2:30 P.M.)	THURSDAY FEBRUARY 28, 2019
PUBLISHED IN WSJ	JANUARY 17, 24 31 & FEBRUARY 7, 14 & 21, 2019

PRE BID BUILDING /SITE TOUR:

The City of Madison is conducting one (1) Pre-Bid Walk through session at Metro Transit at 1101 E. Washington Ave, during the bidding period of this contract. All contractors are invited to attend a short introductory meeting, a short guided tour of the project area, and then will be allowed to more thoroughly review the project area at their own pace. Please note: this is an occupied building with constant bus traffic and requires high visibility vests to be worn at all times.

This is the only time contractors shall be allowed access to non-public areas of the project area. You may review Public Areas at any time during normal working hours.

Staff from Mead & Hunt, City Project Manager, and City Construction Manager will be on hand to take questions related to the plans and specifications. Questions shall be recorded and responded to in the form of a published addendum.

BIDDER QUESTIONS, CLARIFICATIONS, AND REQUESTS FOR SUBSTITUTIONS:

If needed, Mead & Hunt and/or the City Construction Manager (CCM) shall publish addenda to respond to any questions, clarifications, or requests for substitutions.

- Any questions or requests for clarifications regarding plans and specifications shall be submitted directly to Mead & Hunt and the CCM. Responses that change the contract scope and/or schedule will be published by Mead & Hunt and/or the CCM in the form of a bidding addendum.
- Requests for substitutions shall be done according to Specification 01 25 13 Product Substitution Procedures and other specifications as necessary. Use the form at the end of the specification. Contractors are cautioned to review all specifications and note whether substitutions for specific products will be allowed or not.
- See the contract contact information at the end of Section D-Special Provisions for contact information. All questions and/or substitution requests shall be sent via email, reference Metro Transit – Service Lane Addition – Phase 1 – City Contract #8328.
- **The deadline for receiving all questions, clarifications, and requests for substitutions shall be as indicated in the schedule table above.**

SBE PRE BID MEETING: Representatives of the Affirmative Action Department will be present to discuss the Small Business Enterprise requirements at 1600 Emil Street, Madison Wisconsin.

PREQUALIFICATION APPLICATION: Forms are available on our website, www.cityofmadison.com/business/pw/forms.cfm. If not currently prequalified in the categories listed in Section A, an amendment to your Prequalification will need to be submitted prior to the same due date. Postmark is not applicable.

BIDS TO BE SUBMITTED by hand to 1600 EMIL ST., MADISON, WI 53713 or online at www.bidexpress.com.

THE BID OPENING is at 1600 EMIL ST., MADISON, WI 53713.

STANDARD SPECIFICATIONS

The City of Madison's Standard Specifications for Public Works Construction - 2019 Edition, as supplemented and amended from time to time, forms a part of these contract documents as if attached hereto.

These standard specifications are available on the City of Madison Public Works website, www.cityofmadison.com/Business/PW/specs.cfm.

The Contractor shall review these Specifications prior to preparation of proposals for the work to be done under this contract, with specific attention to Article 102, "BIDDING REQUIREMENTS AND CONDITIONS" and Article 103, "AWARD AND EXECUTION OF THE CONTRACT." For the convenience of the bidder, below are highlights of three subsections of the specifications.

SECTION 102.1: PRE-QUALIFICATION OF BIDDERS

In accordance with Wisconsin State Statutes 66.0901 (2) and (3), all bidders must submit to the Board of Public Works proof of responsibility on forms furnished by the City. The City requires that all bidders be qualified on a biennial basis.

Bidders must present satisfactory evidence that they have been regularly engaged in the type of work specified herein and they are fully prepared with necessary capital, materials, machinery and supervisory personnel to conduct the work to be contracted for to the satisfaction of the City. All bidders must be pre-qualified by the Board of Public Works for the type of construction on which they are bidding prior to the opening of the bid.

In accordance with Section 39.02(9)(a)l. of the General Ordinances, all bidders shall submit in writing to the Affirmative Action Division Manager of the City of Madison, a Certificate of Compliance or an Affirmative Action Plan at the same time or prior to the submission of the proof of responsibility forms.

The bidder shall be disqualified if the bidder fails to or refuses to, prior to opening of the bid, submit a Certificate of compliance, Affirmative Action Plan or Affirmative Action Data Update, as applicable, as defined by Section 39.02 of the General Ordinances (entitled Affirmative Action) and as required by Section 102.11 of the Standard Specifications.

SECTION 102.4 PROPOSAL

No bid will be accepted that does not contain an adequate or reasonable price for each and every item named in the Schedule of Unit Prices.

A lump sum bid for the work in accordance with the plans and specifications is required. The lump sum bid must be the same as the total amounts bid for the various items and it shall be inserted in the space provided.

All papers bound with or attached to the proposal form are considered a part thereof and must not be detached or altered when the proposal is submitted. The plans, specifications and other documents designated in the proposal form will be considered a part of the proposal whether attached or not.

A proposal submitted by an individual shall be signed by the bidder or by a duly authorized agent. A proposal submitted by a partnership shall be signed by a member/partner or by a duly authorized agent thereof. A proposal submitted by a corporation shall be signed by an authorized officer or duly authorized registered agent of such corporation, and the proposal shall show the name of the State under the laws of which such corporation was chartered. The required signatures shall in all cases appear in the space provided thereof on the proposal.

Each proposal shall be placed, together with the proposal guaranty, in a sealed envelope, so marked as to indicate name of project, the contract number or option to which it applies, and the name and address of the Contractor or submitted electronically through Bid Express (www.bidexpress.com). Proposals will be accepted at the location, the time and the date designated in the advertisement. Proposals received after the time and date designated will be returned to the bidder unopened.

SECTION 102.5: BID DEPOSIT (PROPOSAL GUARANTY)

All bids, sealed or electronic, must be accompanied with a Bid Bond (City of Madison form) equal to at least 5% of the bid or a Certificate of Annual/Biennial Bid Bond or certified check, payable to the City Treasurer. Bid deposit of the successful bidders shall be returned within forty-eight (48) hours following execution of the contract and bond as required.

MINOR DISCREPENCIES

Bidder is responsible for submitting all forms necessary for the City to determine compliance with State and City bidding requirements. Notwithstanding any language to the contrary contained herein, the City may exercise its discretion to allow bidders to correct or supplement submissions after bid opening, if the minor discrepancy, bid irregularity or omission is insignificant and not one related to price, quality, quantity, time of completion or performance of the contract.

Bidders for this Contract(s) must be Pre-Qualified for at least one of the following type(s) of construction denoted by an

Building Demolition

- 101 Asbestos Removal
- 120 House Mover

- 110 Building Demolition

Street, Utility and Site Construction

- 201 Asphalt Paving
- 205 Blasting
- 210 Boring/Pipe Jacking
- 215 Concrete Paving
- 220 Con. Sidewalk/Curb & Gutter/Misc. Flat Work
- 221 Concrete Bases and Other Concrete Work
- 222 Concrete Removal
- 225 Dredging
- 230 Fencing
- 235 Fiber Optic Cable/Conduit Installation
- 240 Grading and Earthwork
- 241 Horizontal Saw Cutting of Sidewalk
- 242 Infrared Seamless Patching
- 245 Landscaping, Maintenance
- 246 Ecological Restoration
- 250 Landscaping, Site and Street
- 251 Parking Ramp Maintenance
- 252 Pavement Marking
- 255 Pavement Sealcoating and Crack Sealing
- 260 Petroleum Above/Below Ground Storage Tank Removal/Installation
- 262 Playground Installer

- 265 Retaining Walls, Precast Modular Units
- 270 Retaining Walls, Reinforced Concrete
- 275 Sanitary, Storm Sewer and Water Main Construction
- 276 Sawcutting
- 280 Sewer Lateral Drain Cleaning/Internal TV Insp.
- 285 Sewer Lining
- 290 Sewer Pipe Bursting
- 295 Soil Borings
- 300 Soil Nailing
- 305 Storm & Sanitary Sewer Laterals & Water Svc.
- 310 Street Construction
- 315 Street Lighting
- 318 Tennis Court Resurfacing
- 320 Traffic Signals
- 325 Traffic Signing & Marking
- 332 Tree pruning/removal
- 333 Tree, pesticide treatment of
- 335 Trucking
- 340 Utility Transmission Lines including Natural Gas, Electrical & Communications
- 399 Other _____

Bridge Construction

- 501 Bridge Construction and/or Repair

Building Construction

- 401 Floor Covering (including carpet, ceramic tile installation, rubber, VCT)
- 402 Building Automation Systems
- 403 Concrete
- 404 Doors and Windows
- 405 Electrical - Power, Lighting & Communications
- 410 Elevator - Lifts
- 412 Fire Suppression
- 413 Furnishings - Furniture and Window Treatments
- 415 General Building Construction, Equal or Less than \$250,000
- 420 General Building Construction, \$250,000 to \$1,500,000
- 425 General Building Construction, Over \$1,500,000
- 428 Glass and/or Glazing
- 429 Hazardous Material Removal
- 430 Heating, Ventilating and Air Conditioning (HVAC)
- 433 Insulation - Thermal
- 435 Masonry/Tuck pointing

- 437 Metals
- 440 Painting and Wallcovering
- 445 Plumbing
- 450 Pump Repair
- 455 Pump Systems
- 460 Roofing and Moisture Protection
- 464 Tower Crane Operator
- 461 Solar Photovoltaic/Hot Water Systems
- 465 Soil/Groundwater Remediation
- 466 Warning Sirens
- 470 Water Supply Elevated Tanks
- 475 Water Supply Wells
- 480 Wood, Plastics & Composites - Structural & Architectural
- 499 Other _____

State of Wisconsin Certifications

- 1 Class 5 Blaster - Blasting Operations and Activities 2500 feet and closer to inhabited buildings for quarries, open pits and road cuts.
- 2 Class 6 Blaster - Blasting Operations and Activities 2500 feet and closer to inhabited buildings for trenches, site excavations, basements, underwater demolition, underground excavations, or structures 15 feet or less in height.
- 3 Class 7 Blaster - Blasting Operations and Activities for structures greater than 15' in height, bridges, towers, and any of the objects or purposes listed as "Class 5 Blaster or Class 6 Blaster".
- 4 Petroleum Above/Below Ground Storage Tank Removal and Installation (Attach copies of State Certifications.)
- 5 Hazardous Material Removal (Contractor to be certified for asbestos and lead abatement per the Wisconsin Department of Health Services, Asbestos and Lead Section (A&LS).) See the following link for application: www.dhs.wisconsin.gov/Asbestos/Cert. State of Wisconsin Performance of Asbestos Abatement Certificate must be attached.
- 6 Certification number as a Certified Arborist or Certified Tree Worker as administered by the International Society of Arboriculture
- 7 Pesticide application (Certification for Commercial Applicator For Hire with the certification in the category of turf and landscape (3.0) and possess a current license issued by the DATCP)
- 8 State of Wisconsin Master Plumbers License.

SECTION B: PROPOSAL

Please refer to the
Bid Express Website
at <https://bidexpress.com>
look up contract number
and go to
Section B: Proposal Page

You can access all City of Madison bid solicitations for FREE at www.bidexpress.com

Click on the "Register for Free" button and follow the instructions to register your company and yourself. You will be asked for a payment subscription preference, since you may wish to bid online someday. Simply choose the method to pay on a 'per bid' basis. This requires no payment until / unless you actually bid online. You can also choose the monthly subscription plan at this time. You will, however, be asked to provide payment information. Remember, you can change your preference at anytime. You will then be able to complete your free registration and have full access to the site. Your free access does not require completion of the 'Digital ID' process, so you will have instant access for viewing and downloading. To be prepared in case you ever do wish to bid online, you may wish to establish your digital ID also, since you cannot bid without a Digital ID.

If you have any problems with the free registration process, you can call the bidexpress help team, toll free at 1-888-352-2439 (option 1, option1).

SECTION C: SMALL BUSINESS ENTERPRISE

Instructions to Bidders City of Madison SBE Program Information

2 Small Business Enterprise (SBE) Program Information

2.1 Policy and Goal

The City of Madison reaffirms its policy of nondiscrimination in the conduct of City business by maintaining a procurement process which remains open to all who have the potential and ability to sell goods and services to the City. It is the policy of the City of Madison to allow Small Business Enterprises (SBE) maximum feasible opportunity to participate in City of Madison contracting. The bidder acknowledges that its bid has been submitted in accordance with the SBE program and is for the public's protection and welfare.

Please refer to the "ADVERTISEMENT FOR BIDS" for the goal for the utilization of SBEs on this project. SBEs may participate as subcontractors, vendors and/or suppliers, which provide a commercially useful function. The dollar value for SBE suppliers or 'materials only' vendors shall be discounted to 60% for purposes of meeting SBE goals.

A bidder which achieves or exceeds the SBE goal will be in compliance with the SBE requirements of this project. In the event that the bidder is unable to achieve the SBE goal, the bidder must demonstrate that a good faith effort to do so was made. Failure to either achieve the goal or demonstrate a good faith effort to do so will be grounds for the bidder being deemed a non-responsible contractor ineligible for award of this contract.

A bidder may count towards its attainment of the SBE goal only those expenditures to SBEs that perform a commercially useful function. For purposes of evaluating a bidder's responsiveness to the attainment of the SBE goal, the contract participation by an SBE is based on the percentage of the total base bid proposed by the Contractor. The total base bid price is inclusive of all addenda.

Work performed by an SBE firm in a particular transaction can be counted toward the goal only if it involves a commercially useful function. That is, in light of industry practices and other relevant considerations, does the SBE firm have a necessary and useful role in the transaction, of a kind for which there is a market outside the context of the SBE Program, or is the firm's role a superfluous step added in an attempt to obtain credit towards goals? If, in the judgment of the Affirmative Action Division, the SBE firm will not perform a commercially useful function in the transaction, no credit towards goals will be awarded.

The question of whether a firm is performing a commercially useful function is completely separate from the question of whether the firm is an eligible SBE. A firm is eligible if it meets the definitional criteria and ownership and control requirements, as set forth in the City of Madison's SBE Program.

If the City of Madison determines that the SBE firm is performing a commercially useful function, then the City of Madison must then decide what that function is. If the commercially useful function is that of an SBE vendor / supplier that regularly transacts business with the respective product, then the City of Madison will count 60% of the value of the product supplied toward SBE goals.

To be counted, the SBE vendor / supplier must be engaged in selling the product in question to the public. This is important in distinguishing an SBE vendor / supplier, which has a regular trade with a variety of customers, from a firm which performs supplier-like functions on an ad hoc basis or for only one or two contractors with whom it has a special relationship.

A supplier of bulk goods may qualify as an eligible SBE vendor / supplier if it either maintains an inventory or owns or operates distribution equipment. With respect to the distribution equipment; e.g., a fleet of trucks, the term "operates" is intended to cover a situation in which the supplier leases the equipment on a regular basis for its entire business. It is not intended to cover a situation in which the firm simply provides drivers for trucks owned or leased by another party; e.g., a prime contractor, or leases such a party's trucks on an ad hoc basis for a specific job.

If the commercially useful function being performed is not that of a qualified SBE vendor / supplier, but rather that of delivery of products, obtaining bonding or insurance, procurement of personnel, acting as a broker or manufacturer's representative in the procurement of supplies, facilities, or materials, etc., only the fees or commissions will apply towards the goal.

For example, a business that simply transfers title of a product from manufacturer to ultimate purchaser; e. g., a sales representative who re-invoices a steel product from the steel company to the Contractor, or a firm that puts a product into a container for delivery would not be considered a qualified SBE vendor / supplier. The Contractor would not receive credit based on a percentage of the cost of the product for working with such firms.

Concerning the use of services that help the Contractor obtain needed supplies, personnel, materials or equipment to perform a contract: only the fee received by the service provider will be counted toward the goal. For example, use of a SBE sales representative or distributor for a steel company, if performing a commercially useful function at all, would entitle the Contractor receiving the steel to count only the fee paid to the representative or distributor toward the goal. This provision would also govern fees for professional and other services obtained expressly and solely to perform work relating to a specific contract.

Concerning transportation or delivery services: if an SBE trucking company picks up a product from a manufacturer or a qualified vendor / supplier and delivers the product to the Contractor, the commercially useful function it is performing is not that of a supplier, but simply that of a transporter of goods. Unless the trucking company is itself the manufacturer or a qualified vendor / supplier in the product, credit cannot be given based on a percentage of the cost of the product. Rather, credit would be allowed for the cost of the transportation service.

The City is aware that the rule's language does not explicitly mention every kind of business that may contribute work on this project. In administering these programs, the City would, on a case-by-case basis, determine the appropriate counting formula to apply in a particular situation.

2.2 Contract Compliance

Questions concerning the SBE Program shall be directed to the Contract Compliance Officer of the City of Madison Department of Civil Rights, Affirmative Action Division, 210 Martin Luther King, Jr. Blvd., Room 523, Madison, WI 53703; telephone (608) 266-4910.

2.3 Certification of SBE by City of Madison

The Affirmative Action Division maintains a directory of SBEs which are currently certified as such by the City of Madison. Contact the Contract Compliance Officer as indicated in Section 2.2 to receive a copy of the SBE Directory or you may access the SBE Directory online at www.cityofmadison.com/dcr/aaTBDDir.cfm.

All contractors, subcontractors, vendors and suppliers seeking SBE status must complete and submit the **Targeted Business Certification Application** to the City of Madison Affirmative Action Division by the time and date established for receipt of bids. A copy of the Targeted Business Certification Application is available by contacting the Contract Compliance Officer at the address and telephone indicated in Section 2.2 or you may access the Targeted Business Certification Application online at www.cityofmadison.com/dcr/aaTBDDir.cfm. Submittal of the Targeted Business Certification Application by the time specified does not guarantee that the applicant will be certified as a SBE eligible to be utilized towards meeting the SBE goal for this project.

2.4 Small Business Enterprise Compliance Report

2.4.1 Good Faith Efforts

Bidders shall take all necessary affirmative steps to assure that SBEs are utilized when possible and that the established SBE goal for this project is achieved. A contractor who self performs a portion of the work, and is pre-qualified to perform that category of work, may subcontract that portion of the work, but shall not be required to do so. When a bidder is unable to achieve the established SBE goal, the bidder must demonstrate that a good faith effort to do so was made. Such a good faith effort should include the following:

- 2.4.1.1 Attendance at the pre-bid meeting.
- 2.4.1.2 Using the City of Madison's directory of certified SBEs to identify SBEs from which to solicit bids.
- 2.4.1.3 Assuring that SBEs are solicited whenever they are potential sources.
- 2.4.1.4 Referring prospective SBEs to the City of Madison Affirmative Action Division for certification.
- 2.4.1.5 Dividing total project requirements into smaller tasks and/or quantities, where economically feasible, to permit maximum feasible SBE participation.
- 2.4.1.6 Establishing delivery schedules, where requirements permit, which will encourage participation by SBEs.
- 2.4.1.7 Providing SBEs with specific information regarding the work to be performed.
- 2.4.1.8 Contacting SBEs in advance of the deadline to allow such businesses sufficient time to prepare a bid.
- 2.4.1.9 Utilizing the bid of a qualified and competent SBE when the bid of such a business is deemed reasonable (i.e. 5% above the lowest bidder), although not necessarily low.
- 2.4.1.10 Contacting SBEs which submit a bid, to inquire about the details of the bid and confirm that the scope of the work was interpreted as intended.
- 2.4.1.11 Completion of Cover Page (page C-6), Summary Sheet (page C-7) and SBE Contact Reports (pages C-8 and C9) if applicable.

2.4.2 Reporting SBE Utilization and Good Faith Efforts

The Small Business Enterprise Compliance Report is to be submitted by the bidder with the bid. This report is due by the specified bid closing time and date. Bids submitted without a completed SBE Compliance Report as outlined below may be deemed non-responsible and the bidder ineligible for award of this contract. Notwithstanding any language to the contrary contained herein, the City may exercise its discretion to allow bidders to correct or supplement submissions after bid opening, if the minor discrepancy, bid irregularity or omission is insignificant and not one related to price, quality, quantity, time of completion, performance of the contract, or percentage of SBE utilization.

2.4.2.1 If the Bidder meets or exceeds the goal established for SBE utilization, the Small Business Enterprise Compliance Report shall consist of the following:

2.4.2.1.1 **Cover Page**, Page C-6; and

2.4.2.1.2 **Summary Sheet**, C-7.

2.4.2.2 If the bidder does not meet the goal established for SBE utilization, the Small Business Enterprise Compliance Report shall consist of the following:

2.4.2.2.1 **Cover Page**, Page C-6;

2.4.2.2.2 **Summary Sheet**, C-7; and

2.4.2.2.3 **SBE Contact Report**, C-8 and C-9. (A separate Contact Report must be completed for each applicable SBE which is not utilized.)

2.5 Appeal Procedure

A bidder which does not achieve the established goal and is found non-responsible for failure to demonstrate a good faith effort to achieve such goal and subsequently denied eligibility for award of contract may appeal that decision to the Small Business Enterprises Appeals Committee. All appeals shall be made in writing, and shall be delivered to and received by the City Engineer no later than 4:30 PM on the third business day following the bidder's receipt of the written notification of ineligibility by the Affirmative Action Division Manager. Postmark not acceptable. The notice of appeal shall state the basis for the appeal of the decision of the Affirmative Action Division Manager. The Appeal shall take place in accordance with Madison General Ordinance 33.54.

2.6 SBE Requirements After Award of the Contract

The successful bidder shall identify SBE subcontractors, suppliers and vendors on the subcontractor list in accordance with the specifications. The Contractor shall submit a detailed explanation of any variances between the listing of SBE subcontractors, vendors and/or suppliers on the subcontractor list and the Contractor's SBE Compliance Report for SBE participation.

No change in SBE subcontractors, vendors and/or suppliers from those SBEs indicated in the SBE Compliance Report will be allowed without prior approval from the Engineer and the Affirmative Action Division. The contractor shall submit in writing to the City of Madison Affirmative Action Division a request to change any SBE citing specific reasons which necessitate such a change. The Affirmative Action Division will use a general test of reasonableness in approving or rejecting the contractor's request for change. If the request is approved, the Contractor will make every effort to utilize another SBE if available.

The City will monitor the project to ensure that the actual percentage commitment to SBE firms is carried out.

2.7 SBE Definition and Eligibility Guidelines

A Small Business Enterprise is a business concern awarded certification by the City of Madison. For the purposes of this program a Small Business Enterprise is defined as:

- A. An independent business operated under a single management. The business may not be a subsidiary of any other business and the stock or ownership may not be held by any individual or any business operating in the same or a similar field. In determining whether an entity qualifies as a SBE, the City shall consider all factors relevant to being an independent business including, but not limited to, the date the business was established, adequacy of its resources for the work in which it proposes to involve itself, the degree to which financial, equipment leasing and other relationships exist with other ineligible firms in the same or similar lines of work. SBE owner(s) shall enjoy the customary incidents of ownership and shall share in the risks and profits commensurate with their enjoyment interests, as demonstrated by an examination of the substance rather than form or arrangements that may be reflected in its ownership documents.

- B. A business that has averaged no more than \$4.0 million in annual gross receipts over the prior three year period and the principal owner(s) do not have a personal net worth in excess of \$1.32 million.

Firm and/or individuals that submit fraudulent documents/testimony may be barred from doing business with the City and/or forfeit existing contracts.

SBE certification is valid for one (1) year unless revoked.

SECTION D: SPECIAL PROVISIONS

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

It is the intent of these Special Provisions to set forth the final contractual intent as to the matter involved and shall prevail over the Standard Specifications and plans whenever in conflict therewith. In order that comparisons between the Special Provisions can be readily made, the numbering system for the Special Provisions is equivalent to that of the Specifications.

Whenever in these Specifications the term "Standard Specifications" appears, it shall be taken to refer to the City of Madison Standard Specifications for Public Works Construction and Supplements thereto.

ARTICLE 102.9: BIDDER'S UNDERSTANDING

Tax Exempt Status. Effective with all contracts executed after January 1, 2016, the sales price from the sale, storage, use or other consumption of tangible personal property that is used in conjunction with a public works improvement for a tax exempt entity (including the City of Madison), is exempt from State sales tax. Said property must become a component of the project owned by the tax exempt entity and includes: any building; shelter; parking lot; parking garage; athletic field; storm sewer; water supply system; or sewerage and waste water treatment facility, but does not include a highway, street or road.

The contractor shall ensure that the exemption for sales and use tax available under Wis. Stat. Sec. 77.54(9m) applies where available. The contractor shall provide all necessary documentation as required by the State of Wisconsin and the City of Madison to comply with this exemption.

See link to Wisconsin Department of Revenue Tax Bulletin, January 2016, Number 192 and 2015 Wis. Act 126 for additional information.

Contractors wishing to sub contract with a non-union Small Business Enterprise (SBE) may encourage the non-union SBE subcontractor to consider entering into a Project Labor Agreement with the subject union specific to the Metro Transit – Service Lane Addition – Phase 1, to enable the General Contractor to count the participation of the non-union SBE for SBE Goal achievement. Interested SBE Subcontractors may contact the Executive Director, Building and Construction Trades Council of South Central Wisconsin at btrades@sbcglobal.net or at (608) 256-3161 to discuss entering into such an agreement.

SECTION 102.11: BEST VALUE CONTRACTING

This Contract shall be considered a Best Value Contract if the Contractor's bid is equal to or greater than \$62,500 for a single trade contract; or equal to or greater than \$306,000 for a multi-trade contract pursuant to MGO 33.07(7).

ARTICLE 103 AWARD AND EXECUTION OF THE CONTRACT

The awarded Contractor shall completely execute the signing of all contract documents and submit them to City Engineering (Attn: Alane Boutelle, 1600 Emil Street, Madison, WI 53703) prior to **12:00pm on Thursday, March 21, 2019**. Delays by the Contractor in submitting the required completed contract documents will not adjust the project completion date. Payment and Performance Bonds shall be dated no sooner than **Wednesday, March 20, 2019**.

The bidder must completely fill in the base bid and the alternate. If any responsible bidder submits a base bid plus alternate one (1) that is below the Construction Budget Dollar Value, the City will award the contract based on the base bid plus alternate one (1). If no responsible bidder submits a base bid plus alternate one (1) that is below the Construction Budget Dollar Value, the City will award the contract based on the base bid only. The City shall have the right to proceed or not proceed with alternate one (1) regardless of how the bid was awarded. The City shall have the right to reject all bids regardless of the value of the bids submitted.

ARTICLE 104 SCOPE OF WORK

This contract is for the Metro Transit – Service Lane Addition (approx. 10,300 sf) and associated interior remodeling (approx. 13,255 sf) at 1101 E. Washington Ave as identified in drawings. Work includes phasing to allow for continuous owner occupancy and 24-hour operations. The new construction work includes, but is not limited to: load-bearing precast concrete wall panels, precast roof superstructure, metal wall panels, low-slope EPDM roofing, overhead doors, FRP doors with aluminum frames, hollow metal doors and frames, fiberglass-sandwich-panel exterior windows and skylights as identified on the drawings. New or renovated interior construction is concrete masonry units. Interior finishes include high performance wall and ceiling coatings, painted masonry, sealed concrete and resinous flooring finishes. Work also includes new or renovated HVAC, electrical, plumbing, fire protection and technology systems; and new vehicle lifts, fueling, lubrication, vacuuming and vehicle washing systems.

The scope of work includes the furnishing of all labor, materials, equipment, tools, and other services necessary to complete the work in accordance with the intent of this contract. The Contractor shall use properly functioning equipment capable of performing the tasks required. The Contractor shall furnish workers who perform quality work and who are experienced and knowledgeable in the work proposed.

SECTION 104.1 LANDS FOR WORK

General outlines for the Lands for Work for this contract are represented on the Civil drawings and generally include the southeastern portion of the property between 1101 E. Washington and 100 S. Baldwin Street. All use of the City Lands for Work – by the Contractor - shall be reviewed and approved by the City's Construction Manager.

The Contractor for this Work must coordinate with the owner of 100 S. Baldwin Street (Madison Gas and Electric) to assist in access for both parties. A construction easement has been established between the City of Madison and Madison Gas and Electric for this purpose. The Contractor for this Work is required to have Rigger's Insurance when/if materials are lifted over the 100 S. Baldwin Street property.

The Contractor for this Work must also coordinate the work so as not to interfere with Metro Transit operations. Vehicles can only be parked on site for deliveries.

No tobacco product use is allowed on the Lands for Work.

SECTION 104.2 INTENT AND COORDINATION OF CONTRACT DOCUMENTS

The contract documents are complimentary of each other and consist of all of the following:

- The City Standard Specifications for Public Works Construction, 2019 Edition
- These Special Provisions including all plans and specifications as noted by the exhibits listed below.
- All Addenda to the bidding documents.

EXHIBITS FOR BIDDING PURPOSES:

8238 Exhibit A – Plans Dated January 17, 2019

8238 Exhibit B – Project Specifications Volume One Dated January 17, 2019

8238 Exhibit C – Project Specifications Volume Two Dated January 17, 2019

SECTION 105.5 INSPECTION OF WORK

The Contractor shall coordinate directly with any and all regulatory agencies having jurisdiction over the licensing, permitting, and inspection of work as described in the construction documents.

All Contractors shall be familiar with Specification 01 45 16 – Field Quality Control Procedures regarding City of Madison policies and procedures for Quality Assurance and Quality Control.

SECTION 105.6 CONTRACTORS RESPONSIBILITY FOR WORK

The Contractor shall not take advantage of any discrepancy in the plans or specifications. This shall include but not be limited to apparent errors, omissions, and interpretations involving codes, regulations, and standards.

Any Contractor who identifies such a discrepancy during the bidding process shall notify Mead & Hunt, the City Project Manager (CPM), and the City Construction Manager (CCM) of the discrepancy prior to the "Questions and Clarifications Deadline" as noted in Section A of the bid documents.

Any Contractor who identifies such a discrepancy after the bidding process and/or after contract signing shall immediately notify Mead & Hunt, the CPM, and the CCM in writing and request clarification on how to proceed. See Specification 01 26 13 – Request for Information (RFI).

SECTION 105.7 CONTRACT DOCUMENTS

The General Contractor is responsible for reproducing all construction documents necessary to complete the Work at their own cost. This shall include plans, specifications, and addenda for the General Contractor and all Sub-contractors. The Contractor shall keep one copy of all drawings and Specifications on the project site, in good order, available to the Project Designers and all City representatives.

SECTION 105.9 SURVEYS, POINTS, AND INSTRUCTIONS

The General Contractor is responsible for providing all survey, benchmarks, points, and elevations required for this project.

SECTION 105.12 COOPERATION BY THE CONTRACTOR

Any Work outside the specified Lands for Work will need to be coordinated with CPM/CCM for City of Madison Engineering.

- Provide an anticipated work schedule including number of people, type of access, equipment, and duration. Schedule shall be supplied at least five (5) working days prior to the date access will be required.
- All tools, equipment, and materials shall be mobile and shall be moved back to within the Lands for Work at the end of each work day or otherwise coordinated with Metro Transit.
- All adjacent spaces will be hermetically sealed to minimize dust and debris from entering adjacent spaces. Any common areas including but limited to drive aisles, hallways, and roof access (if utilized) shall be cleaned of dust and debris at the end of each work day

All excessive noisy activities will need to be coordinated and scheduled with the CPM/CCM for City of Madison Engineering.

The General Contractor shall be responsible for the sequencing of the project.

The Contractor shall review all other specifications within the construction documents and Additional Reference Documents for other requirements and coordination of work associated with this contract.

SECTION 107.2 PROTECTION AND RESTORATION OF PROPERTY

The Contractor shall be responsible for the protection and restoration of all new and existing work according to Specification 01 76 00 – PROTECTING INSTALLED CONSTRUCTION.

SECTION 107.4(e) OTHER INSURANCE

Riggers Insurance

The Contractor shall purchase and maintain insurance when/if materials are lifted over the 100 S. Baldwin Street property. See SECTION 104.1 LANDS FOR WORK for details.

SECTION 108.2 PERMITS AND LICENSING

See 01 31 46 Permits.

The Contractor is responsible for obtaining and paying for all required permits.

The Contractor shall be responsible for any fines issued due to non-compliance with the project permits.

SECTION 109.7 TIME OF COMPLETION

Work shall only begin after the contract is completely executed and the start work letter is received. It is anticipated that the start work letter shall be issued on or about March 29, 2019.

The Contractor shall have reached a level of Construction Closeout **NO LATER THAN Friday, February 28, 2020.**

The Contractor shall review Specifications 01 29 76 Progress Payment Procedures and 01 77 00 Closeout Procedures and be completely familiar with the progress payment milestones and definitions related to construction closeout and contract closeout.

SECTION 109.9 LIQUIDATED DAMAGES

The fixed, agreed upon, liquidated damages for failure to complete all work within the Contract Time, shall be calculated in accordance with Article 109 of Standard Specifications, per working day.

NON STANDARD BID ITEMS

BID ITEM 90000 – BASE BID

DESCRIPTION: The BASE BID shall include the complete installation of all building, mechanical, site, and utility components; the accepted testing, and commissioning of all systems; and the completion, and turn-in of all deliverables as outlined in the plans and specifications.

(excluding Alternate 1)

METHOD OF MEASUREMENT: The BASE BID shall be measured as Lump Sum of the required construction and installations described in the plans and specifications. Partial Payments shall be requested as indicated in Specifications 01 29 73-Schedule of Values and 01 29 76- Progress Payment Procedures.

BASIS OF PAYMENT: The BASE BID shall be paid at the contract unit price. Partial payments shall be reviewed and authorized as described in the above referenced specifications.

BID ITEM 90001 – ALTERNATE 1

DESCRIPTION: ALTERNATE NO. 1: Fire Alarm Devices

METHOD OF MEASUREMENT: The ALTERNATE NO. 1 shall be measured as Lump Sum of the required construction and installations described in the plans and specifications. Partial Payments shall be requested as indicated in Specifications 01 29 73-Schedule of Values and 01 29 76-Progress Payment Procedures.

BASIS OF PAYMENT: The ALTERNATE NO. 1 shall be paid at the contract unit price. Partial payments shall be reviewed and authorized as described in the above referenced specifications.

POINTS OF CONTACT

We ask all Contractors with questions and concerns regarding the bidding documents shall contact the Project Architect by e-mail so we may properly log, track, and respond to all issues. Please reference Metro Transit – Service Lane Addition Contract #8328.

The Project Architect for this contract is:

Mead & Hunt

Stacey Keller, AIA

PH: 608-443-0590

Email: Stacey.keller@meadhunt.com

The City Project Manager for this contract is:

City of Madison

Jon Evans, PE

PH: 608-243-5893

Email: jevans@cityofmadison.com



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Robert F. Phillips, P.E., City Engineer
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Deputy City Engineer
Gregory T. Fries, P.E.
Deputy Division Manager
Kathleen M. Cryan
Principal Engineer 2
Christopher J. Petykowski, P.E.
John S. Fahrney, P.E.
Principal Engineer 1
Christina M. Bachmann, P.E.
Mark D. Moder, P.E.
Janet Schmidt, P.E.
Facilities & Sustainability
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,

A handwritten signature in black ink, appearing to read "Robert F. Phillips".

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 Henrich	Ideal Builders	jhenrich@idealbuildersinc.com	608-219-7441
Rich Lundeen	Mead+Hunt	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	THUR 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 WAKE	R F SULLIVAN	JEREMY@SULLIVANDESKBUILD.COM	235-4457
BART O'BRIEN	R F SULLIVAN	BART " " "	"
NORM RIVERA	HOOPER	NRivera@hooper-corp.com	608-577-0261
Ryan Michuda	Fox Arneson	rmichuda@foxarneson.com	608-469-6038

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 from 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.

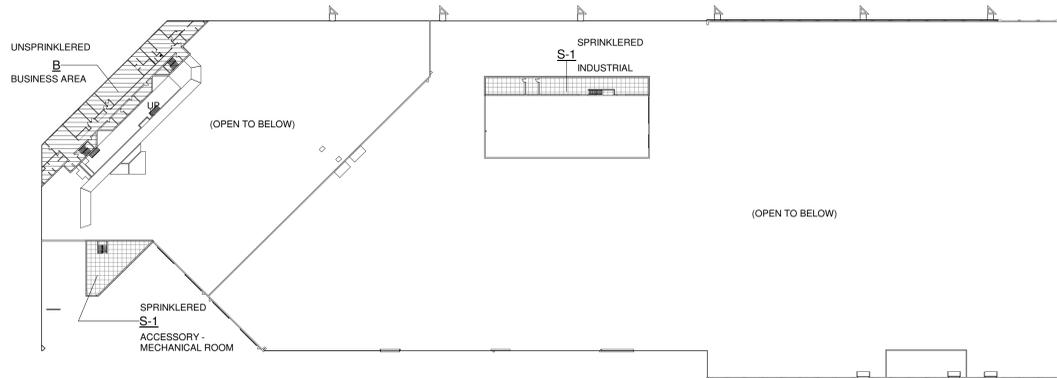
3.4 ADJUSTING

- A. Adjust operating assemblies for smooth and noiseless operation.

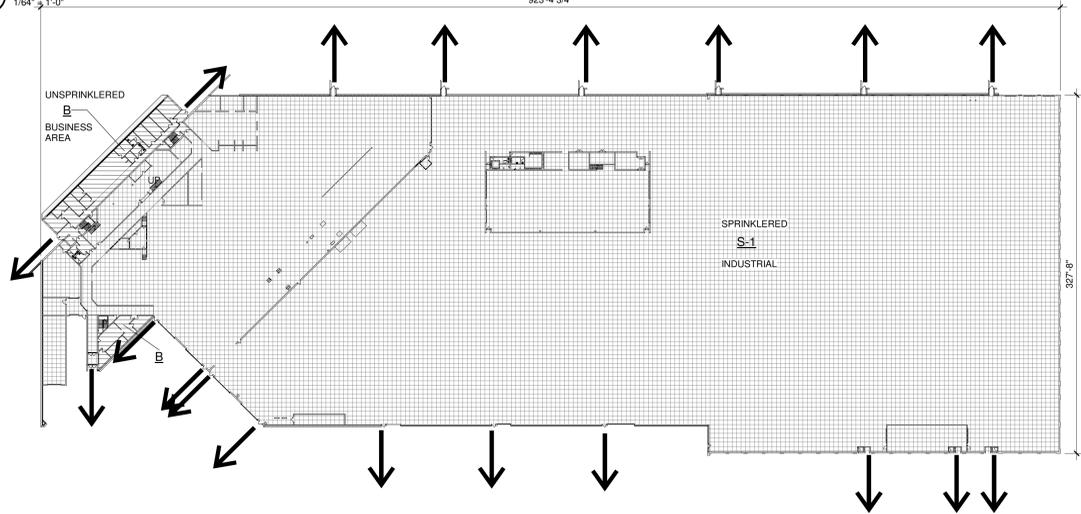
3.5 CLEANING

- A. Clean installed components.
- B. Remove labels and visible markings.

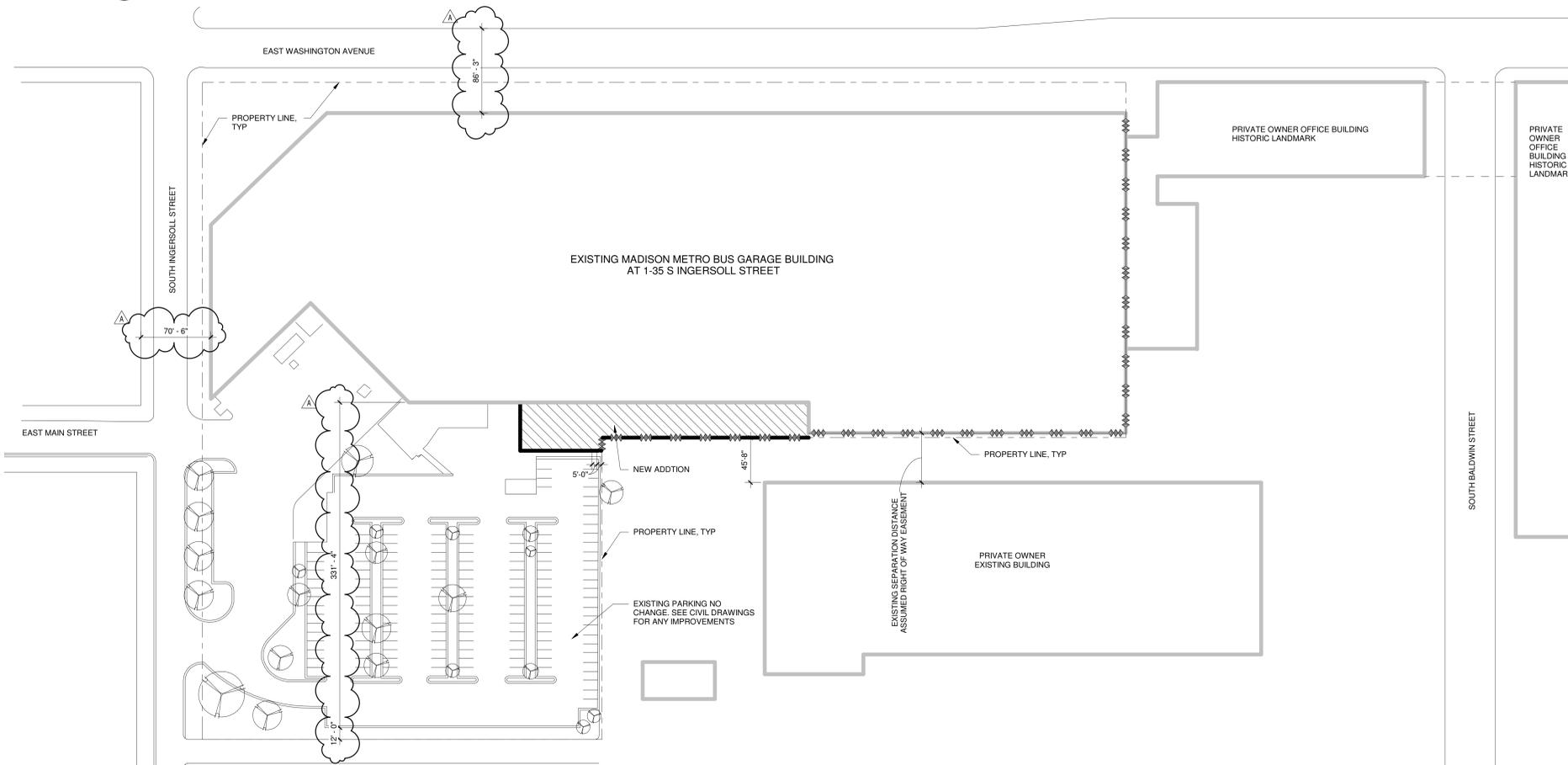
END OF SECTION 08 33 26



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:

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)

Work Area #	Method	Defined Compliance Methods and Classifications of Work:
1	Addition	(IEBC Section 507)
2	Alteration - Level 2	(IEBC Section 504)
3	Alteration - Level 1	(IEBC Section 504)
4	Alteration - Level 1	(IEBC Section 503)
5	Alteration - Level 1	(IEBC Section 504)
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, (IECC 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.

- 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.
- 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.
- THE LIFE SAFETY PLAN ILLUSTRATES THE NEW EGRESS SYSTEM IN THE ADDITIONS.
- REFER TO EACH INDIVIDUAL WORK AREA FOR THE SPECIFIC CODE ANALYSIS FOR THAT AREA.

CODE SITE PLAN NOTES

- ZONING:**
CITY OF MADISON, WISCONSIN ZONING ORDINANCE EFFECTIVE OCTOBER 23, 2018 THROUGH THE CODE OF ORDINANCES MODIFIED 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
- 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'-3" = UNPROTECTED, SPRINKLERED - 15%
- 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
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:	0 hr
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

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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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: Assumed 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 position			
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	
Exterior Room - Pre-engineered booth	Height 75'-0"	Stories 3	Height 9'-6" Stories 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			
Bearing Walls	0 hr		
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 Floor Finish for All Floor Coverings: Class II			
Combustible materials in type IIB construction shall comply with Sections 805.1.1-805.1.3			

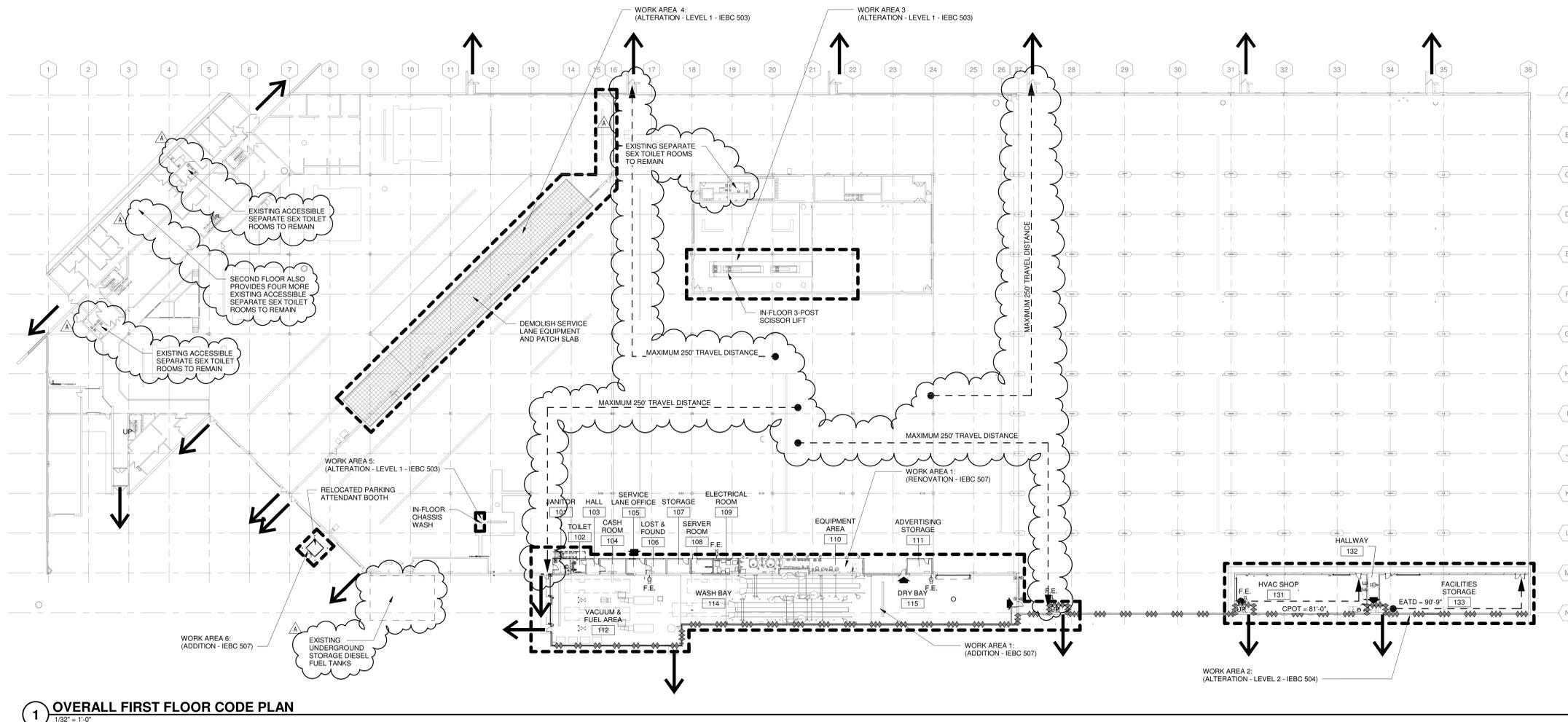
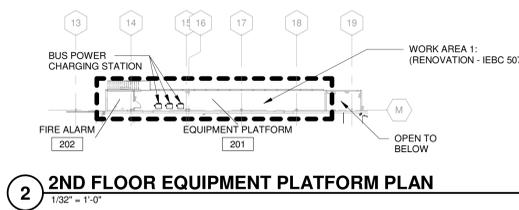
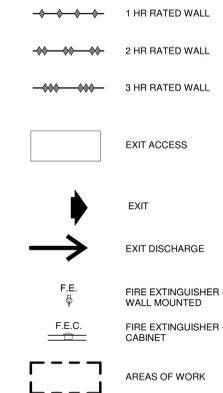
WORK AREA NUMBER 1			
Work Area Occupancy Classification			
IBC Section 311.2: Moderate-hazard Storage, Group S-1			
Fuel/Fluid Types and Quantities do not classify spaces as H - Occupancy			
IBC/IFC Section 406.7: Motor fuel dispensing facility			
IBC/IFC Section 406.8: Repair Garages			
Construction 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	0 hr		
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 ≤ x ft	2 hr		
5 ≤ x 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 exterior 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 75'-0"	Stories 3	Height 20'-0"	Stories 1
Group S-1/ IIB Sprinkled, Addition			
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)			
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			
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.			

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.

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- THE LIFE SAFETY PLAN ILLUSTRATES THE NEW EGRESS SYSTEM IN THE ADDITIONS.
- REFER TO EACH INDIVIDUAL WORK AREA FOR THE SPECIFIC CODE ANALYSIS FOR THAT AREA.

LIFE SAFETY PLAN LEGEND:



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 WISCONSIN

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
RHW NO.: 4503500-170148.02
DATE: January 17, 2019
DESIGNED BY: SZK
DRAWN BY: JPM
CHECKED BY: RCL
DO NOT SCALE DRAWINGS

SHEET CONTENTS
LIFE SAFETY WORK AREA PLANS

SHEET NO.: **G-011**

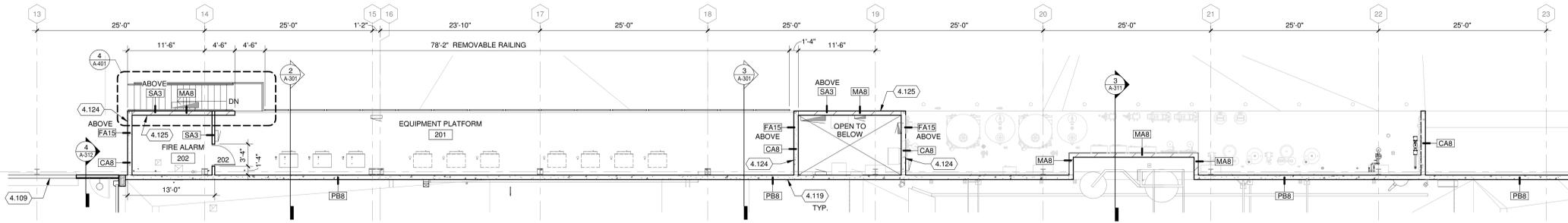
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FLOOR PLAN GENERAL NOTES:

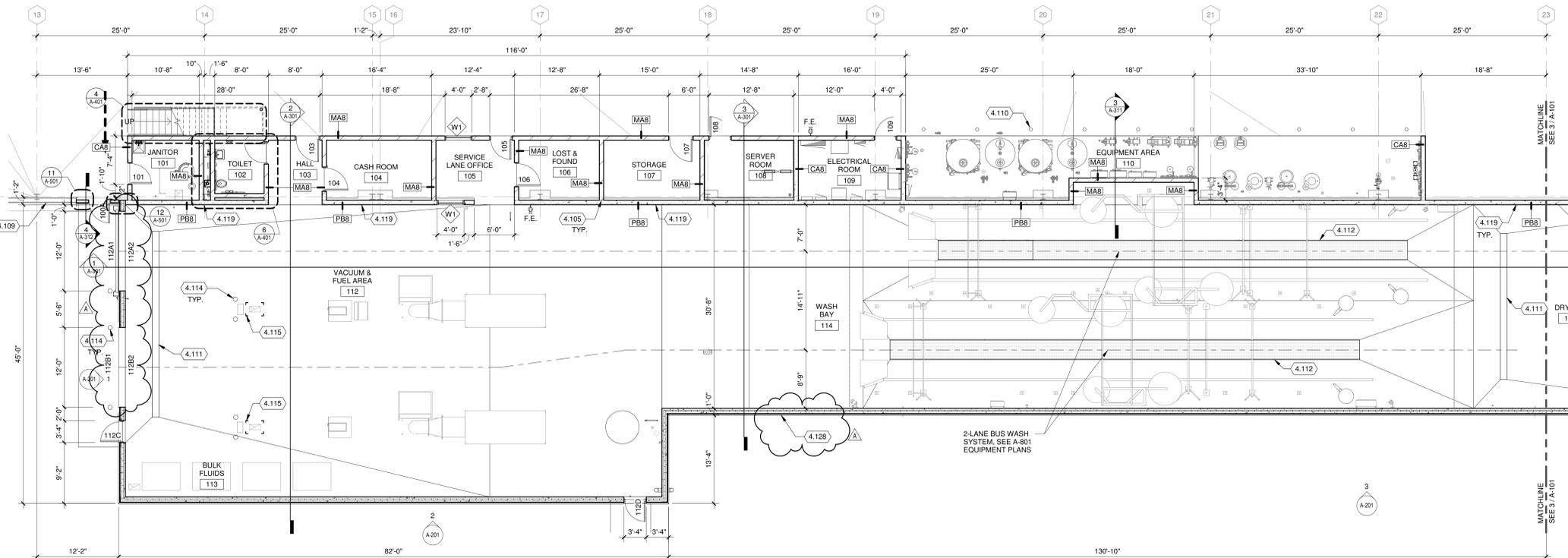
1. SITE DATUM OF FINISHED FIRST FLOOR INDICATED ON SITE PLAN = 100'-0" ON ARCHITECTURAL DRAWINGS.
2. ALL EXTERIOR DIMENSIONS ARE FROM FINISH FACE OF CMU BACKUP, OR PRE-CAST CONCRETE UNLESS NOTED OTHERWISE.
3. ALL INTERIOR DIMENSIONS ARE FROM FINISH FACE OF WALLS (I.E. GYPSUM WALLBOARD OR CMU), UNLESS 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, CEILING, 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 WITHIN THE DETAIL CALLOUT BOUNDARIES.
14. REFERENCE SHEET A-001 FOR INTERIOR PARTITION TYPES. INTERIOR PARTITION TAGS NOTED ENCOMPASS 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. PRECAST MANUFACTURER SHALL PROVIDE FINAL PLANK LAYOUT FOR ARCHITECT REVIEW.

KEYED NOTES

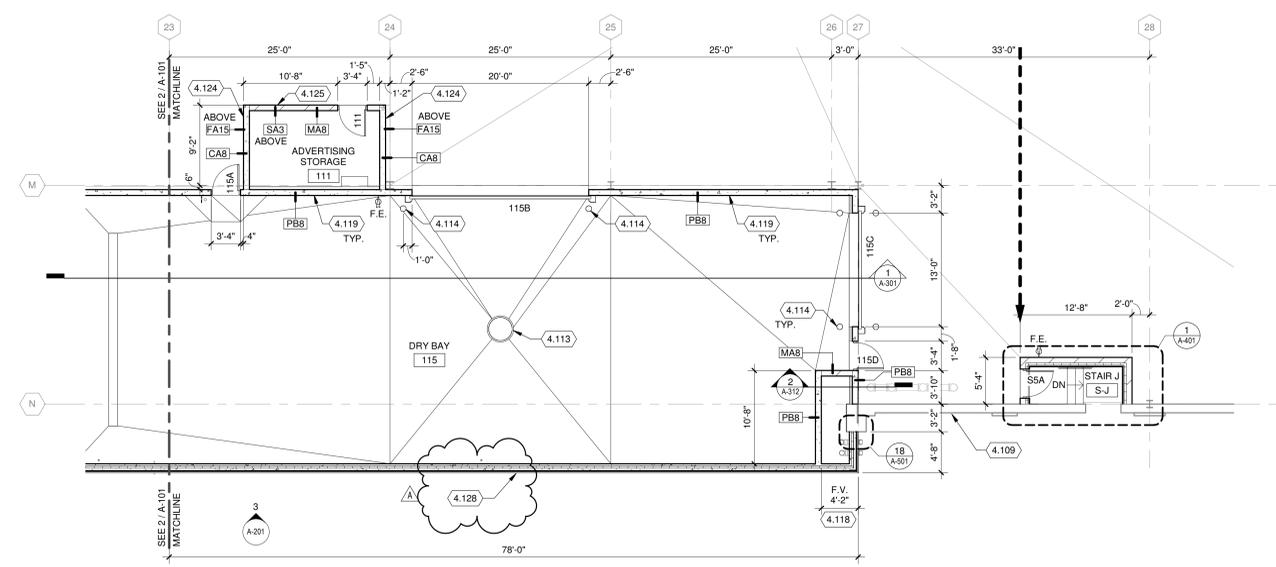
- 4.105 CMU WALL CONNECTION SEE STRUCTURAL DETAIL 14 & 15/S-521. PROVIDE BACKER ROD AND SEALANT BOTH SIDES OF WALL.
- 4.109 EXISTING WALL TO REMAIN
- 4.110 (10) 8" BOLLARDS LOCATED 12" FROM EQUIPMENT CURB AT 8'-0" OC.
- 4.111 TRENCH DRAIN, SEE STRUCTURAL AND PLUMBING DRAWINGS
- 4.112 WASH BAY TRENCH 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.
- 4.128 BUILDING EDGE SHALL NOT EXCEED THE PROPERTY LINE, TYP.



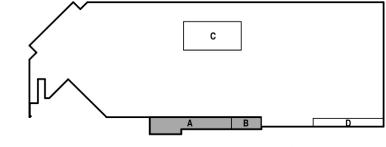
TRUE PLAN NORTH NORTH
1 PARTIAL EQUIPMENT PLATFORM PLAN - AREA A
1/8" = 1'-0"



TRUE PLAN NORTH NORTH
2 PARTIAL FIRST FLOOR PLAN - AREA A
1/8" = 1'-0"



TRUE PLAN NORTH NORTH
3 PARTIAL FIRST FLOOR PLAN - AREA B
1/8" = 1'-0"

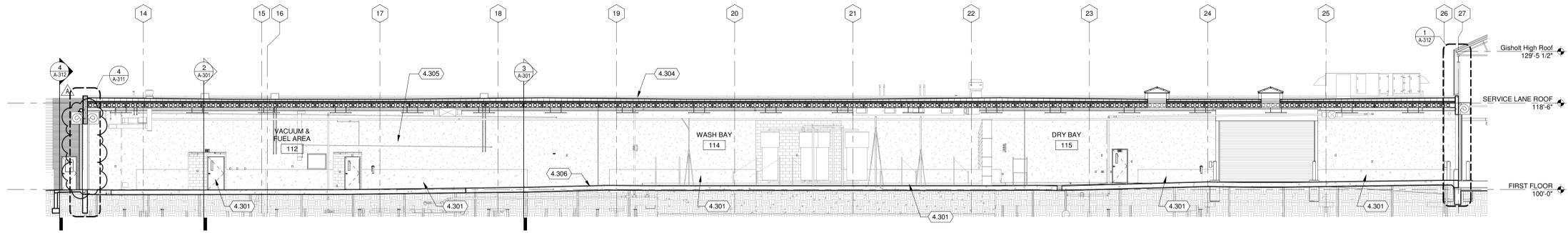




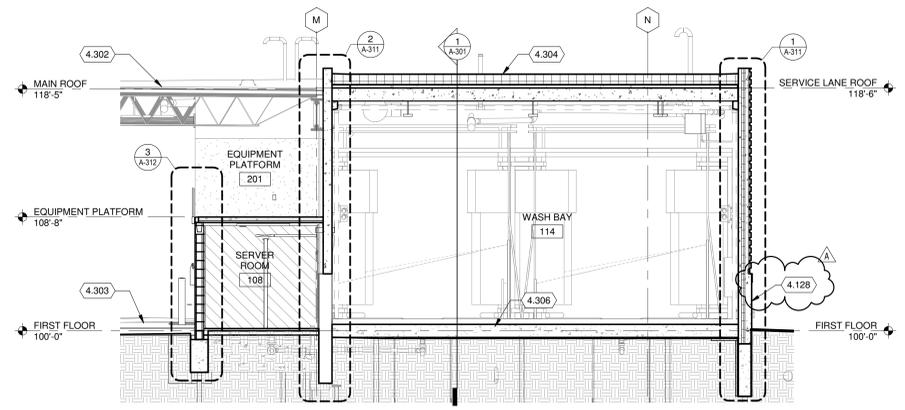
metro transit



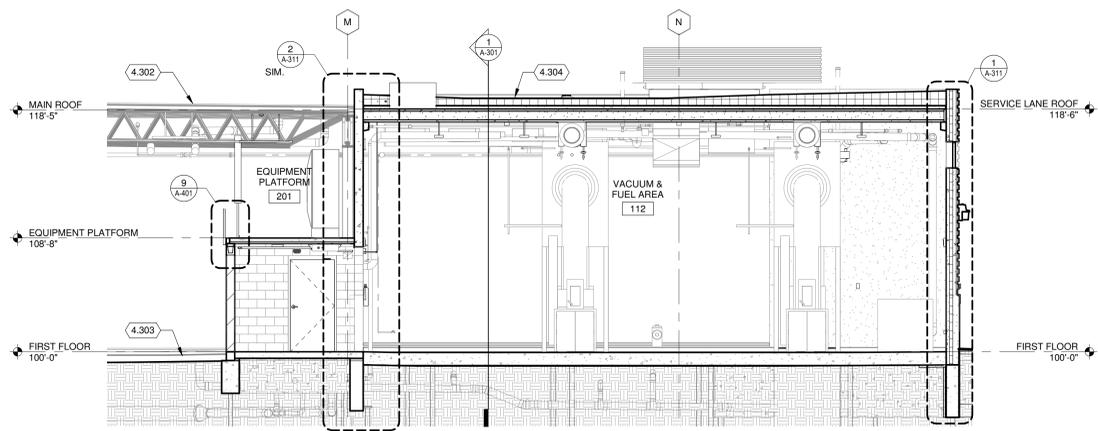
CITY OF MADISON
METRO TRANSIT - SERVICE LANE ADDITION - PHASE 1
1101 EAST WASHINGTON AVE.
MADISON, WI 53703



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



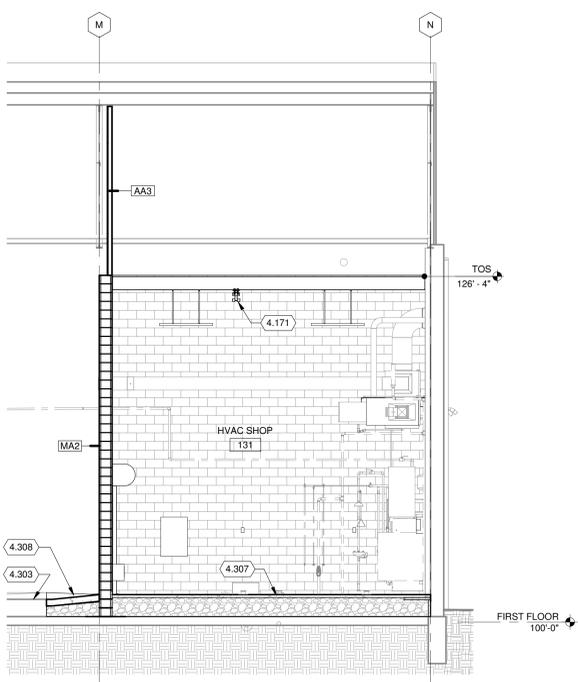
3 TRANSVERSE SECTION AT WASH BAY
3/16" = 1'-0"



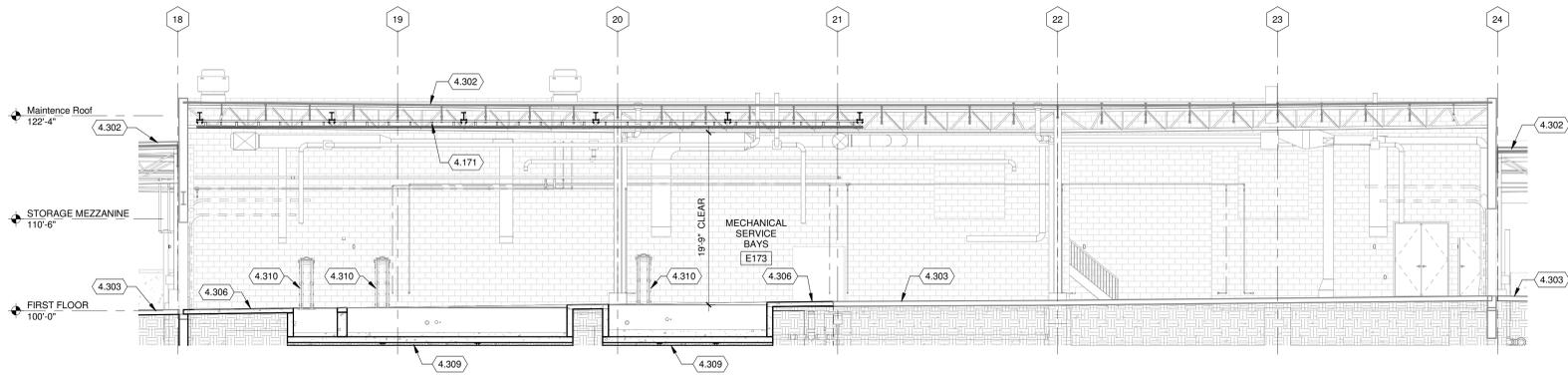
2 TRANSVERSE SECTION AT VACUUM
3/16" = 1'-0"

KEYED NOTES

- 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 MAINTENANCE B SERVICE BAY
1/8" = 1'-0"

2/8/2019 6:45:57 AM C:\Revt\Local\4503500-170148-02-A-Central-2019-1577828.rvt

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

CONTRACT NO.: 8238
RAW 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



metro transit



**CITY OF MADISON
METRO TRANSIT - SERVICE LANE ADDITION - PHASE 1**

1101 EAST WASHINGTON AVE.
MADISON, WI 53703

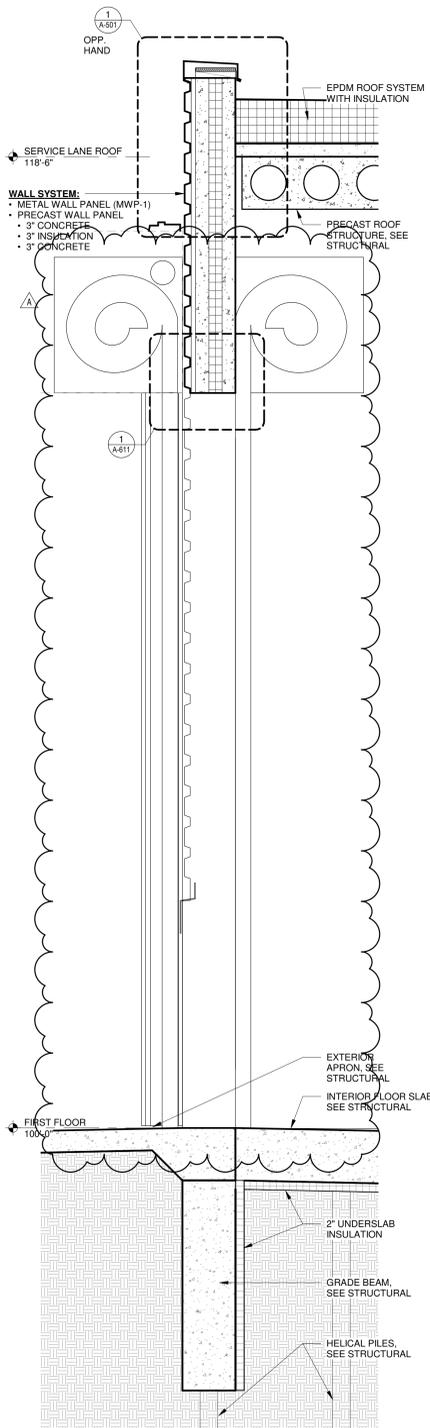
ISSUED
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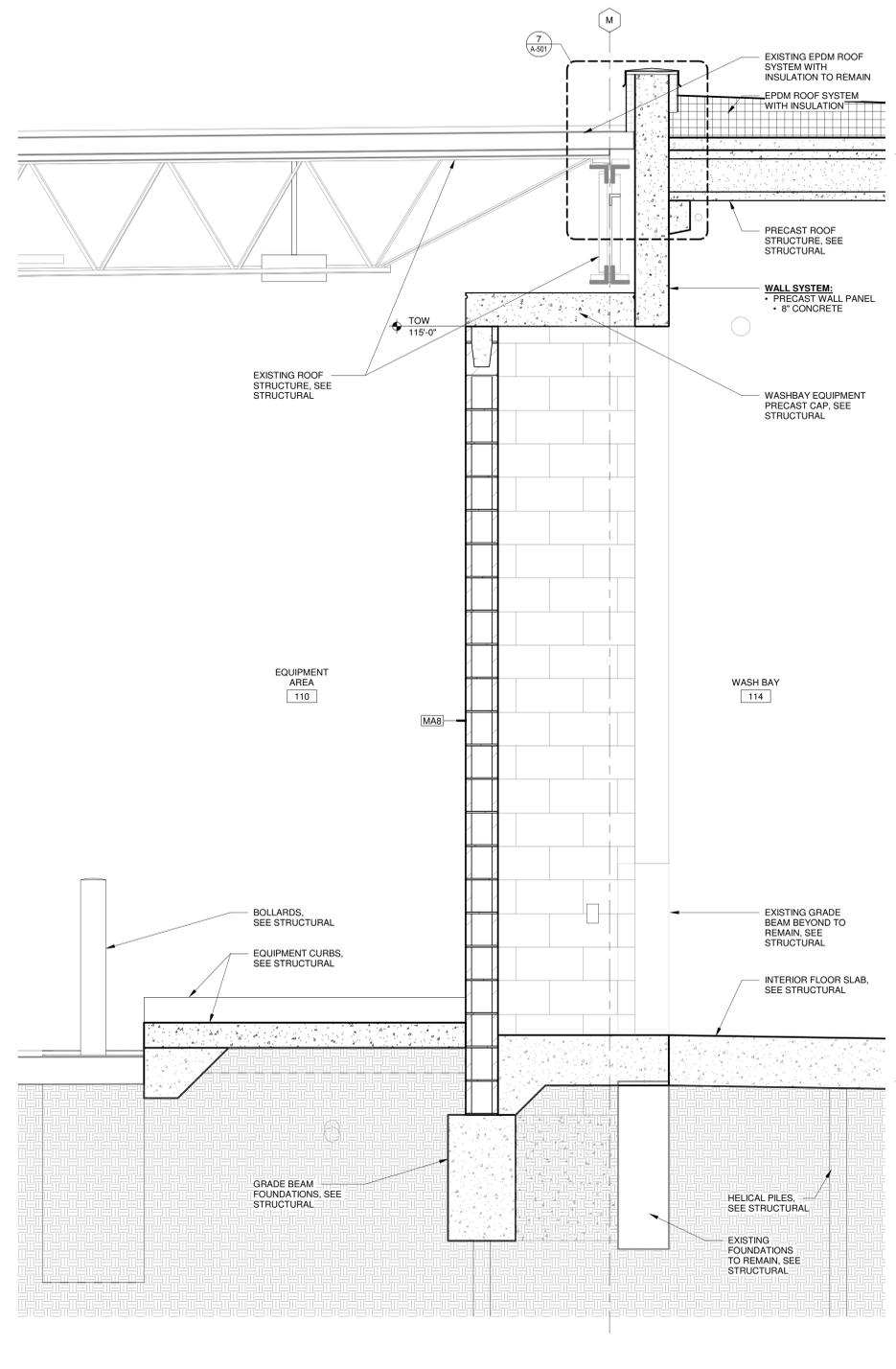
DO NOT SCALE DRAWINGS
SHEET CONTENTS
WALL SECTIONS

SHEET NO.:

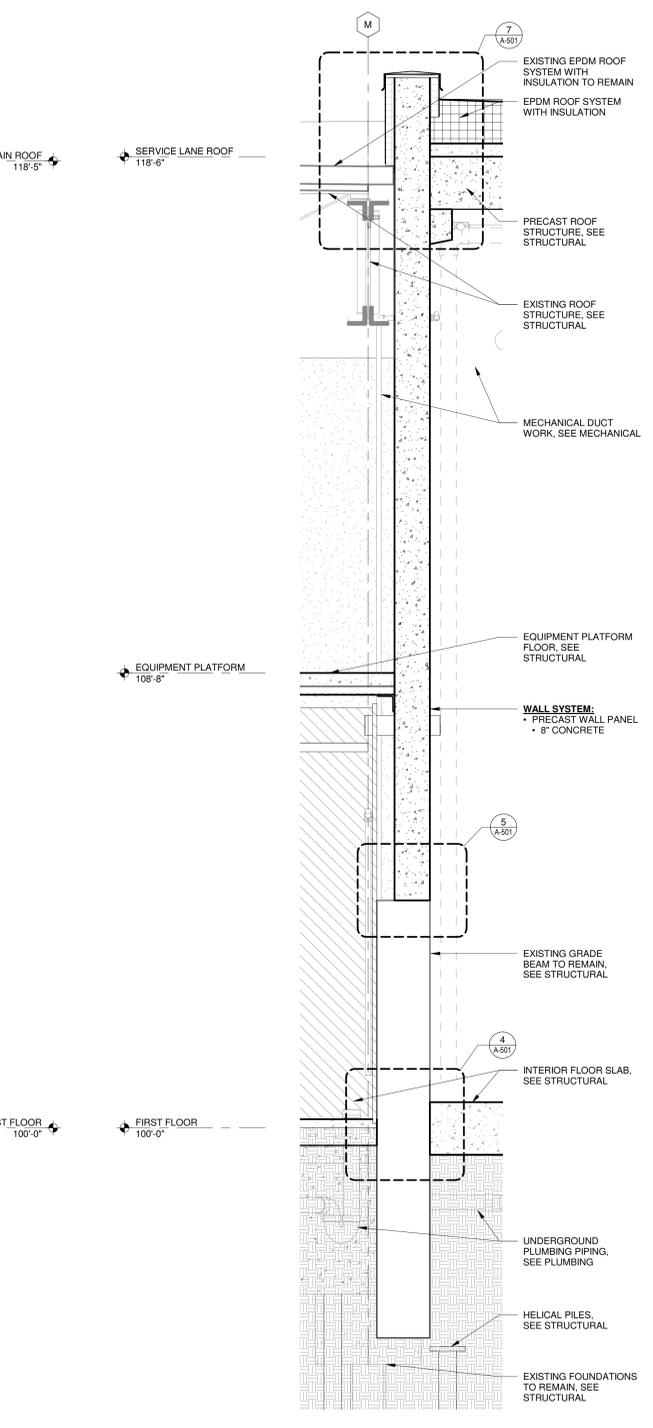
A-311



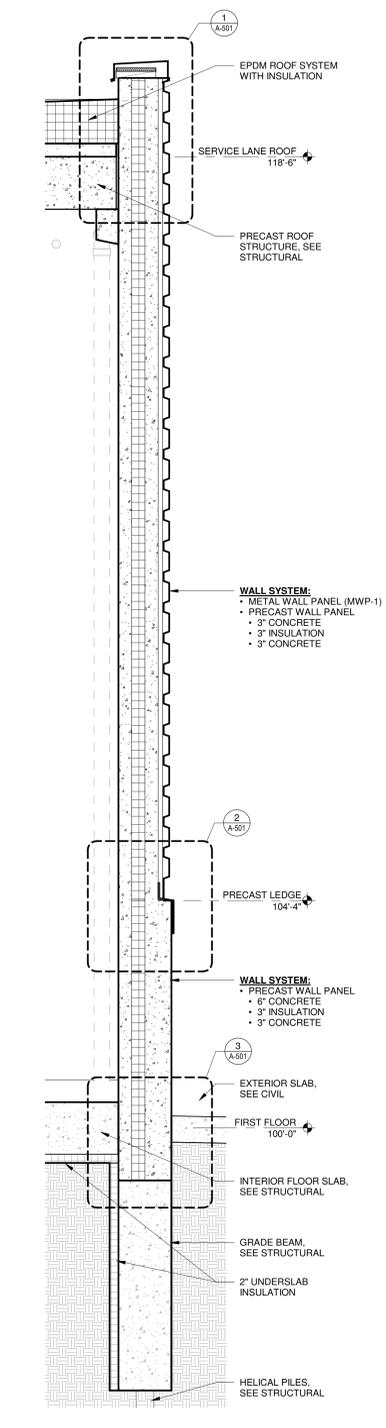
4 WALL SECTION
3/4" = 1'-0"



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



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



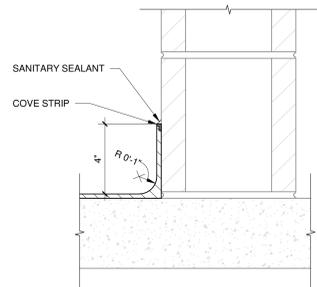
1 WALL SECTION
3/4" = 1'-0"

ARCHITECTURAL FINISHES SCHEDULE							
FINISH NUMBER	FINISH DESCRIPTION	MANUFACTURER	PRODUCT DESCRIPTION			SIZE	REMARKS
			MODEL NUMBER	STYLE	COLOR		
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	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	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	PT-1	EXP/PT-1		2
113	BULK FLUIDS	SC-1	-	PT-1	PT-1	PT-1	PT-1	EXP/PT-1		2
114	WASH BAY	SC-1	-	PT-1	PT-1	PT-1	PT-1	EXP/PT-1		2
115	DRY BAY	SC-1	-	PT-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	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	PFMP		
S-K	STAIR K	SC-1	-	PFMP	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.



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

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 ELEVATIONS FOR MOUNTING HEIGHTS.
15. REFERENCE A-120'S FOR CEILING FINISH COORDINATION.

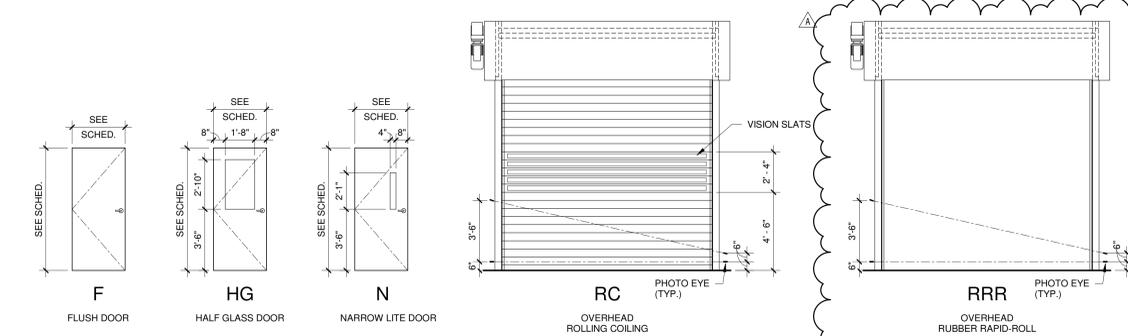
DOOR AND HARDWARE SCHEDULE																
DOOR NUMBER	QTY.	LEAF SIZE			DOOR			FRAME			MISCELLANEOUS			REMARKS		
		WIDTH	HEIGHT	TYPE	MAT'L	GLAZING TYPE	FINISH	TYPE	MAT'L	HEAD	JAMB	FINISH	LABEL		HDWR SET	
100A	(1)	3'-0"	7'-0"	HG	FRP	GL-1	-	F1	AL	10 & 11/A-611	9/A-611	ANN	-	1.0	2	
101	(1)	3'-0"	7'-0"	F	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	-	-	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"	F	HM	-	PT	F2	HM	18/A-611	17/A-611	PT	-	3.0		
112A1	-	12'-0"	14'-0"	RRR	RB	-	-	ST	1/A-611	283/A-611	283/A-611	GAL	-	7.0		
112A2	-	12'-0"	14'-0"	RC	ST	VL	PT	-	ST	1/A-611	283/A-611	GAL	-	7.0		
112B1	-	12'-0"	14'-0"	RRR	RB	-	-	ST	1/A-611	283/A-611	283/A-611	GAL	-	7.0		
112B2	-	12'-0"	14'-0"	RC	RB	VL	PT	-	ST	1/A-611	283/A-611	283/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	1, 2	
112D	(1)	3'-0"	7'-0"	N	FRP	GL-1	-	F1	AL	20/A-611	19/A-611	ANN	-	2.0		
115A	(1)	3'-0"	7'-0"	N	FRP	GL-1	-	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	8/A-611	GAL	-	7.0		
115C	(1)	13'-0"	14'-0"	RRR	RB	-	-	ST	7/A-611	8/A-611	8/A-611	GAL	-	7.0		
115D	(1)	3'-0"	7'-0"	N	FRP	GL-1	-	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	6/A-611	GAL	-	7.0		
131B	-	10'-0"	8'-0"	RRR	RB	-	-	ST	5/A-611	6/A-611	6/A-611	GAL	-	7.0		
131C	(1)	3'-0"	7'-0"	N	FRP	GL-2	-	F2	HM	18/A-611	17/A-611	PT	-	3.0		
132	(1)	3'-0"	7'-0"	E	HM	-	PT	F2	HM	15/A-611	14/A-611	PT	90	1.1		
133A	(1)	3'-0"	7'-0"	N	FRP	GL-2	-	F2	HM	18/A-611	17/A-611	PT	-	3.0		
133B	(1)	14'-0"	14'-0"	RRR	RB	-	-	ST	5/A-611	6/A-611	6/A-611	GAL	-	7.0		
133C	(2)	3'-0"	7'-0"	N	FRP	GL-1	-	F1	AL	18/A-611	17/A-611	PT	-	3.1		
149A	-	40'-0"	13'-0"	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	4	
157	(1)	3'-0"	7'-0"	F	HM	-	PT	F1	HM	18/A-611	17/A-611	PT	-	3.0	5	
202	(1)	3'-0"	7'-0"	F	HM	-	PT	F1	HM	18/A-611	17/A-611	PT	-	3.0	5	
SSA	(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

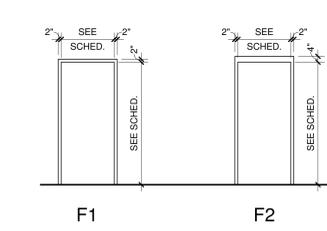
- DOOR/FRAME MATERIALS
 AL = ALUMINUM
 ANN = ANNOZZED
 EX = EXISTING
 FRP = FIBERGLASS REINFORCED PLASTIC
 GAL = GALVANIZED
 HM = HOLLOW METAL
 PFMP = PRE-FINISHED METAL PANEL
 RB = RUBBER
 ST = STEEL

DOOR AND HARDWARE SCHEDULE GENERAL NOTES

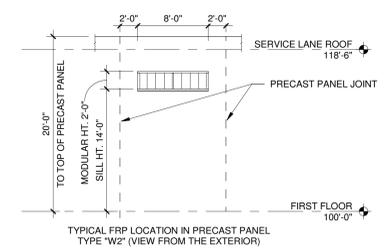
1. DOOR IS NOT REQUIRED TO BE RATED - FALLING WITHIN THE 15% UNPROTECTED, SPRINKLERED CATEGORY PER IBC TABLE 705.8
2. DOOR SHALL BE PREPPED WITH CONDUIT INFRASTRUCTURE FOR FUTURE ACCESS CONTROL SYSTEM. NO WIRING OR ELECTRONIC HARDWARE SHALL BE PROVIDED.
3. NEW HARDWARE ON EXISTING DOOR
4. EXTEND EXISTING 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.



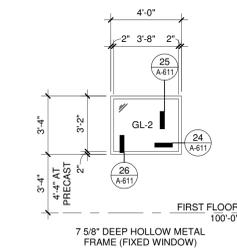
DOOR TYPES
NO SCALE



DOOR FRAME TYPES
NO SCALE

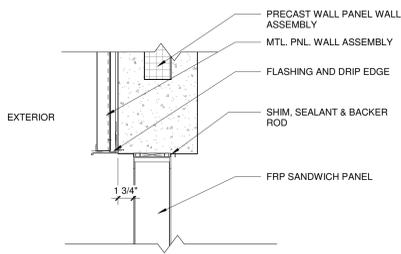


WINDOW TYPE "W2"
1/8" = 1'-0"

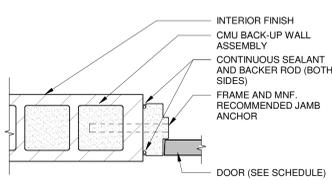


WINDOW TYPE "W1"
1/4" = 1'-0"

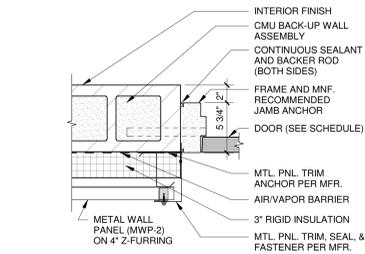
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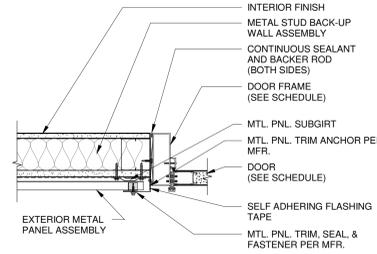
21 PRECAST FRP HEAD DETAIL
1 1/2" = 1'-0"



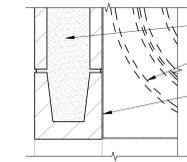
17 INTERIOR DOOR JAMB AT CMU
1 1/2" = 1'-0"



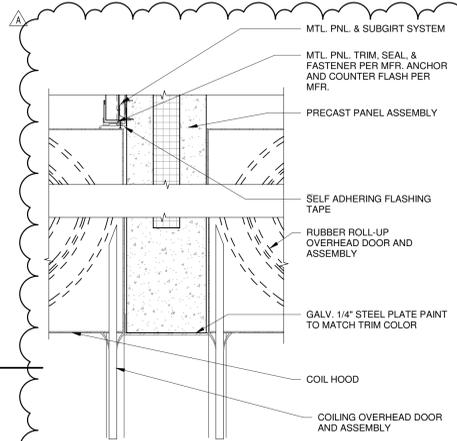
14 EXTERIOR DOOR JAMB AT CMU AND METAL PANEL
1 1/2" = 1'-0"



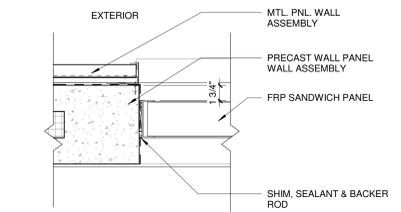
9 EXTERIOR DOOR JAMB AT METAL STUD
1 1/2" = 1'-0"



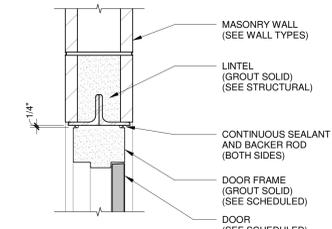
5 ROLL-UP DOOR HEAD AT INTERIOR CMU
1 1/2" = 1'-0"



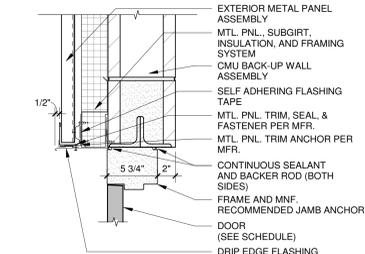
1 ROLL-UP DOOR HEAD AT EXTERIOR METAL PANEL & PRECAST
1 1/2" = 1'-0"



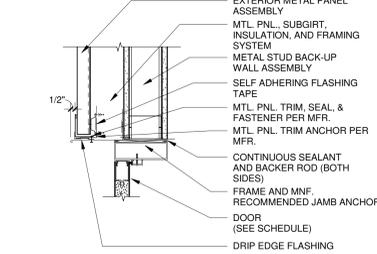
22 PRECAST FRP JAMB DETAIL
1 1/2" = 1'-0"



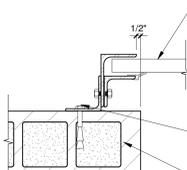
18 INTERIOR DOOR HEAD AT CMU
1 1/2" = 1'-0"



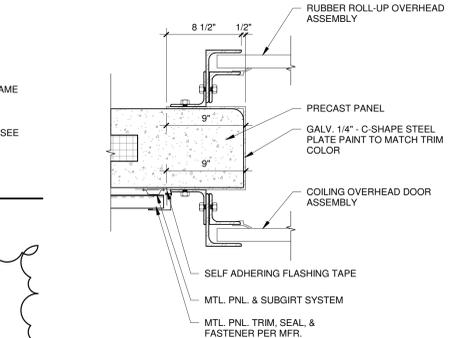
15 EXTERIOR DOOR HEAD AT CMU AND METAL PANEL
1 1/2" = 1'-0"



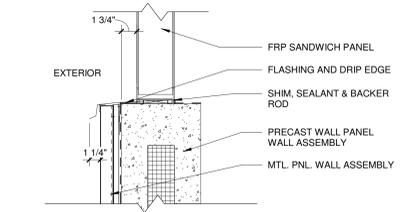
10 EXTERIOR DOOR JAMB AT METAL STUD
1 1/2" = 1'-0"



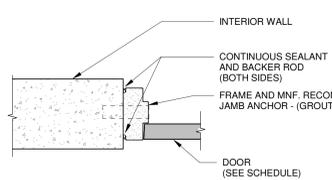
6 ROLL-UP DOOR JAMB AT INTERIOR CMU
1 1/2" = 1'-0"



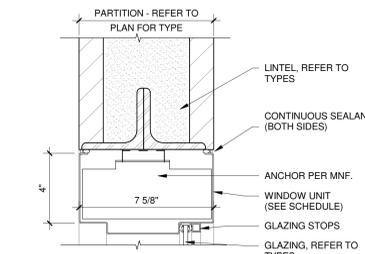
2 ROLL-UP DOOR JAMB EXTERIOR METAL PANEL & PRECAST
1 1/2" = 1'-0"



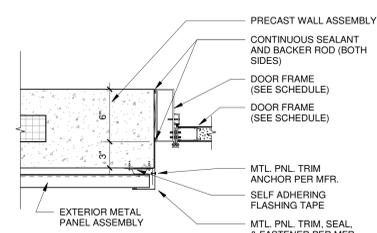
23 PRECAST FRP SILL DETAIL
1 1/2" = 1'-0"



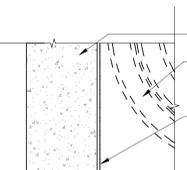
19 INTERIOR DOOR JAMB AT CONCRETE/PRECAST
1 1/2" = 1'-0"



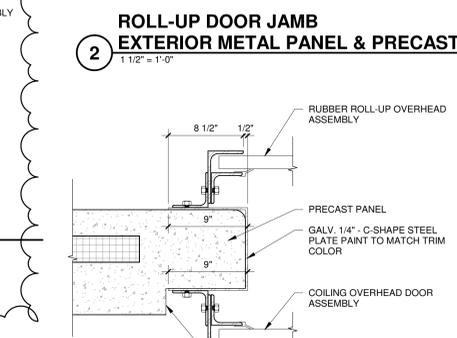
25 INTERIOR HOLLOW METAL WINDOW HEAD DETAIL
3" = 1'-0"



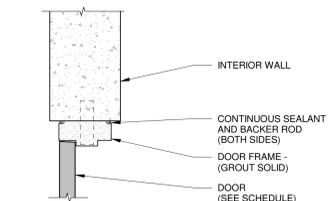
11 EXTERIOR DOOR JAMB AT PRECAST AND METAL PANEL
1 1/2" = 1'-0"



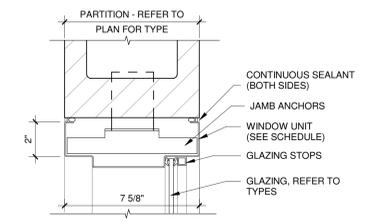
7 ROLL-UP DOOR HEAD AT INTERIOR CONCRETE/PRECAST
1 1/2" = 1'-0"



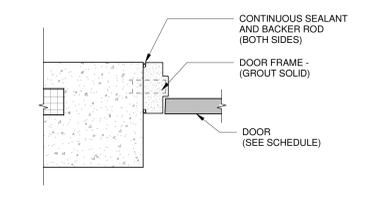
3 ROLL-UP DOOR JAMB AT EXTERIOR PRECAST PANEL BASE
1 1/2" = 1'-0"



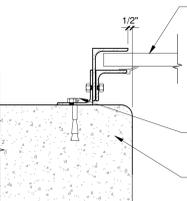
20 INTERIOR DOOR HEAD AT CONCRETE/PRECAST
1 1/2" = 1'-0"



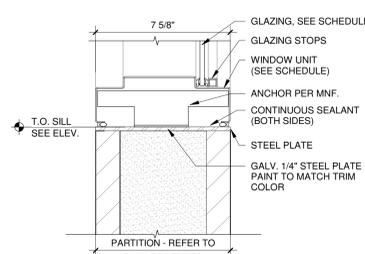
24 INTERIOR HOLLOW METAL WINDOW HEAD DETAIL
3" = 1'-0"



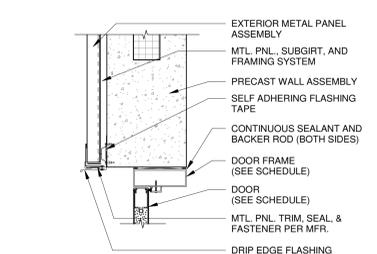
12 EXTERIOR DOOR JAMB AT PRECAST PANEL BASE
1 1/2" = 1'-0"



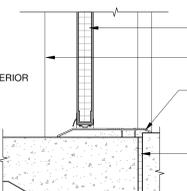
8 ROLL-UP DOOR JAMB AT INTERIOR CONCRETE/PRECAST
1 1/2" = 1'-0"



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"



TRUE PLAN
NORTH NORTH
1 ROOF LOADING PLAN
1" = 10'-0"

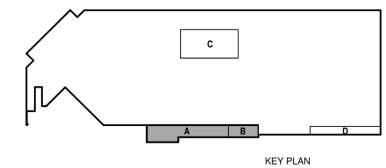
SNOW DRIFT LOADING VARIABLES			
MARK	D1	D2	W1
SD1	101 PSF	21 PSF	18'-0"
SD2	101 PSF	21 PSF	18'-0"
SD3	101 PSF	21 PSF	18'-0"
SD4	101 PSF	101 PSF	4'-3"
SD5	37 PSF	21 PSF	4'-0"
SD6	101 PSF	21 PSF	18'-0"
SD7	101 PSF	101 PSF	17'-3"
SD8	101 PSF	21 PSF	10'-3"
SD9	101 PSF	101 PSF	4'-9"
SD10	37 PSF	21 PSF	4'-0"

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'-0"
SH06	28	9'-8"
SH07	14	9'-8"
SH08	13	9'-8"
SH09	36	10'-8"

- ROOF LOADING PLAN GENERAL NOTES:**
- SITE DATUM OF FINISHED FIRST FLOOR INDICATED ON CIVIL SITE PLAN = ELEVATION 100'-0" ON STRUCTURAL DRAWINGS.
 - FIELD VERIFY ALL DIMENSIONS, BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT/ENGINEER FOR FINAL DECISION.
 - REFER TO SHEET S-001 FOR STRUCTURAL LEGENDS, ABBREVIATIONS, AND SYMBOLOLOGY.
 - REFER TO SHEET S-001 AND S-002 FOR ADDITIONAL LOADS NOT INDICATED ON THIS SHEET.
 - SHEAR LOADS INDICATED ARE STRENGTH LEVEL WIND LOADS. GRAVITY LOADS ARE SERVICE LEVEL.
 - 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.
 - NOT ALL EQUIPMENT LOADS MAY BE CAPTURED ON THIS PLAN, IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL ROOF SUPPORTED EQUIPMENT AND PIPING.
 - 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.
 - WEIGHTS OF EQUIPMENT PROVIDED ARE SELF WEIGHT AND DO NOT INCLUDE HANGERS, CURBS, ETC. VERIFY WEIGHTS WITH EQUIPMENT SUPPLIER AND OTHER TRADES PRIOR TO FABRICATION.
 - 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.



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

CONTRACT NO.: 8238
RFP NO.: 4503500-170148.02
DATE: January 17, 2019
DESIGNED BY: DXC
DRAWN BY: MJE
CHECKED BY: DXC
DO NOT SCALE DRAWINGS

SHEET CONTENTS
ROOF LOADING PLAN

SHEET NO.:

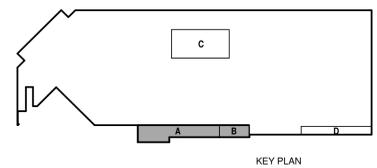
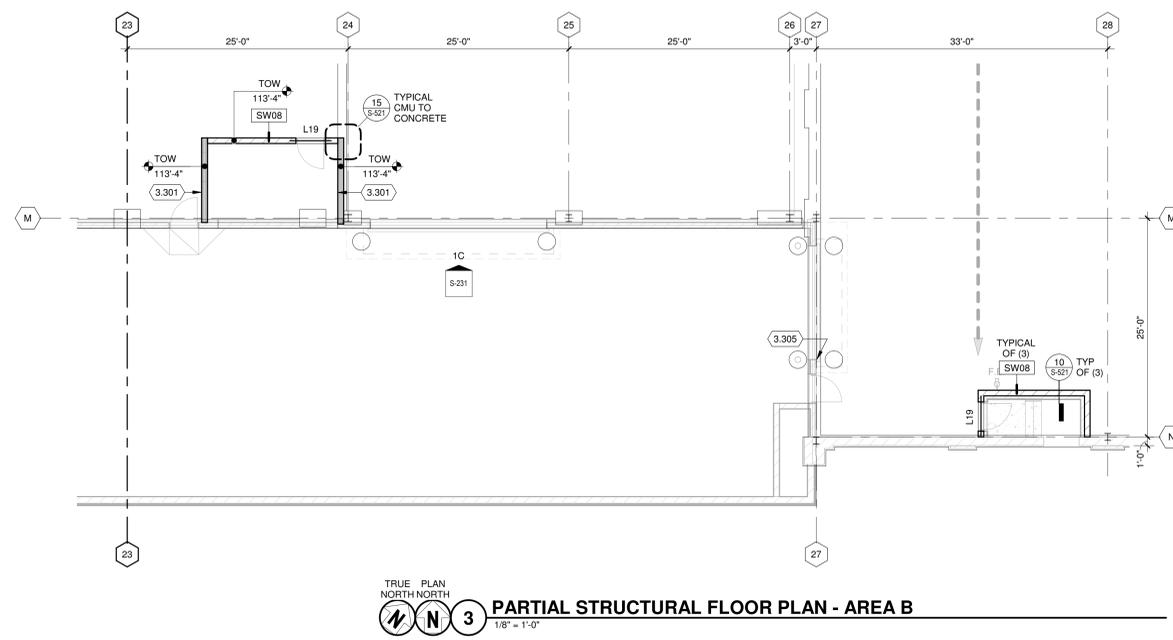
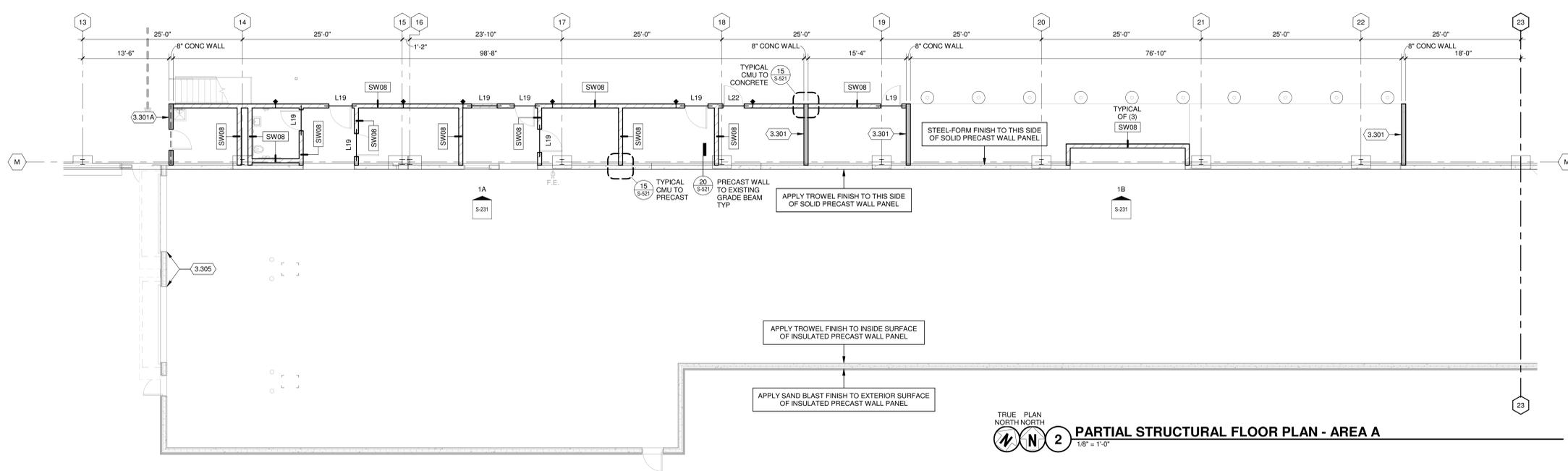
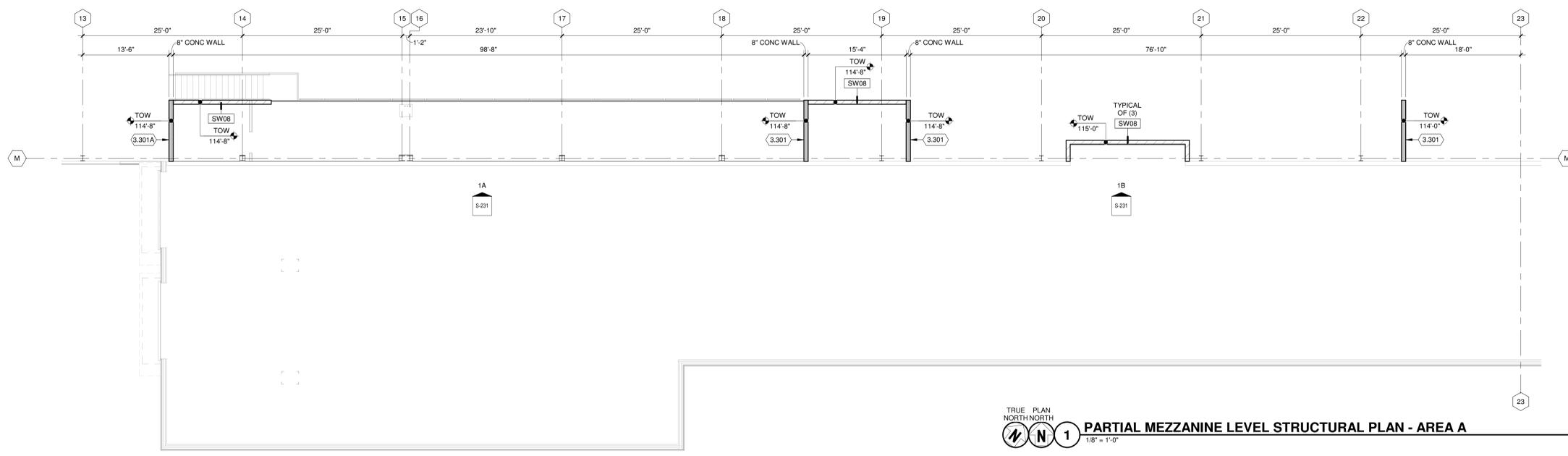
S-010

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 SYMBOLOLOGY.
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

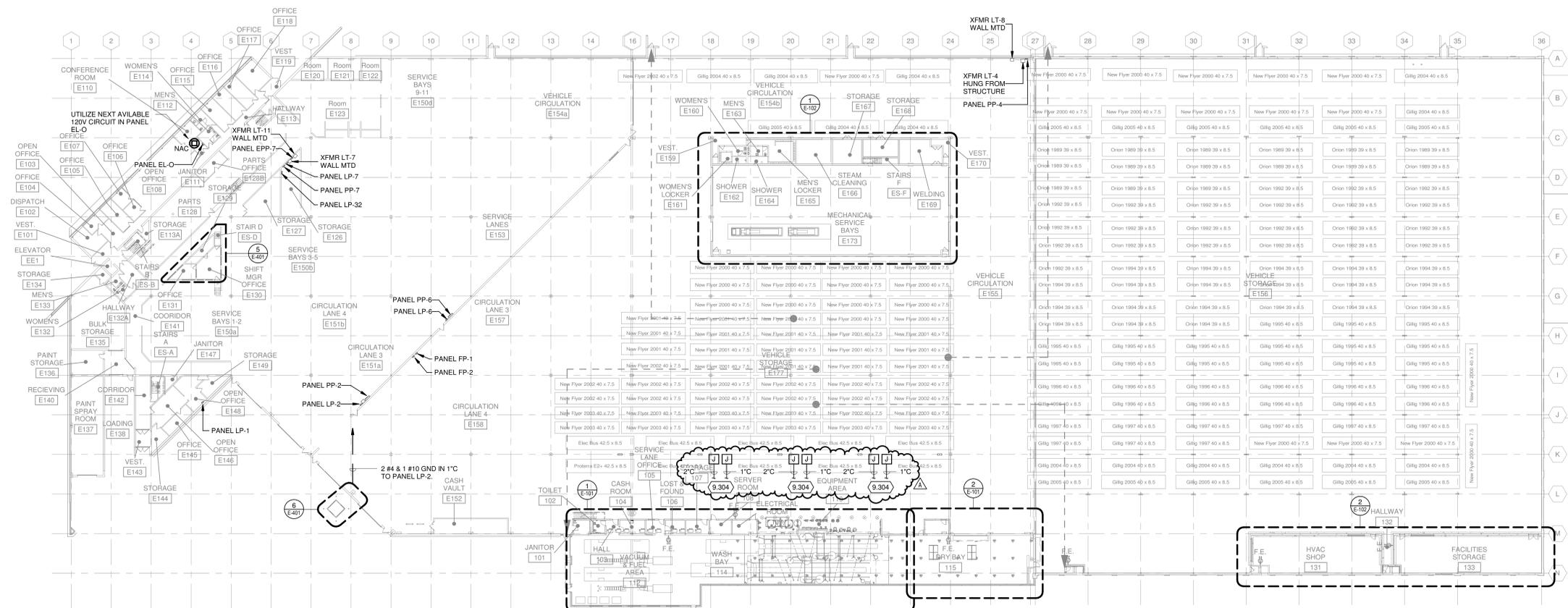
- 3.301 CONCRETE SHEAR WALL. SEE DETAIL 6/S-521.
- 3.301A CONCRETE SHEAR WALL. SEE DETAIL 6/S-521. ADD (2) #5 BARS 3" OVER DOOR OPENING, FULL LENGTH OF WALL.
- 3.305 DESIGN PRECAST FOR LOADS FROM COILING OVERHEAD DOORS. COILING OVERHEAD DOORS ARE REQUIRED ON BOTH SIDES OF WALL. NOTON WALL PER ARCHITECTURE. COORDINATE OVERHEAD DOOR LOADS AND REQUIREMENTS WITH OVERHEAD DOOR SUPPLIER.





**CITY OF MADISON
METRO TRANSIT - SERVICE LANE ADDITION - PHASE 1**

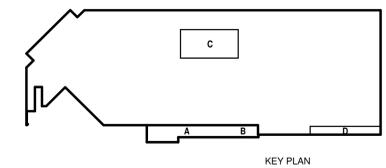
1101 EAST WASHINGTON AVE.
MADISON, WI 53703



TRUE PLAN NORTH 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.

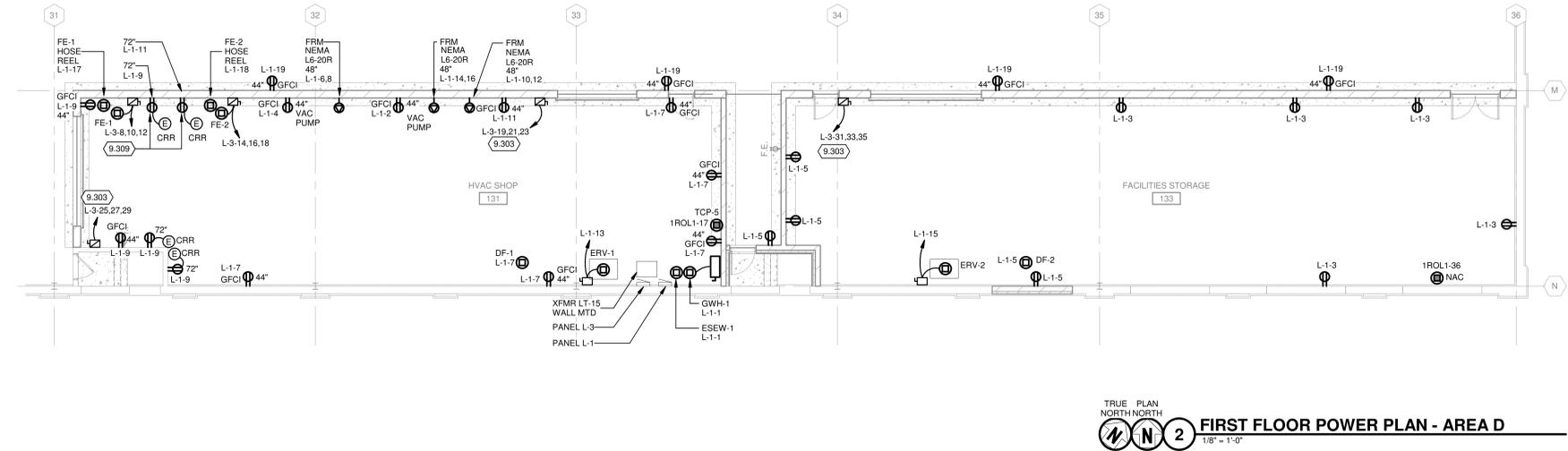
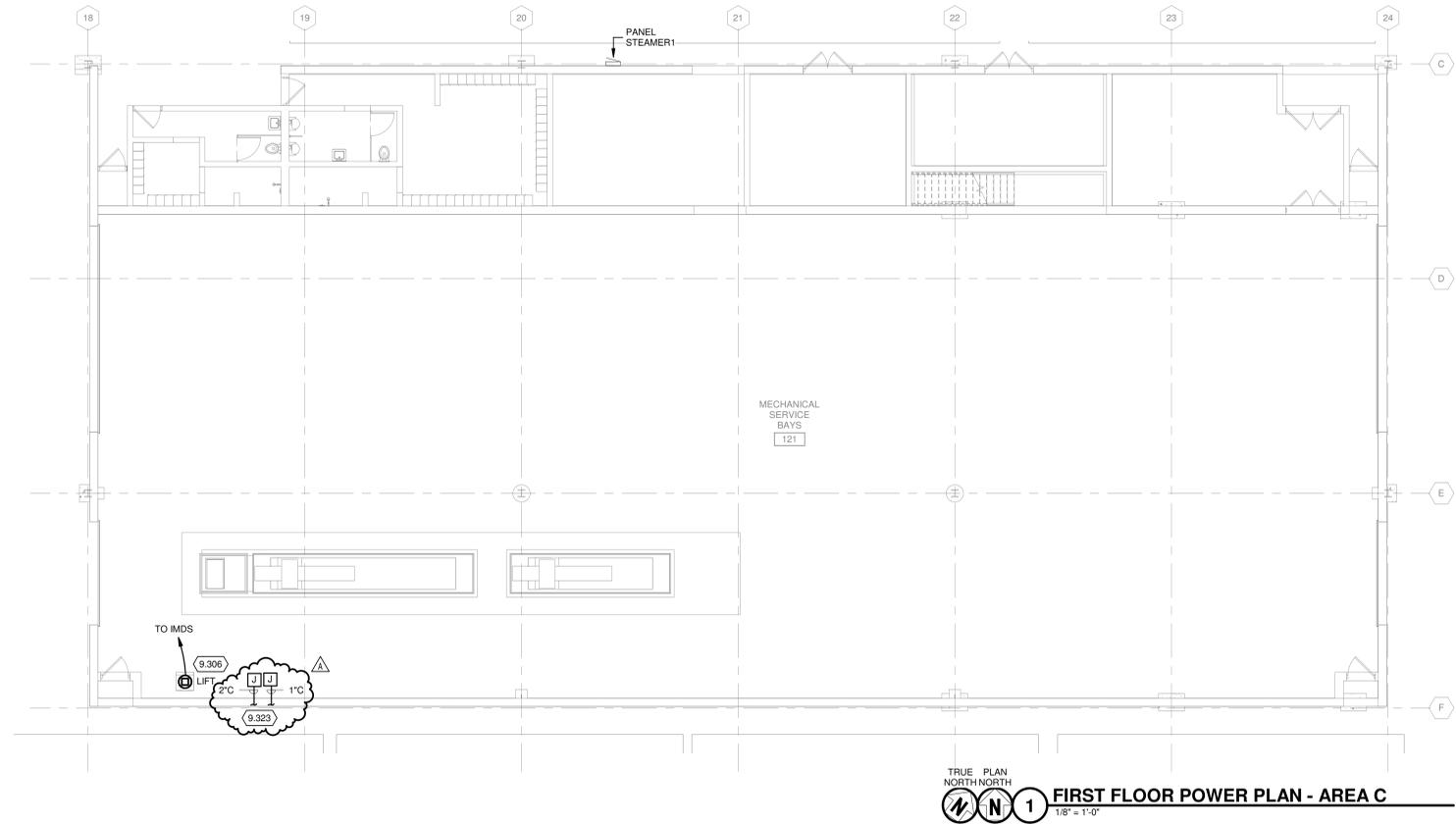


ISSUED
01/17/19 BID SET
A 02/08/19 ADDENDUM 1

CONTRACT NO.: 8238
RHW NO.: 4503500-170148.02
DATE: January 17, 2019
DESIGNED BY: KAF
DRAWN BY: KAF
CHECKED BY: ARG/MAM
DO NOT SCALE DRAWINGS

SHEET CONTENTS
OVERALL FIRST FLOOR POWER PLAN

SHEET NO.:

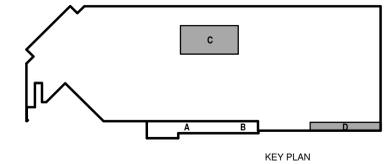


POWER GENERAL NOTES:

- ALL 120V DEVICES TO BE FEED FROM PANEL 1RNL1 UNLESS NOTED OTHERWISE.
- 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\"
- 9.309 COORDINATE LOCATION OF RECEPTACLE WITH OWNER PRIOR TO ROUGH IN.
- 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\"



2/8/2019 10:19:37 AM C:\Revel\Local\4503500-170148.02-E-Central-2018_mark.kallawalle.rvt

SECTION B - PROPOSAL PAGE (ADDENDUM 2)
METRO TRANSIT - SERVICE LANE ADDITION - PHASE 1
CONTRACT NO. 8238

ITEM	DESCRIPTION			TOTAL BASE BID
90000	BASE BID: SERVICE LANE ADDITION	1.00	Lump Sum	

90001	ALTERNATE NO. 1: <i>SEE SPECIFICATION 012300</i> - ALTERNATES. PROVIDE ALL WORK TO INSTALL COMPLETE FIRE ALARM SYSTEM FOR THE ENTIRE FACILITY AS DETAILED ON DRAWING SHEET(S) ED-141, ED-142, ED-143, ED-144, E-140, E-141, E-142, E-143 and E-144 AND SPECIFICATION 284621.11	1.00	Lump Sum	
-------	--	------	----------	--

GRAND TOTAL

UNIT PRICES (UNIT PRICES WILL BE USED SOLELY FOR THE PURPOSE OF DETERMINING THE ADJUSTMENT TO THE BASE BID FOR DIFFERENCES BETWEEN THE ESTIMATED QUANTITIES AND THE ACTUAL QUANTITIES)

ITEM	DESCRIPTION			UNIT PRICE
90002	<i>SEE SPECIFICATION 012200.</i> THE BASE BID ITEM 90000 WILL BE ADJUSTED FOR THE ACTUAL LENGTH OF PILES INSTALLED. THE ESTIMATED QUANTITY IN BASE BID IS 5,715 LF (178 x 30 FT + 15 x 25 FT DEPTH). PROVIDE A UNIT COST FOR ADDITIONS / DEDUCTIONS FROM ALL WORK REQUIRED UNDER THE CONTRACT FOR THE ACTUAL INSTALLED QUANTITY ABOVE OR BELOW THE ESTIMATED QUANTITY OF 5,715 LF.	5	LF	
90003	<i>SEE SPECIFICATION 012200.</i> THE BASE BID ITEM 90000 WILL BE ADJUSTED FOR THE ACTUAL UNSUITABLE SOIL REMOVED. THE ESTIMATED QUANTITY IN BASE BID IS 3550 TONS. PROVIDE A UNIT COST FOR ADDITIONS / DEDUCTIONS FROM ALL WORK REQUIRED UNDER THE CONTRACT FOR THE ACTUAL REMOVED QUANTITY ABOVE OR BELOW THE ESTIMATED QUANTITY OF 3550 TONS.	1	TONS	
90004	<i>SEE SPECIFICATION 012200.</i> THE BASE BID ITEM 90000 WILL BE ADJUSTED FOR THE ACTUAL BACKFILL OF OVER-EXCAVATED AREAS PROVIDED. BACKFILL SHALL CONSIST OF DRAINAGE COURSE. THE ESTIMATED QUANTITY IN BASE BID IS 3550 TONS. PROVIDE A UNIT COST FOR ADDITIONS / DEDUCTIONS FROM ALL WORK REQUIRED UNDER THE CONTRACT FOR THE ACTUAL INSTALLED QUANTITY ABOVE OR BELOW THE ESTIMATED QUANTITY OF 3550 TONS.	1	TONS	
90005	<i>SEE KEY NOTE 3.002 / S-101.</i> THE BASE BID ITEM 90000 WILL BE ADJUSTED FOR THE ACTUAL QUANTITY OF BURIED FOUNDATION REMOVED. THE ESTIMATED QUANTITY IN BASE BID IS 100 CY. PROVIDE A UNIT COST FOR ADDITIONS / DEDUCTIONS FROM ALL WORK REQUIRED UNDER THE CONTRACT FOR THE ACTUAL REMOVED QUANTITY ABOVE OR BELOW THE ESTIMATED QUANTITY OF 100 CY.	1	CY	

NOTE: The bidder must completely fill in the base bid and the alternate. After the initial bid advertisement and prior to bid opening the City will establish a Construction Budget Dollar Value. If any responsible bidder submits a base bid plus alternate one (1) that is below the Construction Budget Dollar Value, the City will award the contract based on the base bid plus alternate one (1). If no responsible bidder submits a base bid plus alternate one (1) that is below the Construction Budget Dollar Value, the City will award the contract based on the base bid only. The City shall have the right to proceed or not proceed with alternate one (1) regardless of how the bid was awarded. The City shall have the right to reject all bids regardless of the value of the bids submitted.

FIRM NAME

BIDDER'S PRINTED NAME

DATE

BIDDER'S SIGNATURE



Department of Public Works

Engineering Division

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

City-County Building, Room 115
210 Martin Luther King, Jr. Boulevard
Madison, Wisconsin 53703
Phone: (608) 266-4751
Fax: (608) 264-9275
engineering@cityofmadison.com
www.cityofmadison.com/engineering

Deputy City Engineer

Gregory T. Fries, P.E.

Deputy Division Manager

Kathleen M. Cryan

Principal Engineer 2

Christopher J. Petykowski, P.E.

John S. Fahrney, P.E.

Principal Engineer 1

Christina M. Bachmann, P.E.

Mark D. Moder, P.E.

Janet Schmidt, P.E.

Facilities & Sustainability

Jeanne E. Hoffman, Manager

Bryan Cooper, Principal Architect

Mapping Section Manager

Eric T. Pederson, P.S.

Financial Manager

Steven B. Danner-Rivers

February 26, 2019

NOTICE OF ADDENDUM

ADDENDUM NO. 3

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:

- **A drawing sheet that was referenced in Addendum 2, but not attached to Addendum 2.**

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

1. **GENERAL CONTRACT CONDITIONS**

No Changes

2. **GENERAL QUESTIONS AND ANSWERS**

No Changes

3. **ACCEPTABLE EQUIVALENTS**

No Changes

4. **SPECIFICATIONS**

No Changes

5. **DRAWINGS**

A. **Mechanical**

- i. Drawing M-102 was referenced in Addendum 2, but not attached

6. **PROPOSAL SPECIFICATIONS**

No Changes



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,

A handwritten signature in black ink, appearing to read "R. Phillips", followed by a horizontal line.

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

Handwritten initials in black ink, possibly "CR".

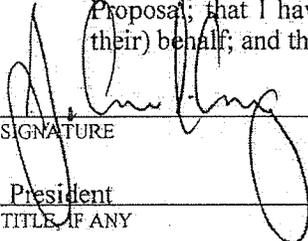
SECTION E: BIDDERS ACKNOWLEDGEMENT

CONTRACT TITLE

CONTRACT NO. 8238

Bidder must state a Unit Price and Total Bid for each item. The Total Bid for each item must be the product of quantity, by Unit Price. The Grand Total must be the sum of the Total Bids for the various items. In case of multiplication errors or addition errors, the Grand Total with corrected multiplication and/or addition shall determine the Grand Total bid for each contract. The Unit Price and Total Bid must be entered numerically in the spaces provided. All words and numbers shall be written in ink.

1. The undersigned having familiarized himself/herself with the Contract documents, including Advertisement for Bids, Instructions to Bidders, Form of Proposal, City of Madison Standard Specifications for Public Works Construction - 2018 Edition thereto, Form of Agreement, Form of Bond, and Addenda issued and attached to the plans and specifications on file in the office of the City Engineer, hereby proposes to provide and furnish all the labor, materials, tools, and expendable equipment necessary to perform and complete in a workmanlike manner the specified construction on this project for the City of Madison; all in accordance with the plans and specifications as prepared by the City Engineer, including Addenda to the Contract Nos. 1 through 3 issued thereto, at the prices for said work as contained in this proposal. (Electronic bids submittals shall acknowledge addendum under Section E and shall not acknowledge here)
2. If awarded the Contract, we will initiate action within seven (7) days after notification or in accordance with the date specified in the contract to begin work and will proceed with diligence to bring the project to full completion within the number of work days allowed in the Contract or by the calendar date stated in the Contract.
3. The undersigned Bidder or Contractor certifies that he/she is not a party to any contract, combination in form of trust or otherwise, or conspiracy in restraint of trade or commerce or any other violation of the anti-trust laws of the State of Wisconsin or of the United States, with respect to this bid or contract or otherwise.
4. I hereby certify that I have met the Bid Bond Requirements as specified in Section 102.5. (IF BID BOND IS USED, IT SHALL BE SUBMITTED ON THE FORMS PROVIDED BY THE CITY. FAILURE TO DO SO MAY RESULT IN REJECTION OF THE BID).
5. I hereby certify that all statements herein are made on behalf of Kenneth F. Sullivan, Co. (name of corporation, partnership, or person submitting bid) a corporation organized and existing under the laws of the State of Wisconsin a partnership consisting of N/A; an individual trading as N/A; of the City of Madison State of Wisconsin; that I have examined and carefully prepared this Proposal, from the plans and specifications and have checked the same in detail before submitting this Proposal; that I have fully authority to make such statements and submit this Proposal in (its, their) behalf; and that the said statements are true and correct.



 SIGNATURE

 President

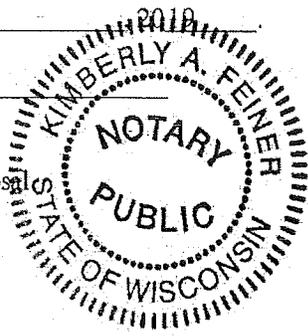
 TITLE, IF ANY

Sworn and subscribed to before me this 28 day of February

Kimberly A. Feiner

 (Notary Public or other officer authorized to administer oaths)
 My Commission Expires 8/28/20

Bidders shall not add any conditions or qualifying statements to this Proposal



Contract 8238 – Kenneth F. Sullivan Co., Inc.

Section F: Best Value Contracting (BVC)

This section is a required document for the bid to be considered complete. There are two methods for completing the Best Value Contracting (BVC) form. Method one: The form can be filled out online and submitted to this site to be included with your electronic bid. Method two: The form can be downloaded from the site and submitted by hand to the City of Madison.

Method of Submittal for BVC (click in box below to choose) *

I will submit Bid Express fillable online form (BVC).

Best Value Contracting

1. The Contractor shall indicate the non-apprenticeable trades used on this contract.
none

2. Madison General Ordinance (M.G.O.), 33.07(7), does provide for some exemptions from the active apprentice requirement. Apprenticeable trades are those trades considered apprenticeable by the State of Wisconsin. Please check applicable box if you are seeking an exemption.

- Contractor has a total skilled workforce of four or less individuals in all apprenticeable trades combined.
- No available trade training program; The Contractor has been rejected by the only available trade training program, or there is no trade training program within 90 miles.
- Contractor is not using an apprentice due to having a journey worker on layoff status, provided the journey worker was employed by the contractor in the past six months.
- First time contractor on City of Madison Public Works contract requests a onetime exemption but intends to comply on all future contracts and is taking steps typical of a "good faith" effort.
- Contractor has been in business less than one year.
- Contractor doesn't have enough journeyman trade workers to qualify for a trade training program in that respective trade.
- An exemption is granted in accordance with a time period of a "Documented Depression" as defined by the State of Wisconsin.

3. The Contractor shall indicate on the following section which apprenticeable trades are to be used on this contract. Compliance with active apprenticeship, to the extent required by M.G.O. 33.07(7), shall be satisfied by documentation from an applicable trade training body; an apprenticeship contract with the Wisconsin Department of Workforce Development or a similar agency in another state; or the U.S Department of Labor. This documentation is required prior to the Contractor beginning work on the project site.

- The Contractor has reviewed the list and shall not use any apprenticeable trades on this project.

LIST APPRENTICABLE TRADES (check all that apply to your work to be performed on this contract)

- BRICKLAYER
- CARPENTER
- CEMENT MASON / CONCRETE FINISHER
- CEMENT MASON (HEAVY HIGHWAY)
- CONSTRUCTION CRAFT LABORER
- DATA COMMUNICATION INSTALLER
- ELECTRICIAN
- ENVIRONMENTAL SYSTEMS TECHNICIAN / HVAC SERVICE TECH/HVAC INSTALL / SERVICE
- GLAZIER
- HEAVY EQUIPMENT OPERATOR / OPERATING ENGINEER
- INSULATION WORKER (HEAT & FROST)
- IRON WORKER
- IRON WORKER (ASSEMBLER, METAL BLDGS)
- PAINTER & DECORATOR
- PLASTERER
- PLUMBER
- RESIDENTIAL ELECTRICIAN
- ROOFER & WATER PROOFER
- SHEET METAL WORKER
- SPRINKLER FITTER
- STEAMFITTER
- STEAMFITTER (REFRIGERATION)
- STEAMFITTER (SERVICE)
- TAPER & FINISHER
- TELECOMMUNICATIONS (VOICE, DATA & VIDEO) INSTALLER-TECHNICIAN
- TILE SETTER

CONTRACT NO.

Small Business Enterprise Compliance Report

This information may be submitted electronically through Bid Express or submitted with bid in sealed envelope.

Cover Sheet

Prime Bidder Information

Company:	Kenneth F. Sullivan, Co.
Address:	1314 Emil Street Madison, WI 53713
Telephone Number:	(608) 257-2289
Fax Number:	(608) 257-2906
Contact Person/Title:	Jeremy Vaske/ Pre-Construction Manager / Sr. Estimator

Prime Bidder Certification

Name:	John Riley
Title:	President
Company:	Kenneth F. Sullivan, Co.

I certify that the information contained in this SBE Compliance Report is true and correct to the best of my knowledge and belief.

Kimberly A. Seiner
Witness' Signature
2/28/19
Date

John Riley
Bidder's Signature

METRO TRANSIT - SERVICE LANE ADDITION - PHASE 1

CONTRACT NO. 8238
 DATE: 2/28/19

Kenneth F. Sullivan Co.

Item	Quantity	Price	Extension
Section B: Proposal Page			
90000 - SERVICE LANE ADDITION - Lump Sum	1.00	\$6,768,000.00	\$6,768,000.00
Section B: Proposal Page - Alternate No. 1			
90001 - ALTERNATE NO. 1: SEE SPECIFICATION 012300 - ALTERNATES. PROVIDE ALL WORK TO INSTALL COMPLETE FIRE ALARM SYSTEM FOR THE ENTIRE FACILITY AS DETAILED ON DRAWING SHEET(S) ED-141, ED-142, ED-143, ED-144, E-140, E-141, E-142, E-143 and E-144 AND - LUMP SUM	1.00	\$287,600.00	\$287,600.00
Section B: Proposal Page - Informational Pricing			
90002 - SEE SPECIFICATION 012200. THE BASE BID ITEM 90000 WILL BE ADJUSTED FOR THE ACTUAL LENGTH OF PILES INSTALLED. THE ESTIMATED QUANTITY IN BASE BID IS 5,715 LF (178 x 30 FT + 15 x 25 FT DEPTH). PROVIDE A UNIT COST FOR ADDITIONS / DEDUCTIONS FROM ALL WORK REQUIRED UNDER THE CONTRACT FOR THE ACTUAL INSTALLED QUANTITY ABOVE OR BELOW THE ESTIMATED QUANTITY OF 5,715 LF. - LF	5.00	\$170.00	\$850.00
90003 - SEE SPECIFICATION 012200. THE BASE BID ITEM 90000 WILL BE ADJUSTED FOR THE ACTUAL UNSUITABLE SOIL REMOVED. THE ESTIMATED QUANTITY IN BASE BID IS 3550 TONS. PROVIDE A UNIT COST FOR ADDITIONS / DEDUCTIONS FROM ALL WORK REQUIRED UNDER THE CONTRACT FOR THE ACTUAL REMOVED QUANTITY ABOVE OR BELOW THE ESTIMATED QUANTITY OF 3550 TONS. - TONS	1.00	\$33.00	\$33.00
90004 - SEE SPECIFICATION 012200. THE BASE BID ITEM 90000 WILL BE ADJUSTED FOR THE ACTUAL BACKFILL OF OVER-EXCAVATED AREAS PROVIDED. BACKFILL SHALL CONSIST OF DRAINAGE COURSE. THE ESTIMATED QUANTITY IN BASE BID IS 3550 TONS. PROVIDE A UNIT COST FOR ADDITIONS / DEDUCTIONS FROM ALL WORK REQUIRED UNDER THE CONTRACT FOR THE ACTUAL INSTALLED QUANTITY ABOVE OR BELOW THE ESTIMATED QUANTITY OF 3550 TONS. - TONS	1.00	\$33.00	\$33.00
90005 - SEE KEY NOTE 3.002 / S-101. THE BASE BID ITEM 90000 WILL BE ADJUSTED FOR THE ACTUAL QUANTITY OF BURIED FOUNDATION REMOVED. THE ESTIMATED QUANTITY IN BASE BID IS 100 CY. PROVIDE A UNIT COST FOR ADDITIONS / DEDUCTIONS FROM ALL WORK REQUIRED UNDER THE CONTRACT FOR THE ACTUAL REMOVED QUANTITY ABOVE OR BELOW THE ESTIMATED QUANTITY OF 100 CY - CY	1.00	\$80.00	\$80.00

SECTION G: BID BOND

KNOW ALL MEN BY THESE PRESENT, THAT Principal and Surety, as identified below, are held and firmly bound unto the City of Madison, (hereinafter referred to as the "Obligee"), in the sum of five per cent (5%) of the amount of the total bid or bids of the Principal herein accepted by the Obligee, for the payment of which the Principal and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

The conditions of this obligation are such that, whereas the Principal has submitted, to the City of Madison a certain bid, including the related alternate, and substitute bids attached hereto and hereby made a part hereof, to enter into a contract in writing for the construction of:

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

1. If said bid is rejected by the Obligee, then this obligation shall be void.
2. If said bid is accepted by the Obligee and the Principal shall execute and deliver a contract in the form specified by the Obligee (properly completed in accordance with said bid) and shall furnish a bond for his/her faithful performance of said contract, and for the payment of all persons performing labor or furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said bid, then this obligation shall be void.

If said bid is accepted by the Obligee and the Principal shall fail to execute and deliver the contract and the performance and payment bond noted in 2. above executed by this Surety, or other Surety approved by the City of Madison, all within the time specified or any extension thereof, the Principal and Surety agree jointly and severally to forfeit to the Obligee as liquidated damages the sum mentioned above, it being understood that the liability of the Surety for any and all claims hereunder shall in no event exceed the sum of this obligation as stated, and it is further understood that the Principal and Surety reserve the right to recover from the Obligee that portion of the forfeited sum which exceed the actual liquidated damages incurred by the Obligee.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by an extension of the time within which the Obligee may accept such bid, and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, on the day and year set forth below.

Seal PRINCIPAL

Kenneth F. Sullivan Co.

Name of Principal

By John Riley
Name and Title

2/28/19

Date

Seal SURETY

Travelers Casualty and Surety Company of America

Name of Surety

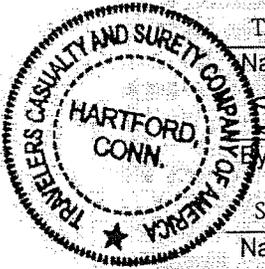
Sheila L Blum

2/25/19

Date

Sheila L. Blum, Attorney-in-fact

Name and Title



This certifies that I have been duly licensed as an agent for the above company in Wisconsin under National Provider No. 6517202 for the year 2019, and appointed as attorney in fact with authority to execute this bid bond and the payment and performance bond referred to above, which power of attorney has not been revoked.

2/25/19

Date

Sheila L Blum

Agent Signature

c/o Baer Insurance Services Inc. PO Box 46490

Address

Madison, WI 53744

City, State and Zip Code

608-830-5805

Telephone Number

NOTE TO SURETY & PRINCIPAL

The bid submitted which this bond guarantees shall be rejected if the following instrument is not attached to this bond:

Power of Attorney showing that the agent of Surety is currently authorized to execute bonds on behalf of the Surety, and in the amounts referenced above.



**Travelers Casualty and Surety Company of America
Travelers Casualty and Surety Company
St. Paul Fire and Marine Insurance Company**

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint **Sheila Blum** of **MADISON Wisconsin** their true and lawful Attorney-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law. IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this 3rd day of February, 2017.



State of Connecticut

City of Hartford ss.

By:
Robert L. Raney, Senior Vice President

On this the 3rd day of February, 2017, before me personally appeared Robert L. Raney, who acknowledged himself to be the Senior Vice President of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.

My Commission expires the 30th day of June, 2021



Marie C. Tetreault
Marie C. Tetreault, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this 25th day of February, 2019



Kevin E. Hughes, Assistant Secretary

To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.
Please refer to the above-named Attorney-in-Fact and the details of the bond to which the power is attached.

SECTION H: AGREEMENT

THIS AGREEMENT made this 25th day of March in the year Two Thousand and Nineteen between KENNETH F. SULLIVAN CO. hereinafter called the Contractor, and the City of Madison, Wisconsin, hereinafter called the City.

WHEREAS, the Common Council of the said City of Madison under the provisions of a resolution adopted MARCH 19, 2019, and by virtue of authority vested in the said Council, has awarded to the Contractor the work of performing certain construction.

NOW, THEREFORE, the Contractor and the City, for the consideration hereinafter named, agree as follows:

1. **Scope of Work.** The Contractor shall, perform the construction, execution and completion of the following listed complete work or improvement in full compliance with the Plans, Specifications, Standard Specifications, Supplemental Specifications, Special Provisions and contract; perform all items of work covered or stipulated in the proposal; perform all altered or extra work; and shall furnish, unless otherwise provided in the contract, all materials, implements, machinery, equipment, tools, supplies, transportation, and labor necessary to the prosecution and completion of the work or improvements:

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

2. **Completion Date/Contract Time.** Construction work must begin within seven (7) calendar days after the date appearing on mailed written notice to do so shall have been sent to the Contractor and shall be carried on at a rate so as to secure full completion SEE SPECIAL PROVISIONS, the rate of progress and the time of completion being essential conditions of this Agreement.
3. **Contract Price.** The City shall pay to the Contractor at the times, in the manner and on the conditions set forth in said specifications, the sum of SEVEN MILLION FIFTY-FIVE THOUSAND SIX HUNDRED AND NO/100 (\$7,055,600.00) Dollars being the amount bid by such Contractor and which was awarded to him/her as provided by law.
4. **Affirmative Action.** In the performance of the services under this Agreement the Contractor agrees not to discriminate against any employee or applicant because of race, religion, marital status, age, color, sex, disability, national origin or ancestry, income level or source of income, arrest record or conviction record, less than honorable discharge, physical appearance, sexual orientation, gender identity, political beliefs, or student status. The Contractor further agrees not to discriminate against any subcontractor or person who offers to subcontract on this contract because of race, religion, color, age, disability, sex, sexual orientation, gender identity or national origin.

The Contractor agrees that within thirty (30) days after the effective date of this agreement, the Contractor will provide to the City Affirmative Action Division certain workforce utilization statistics, using a form to be furnished by the City.

If the contract is still in effect, or if the City enters into a new agreement with the Contractor, within one year after the date on which the form was required to be provided, the Contractor will provide updated workforce information using a second form, also to be furnished by the City. The second form will be submitted to the City Affirmative Action Division no later than one year after the date on which the first form was required to be provided.

The Contractor further agrees that, for at least twelve (12) months after the effective date of this contract, it will notify the City Affirmative Action Division of each of its job openings at facilities in Dane County for which applicants not already employees of the Contractor are to be considered. The notice will include a job description, classification, qualifications and application procedures

and deadlines. The Contractor agrees to interview and consider candidates referred by the Affirmative Action Division if the candidate meets the minimum qualification standards established by the Contractor, and if the referral is timely. A referral is timely if it is received by the Contractor on or before the date started in the notice.

Articles of Agreement Article I

The Contractor shall take affirmative action in accordance with the provisions of this contract to insure that applicants are employed, and that employees are treated during employment without regard to race, religion, color, age, marital status, disability, sex, sexual orientation, gender identity or national origin and that the employer shall provide harassment free work environment for the realization of the potential of each employee. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation and selection for training including apprenticeship insofar as it is within the control of the Contractor. The Contractor agrees to post in conspicuous places available to employees and applicants notices to be provided by the City setting out the provisions of the nondiscrimination clauses in this contract.

Article II

The Contractor shall in all solicitations or advertisements for employees placed by or on behalf of the Contractors state that all qualified or qualifiable applicants will be employed without regard to race, religion, color, age, marital status, disability, sex, sexual orientation, gender identity or national origin.

Article III

The Contractor shall send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding a notice to be provided by the City advising the labor union or worker's representative of the Contractor's equal employment opportunity and affirmative action commitments. Such notices shall be posted in conspicuous places available to employees and applicants for employment.

Article V

The Contractor agrees that it will comply with all provisions of the Affirmative Action Ordinance of the City of Madison, including the contract compliance requirements. The Contractor agrees to submit the model affirmative action plan for public works contractors in a form approved by the Affirmative Action Division Manager.

Article VI

The Contractor will maintain records as required by Section 39.02(9)(f) of the Madison General Ordinances and will provide the City Affirmative Action Division with access to such records and to persons who have relevant and necessary information, as provided in Section 39.02(9)(f). The City agrees to keep all such records confidential, except to the extent that public inspection is required by law.

Article VII

In the event of the Contractor's or subcontractor's failure to comply with the Equal Employment Opportunity and Affirmative Action Provisions of this contract or Section 39.03 and 39.02 of the Madison General Ordinances, it is agreed that the City at its option may do any or all of the following:

1. Cancel, terminate or suspend this Contract in whole or in part.

2. Declare the Contractor ineligible for further City contracts until the Affirmative Action requirements are met.
3. Recover on behalf of the City from the prime Contractor 0.5 percent of the contract award price for each week that such party fails or refuses to comply, in the nature of liquidated damages, but not to exceed a total of five percent (5%) of the contract price, or ten thousand dollars (\$10,000), whichever is less. Under public works contracts, if a subcontractor is in noncompliance, the City may recover liquidated damages from the prime Contractor in the manner described above. The preceding sentence shall not be construed to prohibit a prime Contractor from recovering the amount of such damage from the non-complying subcontractor.

Article VIII

The Contractor shall include the above provisions of this contract in every subcontract so that such provisions will be binding upon each subcontractor. The Contractor shall take such action with respect to any subcontractor as necessary to enforce such provisions, including sanctions provided for noncompliance.

Article IX

The Contractor shall allow the maximum feasible opportunity to small business enterprises to compete for any subcontracts entered into pursuant to this contract. (In federally funded contracts the terms "DBE, MBE and WBE" shall be substituted for the term "small business" in this Article.)

5. Substance Abuse Prevention Program Required. Prior to commencing work on the Contract, the Contractor, and any Subcontractor, shall have in place a written program for the prevention of substance abuse among its employees as required under Wis. Stat. Sec. 103.503.
6. **Contractor Hiring Practices.**

Ban the Box - Arrest and Criminal Background Checks. (Sec. 39.08, MGO)

This provision applies to all prime contractors on contracts entered into on or after January 1, 2016, and all subcontractors who are required to meet prequalification requirements under MGO 33.07(7)(l), MGO as of the first time they seek or renew pre-qualification status on or after January 1, 2016. The City will monitor compliance of subcontractors through the pre-qualification process.

- a. **Definitions.** For purposes of this section, "Arrest and Conviction Record" includes, but is not limited to, information indicating that a person has been questioned, apprehended, taken into custody or detention, held for investigation, arrested, charged with, indicted or tried for any felony, misdemeanor or other offense pursuant to any law enforcement or military authority.

"Conviction record" includes, but is not limited to, information indicating that a person has been convicted of a felony, misdemeanor or other offense, placed on probation, fined, imprisoned or paroled pursuant to any law enforcement or military authority.

"Background Check" means the process of checking an applicant's arrest and conviction record, through any means.

- b. **Requirements.** For the duration of this Contract, the Contractor shall:

1. Remove from all job application forms any questions, check boxes, or other inquiries regarding an applicant's arrest and conviction record, as defined herein.

2. Refrain from asking an applicant in any manner about their arrest or conviction record until after conditional offer of employment is made to the applicant in question.
3. Refrain from conducting a formal or informal background check or making any other inquiry using any privately or publicly available means of obtaining the arrest or conviction record of an applicant until after a conditional offer of employment is made to the applicant in question.
4. Make information about this ordinance available to applicants and existing employees, and post notices in prominent locations at the workplace with information about the ordinance and complaint procedure using language provided by the City.
5. Comply with all other provisions of Sec. 39.08, MGO.

c. Exemptions: This section shall not apply when:

1. Hiring for a position where certain convictions or violations are a bar to employment in that position under applicable law, or
2. Hiring a position for which information about criminal or arrest record, or a background check is required by law to be performed at a time or in a manner that would otherwise be prohibited by this ordinance, including a licensed trade or profession where the licensing authority explicitly authorizes or requires the inquiry in question.

To be exempt, Contractor has the burden of demonstrating that there is an applicable law or regulation that requires the hiring practice in question, if so, the contractor is exempt from all of the requirements of this ordinance for the position(s) in question.

**METRO TRANSIT - SERVICE LANE ADDITION - PHASE 1
CONTRACT NO. 8238**

IN WITNESS WHEREOF, the Contractor has hereunto set his/her hand and seal and the City has caused this contract to be sealed with its corporate seal and to be executed by its Mayor and City Clerk on the dates written below.

Countersigned:

Kimberly Feiner 4-1-19.
Witness Date
Kimberly Feiner 4-1-19
Witness Date

KENNETH F. SULLIVAN CO.

Kenneth F. Sullivan
Company Name
Kenneth F. Sullivan 4/1/19
President Date
[Signature] 4-1-19
Secretary Date

CITY OF MADISON, WISCONSIN

Provisions have been made to pay the liability that will accrue under this contract.

[Signature] 4/3/19
Finance Director Date
Dan Cini 4.4.19
Witness Date
[Signature] 4-4-19
Witness Date

Approved as to form:

[Signature] 4-4-19
City Attorney Date
[Signature] 4.4.19
Mayor Date
Mairbeth Witzel-Behl 4-4-2019
City Clerk Date

SECTION I: PAYMENT AND PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS, that we KENNETH F. SULLIVAN CO. as principal, and Travelers Casualty and Surety Company of America Company of Hartford, Connecticut as surety, are held and firmly bound unto the City of Madison, Wisconsin, in the sum of SEVEN MILLION FIFTY-FIVE THOUSAND SIX HUNDRED AND NO/100 (\$7,055,600.00) Dollars, lawful money of the United States, for the payment of which sum to the City of Madison, we hereby bind ourselves and our respective executors and administrators firmly by these presents.

The condition of this Bond is such that if the above bounden shall on his/her part fully and faithfully perform all of the terms of the Contract entered into between him/herself and the City of Madison for the construction of:

**METRO TRANSIT - SERVICE LANE ADDITION - PHASE 1
CONTRACT NO. 8238**

in Madison, Wisconsin, and shall pay all claims for labor performed and material furnished in the prosecution of said work, and save the City harmless from all claims for damages because of negligence in the prosecution of said work, and shall save harmless the said City from all claims for compensation (under Chapter 102, Wisconsin Statutes) of employees and employees of subcontractor, then this Bond is to be void, otherwise of full force, virtue and effect.

Signed and sealed this 25th day of March 2019

Countersigned:

Kimberly Jensen
Witness

[Signature]
Secretary

Approved as to form:

[Signature]
City Attorney

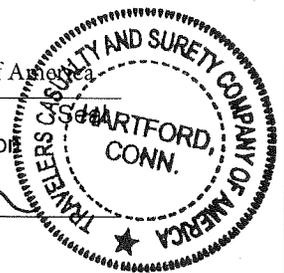
KENNETH F. SULLIVAN CO.
Company Name (Principal)

[Signature]
President Seal

Travelers Casualty and Surety Company of America

Surety
 Salary Employee Commissioner

By Sheila Blum
Attorney-in-Fact Sheila Blum



This certifies that I have been duly licensed as an agent for the above company in Wisconsin under National Producer Number 6517202 for the year 2019, and appointed as attorney-in-fact with authority to execute this payment and performance bond which power of attorney has not been revoked.

3/25/19
Date

Sheila Blum
Agent Signature



**Travelers Casualty and Surety Company of America
Travelers Casualty and Surety Company
St. Paul Fire and Marine Insurance Company**

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint **Sheila Blum** of **MADISON Wisconsin**, their true and lawful Attorney-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this **3rd** day of **February**, 2017.



State of Connecticut

City of Hartford ss.

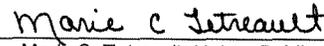
By: 
Robert L. Raney, Senior Vice President

On this the **3rd** day of **February**, 2017, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.

My Commission expires the **30th** day of **June**, 2021




Marie C. Tetreault, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

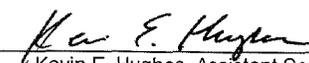
FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this **25th** day of **March**, 2019




Kevin E. Hughes, Assistant Secretary

**To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.
Please refer to the above-named Attorney-in-Fact and the details of the bond to which the power is attached.**