



Wisconsin Department of Transportation

November 6, 2023

Division of Transportation Systems Development
 Bureau of Project Development
 4822 Madison Yards Way, 4th Floor South
 Madison, WI 53705

Telephone: (608) 266-1631
 Facsimile (FAX): (608) 266-8459

NOTICE TO ALL CONTRACTORS:

Proposal #34: 1022-04-76, WISC 2024045
IH 94 SWEF 63 MENOMONIE
MENOMONIE - EAU CLAIRE
IH 94
Dunn County

1022-04-86
IH 94 SWEF 63 MENOMONIE
IH 94 SALT LAKE STORAGE FACILITY
IH 94
Dunn County

Letting of November 14, 2023

This is Addendum No. 01, which provides for the following:

Special Provisions:

Revised Special Provisions	
Article No.	Description
45	SWEF Building, General Construction, Item SPV.0060.100.

Added Special Provisions	
Article No.	Description
66	SPV.0045.001 Connected Work Zone Notification System

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Proposal Total Prior to Addendum	Proposal Quantity Change (-)	Proposal Total After Addendum
643.0800	Arrow Boards	DAY	485	-292	193
646.2040	Marking Line Grooved Wet Reflective Epoxy 6-inch	LF	225	+1,575	1,800
646.2050	Marking Line Grooved Permanent Tape 6-Inch	LF	1,800	-1,350	450

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Proposal Total Prior to Addendum	Quantity Added	Proposal Total After Addendum
SPV.0045.001	Connected Work Zone Notification System	DAY	0	+136	136

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Proposal Total Prior to Addendum	Proposal Quantity Change (-)	Proposal Total After Addendum
646.2025	Marking Line Grooved Black Epoxy 6-Inch	LF	225	-225	0

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
146	Notes Added
148	Keynotes Added
149	Keynotes Added
151	Keynotes Added
152	Keynotes Revised
154	Accessories and Schedule Revised
155	Keynotes Added
156	Keynotes Added
162	Notes Added
164	Quantity Changed
167	Notes Added and Schedule Revised
168	Notes Added and Schedule Revised
171	Notes Added
175	Size Change
177	Notes Added and Schedule Revised
181	Notes Added
188	Notes Added and Schedule Revised
189	Schedule Revised
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191	Notes Revised
192	Revised Notes, titleblock information
193	Revised titleblock information
194	Revised titleblock information
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196	Revised Notes, titleblock information
197	Revised Notes, titleblock information
198	Revised Plan Dimensions, Ramp Foundations, Notes, titleblock information
199	Revised/Updated Roof Framing Plan, updated titleblock information
200	Updated Titleblock information
201	Updated Titleblock information
202	Updated Titleblock information
203	Updated Titleblock information, Revised Apron slab detail
204	Updated Titleblock information
205	Updated Titleblock information, Added Ramp detail
206	Updated Titleblock information
207	Updated Titleblock information
208	Updated Titleblock information, revised detail at Eave
280	Added SPV.0045.001 to Traffic Control Table and revised Arrow Boards quantity
282	Updated quantities for grooved pavement marking
403	Replace sheet with updated SDD

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 01

1022-04-76/86

November 6, 2023

Special Provisions

45. SWEF Building, General Construction, Item SPV.0060.100.

Replace entire section titled Division 00 – Contracting Requirements with the following:

DIVISION 00 – CONTRACTING REQUIREMENTS

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IH-94

DUNN COUNTY

State Project No. 1022-04-76

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*Add the following after section titled **SECTION 07 60 00 – FLASHING AND SHEET METAL:***

Section 07 71 23 – Manufactured Gutters & Downspouts

THIS SECTION INCLUDES SHOP AND FIELD FABRICATED FLASHING AND SHEET METAL WORK RELATED TO OR USED IN CONJUNCTION WITH ROOFING WORK AND THE GENERAL WATERPROOFING INTEGRITY OF THE BUILDING.

PART 1 – GENERAL

1.1 SECTION INCLUDES

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.
- B. Work Includes: Shop fabricated, prefinished aluminum gutters and downspouts.

1.2 RELATED SECTIONS

- A. Section 07 41 00 – Standing Seam Metal Roofing
- B. Section 07 60 00 – Flashings and Sheet Metal

1.3 SUBMITTALS

- A. Shop drawings showing layout, profiles, method of joining, anchorage details, etc

1.4 WARRANTY

- A. Provide manufacturers 20 year written guarantee covering film integrity, fading, chalking.

PART 2 – PRODUCTS

2.1 MATERIALS

- A. Prefinished Aluminum: .063 inch aluminum, commercial quality, primed and finished one side with Kynar based fluopolymer coating. Provide strippable plastic film on face.
 - 1. Peterson Aluminum Corporation "Pac-Clad".

2. Firestone's "Una-Clad".
3. Metal Era, Inc.

2.2 COMPONENTS

- A. Provide all necessary components and accessories necessary for a complete installation including the following:
 1. Gutters: Rectangular shaped as shown on drawings.
 2. Downspouts: Rectangular with open face.
 3. Gutter support brackets, downspout straps

2.3 FABRICATION

- A. Fabricate gutters and downspouts to profiles indicated on drawings.
- B. Field measure site conditions prior to fabricating work.
- C. Hem all exposed sheet metal edges.
- D. Coat backside of fabricated sheet metal with 15 mil sulfur free bituminous coating, SSPC Paint 12, where required to separate metals from corrosive substrates, including cementitious materials, wood or other absorbent materials; or provide other permanent separation.
- E. Provide hard plastic spacers where downspout is anchored to steel column or masonry wall surface.
- F. Where indicated on the drawings, fabricate downspouts with matching aluminum 'false back' interior liner to maintain continuous vertical downspout past masonry wall projections.
- G. Provide for thermal expansion of running sheet metal gutters by watertight overlaps of expansion joints in fabricated work. Space joints at intervals of not more than 30 feet. Conceal expansion provisions where possible.

2.4 FINISH

- A. Kynar 500 coating.
- B. Color: Match Peterson Aluminum 'Colonial Red'

PART 3 – EXECUTION

3.1 INSTALLATION

- A. Install gutters, collector heads and downspouts in accordance with manufacturer's instructions.
- B. Seal moving joints in metal work with elastomeric joint sealants, complying with requirements specified in Division 7 Section "Joint Sealants."
- C. Clean metal surfaces of soldering flux and other substances, which could cause corrosion.

END OF SECTION 07 71 23

Add the following after section titled **SECTION 09 21 16 – GYPSUM BOARD ASSEMBLIES:**

SECTION 09 31 00 - TILING

PART 1- GENERAL

1.1 SCOPE OF WORK

- A. Applicable provisions of Division 1 shall govern all work under this section.
- B. The work under this section consists of providing all materials, labor, equipment, and supervision necessary to complete all work in these specifications and the drawings.
- C. Section includes
 - 1. Porcelain ceramic tile
 - 2. Setting materials, leveling, adhesives and grout
 - 3. Waterproof membrane liner
 - 4. Crack Suppression Membrane
 - 5. Trim Accessories
 - 6. Substrate preparation
 - 7. Thick-set mortar bed
 - 8. Sealants and backer materials for joints in tile work
 - 9. Final cleaning of tile surfaces

1.2 RELATED WORK

- A. Section 07 92 00 - Joint Sealants
- B. Section 09 21 16 – Moisture Resistant Gypsum Board

1.3 REFERENCES

- A. Tile Council of North America, Inc. (TCNA):
 - 1. 'Hand Book Ceramic Glass and Stone tile installation', 2011 Edition or later
- B. American National Standards Institute (ANSI)
 - 1. A108/A118/A136.1 – “ American Standard Specification for the Installation of Ceramic Tile’
 - 2. A108.5 – Ceramic Tile installed with Dry-Set Portland Cement Mortar
 - 3. A108.6 -Specifications for Ceramic Tile Installed with chemical Resistant, Water-cleanable Tile-setting and Grouting Epoxy
 - 4. A108.6 – Specifications for Installation of Grout Tilework
 - 5. A118 – Latex Portland Cement Mortar 4
 - 6. A118.1 – Dry-Set Portland Cement Mortar
 - 7. A118.4 – “Latex Portland Cement Mortar”
 - 8. A118.12 – “Crack Isolation Membranes for Thin-set Ceramic Tile and Dimension Stone Installation”
- C. ASTM International (ASTM) Publications: (Former American Society for Testing and Materials).
 - 1. C241 ‘Standard Test Method for Abrasion Resistance of Stone Subjected to Foot Traffic’
 - 2. C503 – ‘Standard Specification for Marble Dimensions Stone (Exterior)’
 - 3. C627 – ‘Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-type Floor Tester’
 - 4. C1028 ‘Standard Test Method for Determining the Static Coefficient of Friction of Ceramic Tile and Other Like Surfaces by the Horizontal Dynamometer Pull-Meter Method’

1.4 SUBMITTALS

- A. Submit the following in accordance with Division 1 General Requirements

- B. Product Data: For each type of product specified
 - 1. Tile
 - 2. Setting Adhesives
 - 3. Sheet membrane waterproofing and crack isolation underlayment
 - 4. Grout and Adhesive
- C. Samples
 - 1. Tile
 - 2. Sheet membrane waterproofing membrane
 - 3. Trim accessories

1.5 QUALITY ASSURANCE

- A. In addition to complying with all pertinent codes and regulations, conform to ANSI A 108/A118/A136.1 'American Standard Specifications for the Installation of Ceramic Tile',
- B. Performance Requirements:
 - 1. Static Coefficient of Friction: For tile installed on walkway surfaces, provide products with the following values as determined by testing identical products per ASTM C 102.
 - a. All horizontal Surfaces: Minimum 0.6 Wet
 - b. Step Treads: Minimum 0.6 Wet

1.6 DELIVERY, STORAGE AND HANDLING

- A. Deliver packaged materials and store in original containers with seals unbroken and labels intact until time of use in accordance with manufacturer's directions. Protect adhesives from freezing or overheating in accordance with manufacturer's instructions.

1.7 PROJECT CONDITIONS

- A. Substrate shall be prepared to receive new tile in a manner acceptable to the tile manufacturer; and in accordance with ANSI Standard Installation Specification A108.1 through A108.13; and TCNA's 'Handbook for Ceramic, Glass and Stone Tile Installation'.

PART 2 – PRODUCTS

2.1 FLOOR AND WALL TILE

- A. For basis of design, the plans are based on tile products from Dal-Tile. Equivalent products from the following alternate manufactures will be accepted contingent on compliance with the performance requirements as set forth by the base specifications. Manufacturer's wishing to submit alternate tile products shall submit product data sheets and/or specifications.
 - 1. Caesar ceramics USA Inc. (Ceramiche Caeser)
 - 2. Porcelanosa USA
 - 3. Crossville
- B. Floor Tile: Refer to Master Color Schedule
- C. Wall Tile: Refer to Master Color Schedule

2.2 CRACK SUPPRESSION MEMBRANE

A. Approved Manufacturers

1. Sheet Membrane
 - a. 'Dal-Seal TS', Dal-Tile
 - b. 'Laticrete 170 Sound & Crack Isolation Mat': Laticrete International Inc.
 - c. 'Nobleseal CIS Crack Isolation Sheet', The Noble Co.
- B. General: Product that complies with ANSI A118.12 and is recommended by the manufacturer for the application indicated. Include reinforcement and accessories recommended by manufacturer.
- C. Provide self-bonding elastomeric membrane capable of heavy-duty service per ASTM C627. Liquid-applied products will not be allowed.
- D. Primer: As required by the membrane manufacturer.
- E. Furnish in 12 inch and 36 inch wide sheets in lengths required.

2.3 LEVELING COAT

A. Concrete Leveling and Patching Compounds

1. Verify with manufacturer of the setting materials that the product utilized is compatible with their products.
2. Trowelable underlayment patch for thickness from feather edge to 3 inch without aggregate.
 - a. 'Quickpatch': Mapei Corp.
 - b. 'Fast set deep patch'; TEC Specialty Products, HB Fuller Construction Products inc.
 - c. 'NXT Level Plus with NXT Primer'; Laticrete International Inc.
 - d. Trowelable underlayment patch for thickness up to ½ inch without aggregate, up to 1 inch with aggregate. Can be feather edged.
 - 1) 'SD-P/Primer P-82'; Ardex
3. For areas exceeding 4 square feet.
 - a. Self-leveling, pourable or pumpable underlayment for thicknesses up to 5 inches. Can be feather edged. Must be installed a minimum of ¼ inch.
 - 1) "K-15/Primer p-51"; Ardex (724
 - 2) 'Novoplan 2/Primer': Mapei Corp. datasheet for specific requirements based on substrates).
 - 3) EZ Level TA-323/Multi Purpose Primer': TEC Specialty Products, HB Fuller Construction Products Inc.
 - 4) 'NXT Level with NXT Primer', Laticrete International Inc.
- B. Maximum variation in surface of leveling coat shall not exceed 1/8" in 8'0" from required plane
- C. Leveling coat shall be cured at least 24 hours before tile is applied.
- D. Surface to which leveling coat is to be applied shall be free of any coatings, oil, and wax.

2.4 MORTAR MATERIALS: FLOOR TILE

A. Approved Manufacturers:

1. Bonsai America Inc. A division of Oldcastle
2. Custom Building Products
3. Hydroment (Bostick Findley, Inc.)
4. Laticrete International

5. Mapei Corp
6. Tec Specialty Products, HB Fuller Construction Products Inc.
7. Ardex

B. Bond Coat: Thin set mortar with Polymer or Acrylic/Latex Additive

2.5 WALL ADHESIVE MATERIALS – CERAMIC TILE – MASTIC TYPE

A. High strength latex-based, non-flammable adhesive formulated to meet or exceed the requirements of ANSI A136.1 Type 1

B. Gypsum Wallboard:

1. Approved Manufacturers
 - a. Bonsal America Inc. A division of Oldcastle
 - b. Custom Building Products
 - c. Hydroment (Bostick Findley, Inc.0)
 - d. Laticrete International Inc.
 - e. Mapei Corp.
 - f. Ardex
2. Acceptable Products: Refer to Setting and Grout Material Schedule at end of this Section.

2.6 WALL ADHESIVE MATERIALS – CERAMIC TILE –ORGANIC TYPE

A. Organic Adhesive formulated to meet or exceed the requirements of ANSI A136.1, Type 1

B. Gypsum Wallboard:

1. Approved Manufacturers:
 - a. Bonsal America Inc. A division of Oldcastle APG (800 738 1621)
 - b. Custom Building Products
 - c. Hydroment (Bostick Findley Inc.)
 - d. Laticrete International Inc.
 - e. Mapei Corp.
 - f. TEC Specialty Products, HB Fuller Construction Products Inc.
 - g. Ardex
2. Acceptable Products: Refer to Setting and Grout Material Schedule at end of this Section.

2.7 GROUT MATERIALS

A. Latex Portland Cement Grout consisting of mortar with an acrylic latex of polymer epoxy additive. Use in conformance with ANSI A108.5 and ANSI A108.10. Materials shall conform to ANSI A118.3 and ANSI A118.7.

1. Color to be selected from manufacturers standard colors

B. Approved Manufacturers:

1. Laticrete International Inc.
 - a. All joints 1/8 " or greater:
 - 1) 'Permacolor Grout'
 - b. All joints width less than 1/8"
 - 1) 'Permacolor Grout'
 - c. Epoxy Grout (All Joint Widths – floor only)

- 1) Spectralock® 1 Pre-Mixed Grout
2. Mapei Corp
 - a. All joints 1/8" or greater
 - 1) 'Ultracolor Plus' (Sanded)
 - b. All joints widths less than 1/8".
 - 1) 'KER 800 Series ' (unsanded)
 - c. Epoxy Grout (All Joint Widths-floor Only)
 - 1) 'Kerapoxy IEG' Epoxy Grout
3. Custom Building Products
 - a. All joints 1/8" or greater
 - 1) Polyblend Sander Tile Grout' (sanded)
 - b. All joints widths less than 1/8"
 - 1) Polyblend Sanded Tile Grout (sanded)
 - c. Epoxy Grout (All Joints Widths-Floor Only)
 - 1) '100% Solids Epoxy Grout'
4. Hydroment (Bostick findley Inc.)
 - a. All joints widths less than 1/8"
 - 1) Ceramic Tile Grout#425 Multi Purpose Acrylic Latex Additive (sanded)
 - b. All joints widths less than 1/8"
 - 1) Dry Tile Grout #425 Multi Purpose Acrylic Latex Additive' (unsanded)
 - c. Epoxy Grout (All Joint Widths – Floor Only)
 - 1) 'Hyroment Color-Proxy
5. TEC Specialty Construction Brands
 - a. All joints 1/8" or greater
 - 1) TEC Accucolor Sanded Grout/896 Latex Additive
 - b. All joints widths less than 1/8"
 - 1) TEC accucolor Unsanded Grout/896 Latex Additive
 - c. Epoxy Grout (Joints 1/16"-1/2"-floor only)
 - 1) TA470 Epoxy Grout and Mortar

2.8 ACCESSORIES

A. Edging and Transition Strips for floor tile:

1. Approved Manufacturers:
 - a. Schluter Systems
 - b. Ceramic Tool Company Inc.

B. Flooring Applications

- | | |
|-------------------------------|---------------------|
| 1. Floor Tile To Exposed Slab | Schluter® RENO-RAMP |
| 2. Floor Tile Movement Joint | Schluter® DECO |

2.9 OTHER MATERIALS

A. Joint Sealant to include sealing of ceramic tile surfaces at internal and external corners. Transitions in plane where ceramic tile work abuts dissimilar stains.

1. Refer to Section 07 92 00 for sealant specifications

B. Other materials, including adhesives not specifically described but required for a complete and proper installation of tiles, shall be only as recommended by the manufacturer of material to which it is applied.

2.10 MIXING MORTARS AND GROUT

- A. Mix mortars and grouts to comply with referenced standards and mortar and grout manufacturers' written instructions.
- B. Obtain and use type of mixing equipment, mixer speeds, mixing containers, mixing time and other procedures to produce mortars and grouts of uniform quality with optimum performance characteristics for installation indicated.

2.11 TILE BACKER BOARD

- A. Georgia-Pacific DenShield Tile backer, ½" thick, ASTM C 1178C/1178M

PART 3 – EXECUTION

3.1 INSPECTION

- A. Installer must examine the areas and conditions under which flooring and accessories are to be installed and notify the Contractor in writing of conditions detrimental to the proper and timely completion to the works. Do not proceed with the work until unsatisfactory conditions have been corrected in a manner acceptable to the installer.

3.2 PREPARATION

- A. Prior to laying flooring, vacuum and remove all contaminates from surfaces to be covered and inspect subfloor. Use leveling compound as recommended by flooring manufacturer for filling small cracks and depressions in subfloors.

1. Concrete Subfloors

- a. Slab substrates are dry and free of curing compounds, sealers, hardeners, residual adhesives, adhesive removers, and other materials whose presence would interfere with bonding of tile adhesive or mortar and comply with surface finish requirements of ANSI A108.01. Determine adhesion and dryness characteristics by performing bond and moisture tests recommended by manufacturer.
 - b. Subfloor Moisture Conditions: Before installing flooring Contractor shall verify that Moisture emission rate of not more than 3lb/1000 sq. ft/24 hours when tested by calcium chloride moisture test in compliance with CRI 104.6.2.1 and does not exceed the capacity of the specified adhesive or mortar, with subfloor temperatures not less than 55 deg F, or as recommended by manufacturer.
 - c. New concrete surfaces shall be wood-floated or broom finishes. Overtroweled slabs are not acceptable.
 - d. Existing concrete slabs shall be mechanically prepared to a minimum IRCI CSP#3 profile, or as recommended by setting mortar manufacturer.
- B. Apply concrete slab primer for ceramic tile, if recommended by flooring manufacturer, prior to application of adhesive. Apply in compliance with manufacturer's directions.

3.3 CRACK SUPPRESSION MEMBRANE

- A. Install membrane in strict accordance with manufacturer's specifications and ANSI A108.17.
- B. Provide width of membrane as recommended by membrane manufacturer, but no less than three (3) times the width of the tile used at all control joints, existing cracks in concrete floor and other locations as required to comply with TCNA's 'Handbook for Ceramic Tile Installation'

3.4 TILE INSTALLATION - GENERAL

- A. Comply with the ANSI Standard Installation Specification A108.1 through A108.13 and TCNA's Handbook for Ceramic, Glass, and Stone Tile Installation'.
- B. Extend tile work into recesses and under equipment and fixtures to form a complete covering without interruptions. Terminate work neatly at obstruction, edges, and corners without disruption of pattern, joint alignment, or bridging of Expansion Joints or Control Joints.
- C. Expansion Joints: Provide expansion joints, and pressure relieving joints of widths and locations according to TCNA Handbook Construction No. EJ171 and as approved by Architect. Do not saw cut joints after application.
- D. Lay tile from center marks established from center of area so that TILE AT OPPOSING EDGES OF THE AREA ARE OF EQUAL WIDTH. Adjust as necessary to avoid use of cut widths less than ½ tile at edge perimeters. Lay tile square to room axis unless otherwise shown.
- E. Lay tile with grain in tile running in same direction. Accurately form intersections and returns. Perform cutting and drilling of tile without marring visible surfaces. Grind cut edges of tile abutting trim, finish, or built-in items.
- F. Sound tile after setting and replace hollow sounding units.
- G. Grout tile to comply with the requirements of the ANSI A18.10 tile installation standards.

3.5 FLOOR TILE INSTALLATION

- A. General: Install tiles designated for floor installations, in accordance with TCNA's 'Handbook for Ceramic Tile installation.'
- B. Back Buttering: For installations indicated, obtain 100% mortar coverage by complying with applicable special requirements for back buffering of tile in referenced ANSI A108 series of tile installation standards:
 - 1. Exterior tile floors
 - 2. Metal Edge Strips: Install at locations indicated or at all locations where exposed edge of tile flooring meets carpet, wood, or other flooring, unless otherwise indicated.

3.6 INSTALLATION – THIN SET

- A. TCA Method: F113-09 Dry-Set Mortar or Latex-Portland Cement Mortar

3.7 INSTALLATION - FULL MORTAR BED METHOD

- A. Install cement mortar bed, tile and grout in accordance with TCA Installation Method F121-09
- B. Install cleavage membrane.
- C. Slope mortar bed to floor drains as indicated on the drawings.
- D. Lay tile to pattern indicated on the drawings.
- E. Cut and fit tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make joints watertight without voids, cracks, excess mortar or excess grout.
- F. Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make joints watertight without voids, cracks, excess mortar or excess grout.

- G. Sound tile after setting. Replace hollow sounding units.
- H. Keep expansion and control joints free of mortar or grout. Apply sealant to joints.
- I. Grout tile joints.
- J. Apply sealant to junction of tile and dissimilar materials and junction of dissimilar planes.

3.8 WALL TILE INSTALLATION

- A. General: Install ties designated for wall installations in accordance with TCNA's 'Handbook for Ceramic Tile Installation'.

3.9 GROUTING

- A. Grout shall be installed in accordance with ANSI A108.10 (A108.6 for epoxy) and the manufacturer's recommended procedures and precautions during application and cleaning.
 - 1. Tile shall be grouted using latex Portland cement grout unless noted otherwise.
 - 2. Tile kitchen and associated adjacent areas shall be grouted using chemical resistant epoxy grout.
- B. Grout Sealer: Apply grout sealer to grout joints according to grout-sealer manufacturer's written instruction. As soon as grout sealer has penetrated grout joints, remove excess sealer and sealer from tile faces by wiping with soft cloth.

3.10 ADJUST AND CLEAN

- A. Clean grout and setting material from face of tile while materials are workable. Leave tile face clean and free of all foreign matter.
- B. Leave finished installation clean and free of cracked, chipped, broken, unbonded, or otherwise defective work.
- C. Protection: When recommended by tile manufacturer, apply a protective coat of neutral protective cleaner to completed surface. Protect installed tile work with Kraft paper or other heavy covering during the construction period to prevent damage. Prohibit all foot and wheel traffic from using tiles floors for at least 3 days, preferably 7 days.
- D. Before final inspection, remove protective coverings and rinse neutral cleaner from all tile surfaces.

END OF SECTION 09 31 00

*Replace **Part 2 – Products** under section titled **Section 10 28 00 – TOILET AND BATH ACCESSORIES** with the following:*

PART 2 – PRODUCTS

2.1 MANUFACTURERS

- A. Bobrick Washroom Equipment
- B. Bradley Corporation
- C. American Specialties, Inc. (ASI)

D. Mckinney/Parker.

2.2 MATERIALS

A. Materials – General: Fabricate toilet accessory items from the following materials and in accordance requirements specified for individual accessory items:

1. Stainless Steel: AISI Type 302/304, with polished No. 4 finish, 22 gage (.034-inch) minimum thickness, unless otherwise indicated.
2. Brass: Leaded and unleaded, flat products, ASTM B 19; rods, shapes, forgings, and flat products with finished edges, ASTM B 16, Castings, ASTM B-3.
3. Sheet Steel: Cold-rolled, commercial quality ASTM A 366, 20-gage (.040-inch) minimum, unless otherwise indicated. Surface preparation and metal pretreatment as required for applied finish.
4. Galvanized Steel Sheet: ASTM A 527, G60.
5. Chromium Plating: Nickel and chromium electro-deposited on base metal, ASTM B 456. Type SC 2.
6. Mirror glass: Nominal 6.0 mm (0.23 inch) thick, conforming to ASTM C 1036, Type 1, Class 1, Quality Q2, and with silvering, electro-plated copper coating, and protective organic coating.
7. Galvanized Steel Mounting Devices: ASTM A 153, hot-dip galvanized after fabrication.
8. Fasteners: Screws, bolts, and other devices of same material as accessory unit or of galvanized steel where concealed.
9. Keys: Provide universal keys for access to toilet accessory units requiring internal access for servicing, resupply, etc. Provide minimum of six (6) keys to Owner's representative and obtain receipt.

B. Toilet Tissue Dispenser

1. Basis of Design: Bobrick B-2892
2. Description: Surface-mounted, twin jumbo-roll, toilet issue dispenser door, cabinet and mounting plate shall be constructed of type-304 stainless steel. Cabinet shall be 20-gauge and equipped with a tumbler lock. Door shall be 18-gauge with a wide viewing slot to reveal toilet tissue supply. Unit shall be fastened through 20-gauge stainless steel mounting plate. Dispensing mechanism shall be constructed of high impact, ABS and shall accommodate two 10" diameter toilet tissue rolls with 3" diameter core; and be equipped with a sliding access panel that exposes one roll at a time. Spindles shall be convertible in the field to dispense 2-1/4" diameter core rolls by removing outer spindles furnished in-place.
3. Qty: 2

C. Stainless Steel Grab Bars: Provide grab bars with wall thickness not less than 18 gage (.050 inch) and as follows:

1. Basis of Design: Bobrick B6806 Series
2. Mounting: Concealed, manufacturer's standard flanges and anchorages.
3. Clearance: 1-1/2 inches clearance between wall surface and inside face of bar.
4. Gripping surfaces: Manufacturer's standard nonslip texture.
5. Heavy-Duty size: Outside diameter of 1-1/2 inches
6. Qty: Provide grab bar lengths and locations where indicated on the drawings and compliant with Article 609 – Grab Bars of the *2015 Accessibility Code*

D. Soap Dispenser

1. Basis of design: Bobrick B-2012
2. Surface mounted soap dispenser shall be type-304 stainless steel with satin finish. Corrosion resistant valve shall dispense commercially marketed all-purpose hand soaps. Valve shall be operable with one hand and with less than 5 pounds of force to comply with barrier-free accessibility guidelines. Door front shall have curved profile with radiused corners and edges of soap dispenser. Container body and back plate shall be epoxy sealed to prevent warping and leakage. Soap dispenser shall have concealed, vandal-resistant mounting. Locked hinged stainless steel lid for top filling shall require special key to open.
3. Quantity: 4

E. Mirrors: Mirrors

1. Bobrick Model B-165
2. Bradley Model 781 Series
3. Frame: Stainless steel channel.
4. Hangers: Produce rigid, tamper and theft-resistant installation using method indicated below.
5. One-piece, galvanized steel, wall-hanger device with spring-action locking mechanism to hold mirror unit in position with no exposed screws or bolts.
6. Size: As shown on drawings.
7. Qty: 3

F. Recessed Sanitary Napkin Disposal

1. Basis of Design: Bobrick B-35303
2. Recessed sanitary napkin disposal shall be type-304 stainless steel with all-welded construction; exposed surfaces shall have satin finish. Front of sanitary napkin disposal door shall have curved profile with radiused corners and edges. Door shall be self-closing, one-piece, seamless construction; secured to cabinet with a spring-loaded, full length stainless steel piano-hinge and equipped with two stainless steel cable door swing limiters, two hooks for retaining receptacle, a finger-pull recess at top for easy opening, and an international graphic symbol identifying sanitary napkin disposal.
3. Qty: 2

G. Recessed Combination Towel Dispenser and Waste Receptacle

1. Basis of Design: Bobrick B-3961
2. Recessed ADA compliant combination towel dispenser and waste receptacle with removable 10.5 gal. stainless steel waste receptacle. Unit shall be fabricated of 22-gauge type-304 stainless steel with exposed surfaces in satin finish. Warp-free towel cabinet door equipped with piano hinge and secured by tumbler lock. Heavy gauge steel roll towel dispenser for most non-perforated roll towels up to 8" in diameter and 8" wide core sizes from 1-1/2" to 2".
3. Overall Dimensions: 17-1/8"W x 56"H x 8"D
4. Qty: 2

H. Surface Mounted Paper Towel Dispenser (Breakroom 107 and Storage Area 109)

1. Manufacturers

- a. Bobrick Model B-72860
 - b. Bradley Model 2495
 - c. Tork Hand Towel Roll Dispenser, Lever Auto Transfer, Model 84TR
2. Description: Surface-mounted towel dispenser with lever-operated dispensing mechanism will provide an adjustable means to dispense a nominal 2-1/2", 4" or 5" of toweling per stroke. Toweling will only be dispensed with the downward stroke of the lever. Unit shall accommodate one 8" wide paper towel roll and one 4" partial (stub) roll. 1-1/2" core diameter.
- I. Mop/ Broom Holder (Janitor Rooms 106)
- 1. Bobrick Model B-223
 - 2. Mop and broom holder shall be Type-304 stainless steel with satin finish. Unit shall be 24" long with three spring-loaded rubber cam holders.
- L. Hand Dryers
- 1. Manufacturer: Excel Dryer Inc.'Xlerator® Model No. XL-SB'
 - 2. Construction: One piece die-cast zinc alloy cover for surface mounting and automatic time cycle. Motor shall be thermally protected, series commutated, through-flow discharge vacuum motor/blower (5/8 hp / 20,000 rpm) providing air velocity of up to 19,000 fpm. Heating element to be Nichrome wire and mounted inside the blower housing producing an air temperature of up to 135 deg.
 - 3. Control assembly is activated by an infrared optical sensor located next to the air outlet. The dryer shall operate as long as hands are under the air outlet.
 - 4. Qty: 2

2.3 FABRICATION

- A. Only a maximum 1 1/2 inch diameter, unobtrusive stamped logo of manufacturer, as approved by Architect, is permitted on exposed face of toilet or bath accessory units. On either interior surface not exposed to view or back surface, provide additional identification by means of either a printed, waterproof label or a stamped nameplate, indicating manufacturer's name and product model number.
- B. Surface Mounted Toilet Accessories, General: Except where otherwise indicated, fabricate units with tight seams and joints, exposed edges rolled. Hang doors or access panels with continuous stainless steel piano hinge. Provide concealed anchorage wherever possible.
- C. Recessed Toilet Accessories, General: Except where otherwise indicated, fabricate units of all welded construction, without mitered corners. Hang doors or access panels with full length stainless steel piano hinge. Provide anchorage that is fully concealed when unit is closed.
- D. Framed Mirror Units, General: Fabricate frames for glass mirror units to accommodate wood, felt, plastic, or other glass edge protection material. Provide mirror backing and support system that will permit rigid, tamperproof glass installation and prevent accumulation of moisture, as follows:
 - 1. Provide galvanized steel backing sheet, not less than 22 gage (.034 inch) and full mirror size, with non-absorptive filler material. Corrugated cardboard is not an acceptable filler material.
- E. Mirror Unit Hangers: Provide system of mounting mirror units that will permit rigid, tamperproof, and theft proof installation, as follows:
 - 1. Heavy duty wall brackets of galvanized steel, equipped with concealed locking devices requiring special tool to remove.

Delete entire section titled 2.4 FLAT SCREEN TV under **PART 2** PRODUCTS under section titled **SECTION 11 52 00 – AUDIO VISUAL EQUIPMENT**

Replace **PART 2 PRODUCTS** under section titled **SECTION 11 72 53 – MEDICAL TREATMENT EQUIPMENT** with the following:

PART 2 – PRODUCTS

2.1 DEFIBRILLATOR EQUIPMENT

A. Manufacturer (No substitutions): Zoll AED 3 System

2.2 DESCRIPTION

A. Defibrillator is an automatic external defibrillator

B. Features:

1. The AED uses audio and visual prompts
2. Uses detachable defibrillator pads
3. Liquid crystal display with touch screen.

66. Connected Work Zone Notification System, Item SPV.0045.001.

A Description

This special provision describes providing, repositioning, operating, maintaining, monitoring, and removing a Connected Work Zone Notification System (CWZNS) capable of reporting real-time lane closure and location information to Wisconsin 511, and for third party vendors (Mapping, Navigation, Connected Vehicles, etc).

B Materials

B.1 Work Zone Location Marker (Start and End)

Furnish items from the department's approved products list.

B.2 Connected Arrow Board

Furnish items from the department's approved products list.

C Construction

C.1 General

The connected work zone notification system shall be connected to the cloud and provide a data feed compliant with latest the U.S Department of Transportation Work Zone Data Exchange (WZDx) Device Feed specification 4.2 .

Ensure the CWZNS operates continuously when deployed on the project.

Provide a local specialist, to respond to emergency situations within 2 hours of being notified and who is equipped with sufficient resources to correct deficiencies in the connected work zone notification system.

Work zone start location marker shall be placed at the beginning of the work zone at or near the 'Road Work 1 Mile' Sign (W20-1F) per plan or as the engineer directs. The work zone start location marker shall be clearly labeled as a work zone start marker so that it is easily distinguished by field personnel.

Work zone end location marker shall be placed at the end of the work zone at or near the “End Road Work” Sign (G20-2A) per plan or as the engineer directs. The work zone end location marker shall be clearly labeled as an end marker so that it is easily distinguished by field personnel.

Connected Arrow Board shall be placed at the beginning of the lane closure taper per plan or as the engineer directs.

C.2 Testing and Configuration

At least 7 days before the connected work zone notification system is deployed, testing shall be performed with the Engineer to ensure devices are included and responding in the provided WZDx Device Feed. Send email to DOTBTOworkzone@dot.wi.gov to notify BTO that the devices have been turned on.

C.2 Programming

The work zone start location marker shall be able to be manually and/or remotely switched between ON mode and OFF mode. When switched to the ON mode, the begin location marker shall transmit to the data feed its location and identity as a work zone start location marker

The work zone end location marker shall be able to be manually and/or remotely switched between ON mode and OFF mode. When switched to the ON mode, the work zone end location marker shall transmit to the data feed its location and identity as a work zone end location marker.

Connected Arrow Board shall be switched between the following displays per the plan:

- Blank
- Flashing Left Arrow
- Flashing Right Arrow

When the connected arrow board is not displaying the flashing left or right arrow, the display shall be blank and the connected arrow board shall make transmissions to the data feed. When a connected arrow board is switched to Flashing Left Arrow mode or Flashing Right Arrow mode, the display shall flash accordingly, and the connected arrow board shall transmit its location and its current operating mode to the data feed.

The CWZNS devices and their remote management software shall provide a public GeoJSON/API feed, updated at least every minute, compliant with FHWA’s Work Zone Data Exchange (WZDx) v4.2 (<https://www.transportation.gov/data/wzdx>) Device Feed specification.

When temporary traffic control is removed and the normal traveled way is restored, work zone start location marker and work zone end location marker shall be switched to OFF mode.

C.3 Reporting

The CWZNS shall provide real-time status change alerts to a list of designated personnel via text and/or email. An alert shall be sent each time a CWZNS device is switched between operating modes (i.e., each time a work zone start/end location marker is switched between ON mode and OFF mode; each time a connected arrow board is switched between blank, flashing left arrow mode and flashing right arrow mode), each alert shall include the current operating mode, the previous operating mode, the date and time of the mode switch, and the location (latitude and longitude) of the device at the time of the mode switch.

D Measurement

The department will measure the Connected Work Zone Notification System by number of days. The department will not measure the Connected Work Zone Notification System on days it is not required. The department will deduct one day for each calendar day the Connected Work Zone Notification System is required but out of service for more than 2 hours.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0045.001	Connected Work Zone Notification System	DAY

Schedule of Items

Attached, dated November 6, 2023, are the revised Schedule of Items Pages 1 – 15.

Plan Sheets

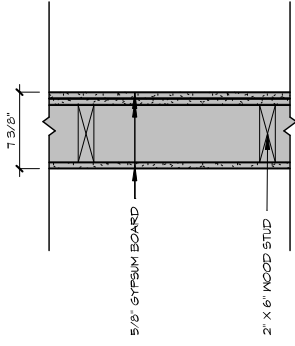
The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:

ID 1022-04-76

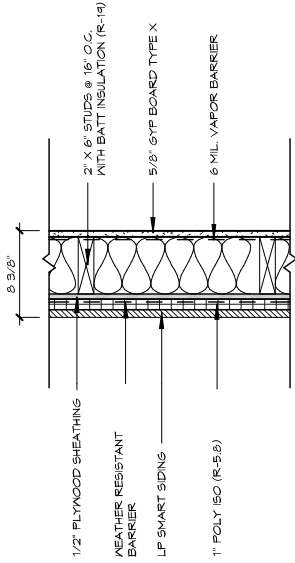
Revised: 146, 148, 149, 151, 152, 154 – 156, 162, 164, 167, 168, 171, 175, 177, 181, 188 – 208, 280, 282, and 403

END OF ADDENDUM

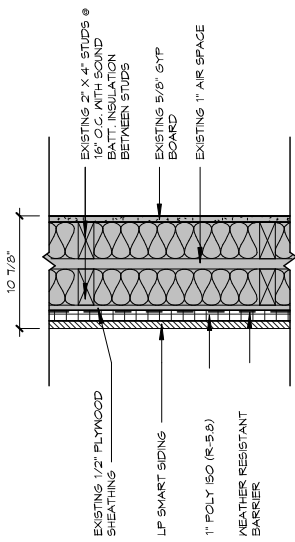
Addendum No. 01
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 November 6, 2023



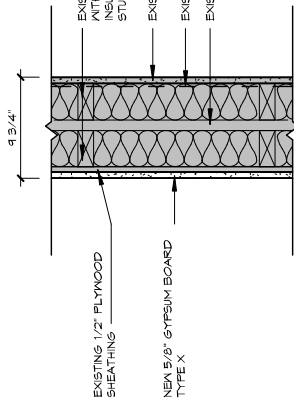
(C) WALL TYPE
 EXISTING - INTERIOR PLUMBING WALL



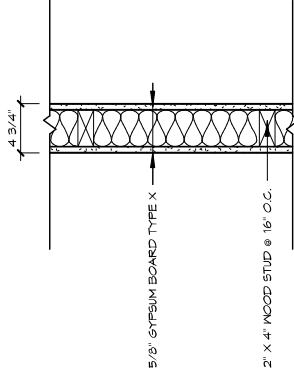
(B) WALL TYPE
 NEW - EXTERIOR WALL



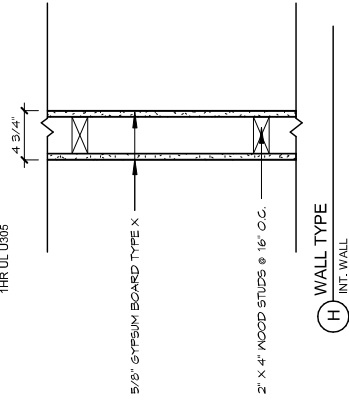
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 EXISTING - EXTERIOR WALL



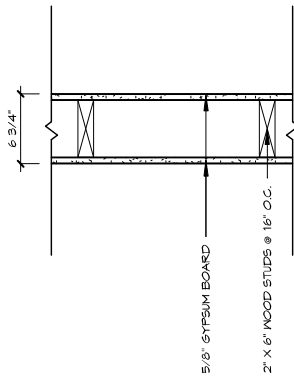
(E) WALL TYPE
 EXISTING - INT. BEARING WALL



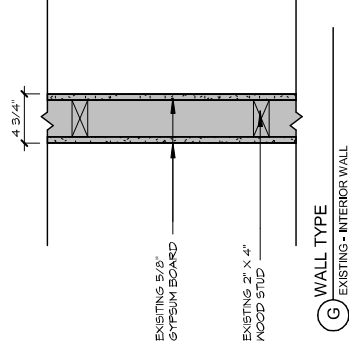
(E) WALL TYPE
 INT. WALL - 1HR UL U365



(H) WALL TYPE
 INT. WALL



(D) WALL TYPE
 NEW - INTERIOR PLUMBING WALL



(G) WALL TYPE
 EXISTING - INTERIOR WALL

WALL GENERAL NOTES:

- PROVIDE TYPE X GYPSUM BOARD AT FIRE RATED STUD PARTITIONS.
- PROVIDE TILE BACKER BOARD AT AREAS INDICATED ON ROOM FINISH SCHEDULE TO RECEIVE WALL TILE.
- PROVIDE MOISTURE RESISTANT GYPSUM BOARD AT ALL NON-TILED HOUSEKEEPING & OTHER POTENTIALLY WET AREAS.
- SEAL ALL WALL PENETRATIONS AT PERIMETER AND FIRESTOP ALL FIRE RATED PARTITIONS.

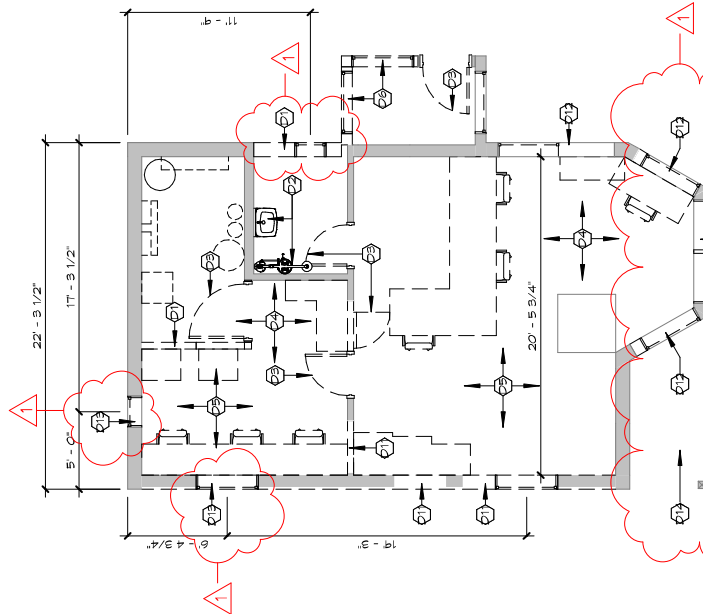
Addendum No. 1
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 November 2, 2023

PLANS PREPARED BY: VANTAGE ARCHITECTS, INC. LA CROSSE, WI	WALL TYPES	DATE: 8/1/2023	FINAL
STATE PROJECT NUMBER: 1022-04-76	COUNTY: DUNN	SHEET NO: A003	146
MEMORIE SWEF NO. 63		SCALE:	

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DEMOLITION KEY NOTES

MARK	DESCRIPTION
D1	DEMO EXISTING WALLS, PATCH ADJOINING WALL FOR NEW FINISH, PREP EXISTING FLOOR FOR INSTALLATION OF NEW WALLS AND FLOORING.
D2	REMOVE EXISTING PLUMBING FIXTURE, REFER TO PLUMBING PLANS.
D3	REMOVE EXISTING DOOR, FRAME AND HARDWARE.
D4	REMOVE EXISTING FLOORING, BASE, AND ADHESIVES DOWN TO EXISTING SLAB. PREP FLOOR FOR NEW FLOORING PER MFR. SPECIFICATIONS.
D5	REMOVE EXISTING CASEWORK, SHELVES, ETC. AND DISPOSED OF.
D6	REMOVE EXISTING WOOD FRAMING & GLASS
D7	REMOVE EXISTING FLOORING THIS AREA AND DEMO STAIRS AS REQ. FOR NEW RAMP.
D8	EXISTING BOOT CURB TO REMAIN.
D9	EXISTING DOORS TO BE REMOVED AND SALVAGED TO OWNER PRIOR TO CONSTRUCTION
D10	EXISTING VINYL ASBESTOS FLOORING TO REMAIN. FLOORING CONTRACTOR TO PROVIDE LEVELING COMPOUND PER SPEC. PREP FOR NEW WOOD FLOORING.
D11	DEMO PORTION OF EXIST. WALL AS REVISED FOR NEW DOOR OPENING.
D12	REMOVE EXISTING WINDOWS AND DEMO PORTIONS OF WALLS AS NEEDED FOR INSTALLATION OF NEW WINDOWS.
D13	REMOVE EXISTING WINDOWS AND INFILL WALL TO MATCH ADJACENT FINISHES, PATCH AND REPAIR AS REQUIRED
D14	REMOVE EXISTING CONCRETE LANDING AND STEP.



1 1ST FLOOR DEMO PLAN
 1/8" = 1'-0"
 0 2 4 6 8 16
 SCALE: 1/8"=1'-0"

DEMOLITION NOTES:








- A. THIS DEMOLITION PLAN DOES NOT PURPORT TO SHOW EVERY EXISTING CONDITION OR ITEM THAT WILL BE NECESSARY AS PART OF THE DEMOLITION WORK. THE CONTRACTOR SHALL EXAMINE ALL DRAWINGS TO DETERMINE SCOPE OF DEMOLITION WORK REQUIRED TO COMPLETE THE REMODELING WORK INDICATED ON THE DRAWINGS.
- B. ALL LOOSE FURNISHINGS (CHAIRS, TABLES, COUNTERS, ETC.) SHALL BE REMOVED AND REPLACED WITH NEW.
- C. ALL SAW CUTTING OF EXISTING CONCRETE FLOOR SLAB REQUIRED FOR UNDERGROUND WORK SHALL BE PERFORMED BY THAT TRADE CONTRACTOR.
- D. ALL CORING THRU EXISTING FLOORS, WALLS & CEILINGS SHALL BE PERFORMED BY THE CONTRACTOR REQUIRING THE SAME.
- E. ALL ADJACENT SURFACES DAMAGED BY DEMOLITION WORK SHALL BE RESTORED TO EXISTING CONDITION.
- F. ALL ROOF PENETRATIONS SHALL BE PERFORMED BY THE TRADE REQUIRING THE SAME. PATCHING AND FLASHING ROOF SHALL BE PERFORMED BY THE ROOFING CONTRACTOR.
- G. VERIFY WITH OWNER FOR ITEMS TO BE SALVAGED BEFORE STARTING DEMOLITION WORK.
- H. COORDINATE DEMOLITION OF LOAD BEARING WALLS WITH STRUCTURAL PLANS.
- J. CONSTRUCT DUST PROOF PARTITIONS TO SEPARATE AREAS OF CONSTRUCTION FROM ADJACENT OCCUPIED AREAS OUTSIDE SCOPE OF CONSTRUCTION.
- K. EXISTING FINISHES TO BE REMOVED SHALL HAVE THE ORIGINAL SUBSTRATE PREPARED OR REPLACE TO RECEIVE NEW FINISHES.
- L. PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS, DIMENSIONS, PRODUCTS TO BE USED AND QUANTITIES REQUIRED.
- M. PATCH AND REPAIR FLOOR IN PREPARATION FOR NEW FLOORING WHERE WALLS HAVE BEEN REMOVED.
- O. REMOVAL OF EXISTING CABINETS AND CASEWORK AND REPLACE WITH NEW.
- P. COORDINATE REMOVAL OF EXISTING DOORS, FRAMES AND HARDWARE WITH OWNER. SALVAGE OR REMOVE AS DIRECTED.
- Q. WHERE WALLS OR PARTITIONS ARE INDICATED TO BE REMOVED, REMOVE ENTIRE WALL OR PARTITION AS WELL AS DUCTS, PIPING, CONDUITS AND OTHER ELEMENTS IN OR ON THEM WHICH MAY OR MAY NOT BE SPECIFICALLY IDENTIFIED, UNLESS NOTED OTHERWISE. COORDINATE WITH OWNER ALL EQUIPMENT TO BE SALVAGED.

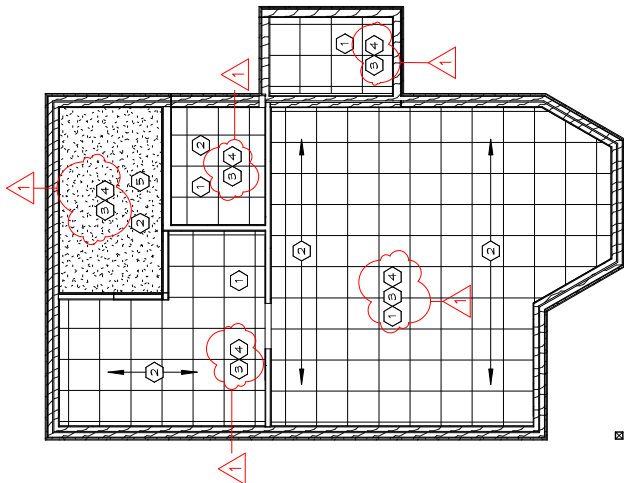
PLANS PREPARED BY: VANTAGE ARCHITECTS, INC. LA. CROSSE, WI	DEMOLITION FLOOR PLAN	DATE: 8/1/2023	FINAL
STATE PROJECT NUMBER: 1022-04-76	MEMORIE SWEF NO. 63	SHEET NO: A005	148
COUNTY: DUNN	SCALE:		

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REFLECTED CEILING
 PLAN SYMBOLS LEGEND

-  EXISTING RECESSED 2x2 LIGHT FIXTURE
-  SURFACE MT. LIGHT FIXTURE
-  RECESSED CAN LIGHT FIXTURE
-  PENDANT LIGHT FIXTURE
-  SURFACE MT. LIGHT FIXTURE
-  SUSPENDED TILE CEILING
-  EXISTING PLASTER CLG.



DEMOLITION RCP KEY NOTES

MARK	DESCRIPTION
1	REMOVE EXISTING SUSPENDED CEILING TILE, T-GRID, WALL ANGLES AND HANGER WIRE.
2	ALL EXISTING LIGHT FIXTURES TO BE REGISTERED AND REMOVED BY ELECTRICAL CONTRACTOR. ALL FIXTURES AND LAMPS TO BE DISPOSED OF OFF SITE.
3	REFER TO HVAC DEMOLITION PLAN FOR REMOVAL OF DIFFUSERS AND GRILLES TYPICAL ALL ROOMS UN.O.
4	REFER TO ELECTRICAL DEMOLITION PLAN FOR REMOVAL OF CEILING MOUNTED ELECTRICAL AND/OR FIRE DETECTION DEVICES. TYPICAL ALL ROOMS, UN.O.
5	EXISTING CEILING TO REMAIN.



1 DEMO REFLECTED CEILING PLAN

1/8" = 1'-0" 0 2 4 6 8 16

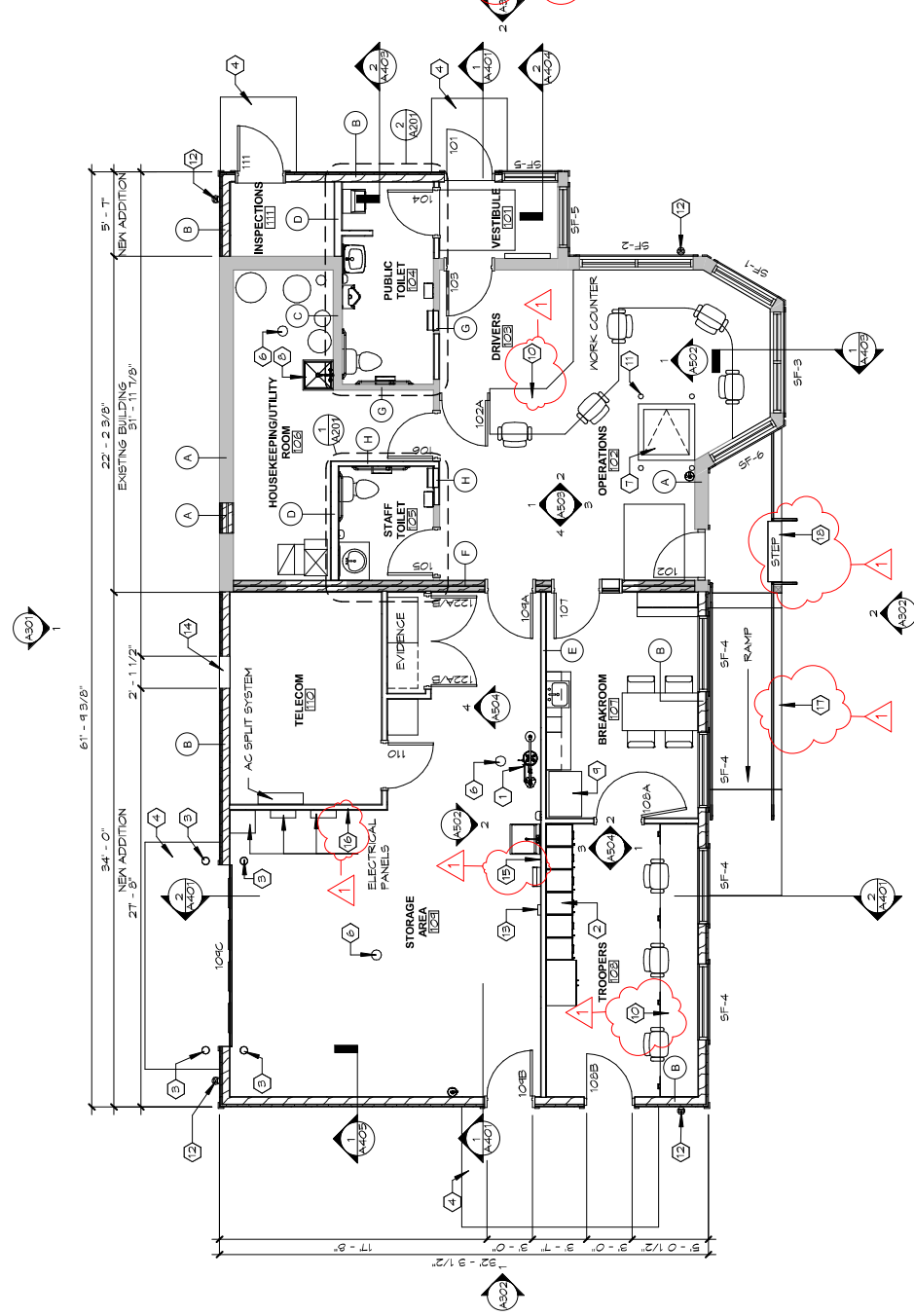
SCALE: 1/8"=1'-0"

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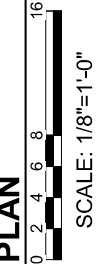
PLANS PREPARED BY: VANTAGE ARCHITECTS, INC. LA CROSSE, WI	REFLECTED CEILING DEMO PLAN	DATE: 8/1/2023	FINAL
STATE PROJECT NUMBER: 1022-04-76	MENOMONIE SWEF NO. 63	SHEET NO: A006	149
COUNTY: DUNN		SCALE:	

MARK	DESCRIPTION
1.	EMERGENCY EYEWASH/SHOWER
2.	METAL LOCKERS, SEE DETAIL 1/A605
3.	PIPE BOLLARD, SEE DETAIL 2/G202
4.	CONCRETE FROST STOOP APRON BY GENERAL BUILDING CONTRACTOR
5.	LARGE SCREEN TV W/ QUICK CONNECT PANEL
6.	FLOOR DRAIN REFER TO PLUMBING PLANS
7.	EXISTING TUNNEL HATCH ENTRANCE
8.	MOP BASIN, REFER TO PLUMBING PLANS
9.	REFRIGERATOR, SEE SPEC.
10.	SOLID SURFACE COUNTERTOP SEE DETAILS
11.	GUARD RAIL STANCHION SOCKET
12.	3X4 METAL DOWNSPOUT DISCHARGE INTO STORM PIPE
13.	HOSE BIB, SEE PLUMBING PLANS
14.	CABLE ENTRY PORT REFER TO ELECTRICAL FOR EXACT LOCATION, INSTALL PER MANUFACTURER'S RECOMMENDATIONS
15.	86"X 48" H FRP PANEL BEHIND UTILITY SINK, SEE ROOM FINISH SCHEDULE
16.	PROVIDE 48" X 36" THICK 5/8" WOOD PAINTED ALONG ENTIRE ALL ASH, ELECTRIC PANEL WALL
17.	SEE RAMP SECTIONS SHEET 1506 FOR DETAILS AND STRUCTURAL RAMP SECTIONS SHEET 1506
18.	NEW REINFORCED CONCRETE LANDING AND STEP.

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 November 6, 2023



1 1ST FLOOR PLAN
 1/8" = 1'-0"
 SCALE: 1/8"=1'-0"



Addendum No. 1
 Revised Sheet 151
 November 2, 2023

PLANS PREPARED BY: VANTAGE ARCHITECTS, INC. LA CROSSE, WI	1ST FLOOR PLAN	DATE: 8/1/2023	FINAL
STATE PROJECT NUMBER: 1022-04-76	MENOMONIE SWEF NO. 63	SHEET NO: A102	151
HWY: IH 94	COUNTY: DUNN	SCALE:	

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ROOF NOTES

- A. FIELD VERIFY EXACT QUANTITY, SIZE AND LOCATIONS OF ROOF HOODS, VENTS, DRAINS, EQUIPMENT, ETC.
- B. ALL VENT-THRU PIPES SHALL BE EXTENDED AS NECESSARY TO PROTECT MINIMUM OF 12" ABOVE FINISHED ELEVATION OF ROOFING. FLASH ALL VENTS WITH PREWOLDED PIPE BOOTS WITH STAINLESS STEEL CLAMPING RING. ROUTE TO BACK SIDE OF RIDGE - EAST SIDE.
- C. ALL ROOF TOP CURBS TO BE SADDLES WITH MINIMUM 1/2" PER FOOT FITCH

ROOF VENTILATION

OVERALL ATTC AREA = 2,611 SQ. FT.
 2,611 SQ. FT. / 300 = 8.7 SQ. FT. OF VENTING REQUIRED
 SOFFITS VENTING = 5.2 SQ. FT. REQUIRED
 RIDGE VENTING = 3.5 SQ. FT. REQUIRED

NOTE: MAINTAIN RATIO OF 60% SOFFIT VENTING AND 40% RIDGE VENTING
 DISTRIBUTE VENTING EQUALLY AROUND PERIMETER OF SOFFIT

DOWNSPOUT CALCULATIONS

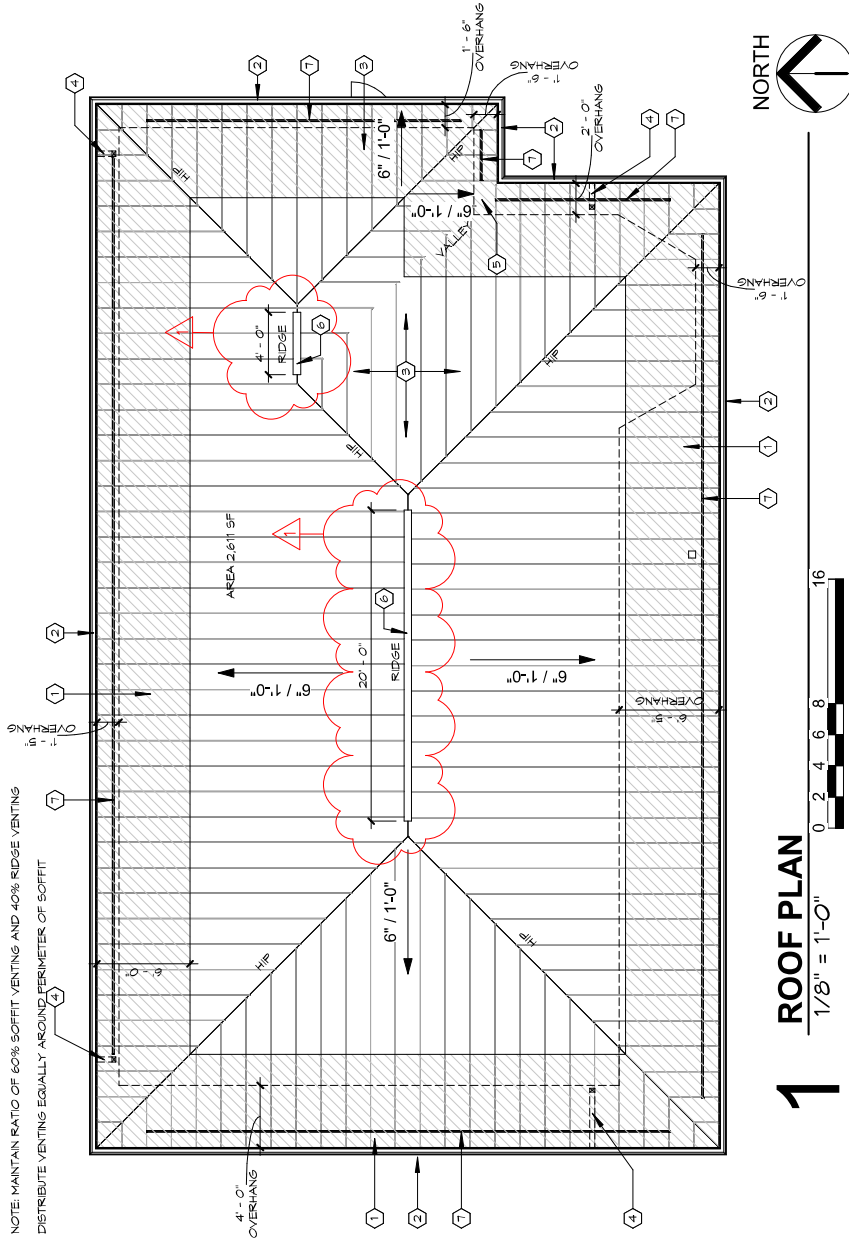
ROOF AREA 2,611 SQ. FT.
 ACCORDING TO WISCONSIN CODE
 2,611 SQ. FT. / 26 SQ. PER GALLON OF STORMWATER = 101 GPM
 101 GPM REQUIRES MINIMUM 6" DIAMETER PIPE
 ACCORDING TO ARCHITECTURAL STANDARDS
 2,611 SQ. FT. / 200 = 13.06 IN. SQ. REQUIRED
 DOWNSPOUTS TO MEET REQUIREMENTS: (4) 3"x4" = 48 IN. SQ.

ROOF SYMBOLS LEGEND

- INDICATES ROOF DRAIN. REFER TO PLUMBING PLANS & DETAILS.
- INDICATES OVERFLOW ROOF DRAIN. REFER TO PLUMBING PLANS
- VENT THRU ROOF
- EXHAUST FAN
- BOILER EXHAUST
- ROOF HOOD
- INDICATES SLOPE DIRECTION OF ROOF AND TAPERED INSULATION
- NEW ROOFING
- EXISTING ROOF

ROOF PLAN KEY NOTES

MARK	DESCRIPTION
1	PROVIDE 3 COURSES OF ICE & WATER SHIELD UNDERLAYMENT AT PERIMETER (TYPICAL)
2	REFINISHED ALUMINUM GUTTER & FASCIA SEE DETAIL
3	REFINISHED STANDING SEAM METAL ROOFING SEE SPEC FOR FINISH
4	DOWNSPOUT LOCATION
5	VALLEY FLASHING, 4" ICE & WATER SHIELD SEE DETAIL 2/AAS7
6	VENTGO RIDGE VENT 13 #12051 EQUALS 23.40 SQ. INCHES PER LINEAR FOOT, 3.5 SQ. FT./23.4 SQ. IN = 22 LINEAR FEET OF VENT
7	SNOW RETENTION BARS SEE 1/AAS7



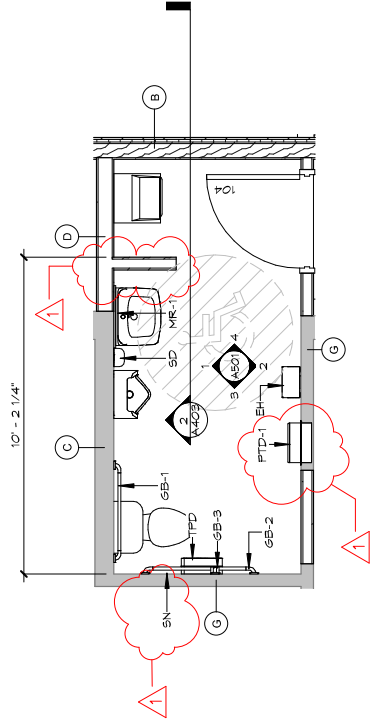
1 ROOF PLAN

1/8" = 1'-0"
 SCALE: 1/8"=1'-0"

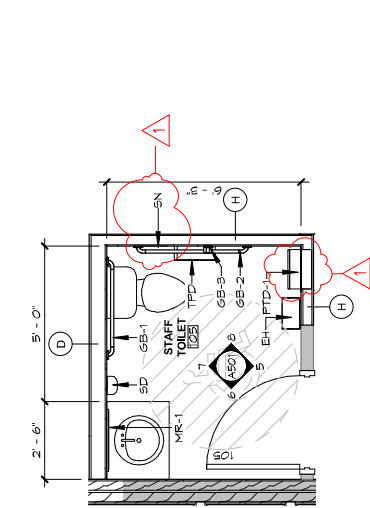
PLANS PREPARED BY: VANTAGE ARCHITECTS, INC. LA CROSSE, WI	ROOF PLAN	DATE: 8/1/2023	FINAL
STATE PROJECT NUMBER: 1022-04-76	COUNTY: DUNN	SHEET NO.: A103	152
HWY: IH 94	MEMOMONIE SWEF NO. 63	SCALE:	

Addendum No. 1
 ID 1022-04-76
 Revised Sheet 152
 November 2, 2023

Addendum No. 01
 ID 1022-04-76
 Revised Sheet 154
 November 6, 2023



1 ENLARGED TOILET ROOM 105
 1/4" = 1'-0"
 SCALE: 1/4"=1'-0"



2 ENLARGED TOILET ROOM 104
 1/4" = 1'-0"
 SCALE: 1/4"=1'-0"

ACCESSORY		TOILET ROOM ACCESSORY SCHEDULE	
MARK	NAME	MOUNTING REMARKS	FINISHED & INSTALLED
EB-1	ELECTRIC HAND DRYER	WALL MOUNTED, PROVIDE BLOCKING AS REQ. REFER TO A004 FOR MOUNTING HEIGHTS.	CONTRACTOR FINISHED, CONTRACTOR INSTALLED
GB-1	36" GRAB BAR	WALL MOUNTED, PROVIDE BLOCKING AS REQ. REFER TO A004 FOR MOUNTING HEIGHTS.	CONTRACTOR FINISHED, CONTRACTOR INSTALLED
GB-2	42" GRAB BAR	WALL MOUNTED, PROVIDE BLOCKING AS REQ. REFER TO A004 FOR MOUNTING HEIGHTS.	CONTRACTOR FINISHED, CONTRACTOR INSTALLED
GB-3	VERTICAL GRAB BAR (18" MIN)	WALL MOUNTED, PROVIDE BLOCKING AS REQ. REFER TO A004 FOR MOUNTING HEIGHTS.	CONTRACTOR FINISHED, CONTRACTOR INSTALLED
NR-1	24" X 36" FRAMED MIRROR	WALL MOUNTED, PROVIDE BLOCKING AS REQ. REFER TO A004 FOR MOUNTING HEIGHTS.	CONTRACTOR FINISHED, CONTRACTOR INSTALLED
FTD-1	PAPER TOWEL DISPENSER - RECESSED	WALL MOUNTED, PROVIDE BLOCKING AS REQ. REFER TO A004 FOR MOUNTING HEIGHTS.	CONTRACTOR FINISHED, CONTRACTOR INSTALLED
SD	LIQUID SOAP DISPENSER - SURFACE MOUNT	WALL MOUNTED, PROVIDE BLOCKING AS REQ. REFER TO A004 FOR MOUNTING HEIGHTS.	CONTRACTOR FINISHED, CONTRACTOR INSTALLED
EH-1	SANITARY NAPKIN DISPOSAL - RECESSED	WALL MOUNTED, PROVIDE BLOCKING AS REQ. REFER TO A004 FOR MOUNTING HEIGHTS.	CONTRACTOR FINISHED, CONTRACTOR INSTALLED
TPD	TOILET PAPER DISPENSER	WALL MOUNTED, PROVIDE BLOCKING AS REQ. REFER TO A004 FOR MOUNTING HEIGHTS.	CONTRACTOR FINISHED, CONTRACTOR INSTALLED

Addendum No. 1
 ID 1022-04-76
 Revised Sheet 154
 November 2, 2023

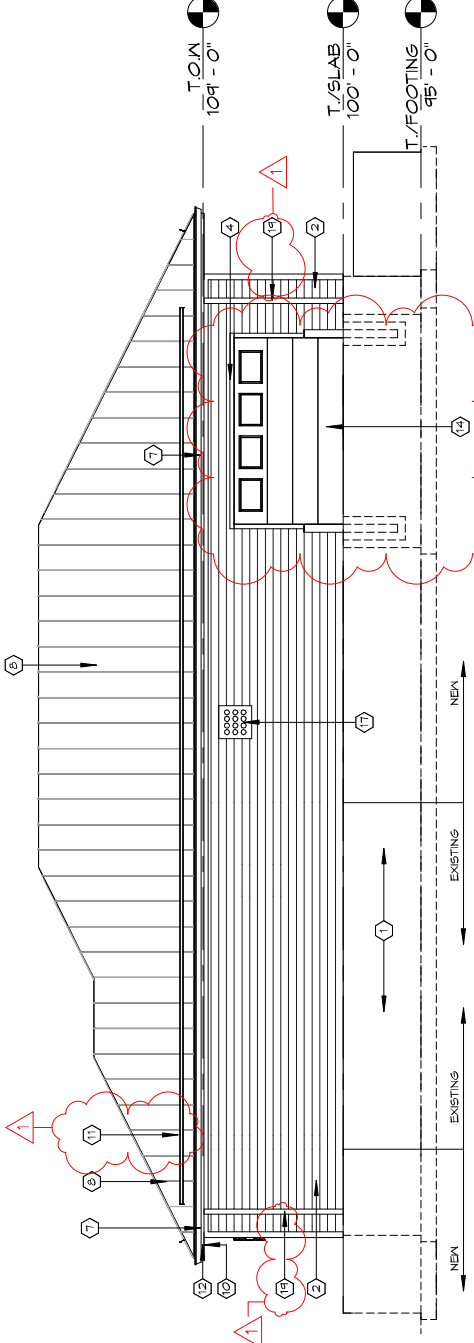
EXTERIOR ELEVATION KEY NOTES

MARK	DESCRIPTION
1	CAST-IN-PLACE CONCRETE FOUNDATION. SEE STRUCTURAL PLANS.
2	LP SMART LAP SIDING
3	LP SMART SIDE SMOOTH FASCIA
4	LP SMART SIDE TRIM BOARD. NOTE: CUT TO FIT.
5	ALUMINUM WINDOW W/ INSULATED GLAZING
6	ALUMINUM STOREFRONT ENTRANCE W/ INSULATED GLAZING.
7	REFINISHED METAL GUTTER/DOWNSPOUT.
8	STANDING SEAM METAL ROOFING
9	HIGH CAPACITY DOME ROOF VENTS. SEE ROOF PLAN.
10	PRE. FIN. METAL SOFFIT
11	CONTINUOUS STRIPS OF SNOW GUARDS
12	PRE. FIN. METAL FASCIA
13	REFER TO STRUCTURAL FOR RAMP AND STAIRS
14	STEEL INSULATED GARAGE DOOR W/ REMOTE
15	RAILING. SEE DETAIL 17/6203
16	BOLLARD. SEE DETAIL 21/6202
17	CABLE ENTRY PORT REFER TO ELECTRICAL FOR EXACT LOCATION. INSTALL PER MANUFACTURER'S RECOMMENDATIONS
18	6 1/2" CAST ALUMINUM LETTERS SEE SPEC FOR FINISH.
19	DOWNSPOUT LOCATION - DISCHARGE INTO STORM PIPE

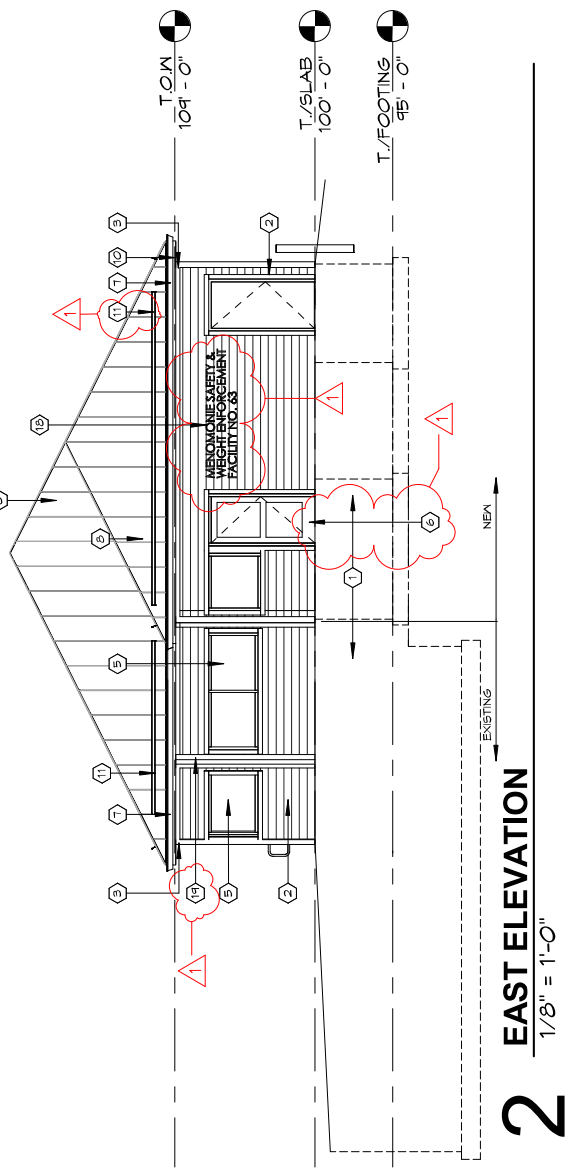
EXTERIOR ELEVATION NOTES

- A. FOUNDATION WALLS AND FOOTINGS SHOWN DASHED ARE INDICATED FOR REFERENCE ONLY. SEE STRUCTURAL PLANS FOR DEPTH AND SIZE OF FOOTINGS AND LOCATIONS WHERE FOOTINGS AND FOUNDATIONS STOP.
- B. SEE FLOOR PLAN FOR WINDOW TYPE KEYS.
- C. CONTROL JOINT SEALANT TO MATCH VENEER COLOR.

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ID 1022-04-76
Revised Sheet 155
November 6, 2023



1 NORTH ELEVATION
1/8" = 1'-0"

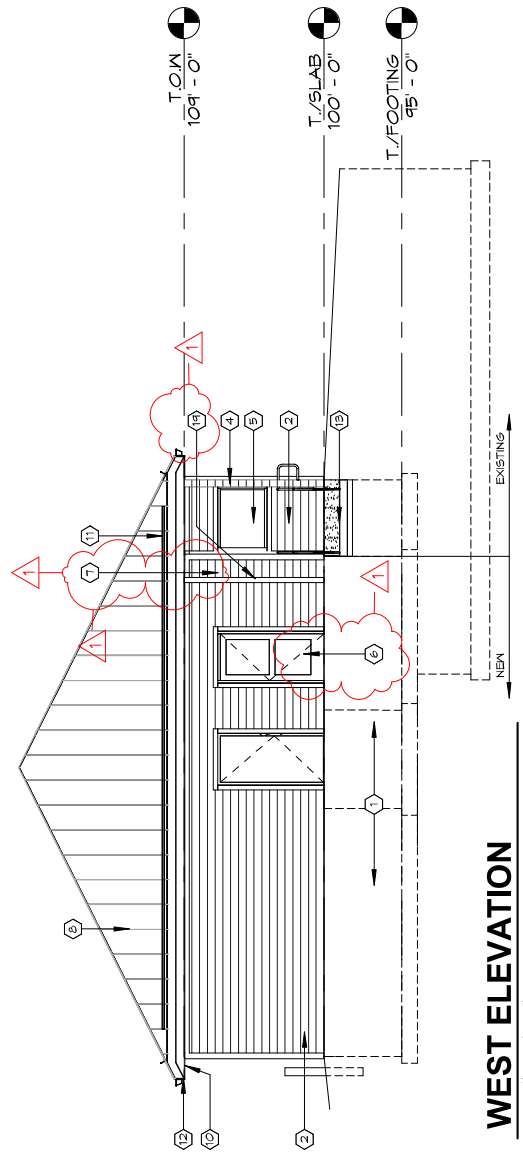


2 EAST ELEVATION
1/8" = 1'-0"

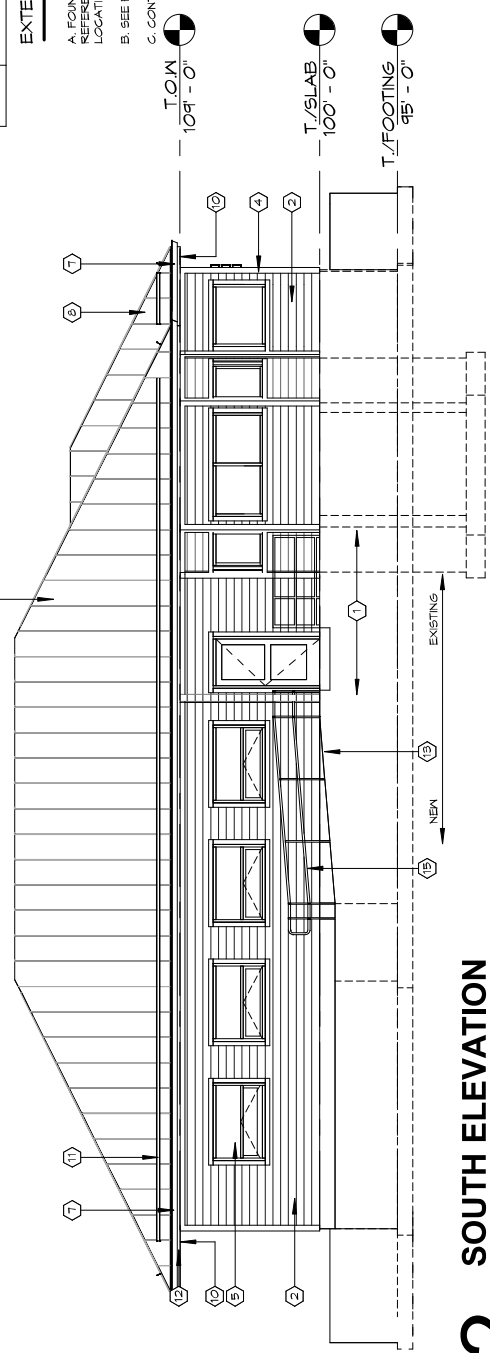
Addendum No. 1
Revised Sheet 155
November 2, 2023

PLANS PREPARED BY: VANTAGE ARCHITECTS, INC. LA CROSSE, WI	EXTERIOR ELEVATIONS	DATE: 8/1/2023	FINAL
STATE PROJECT NUMBER: 1022-04-76	MENOMONIE SWEF NO. 63	SHEET No: A301	155
HWY: IH 94	COUNTY: DUNN	SCALE:	

EXTERIOR ELEVATION KEY NOTES	
MARK	DESCRIPTION
1	CAST-IN-PLACE CONCRETE FOUNDATION. SEE STRUCTURAL PLANS.
2	LP SMART LAP SIDING
3	LP SMART SIDE SMOOTH FASCIA
4	LP SMART SIDE TRIM BOARD. NOTE: CUT TO FIT.
5	ALUMINUM WINDOW W/ INSULATED GLAZING
6	ALUMINUM STOREFRONT ENTRANCE W/ INSULATED GLAZING.
7	REFINISHED METAL GUTTER/DOWNSPOUT.
8	STANDING SEAM METAL ROOFING
9	HIGH CAPACITY DOME ROOF VENTS. SEE ROOF PLAN.
10	PRE FIN METAL SOFFIT
11	CONTINUOUS STRIPS OF SNOW GUARDS
12	PRE FIN METAL FASCIA
13	REFER TO STRUCTURAL FOR RAMP AND STAIRS
14	STEEL INSULATED GARAGE DOOR W/ REMOTE
15	RAILING. SEE DETAIL 1/6/203
16	BOLLARD. SEE DETAIL 2/6/203
17	CABLE ENTRY PORT REFER TO ELECTRICAL FOR EXACT LOCATION. INSTALL PER MANUFACTURER'S RECOMMENDATIONS
18	6 1/2" CAST ALUMINUM LETTERS SEE SPEC FOR FINISH.
19	DOWNSPOUT LOCATION - DISCHARGE INTO STORM PIPE



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



2 SOUTH ELEVATION
1/8" = 1'-0"

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ID 1022-04-76
Revised Sheet 156
November 6, 2023

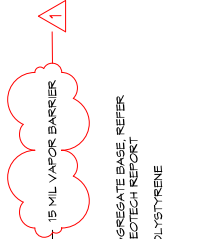
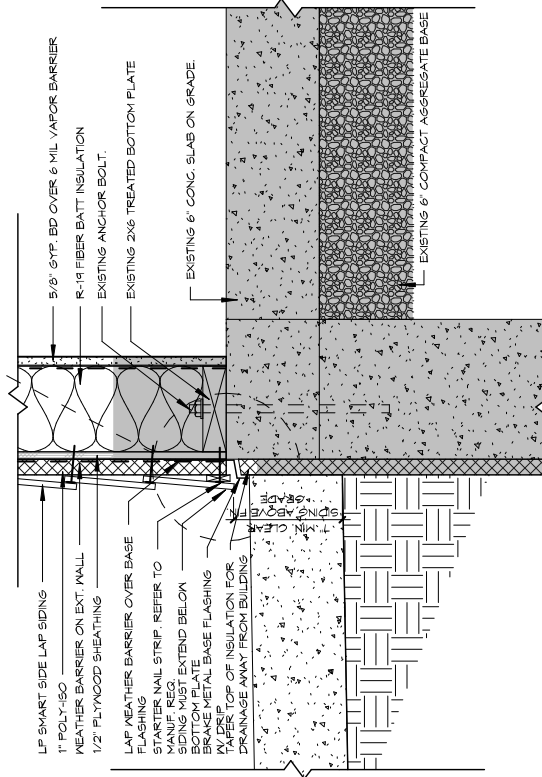
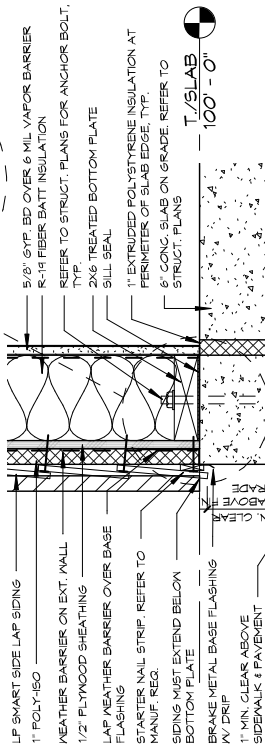
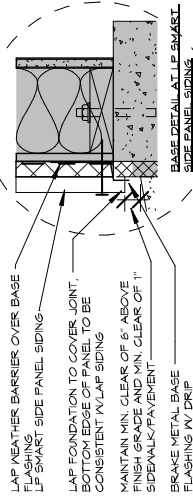
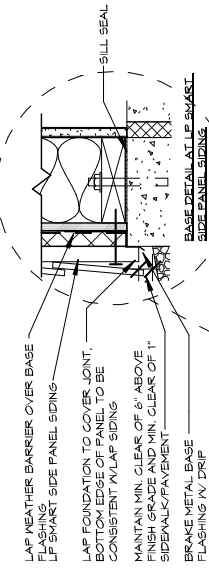
EXTERIOR ELEVATION NOTES

- A. FOUNDATION WALLS AND FOOTINGS SHOWN DASHED ARE INDICATED FOR REFERENCE ONLY. SEE STRUCTURAL PLANS FOR DEPTH AND SIZE OF FOOTINGS AND LOCATIONS WHERE FOOTINGS AND FOUNDATIONS STOP.
- B. SEE FLOOR PLAN FOR WINDOW TYPE KEYS.
- C. CONTROL JOINT SEALANT TO MATCH VENEER COLOR.

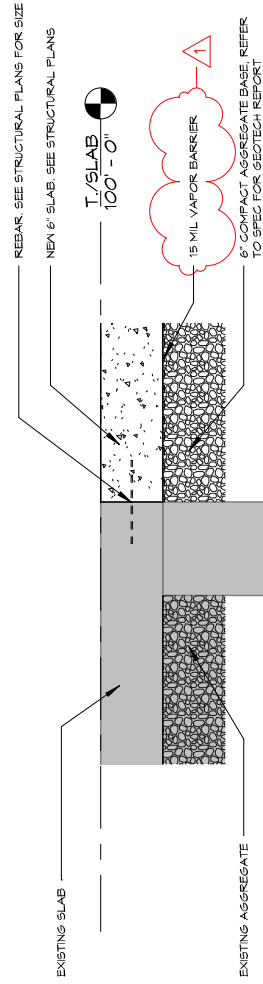
PLANS PREPARED BY: VANTAGE ARCHITECTS, INC. LA CROSSE, WI	EXTERIOR ELEVATIONS	DATE: 8/1/2023	FINAL
STATE PROJECT NUMBER: 1022-04-76	MENOMONIE SWEF NO. 63	SHEET NO: A302	156
COUNTY: DUNN	SCALE:		

Addendum No. 1
ID 1022-04-76
Revised Sheet 156
November 2, 2023

Addendum No. 01
 ID 1022-04-76
 Revised Sheet 162
 November 6, 2023



2 TYP. BASE FLASHING DETAIL
 1 1/2" = 1'-0"

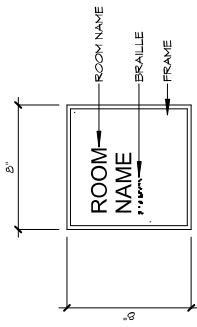


1 TYP. BASE DETAIL AT EXISTING WALL
 1 1/2" = 1'-0"

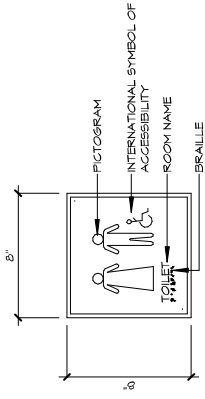
3 EXISTING SLAB TO NEW SLAB CONNECTION
 1" = 1'-0"

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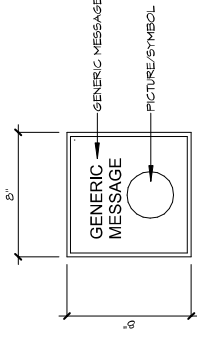
PLANS PREPARED BY: VANTAGE ARCHITECTS, INC. LA CROSSE, WI	COUNTY: DUNN	SCALE: MEMORIE SWEF NO. 63	DATE: 8/1/2023	FINAL
STATE PROJECT NUMBER: 1022-04-76	HWY: IH 94		SHEET No: A406	162



SIGN TYPE A - QTY (6)
STD. ROOM SIGN w/o CUTOUT



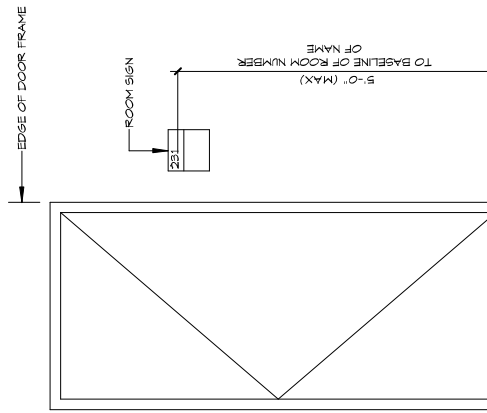
SIGN TYPE B - QTY (2)
SPECIALTY SIGN



SIGN TYPE C - QTY (6)
GENERIC SIGN

1 INTERIOR SIGNAGE

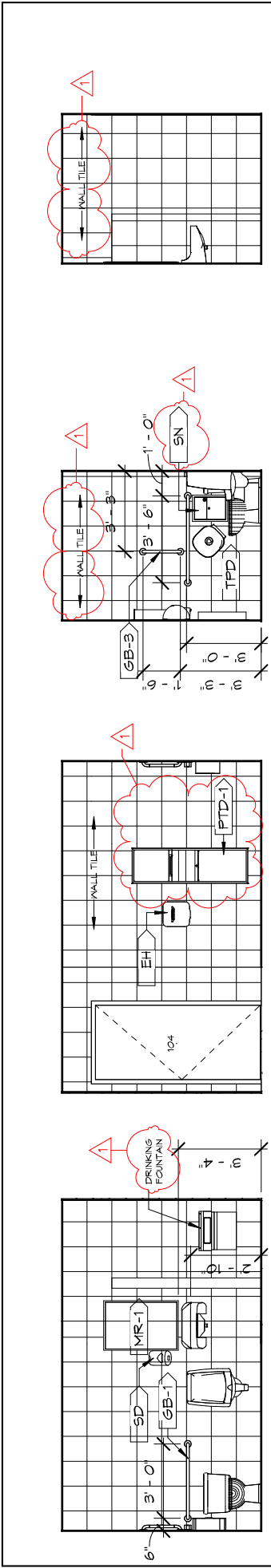
1 1/2" = 1'-0"



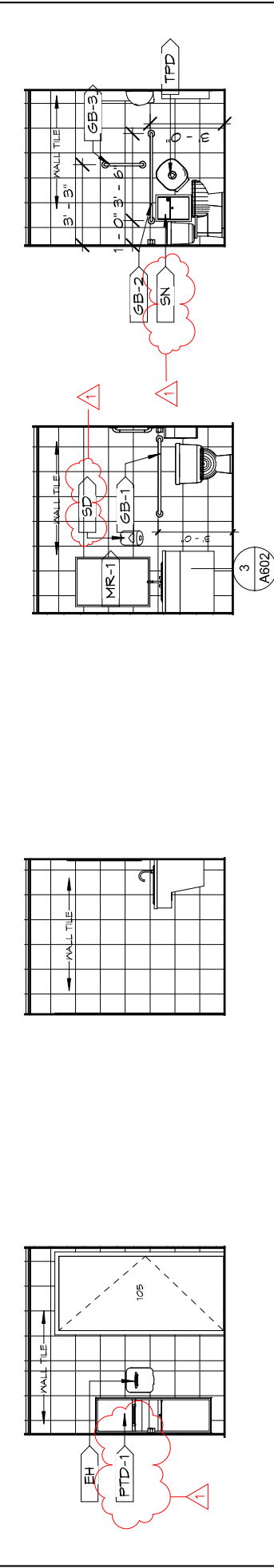
2 TYP. SIGNAGE MOUNTING

1/2" = 1'-0"

PLANS PREPARED BY: VANTAGE ARCHITECTS, INC. LA CROSSE, WI	DETAILS	DATE: 8/1/2023	FINAL
STATE PROJECT NUMBER: 1022-04-76	COUNTY: DUNN	SHEET No.: A408	164
HWY: IH 94	MEMORIE SWEF NO. 63	SCALE:	



1 T.R. #104 NORTH ELEV. $\frac{1}{4}'' = 1'-0''$ **2** T.R. #104 SOUTH ELEV. $\frac{1}{4}'' = 1'-0''$ **3** T.R. #104 WEST ELEV. $\frac{1}{4}'' = 1'-0''$ **4** T.R. #104 EAST ELEV. $\frac{1}{4}'' = 1'-0''$

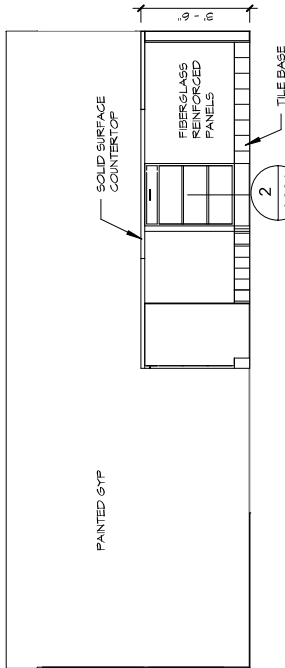


5 T.R. #105 SOUTH ELEV. $\frac{1}{4}'' = 1'-0''$ **6** T.R. #105 WEST ELEV. $\frac{1}{4}'' = 1'-0''$ **7** T.R. #105 NORTH ELEV. $\frac{1}{4}'' = 1'-0''$ **8** T.R. #105 EAST ELEV. $\frac{1}{4}'' = 1'-0''$

Addendum No. 01
ID 1022-04-76
Revised Sheet 167
November 6, 2023

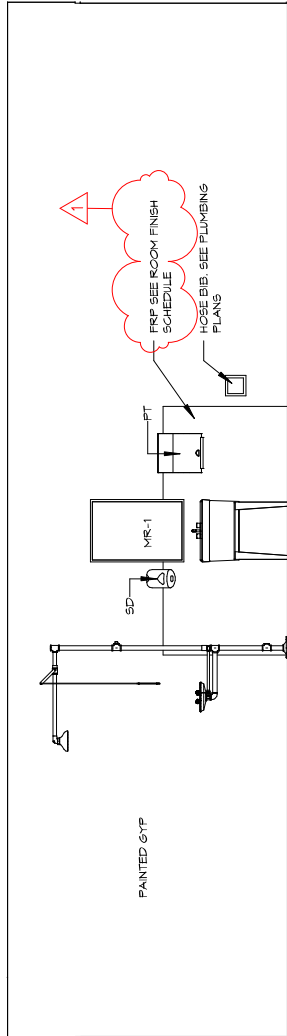
TOILET ROOM ACCESSORY SCHEDULE

MARK	ACCESSORY NAME	INSTALLMENT
EH	ELECTRIC HAND DRYER	CONTRACTOR FINISHED, CONTRACTOR INSTALLED
GB-1	8x7 GRAB BAR	CONTRACTOR FINISHED, CONTRACTOR INSTALLED
GB-2	43" GRAB BAR	CONTRACTOR FINISHED, CONTRACTOR INSTALLED
GB-3	VERTICAL GRAB BAR (18" MIN)	CONTRACTOR FINISHED, CONTRACTOR INSTALLED
MR-1	24" X 36" FRAMED MIRROR	CONTRACTOR FINISHED, CONTRACTOR INSTALLED
PTD-1	PAPER TOWEL DISPENSER - RECESSED	CONTRACTOR FINISHED, CONTRACTOR INSTALLED
SD	LIQUID SOAP DISPENSER - SURFACE MOUNT	CONTRACTOR FINISHED, CONTRACTOR INSTALLED
SN	SANITARY NAPKIN DISPOSAL - RECESSED	CONTRACTOR FINISHED, CONTRACTOR INSTALLED
TPD	TOILET PAPER DISPENSER	CONTRACTOR FINISHED, CONTRACTOR INSTALLED



1 OPERATIONS ELEVATION

1/4" = 1'-0"



2 STORAGE AREA ELEVATION

1/4" = 1'-0"

ACCESSORY SCHEDULE	
MARK	NAME
	WASTE RECEPTACLE
MR-1	24" X 36" FRAMED MIRROR
PT	PAPER TOWEL DISPENSER - SURFACE MOUNT
SD	LIQUID SOAP DISPENSER - SURFACE MOUNT

MOUNTING REMARKS	
NONE	FURNISHED & INSTALLED
MR-1	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
PT	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
SD	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED

PLANS PREPARED BY: VANTAGE ARCHITECTS, INC. LA CROSSE, WI

STATE PROJECT NUMBER: 1022-04-76 HWY: IH 94

COUNTY: DUNN

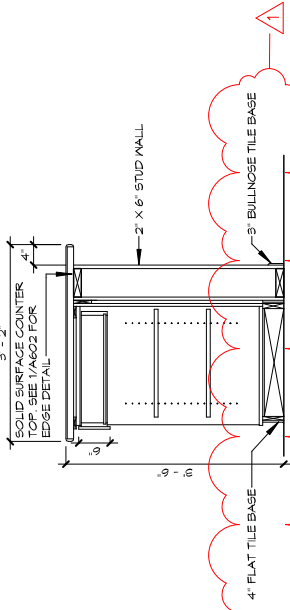
INTERIOR ELEVATIONS

SCALE:

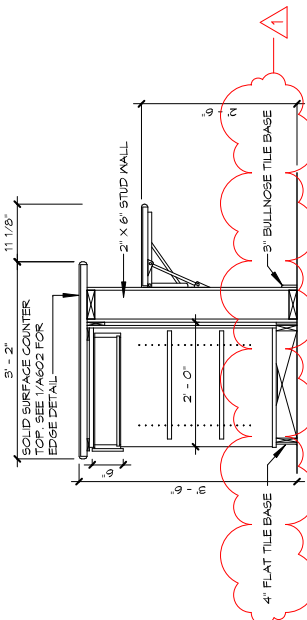
DATE: 8/1/2023

SHEET NO: A502

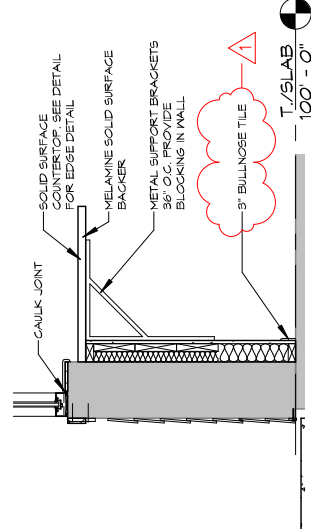
FINAL 168



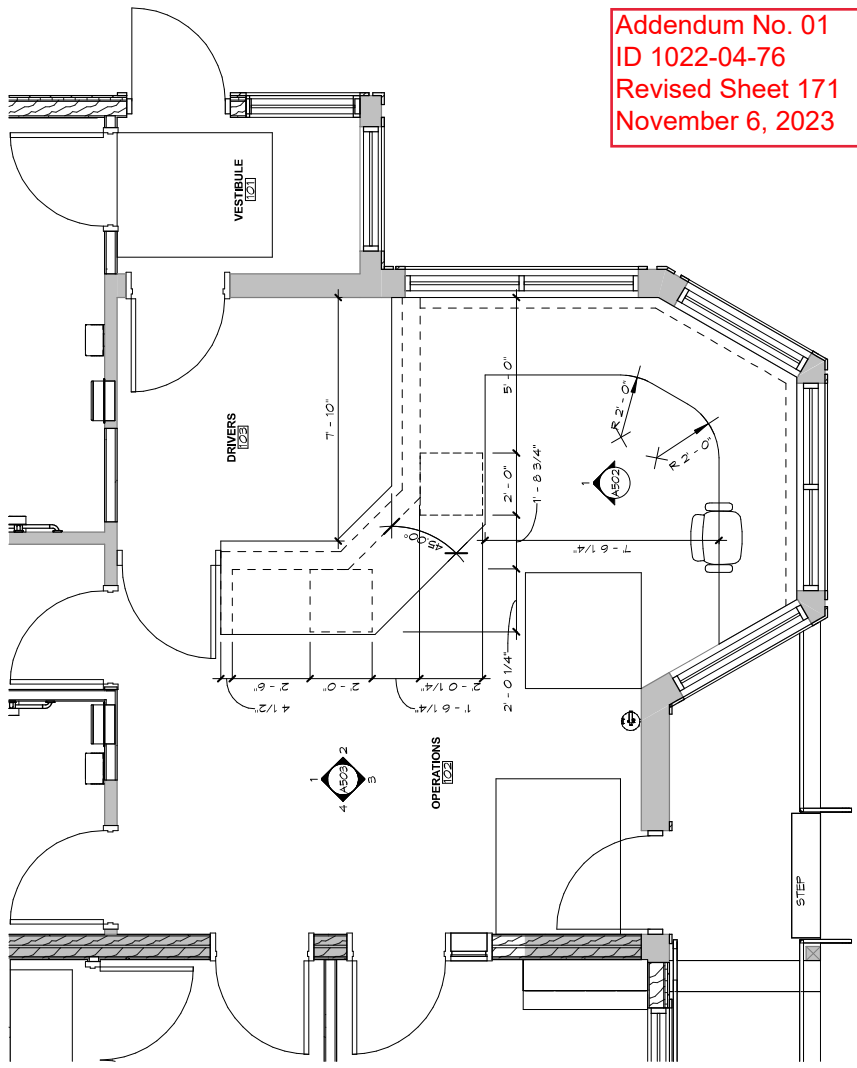
2 SECTION @ TYPICAL COUNTER
1/2" = 1'-0"



3 SECTION @ ADA COUNTER
1/2" = 1'-0"



4 COUNTER SECTION @ 102
1/2" = 1'-0"



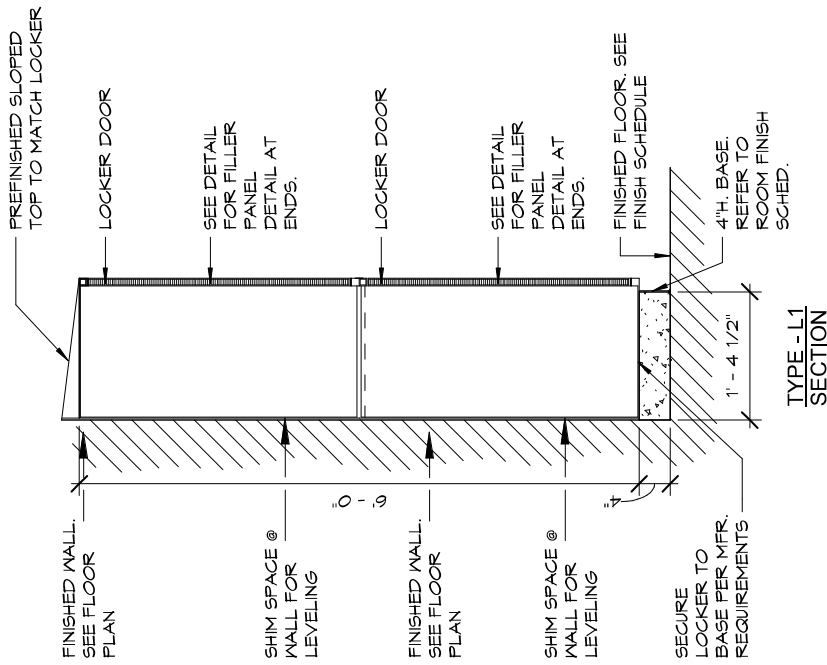
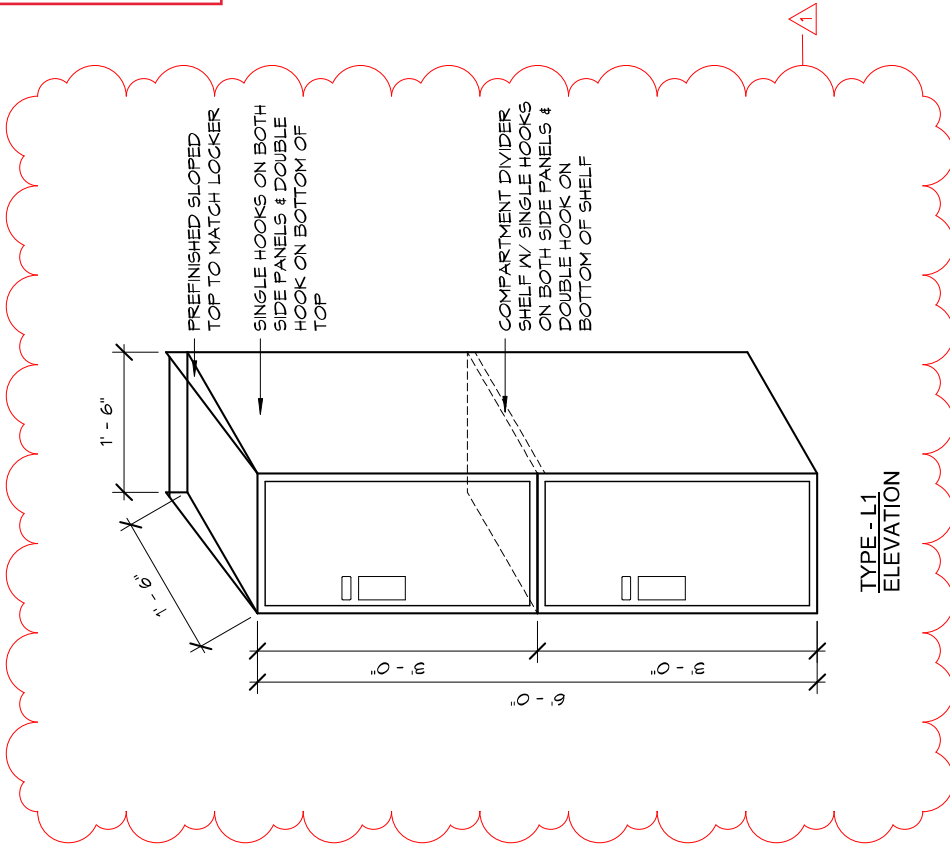
1 1ST FLOOR PLAN
1/4" = 1'-0"

Addendum No. 01
ID 1022-04-76
Revised Sheet 171
November 6, 2023

Addendum No. 1
ID 1022-04-76
Revised Sheet 171
November 2, 2023

PLANS PREPARED BY: VANTAGE ARCHITECTS, INC. LA CROSSE, WI	ARCHITECTURAL MILLWORK	DATE: 8/1/2023	FINAL
STATE PROJECT NUMBER: 1022-04-76	MENOMONIE SWEF NO. 63	SHEET NO: A601	171
COUNTY: DUNN		SCALE:	

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 ID 1022-04-76
 Revised Sheet 175
 November 6, 2023



1 LOCKER DETAIL

3/4" = 1'-0"

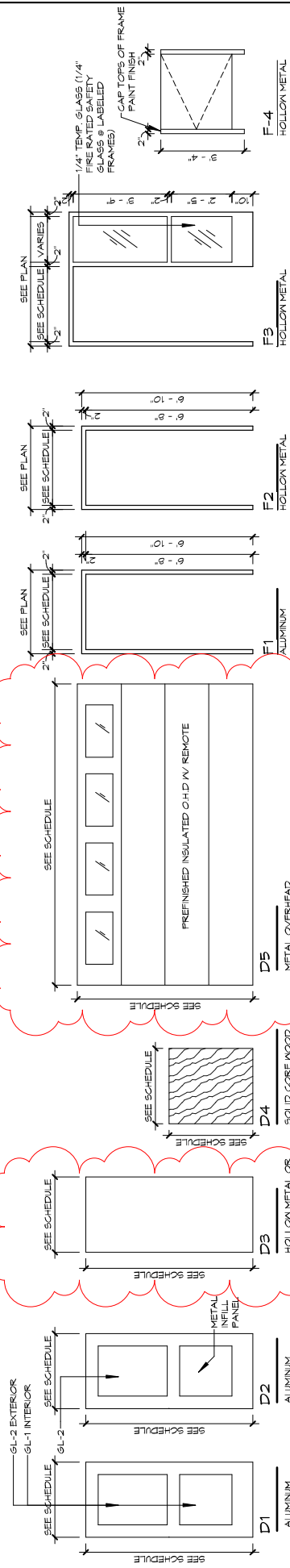
Addendum No. 1
 ID 1022-04-76
 Revised Sheet 175
 November 2, 2023

PLANS PREPARED BY: VANTAGE ARCHITECTS, INC. LA CROSSE, WI	ARCHITECTURAL MILLWORK	DATE: 8/1/2023	FINAL
STATE PROJECT NUMBER: 1022-04-76	MEMORIE SWEF NO. 63	SHEET NO.: A605	175
HWY: IH 94	COUNTY: DUNN	SCALE:	

DOOR SCHEDULE

DV	DOOR SIZE	DOOR MATERIAL	DOOR ELEVATION	FRAME MATERIAL	FRAME ELEVATION	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	LABEL	Door Hardware	REMARKS
101	3'-0" X 6'-8"	ALUM	D1	ALUM	F1	4/A/T04	2/A/T04	3/A/T04		1	
102	3'-0" X 6'-8"	ALUM	D2	ALUM	F1	3/A/T05	4/A/T05			2	
102A	3'-0" X 3'-4"	WOOD	D4	HM	F4		4/A/T03			8	
103	3'-0" X 6'-8"	ALUM	D1	ALUM	F1	1/A/T04	2/A/T04			7	
104	3'-0" X 6'-8"	WOOD	D3	HM	F3	3/A/T06	4/A/T06			3	
105	3'-0" X 6'-8"	WOOD	D3	HM	F2	3/A/T03	4/A/T03			3	
106	3'-0" X 6'-8"	WOOD	D3	HM	F2	3/A/T03	4/A/T03			4	
107	3'-0" X 6'-8"	WOOD	D3	HM	F3	2/A/T06	1/A/T07			5	
108A	3'-0" X 6'-8"	WOOD	D3	HM	F2	3/A/T06	4/A/T06			5	
108B	3'-0" X 6'-8"	ALUM	D2	ALUM	F1	4/A/T04	4/A/T04	2/A/T08		2	
109A	3'-0" X 6'-8"	WOOD	D3	HM	F2	1/A/T06	2/A/T06		60 MIN.	9	
109B	3'-0" X 6'-8"	HM	D3	HM	F2	1/A/T03	2/A/T03			6	
109C	12'-0" X 7'-0"	METAL	D5	-	-	1/A/T05	1/A/T05	2/A/T05		4	
110	3'-0" X 6'-8"	HM	D3	HM	F2	3/A/T06	4/A/T06			4	
111	3'-0" X 6'-8"	HM	D3	HM	F2	1/A/T03	2/A/T03			10	
122A/B	6'-0" X 6'-8"	HM	D3	HM	F2	3/A/T06	4/A/T06			11	

GLASS TYPES. - SEE SPEC SECTION 08 80 00 GLASS AND GLAZING
 GL-1 1/4" PLATE TEMPERED
 GL-2 1" INSULATED TEMPERED



1 DOOR ELEVATIONS

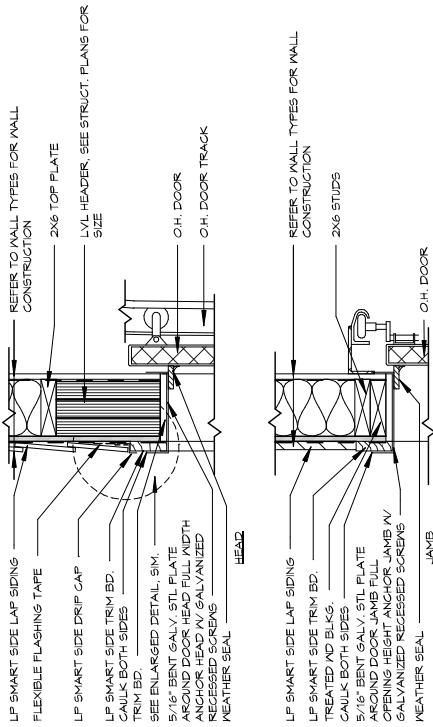
1/4" = 1'-0"

2 FRAME TYPES

1/4" = 1'-0"

Addendum No. 01
 ID 1022-04-76
 Revised Sheet 177
 November 6, 2023

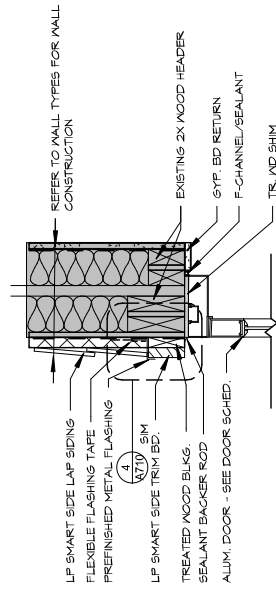
Addendum No. 1
 ID 1022-04-76
 Revised Sheet 177
 November 2, 2023



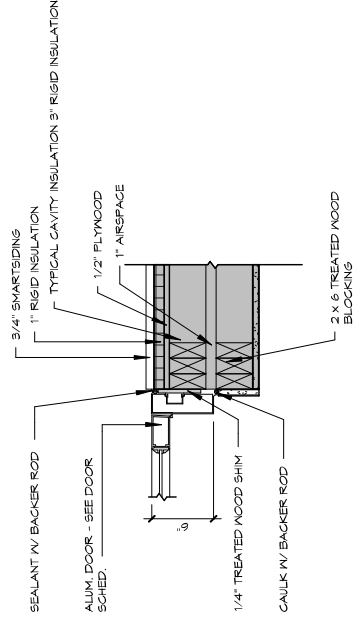
1 O.H. HEAD AND JAMB DETAIL
1" = 1'-0"



2 O.H. DOOR THRESHOLD DETAIL
1" = 1'-0"



3 ALUMINUM DOOR HEAD DETAIL
1" = 1'-0"



4 ALUMINUM DOOR JAMB DETAIL
1" = 1'-0"

Addendum No. 01
ID 1022-04-76
Revised Sheet 181
November 6, 2023

Addendum No. 1
ID 1022-04-76
Revised Sheet 181
November 2, 2023

PLANS PREPARED BY: VANTAGE ARCHITECTS, INC. LA CROSSE, WI	DATE: 8/1/2023	FINAL
STATE PROJECT NUMBER: 1022-04-76	SHEET NO.: A705	181
COUNTY: DUNN	SCALE:	
OVERHEAD DOOR DETAILS		
MEMOMONIE SWEF NO. 63		

Addendum No. 01
 ID 1022-04-76
 Revised Sheet 188
 November 6, 2023

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOORING		BASE TYPE/COLOR	MALLS				CEILING		DOORS & FRAMES		CASEWORK COUNTERTOPS	CASEWORK FACE	MISC EQUIP WINDOW STOOLS	REMARKS
		SUBSTRATE	FINISH COLOR		NORTH MALL	EAST MALL	SOUTH MALL	WEST MALL	EXISTING	CEILING HT.	FRAMES	DOORS				
101	TUNNEL															
102	VESTIBULE															
103	OPERATIONS															
104	DRIVERS															
105	PUBLIC TOILET															
106	STAFF TOILET															
107	MECHANICAL/UTILITY ROOM															
108	RESTROOM															
109	RECEPTION															
110	STORAGE AREA															
111	TELECOM															
112	INSPECTIONS															



REMARKS

- PROVIDE SCHLUTER TRANSITION AT FLOOR TO MALL TILE TRANSITION IN TOILET ROOMS.
- AT TOILET ROOMS MALL TILE SHALL BE FULL HEIGHT SEE INTERIOR ELEVATIONS.
- PROVIDE FRP AT MOP SINK, (1) MALL AT 24" W. X 48" H.
- PROVIDE FRP AT UTILITY SINK, (1) MALL AT 48" W. X 48" H.
- PROVIDE 48" H. X 3/4" THICK PLYWOOD PAINTED ALONG ENTIRE MALL LENGTH ELECTRICAL PANEL MALL.

ABBREVIATIONS

- AL ALUMINUM
- CHU CONCRETE MASONRY UNIT
- CONC CONCRETE
- CSF CERAMIC TILE
- EP EPOXY PAINT
- F5 FLOOR GRILLE
- GFCHU GROUND FACE CONCRETE MASONRY UNIT
- HMI HOLLOW METAL
- IGS INSULATING GLASS SYSTEM
- GYPSB GYPSUM BOARD
- MTL METAL
- MN MILLWORK
- P PAINT
- PLAM PLASTIC LAMINATE
- ST TILED
- S SEALED
- S6F SOLID SURFACE
- MCT MALL CERAMIC TILE
- MD WOOD

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DIVISION	LABEL	MANUFACTURER	SIZE	COLLECTION/COLOR/PATTERN
06 40 00 - ARCHITECTURAL WOODWORK	P.LAM.-1	FORMICA OR EQUAL		JAMOCHA GRANITE (7194-58)
	P.LAM.-2	FORMICA OR EQUAL		KONA (9288-58)
	S.SURF.-1	MEGANITE OR EQUAL		DELTA GRANITE (661)
	S.SURF.-2	MEGANITE OR EQUAL		SANIBEL (691)
07 46 43 - COMPOSITE SIDING	LP	LP BUILDING (SIDING)	SEE SPEC	QUARRY GRAY
	LP	LP BUILDING (TRIM)	SEE SPEC	TUNDRA GRAY
	LP	LP BUILDING (TRIM)	SEE SPEC	TUNDRA GRAY
08 14 16 - FLUSH WOOD DOORS	MD-1	MASONITE OR EQUAL		RED OAK ESPRESSO
09 31 00 - TILING	PCT-1	DALTILE OR EQUAL	12" X 24"	SYNCHRONIC - GREY (SY93) - MATTE
	PCT-2	DALTILE OR EQUAL	12" X 12"	AFFINITY - GRAY (AF03) - MATTE
	PCT-3	DALTILE OR EQUAL	3" X 24"	BULLNOSE (F49F4) - SYNCHRONIC GREY (SY93) - MATTE
09 51 00 - ACoustICAL CEILING	ACT-1	ARMSTRONG OR EQUAL	2' X 2'	FINE FISSURED (1732) WHITE
09 65 00 - RESILIENT FLOORING	SV-1	POLYFLOR OR EQUAL		2000-PUR - STONEWALL (8290)
	VB-1	ARMSTRONG OR EQUAL	4" H.	FLAGSTONE (R48F5)
09 68 00 - CARPET	CPT-1	INTERFACE OR EQUAL	19" SQ.	KAMALA II - SAKE (10185T)
09 71 00 - FIBERGLASS REINFORCED PANELS	FRP-1	CRANE COMPOSITES OR EQUAL		VARIETEX - PEPPER DUST (8044) - SATIN SANDSTONE
09 76 00 - HIGH PERFORMANCE COATING	HPC	KEY RESIN COMPANY		MEDIUM GREY
09 90 00 - PAINTING	PT-1	SHERWIN WILLIAMS OR EQ.		EXTRA WHITE (5M 7006)
	PT-2	SHERWIN WILLIAMS OR EQ.		FIREWEED (5M 6928)
	PT-3	SHERWIN WILLIAMS OR EQ.		CUSTOM COLOR MATCH (METAL FASCIA & ROOF)
10 51 00 - METAL LOCKERS	LO-1	DEBOURGH OR EQ.		CARDINAL RED
12 20 00 - WINDOW TREATMENT	WT-1	HUNTER DOUGLAS OR EQ.		ALUMINUM 1" - WOODLAND DUSK
	WT-2	MECHOSHADE		MECHO/5 - GREY (2113)
	WT-3	MECHOSHADE		MECHO/5 - SMOKE/SILVER-SMOKE (0606)
12 48 16 - FLOOR GRIDS	F.GRID	BALCO OR EQUAL	SEE PLAN	EPOXY N/GRIT - NICKEL GRAY
	AF.MAT	MATS INC. OR EQUAL	SEE SPEC	BLACK

GENERAL NOTES

- FIELD-APPLIED SEAL COAT PER SPEC SECTION 12 50 00
- PT-3 TO MATCH CUSTOM METAL FASCIA AND ROOF COLORS. PAINT ALL EXTERIOR GUARD RAILINGS FT-3.
- FLOOR TILE OVERFULL MORTAR BED. SEE A106 FOR RECESSED SLABS.
- EXTERIOR H.M. DOORS SHALL BE PAINTED FT-2.

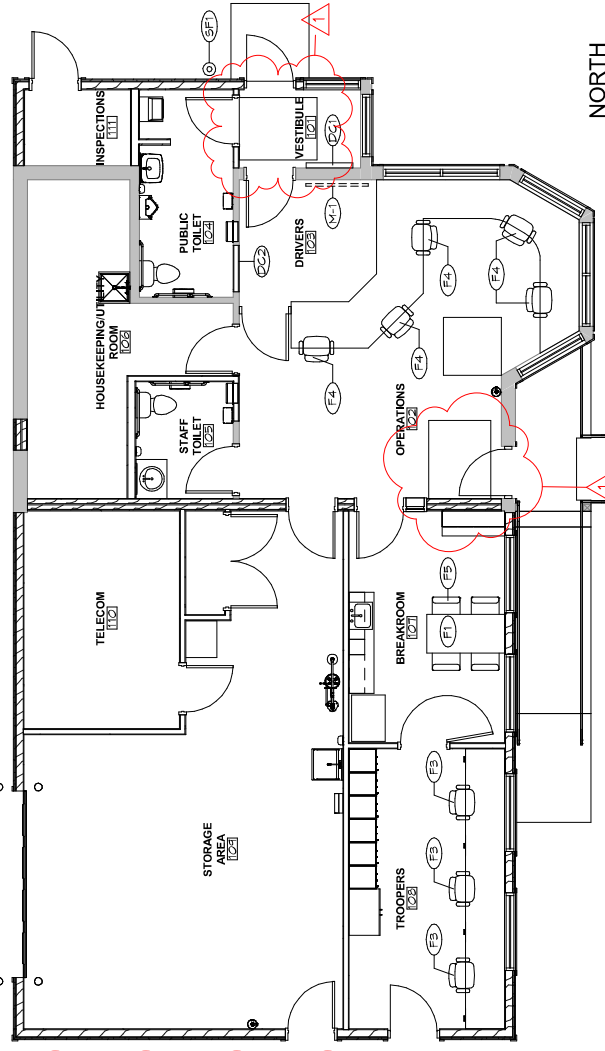
ABBREVIATIONS

- ACT ACoustICAL CEILING TILE
- AL ALUMINUM
- BLND BLIND
- CONC. CONCRETE
- CPT CARPET
- F.GRID FLOOR WALK OFF GRID
- FRP FRP
- G.MAT GYPSUM BOARD
- G.PCB GYPSUM BOARD
- H.M. HOLLOW METAL
- HPC HIGH PERFORMANCE COATING
- HFC
- PT PAINT
- PT FINISHED
- PCT POLYURETHANE
- PCT PORCELAN TILE
- SEAL SEALED
- S.SURF. SOLID SURFACE
- STRUCT. STRUCTURE
- SV. SHEET VINYL
- VB. VENEER BASE
- MD MOLD
- WT WINDOW TREATMENT

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 REVISED SHEET 189
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LOCATION	SPEC#	LABEL	DESCRIPTION	PROVIDED BY
OUTDOOR	12 49 00	SIF-1	CIGARETTE RECEPTACLE SNUFFER	CONTRACTOR
VESTIBULE 101	10 12 00	DC-1	INTERIOR ENCLOSED MAP CASE 36" X 44" MOUNT AT 44" A.F.F.	CONTRACTOR
	12 46 13	WC-1	WASTE CAN - 16 GALLON	CONTRACTOR
	12 46 13	RC-1	RECYCLE CAN - 16 GALLON	CONTRACTOR
	12 45 16	F_GRID	FLOOR GRID	CONTRACTOR
OPERATIONS 102	12 50 00	F-4	TASK CHAIR - HIGH COUNTER HEIGHT	CONTRACTOR
	12 50 00	F-2	FILE PEDESTALS F/F	CONTRACTOR
	12 45 16	MAT	ANTI-FATIGUE FLOOR MAT	CONTRACTOR
	12 45 16	F_GRID	FLOOR GRID	CONTRACTOR
	12 41 19	FS-1	PAPER SHREDDER - 16 GALLON	CONTRACTOR
	11 52 00	M-1	24" WEATHER MONITOR	CONTRACTOR
	11 52 00	M-2	32" TRAFFIC/SECURITY MONITOR	CONTRACTOR
	12 46 13	WC-1	WASTE CAN - 16 GALLON	CONTRACTOR
	12 46 13	RC-1	RECYCLE CAN - 16 GALLON	CONTRACTOR
	11 12 59	DF	DEFIBILLATOR	CONTRACTOR
DRIVERS ROOM 109	10 12 00	DC-2	WALL MOUNTED BROCHURE DISPLAY MOUNT AT 36" ABOVE A.F.F.	CONTRACTOR
	11 52 00	AV-1	BRACKET FOR WEATHER MONITOR	CONTRACTOR
HOUSEKEEPING/ UTILITY ROOM 106				
BREAKROOM 107	12 50 00	F-5	GUEST CHAIR - STANDARD HEIGHT	CONTRACTOR
	12 50 00	F-1	TRAINING TABLES 5' X 2' - 6"	CONTRACTOR
	11 31 19		MICROWAVE OVEN	CONTRACTOR
	11 31 19		REFRIGERATOR	CONTRACTOR
	10 29 00	D-1	PAPER TONEL DISPENSER	CONTRACTOR
	12 46 13	WC-1	WASTE CAN - 16 GALLON	CONTRACTOR
	12 46 13	RC-1	RECYCLE CAN - 16 GALLON	CONTRACTOR
TROOPERS 108	12 50 00	F-3	TASK CHAIR - STANDARD HEIGHT	CONTRACTOR
	12 46 13	WC-2	WASTE CAN - 28 GALLON	CONTRACTOR
	12 50 00	F-2	FILE PEDESTALS F/F	CONTRACTOR
STORAGE AREA 104	12 46 13	WC-3	WASTE CAN - 44 GALLON	CONTRACTOR
	10 29 00	D-1	PAPER TONEL DISPENSER	CONTRACTOR
	12 50 00	SC-1	STEEL CART	CONTRACTOR
	10 51 19	LO-2	EVIDENCE LOCKERS	CONTRACTOR



1 FURNITURE PLAN

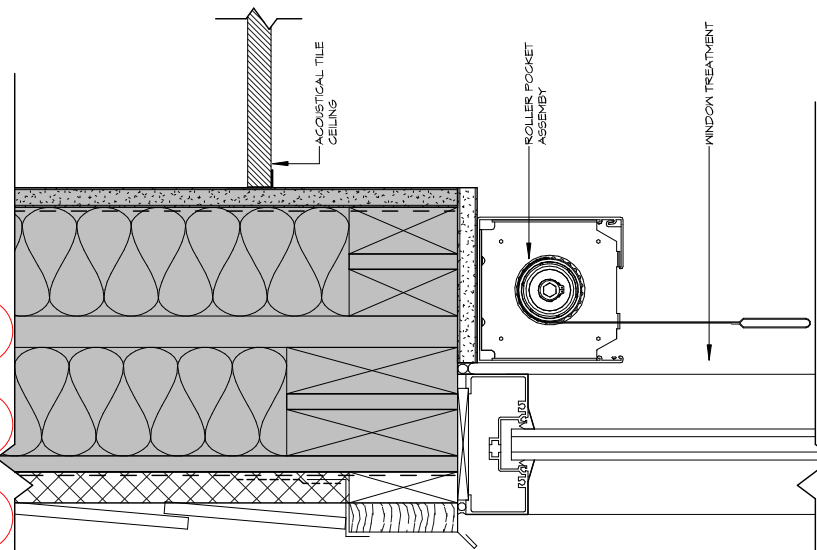
1/8" = 1'-0"
 0 2 4 6 8 16
 SCALE: 1/8"=1'-0"



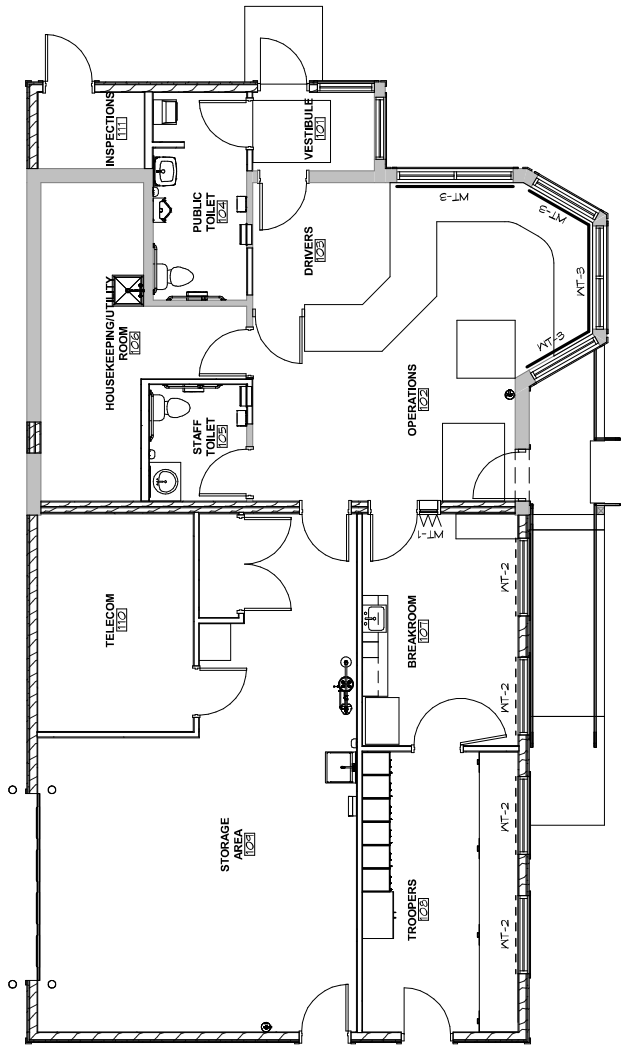
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WINDOW TREATMENT SYMBOLS LEGEND

- ||||| HORIZONTAL LOUVER BLIND
- MT-1
- ROLLING FABRIC SOLAR SHADES
- MT-2
- ROLLING TINTED FILM SOLAR SHADE
- MT-3



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1 WINDOW TREATMENT PLAN
 1/8" = 1'-0"
 SCALE: 1/8"=1'-0"

2 SOLAR SHADE POCKET MOUNT
 3" = 1'-0"

Addendum No. 1
 ID 1022-04-76
 Revised Sheet 191
 November 2, 2023

PLANS PREPARED BY: VANTAGE ARCHITECTS, INC. LA CROSSE, WI	WINDOW TREATMENT PLAN	DATE: 8/1/2023	FINAL
STATE PROJECT NUMBER: 1022-04-76	MENOMONIE SWEF NO. 63	SHEET NO.: A904	191
COUNTY: DUNN		SCALE:	

GENERAL NOTES

1.1 GENERAL:
1.1.1 SCOPE: THE FOLLOWING GENERAL AND SPECIFIC NOTES SHALL APPLY EQUALLY TO ALL CONTRACTORS AND SUPPLIERS ENGAGED IN EXECUTION OF THE WORK SHOWN ON THE CONTRACT DOCUMENTS. THESE NOTES SUPPLEMENT AND ARE MADE A PART OF THE PLANS AND SPECIFICATIONS.
1.1.2 REFERENCES: ALL CONSTRUCTION SHALL BE EXECUTED IN CONFORMANCE WITH THE FOLLOWING:
- PLANS AND SPECIFICATIONS
- GOVERNING LOCAL AND MUNICIPAL CODES
- 2018 WISCONSIN COMMERCIAL BUILDING CODE
- 2015 INTERNATIONAL BUILDING CODE (IBC)
- ASTM INTERNATIONAL (ASTM)
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)
CONCRETE CONSTRUCTION:
- AMERICAN CONCRETE INSTITUTE (ACI)
- PRECAST/PRESTRESSED CONCRETE INSTITUTE (PCI)
WOOD CONSTRUCTION:
- NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION
- AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC)
- APA - THE ENGINEERED WOOD ASSOCIATION (APA)
CONTRACTOR SHALL ENSURE FAMILIARITY OF THE ABOVE ITEMS. INSPECTIONS AND OBSERVATIONS WILL BE IN CONFORMANCE WITH THE ABOVE.
1.1.3 DESIGN DATA:
RISK CATEGORY: CATEGORY II
ROOF DEAD LOADS (D): 20 PSF
WOOD FRAMED ROOF: 20 PSF
FLOOR LIVE LOADS (L): 50 PSF
OFFICES AND FIRST FLOOR CORRIDORS: 100 PSF
LOBBIES AND FIRST FLOOR CORRIDORS: 100 PSF
SIDEWALKS, VEHICULAR DRIVEWAYS AND YARDS, SUBJECT TO TRUCKING: 250 PSF
ROOF LIVE LOADS (L): 20 PSF
SNOW LOADS (S): 20 PSF
EXPOSURE CATEGORY: 50 PSF
THERMAL FACTOR, Tc: 1.0
IMPORTANCE FACTOR, Is: 1.0
FLAT ROOF SNOW LOAD, Pf: 38.5 PSF + DRIFT
ROOF SLOPE FACTOR, Cs: 1.0
DESIGN ROOF SNOW LOAD, Ps: 38.5 PSF + DRIFT
WIND LOADS (W) (ASCE 7-10 WINDS DIRECTIONAL PROCEDURE, PART 1, ALL HL):
BASIC WIND SPEED, Vw: 115 MPH
EXPOSURE CATEGORY: C
ENCLOSURE CLASSIFICATION: ENCLOSED
INTERNAL PRESSURE COEFFICIENT, Cpi: +/- 0.18
COMPONENTS AND CLADDING DESIGN PRESSURES: (ASCE 7-10 CHAPTER 30)

1.1.4 DESIGN CRITERIA:
SOIL BEARING CAPACITY: 3000 PSF (REPORT)
PREPARED BY AMERICAN ENGINEERING TESTING, AET PROJECT NO. P-0013282
DATED JUNE 18, 2022
CONCRETE (NORMAL WEIGHT UNO):
FOOTINGS: f'c = 3000 PSI
CIP WALLS: f'c = 4000 PSI
EXTERIOR SLAB ON GRADE: f'c = 4000 PSI
INTERIOR SLABS: f'c = 3500 PSI
REINFORCEMENT STEEL: Fy = 60000 PSI
WOOD JOIST LAYER, ASTM A516 GRADE 60: Fy = 60000 PSI
WOOD STUDS, PLATES, HEADERS - SPRUCE-PINE-FIR (NO. 2 OR BETTER): Fb = 675 PSI
POSTS (5x5 AND LARGER) - DOUGLAS FIR-LARCH (NO.1): Fb = 1150 PSI
E = 1,400,000 PSI
POSTS (4x4 AND LARGER) - DOUGLAS FIR-LARCH (NO.1): Fb = 1000 PSI
E = 1,600,000 PSI
WOOD TRUSSES - MACHINE STRESS RATED (G = .42 MIN): Fb = 1650 PSI
Ft = 1020 PSI
LVL (MICROLLAM OR EQUAL): Fb = 2600 PSI
E = 2,000,000 PSI
PSL (PARALLAM OR EQUAL) - BEAMS: Fb = 2400 PSI
Ft = 1750 PSI
E = 1,800,000 PSI
PSL (PARALLAM OR EQUAL) - COLUMNS/POSTS: Fb = 2500 PSI
Ft = 190 PSI
E = 1,800,000 PSI
FASTENERS:
THREADS, ASTM A307: Fy = 36000 PSI
NUTS, ASTM A563 GRADE C: Fy = 36000 PSI
WASHERS, A36: Fy = 36000 PSI
EXPANSION ANCHORS (CARBON STEEL): WTK-BOLT 1 BY HILTI, INC.
EXPANSION ANCHORS (GALVANIZED, STAINLESS STEEL): WTK-BOLT 3 BY HILTI, INC.
CONCRETE EPOXY ANCHORS: HIT HY-200 BY HILTI, INC.
SCREW ANCHORS (3/8" x 4"): MIK-EX BY HILTI, INC.
SELF-DRILLING SCREWS: TEK-S BY ITW BUILDEX
WOOD SCREWS: SDS BY SIMPSON, INC.

1.1.5 SEISMIC (E):
IMPORTANCE FACTOR, Ia: 1.0
0.2-MAPPED SPECTRAL RESPONSE ACCELERATION, Sa: 4.60%g
1.0-MAPPED SPECTRAL RESPONSE ACCELERATION, S1: 2.30%g
SITE CLASS: D
0.2-MAPPED SPECTRAL RESPONSE ACCELERATION, Ss: 0.10g
0.2-MAPPED SPECTRAL RESPONSE COEFFICIENT, Sh: 0.04g
SEISMIC DESIGN CATEGORY: A
SEISMIC RESISTING SYSTEM: BEARING WALL SYSTEM
W/ STRUCTURAL WOOD SHEAR PANELS
INDEX FORCE ANALYSIS

1.1.6 PROJECT CONDITIONS: ALL EXISTING BUILDING DIMENSIONS AND CONDITIONS MUST BE FIELD VERIFIED PRIOR TO FABRICATION. AMBROSE ENGINEERING SHALL NOT BE RESPONSIBLE FOR ANY EXISTING INFORMATION SUPPLIED BY THE OWNER/ARCHITECT NOR BE LIABLE FOR THOSE EXISTING CONDITIONS THAT VARY FROM THE PREVIOUSLY GIVEN INFORMATION.

1.1.7 SHOP DRAWINGS/SUBMITTALS: SHALL BE SUBMITTED BY THE GENERAL CONTRACTOR TO THE ARCHITECT/ENGINEER FOR APPROVAL BEFORE FABRICATION MAY PROCEED. SHOP DRAWINGS/SUBMITTALS SHALL BE PROVIDED FOR THE FOLLOWING COMPONENTS: CONCRETE DESIGN MIXES, REINFORCING STEEL, AND PRE-ENGINEERED WOOD TRUSSES. SEE SPECIFIC MATERIALS SECTIONS FOR ADDITIONAL INFORMATION.

NOTES:
- GENERAL CONTRACTOR SHALL REVIEW AND STAMP SHOP DRAWINGS BEFORE SUBMITTAL TO ARCHITECT/ENGINEER.
- SUBMIT (2) COPIES TO ARCHITECT/ENGINEER FOR REVIEW. (1) REVIEWED COPY WILL BE RETURNED. ANY ADDITIONAL SHOP DRAWING COPIES WILL NOT BE RETURNED.
- ALL SHOP DRAWINGS SHALL CONTAIN THE ISSUE DATE INDICATED ON THE COPIES.
- COPIES OF THE STRUCTURAL DRAWINGS SUBMITTED AS SHOP DRAWINGS WILL BE REJECTED.
- ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS SHALL BE NOTED (CLOUD, NOTE, ETC.) ON THE SHOP DRAWINGS SUBMITTED FOR APPROVAL.
- ANY CHANGES OR RESUBMITTED SHOP DRAWINGS SHALL BE CLOUDED.
DEFERRED COMPONENT SUBMITTALS: SHALL BE SUBMITTED BY THE GENERAL CONTRACTOR TO THE ARCHITECT/ENGINEER PRIOR TO CONSTRUCTION. DEFERRED SUBMITTALS SHALL BE PROVIDED FOR WOOD TRUSSES.

NOTES:
- GENERAL CONTRACTOR SHALL REVIEW AND STAMP THE DEFERRED SUBMITTALS BEFORE SUBMITTING (2) COPIES OF DRAWINGS AND CALCULATIONS TO ENGINEER. (3) COPIES WILL BE RETURNED WITH ENGINEER'S APPROVAL STAMP.
- ALL COMPONENT SUBMITTALS SHALL BEAR AN ORIGINAL SEAL AND SIGNATURE OF THE COMPONENT DESIGNER.
- ALL SUBMITTED COPIES MUST BE THE FINAL "FIELD USE" SETS WHICH INCLUDES ALL CORRECTIONS MADE DUE TO SHOP DRAWING REVIEW COMMENTS.
SPECIAL INSPECTIONS: AN INSPECTION & TESTING COMPANY SHALL BE RETAINED IN ACCORDANCE WITH THE IBC FOR THE FOLLOWING:
- SOILS AND EARTHWORK SUPPORTING FOUNDATIONS AND SLABS.
- CONCRETE TEST CYLINDERS AND STRENGTH TESTING.
- POST INSTALLED EXPANSION AND EPOXY ANCHORS.

CONSTRUCTION LOADS: PLACEMENT OF CONSTRUCTION EQUIPMENT, MATERIALS, AND PERSONNEL SHALL NOT EXCEED THE DESIGN LIVE LOAD OF THE STRUCTURE. CONCRETE SHALL CURE A MINIMUM OF 7 DAYS BEFORE THE APPLICATION OF CONSTRUCTION LOADS. IN ADDITION, EQUIPMENT PLACED ON FLOORS SHALL ALSO COMPLY WITH THE FOLLOWING:
FORKLIFT SPACING BETWEEN WHEELS ON AXLE IS NOT LESS THAN 36" c/c OR FORKSLIFT SPACING BETWEEN WHEELS ON AXLE IS NOT LESS THAN 25" c/c.
SCISSOR LIFT SPACING BETWEEN WHEELS ON AXLE IS NOT LESS THAN 25" c/c.

SLAB-ON-GRADE: ALLOWABLE EQUIPMENT AXLE LOADS
SLAB DEPTH: FORKSLIFT SCISSOR/PLATFORM LIFTS
4" NONE
5" 5,400 LBS
6" 11,400 LBS
8" 19,200 LBS
9" 200 LBS
>8" 9,200 LBS
MODULUS OF SUBGRADE, k (MINIMUM) 100 PCI

WHEN AXLE LOADS EXCEED THE VALUES LISTED ABOVE, OR WHEN WHEEL SPACING IS LESS THAN c/c SPACING, CONTACT ENGINEER PRIOR TO OPERATING UNAUTHORIZED EQUIPMENT.

FIELD MODIFICATIONS: MODIFICATIONS OF STRUCTURAL MEMBERS DUE TO MISLOCATION, MISFIT, MECHANICAL INTERFERENCE, OR ANY OTHER CONSTRUCTION ISSUE SHALL NOT BE MADE WITHOUT THE PRIOR APPROVAL OF ENGINEER. NO OPENING SHALL BE PLACED IN ANY STRUCTURAL MEMBER UNLESS SHOWN ON THE CONTRACT STRUCTURAL DRAWINGS OR THE APPROVED SHOP DRAWINGS.

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ID 1022-04-76
Revised Sheet: 192
November 2, 2023

Addendum No. 01
ID 1022-04-76
Revised Sheet 192
November 6, 2023

Addendum No. 1
 ID 1022-04-76
 Revised Sheet:193
 November 2, 2023

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 Revised Sheet 193
 November 6, 2023

1.1-1.12 PERMANENT EQUIPMENT: SHALL BE LOCATED ONLY ON THE STRUCTURAL MEMBERS INTENDED TO SUPPORT THIS EQUIPMENT AS SHOWN ON THE CONTRACT DRAWINGS OR THE APPROVED SHOP DRAWINGS. IF STRUCTURAL SUPPORT IS NOT CLEAR, OR A QUESTION ARISES, CONTACT ENGINEER PRIOR TO EQUIPMENT INSTALLATION.

2.1 EARTHWORK:

2.1-1 GEOTECHNICAL REPORT: REFER TO GEOTECHNICAL REPORT INDICATED IN DESIGN CRITERIA FOR SITE CONDITIONS, SUITABLE BEARING MATERIALS, STRUCTURAL FILL, BACKFILL MATERIALS, COMPACTION REQUIREMENTS AND PROJECT SPECIFICATIONS FOR EARTHWORK NOT SPECIFIED HEREIN.

2.1-2 EXCAVATIONS: ALL UNSUITABLE EXISTING FILL AND TOPSOIL SHALL BE EXCAVATED BELOW FOOTING BEARING AND REPLACED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT RECOMMENDATIONS. IF EXCAVATIONS SHOULD INDICATE A SAFE SOIL BEARING CAPACITY LESS THAN THE DESIGN CRITERIA SOIL BEARING CAPACITY THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY AND FOUNDATION REVISED TO MEET THIS CONDITION.

2.1-3 SITE PREPARATION: ALL UNSUITABLE EXISTING FILL AND TOPSOIL SHALL BE EXCAVATED WITHIN THE BUILDING FOOTPRINT AND REPLACED TO FINISHED PAD ELEVATION IN ACCORDANCE WITH THE GEOTECHNICAL REPORT RECOMMENDATIONS. PROVIDE COMPACTED AGGREGATE SUB-BASE AND VAPOR RETARDER ABOVE PAD AND BELOW SLAB PER SPECIFICATIONS AND GEOTECHNICAL REPORT RECOMMENDATIONS.

2.1-4 BACKFILLING: BACKFILL EACH SIDE OF FOUNDATION WALLS IN EQUAL LIFTS. WHERE FINAL GRADES EXIST, BACKFILL EACH SIDE OF FOUNDATION WALLS TO FINISHED GRADE. FOUNDATION WALLS STRUCTURALLY CONNECTED TO SLABS (SUCH AS DOCK WALLS), BRACE TOP OF WALL UNTIL SLAB IS IN PLACE AND CURED 7 DAYS MINIMUM. WHERE WALLS ARE NOT STRUCTURALLY CONNECTED AT THE TOP (SUCH AS RETAINING WALLS) BRACING IS NOT REQUIRED.

3.1 CONCRETE:

3.1-1 REFERENCES: CONCRETE CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING STANDARDS AND AS MODIFIED HEREIN:

- ACI 117 "SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS"
- ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE"
- ACI SP-66 "ACI DETAILING MANUAL"
- ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"
- ACI 347 "GUIDE TO FORMWORK FOR CONCRETE"
- ACI 360 "GUIDE TO DESIGN OF SLABS-ON-GROUND"
- CRSI "MANUAL OF STANDARD PRACTICE"
- CRSI "PLACING REINFORCING BARS"

3.1-2 MATERIALS: PROPORTION CONCRETE MATERIALS TO ATTAIN 28 DAY CONCRETE MIX DESIGN STRENGTHS INDICATED IN THE DESIGN CRITERIA. SEE SPECIFICATIONS FOR ADDITIONAL MATERIAL REQUIREMENTS.

3.1-3 SHOP DRAWINGS/SUBMITTALS: SUBMIT CONCRETE MIX DESIGNS, COMPRESSIVE STRENGTH TEST RESULTS FOR CONCRETE, REINFORCING BARS, PLACEMENT, CURING, FINISHES, REINFORCING, BEAR PLATES, AND FABRICATED PLANS, LAYOUTS, REBAR BENDING DIAGRAMS, AND ALL DETAILS AS REQUIRED TO COMPLETE INSTALLATION.

3.1-4 ACCESSORIES: ALL CONCRETE ACCESSORIES SUCH AS CHAIRS, TIES, ETC., THAT COME IN CONTACT WITH FORMWORK ON EXPOSED CONCRETE SHALL BE GALVANIZED OR PLASTIC COATED. CONCRETE BLOCK OR CLAY MASONRY SHALL NOT BE USED AS CHAIRS FOR SUPPORT OF SLAB-ON-GRADE REINFORCEMENT.

3.1-5 WELDED WIRE REINFORCEMENT: PROVIDE WELDED WIRE REINFORCEMENT IN ACCORDANCE WITH THE DESIGN CRITERIA. WELDED WIRE REINFORCEMENT SHALL BE FLAT SHEETS ONLY, LAPPED 6" MINIMUM AND POSITIONED AT MID-HEIGHT OF THE SLAB THICKNESS. UNO.

3.1-6 SYNTHETIC FIBER REINFORCEMENT: PROVIDE SYNTHETIC FIBER REINFORCEMENT IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AT THE DOSAGE RATE INDICATED ON THE PLANS.

3.1-7 BAR REINFORCEMENT: PROVIDE BAR REINFORCEMENT IN ACCORDANCE WITH THE DESIGN CRITERIA. WHEN BAR REINFORCEMENT IS CALLED FOR IN A CERTAIN PORTION OF THE BUILDING, IT SHALL BE DUPLICATED IN SIMILAR PORTIONS OF THE BUILDING. UNO.

3.1-8 MINIMUM COVER: INSTALL BAR REINFORCEMENT WITH THE FOLLOWING MINIMUM COVER UNLESS A GREATER COVER IS REQUIRED DUE TO FIRE PROTECTION:

- CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
- CONCRETE EXPOSED TO EARTH AND WEATHER:
 - #5 BAR AND SMALLER 1 1/2"
 - #6 BAR AND LARGER 2"
- CONCRETE NOT EXPOSED TO EARTH AND WEATHER OR IN CONTACT WITH GROUND:
 - SLABS, WALLS, AND JOISTS:
 - #11 BAR AND SMALLER 3/4"
 - #11 BAR AND LARGER 1 1/2"
 - BEAMS AND COLUMNS:
 - #11 BAR AND SMALLER 1 1/2"
 - #11 BAR AND LARGER 2"

3.1-9 DEVELOPMENT: THE MINIMUM DEVELOPMENT LENGTH OF NON-CONTINUOUS BAR REINFORCEMENT IS SHOWN BELOW. TERMINATE WITH A STANDARD HOOK IN ACCORDANCE WITH ACI. IF REQUIRED DEVELOPMENT LENGTH CANNOT BE OBTAINED, THE LAP SPlice LENGTH OF CONTINUOUS BAR REINFORCEMENT IS SHOWN BELOW. IN GROUPS OF PARALLEL BARS, LAP SPICES SHALL BE STAGGERED.

f'c = 3000 PSI, GRADE 60, UNCOATED:	DEVELOPMENT LENGTH	LAP SPlice LENGTH
ALL BARS (EXCEPT TOP HORIZ. BARS):		
#6 BAR AND SMALLER	44 BAR DIAMETERS	57 BAR DIAMETERS
#7 BAR AND LARGER	55 BAR DIAMETERS	71 BAR DIAMETERS
TOP HORIZONTAL BARS:		
#6 BAR AND SMALLER	57 BAR DIAMETERS	74 BAR DIAMETERS
#7 BAR AND LARGER	71 BAR DIAMETERS	93 BAR DIAMETERS
f'c = 4000 PSI, GRADE 60, UNCOATED:		
ALL BARS (EXCEPT TOP HORIZ. BARS):		
#6 BAR AND SMALLER	38 BAR DIAMETERS	50 BAR DIAMETERS
#7 BAR AND LARGER	47 BAR DIAMETERS	62 BAR DIAMETERS
TOP HORIZONTAL BARS:		
#6 BAR AND SMALLER	50 BAR DIAMETERS	64 BAR DIAMETERS
#7 BAR AND LARGER	62 BAR DIAMETERS	80 BAR DIAMETERS

3.1-10 HOT WEATHER CONCRETING: FOLLOW ACI 305 "HOT WEATHER CONCRETING" WHEN MAXIMUM DAILY TEMPERATURE EXCEEDS 85°F, OR RAPID DRYING CONDITIONS EXIST; EVAPORATION RATE > .15 LB/SF/HR PER FIGURE 2.1.5.

3.1-11 COLD WEATHER CONCRETING: FOLLOW ACI 306 "COLD WEATHER CONCRETING" WHEN FREEZING CONDITIONS OR MEAN DAILY TEMPERATURE FALLS BELOW 40°F.

3.1-12 SLABS: MAY BE POURED AS A CONTINUOUS SCREEDED POUR WITH SAW CUT CONTROL JOINTS IN BOTH DIRECTIONS. SAW CUTS TO BE MADE WITHIN 8 HOURS OF POUR AND SPACED AS INDICATED IN THE DRAWINGS.

3.1-13 WALLS: MAXIMUM POUR LENGTH 100 FT BETWEEN FORMED CONSTRUCTION JOINTS. FOR WALLS EXPOSED, WELDED WIRE REINFORCEMENT SHALL BE PROVIDED AT CONTROL JOINTS. CONTROL JOINT CENTER JOINTS SHOULD ALIGN WITH BUILDING CONTROL JOINTS WHEN PRESENT AND COORDINATED WITH ARCHITECTURAL DRAWINGS.

3.1-14 OPENINGS: CONTRACTOR TO PROVIDE AND COORDINATE WITH ALL OTHER TRADES FOR SIZE AND LOCATIONS OF ANY AND ALL OPENINGS, SLEEVES, ETC. OCCURRING IN WALLS, CEILING, AND FLOORS. SLEEVE LAYOUTS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO CONSTRUCTION.

3.1-15 BOND BREAKER: PROVIDE BOND BREAKER MATERIAL WHERE SLABS ABUT WALLS, COLUMNS AND OTHER VERTICAL SURFACES.

PLANS PREPARED BY: AMBROSE ENGINEERING, INC. CEDARBURG, WI (AE# 020-317)	GENERAL NOTES	SCALE:	DATE: 8/1/2023	FINAL
STATE PROJECT NUMBER: 1022-04-76	MEMORONIE SWEF NO. 63		SHEET NO: S002	193
HWY: IH 94	COUNTY: DUNN			

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6.1 WOOD CONSTRUCTION:
 6.1.1 REFERENCES: ALL WOOD CONSTRUCTION SHALL BE EXECUTED IN CONFORMANCE WITH THE REQUIREMENTS OF THE FOLLOWING STANDARDS AND AS MODIFIED HEREIN:
 SWAN LUMBER, GLUE-LAMINATED TIMBER, WOOD JOIST, COMPOSITE LUMBER, METAL PLATE CONNECTED WOOD TRUSSES AND PRE-ENGINEERED METAL CONNECTORS;
 ALLOWABLE STRESS DESIGN (ASD) MANUAL FOR ENGINEERED WOOD CONSTRUCTION NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION
 NDS COMMENTARY
 NDS SUPPLEMENTS
 NDS GUIDELINES
 PLYWOOD AND ORIENTATED STRAND BOARD:
 AMERICAN PLYWOOD ASSOCIATION
 6.1.2 MATERIALS: CONTRACTOR SHALL SELECT LUMBER SPECIES AND GRADE CONFORMING WITH THE STRENGTH REQUIREMENTS SPECIFIED UNDER THE GENERAL DESIGN CRITERIA.
 6.1.3 ALL WOOD IN DIRECT CONTACT WITH EARTH OR CONCRETE SHALL BE PRESSURE TREATED.
 6.1.4 BEARING AND SHEAR WALLS TO HAVE DOUBLE TOP PLATE, LAPPED AT WALL AND PARTITION INTERSECTION WITH 3 - 160 NAILS. STAGGER SPLICES UP UPPER AND LOWER TOP PLATES.
 6.1.5 HOLES FOR BOLTS IN WOOD SHALL BE BORED WITH A BIT OF THE SAME NOMINAL DIAMETER AS THE BOLT PLUS 1/16".
 6.1.6 HOLES FOR LAG SCREWS SHALL BE FIRST BORED TO THE SAME NOMINAL DIAMETER DEPTH AS THE SHANK AND THE REST NO LARGER THAN THE ROOT OF THE THREAD.
 6.1.7 LAG SCREWS AND WOOD SCREWS SHALL BE SCREWED AND NOT DRIVEN INTO PLACE. SOAP MAY BE USED TO LUBRICATE SCREWS.
 6.1.8 ALL BOLTS AND LAG SCREWS SHALL BE PROVIDED WITH METAL WASHERS UNDER HEADS AND UNDER HEADS OF WOODS. (APPLIES ALSO TO INSERTED EXPANDING FASTENERS, RED HEAD, ETC.)
 BOLT DIAMETER MACHINE WASHER STEEL PLATE WASHER
 5/8" 2-3/4" DIA X 5/16" 2-1/2" X 2-1/2" X 1/4"
 3/4" 3" DIA X 7/16" 3" X 3" X 5/16"
 1/2" 3-1/2" DIA X 7/16" 3-1/2" X 3-1/2" X 3/8"
 1" 4" DIA X 1/2" 3-3/4" X 3-3/4" X 3/8"
 6.1.9 LAY ALL STRUCTURAL PLYWOOD ON ROOF AND FLOORS WITH FACE GRAIN PERPENDICULAR TO SUPPORTS UNLESS NOTED OTHERWISE. STAGGER INTERIOR PANEL EDGE JOINTS.
 6.1.10 CONNECTOR HARDWARE MODEL NUMBERS ARE THOSE FOR THE SIMPSON STRONG-TIE COMPANY. EQUIVALENT CONNECTORS WITH INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS (ICBO) ACCEPTANCE MAY BE SUBSTITUTED.
 6.1.11 ALL FASTENERS FOR PRESERVATIVE-TREATED AND FIRE-RETARDANT-TREATED WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL OR STAINLESS STEEL.
 6.1.12 ALL NAILS FOR STRUCTURAL WORK SHALL BE COMMON WIRE NAILS CONFORMING TO THE FOLLOWING MINIMUM SIZES:
 8d 0.131" DIAMETER X 2-1/2"
 10d 0.148" DIAMETER X 3"
 100 SHORTS 0.148" DIAMETER X 1-5/8" PLUS THICKNESS OF SPLICE
 16d 0.162" DIAMETER X 3-1/2"
 20d 0.192" DIAMETER X 4"

6.1.1.3 CONNECTIONS: WHERE SPECIAL NAILING IS NOT INDICATED ON DRAWINGS, MEMBERS SHALL BE CONNECTED IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:
 1. STUDS TO BEARINGS
 2x4 STUDS -- TN EACH SIDE. 2 - 10d
 2x6 STUDS -- TN EACH SIDE. 3 - 10d
 2x6 & 2x8 STUDS -- TN EACH SIDE. 3 - 10d
 IN PLACE OF TN 3 - 16d
 2. BLOCKING
 BETWEEN JOISTS, TN EACH SIDE EACH END. 2 - 10d
 RAFTERS, OR STUDS -- IN PLACE OF TN 2 - 16d
 BETWEEN JOIST OR RAFTER BRGS (PLATES) -- TN EACH SIDE. 3 - 10d
 3. DOUBLE TOP PLATES
 LOWER PLATE TO 2x4 STUD. 2 - 16d
 LOWER PLATE TO 2x6 OR 2x8 STUD 3 - 16d
 4. SILL PLATES
 TO PARALLEL FRAMING. 20d @ 12" OC
 TO PERPENDICULAR FRAMING. 2 - 20d
 TO CONCRETE FOUNDATION WALLS 4" DIA MIN
 TO MASONRY FOUNDATION WALLS 4" DIA ANCH. @ 4' OC MIN
 5. MULTIPLE STUDS
 STAGGER FOR WIDTHS MORE THAN 4" 16d @ 12" OC
 6. BUILT UP BEAMS
 10" OR LESS IN DEPTH EACH SIDE STAGGERED 16d @ 12" OC
 MORE THAN 10" IN DEPTH 1/2" DIAMETER BOLTS
 AT 24" OC STAGGERED
 7. STRUCTURAL PLYWOOD
 AT SUPPORTED EDGES 1.8d @ 6" OC
 AT INTERIOR BEARINGS 1.6d @ 12" OC
 8. RAFTERS OR WOOD TRUSSES - SIMPSON MODEL H1 ANCHOR
 TO ALL BEARING 4 - 8d
 TO RAFTER. 6 - 8d X 1-1/2"

6.2 PRE-ENGINEERED WOOD TRUSSES:
 6.2.1 SUBMITTALS: THE FOLLOWING ITEMS SHALL BE SUBMITTED AND APPROVED PRIOR TO FABRICATION OF TRUSSES.
 1. SHOP DRAWINGS: INDICATE TRUSS LOCATIONS, MARKS, PROFILES, DIMENSIONS BRACING REQUIREMENTS AND CONNECTION DETAILS. PROVIDE WEB MEMBER BRACING REQUIREMENTS AND LOADS.
 2. PRODUCT DATA: INDICATE SPECIES, GRADE AND STRENGTH OF MEMBERS.
 3. DESIGN DATA: PROVIDE SUPERIMPOSED DEAD LOADS LIVE LOADS AND WIND LOADS. FURNISH STRUCTURAL ANALYSIS CALCULATIONS INDICATING MEMBER STRESS REACTIONS AND DEFLECTIONS.
 4. ALL TRUSS CONNECTIONS SHALL BE STAMPED BY A STRUCTURAL ENGINEER REGISTERED IN THE STATE WHERE TRUSSES ARE INSTALLED.
 MATERIALS: LUMBER SPECIES, GRADE, SPECIFIC GRAVITY AND STRENGTH SHALL BE SELECTED BY THE TRUSS MANUFACTURER, AS REQUIRED, TO COMPLY WITH THE DESIGN DATA, DESIGN CRITERIA AND DEFLECTION CRITERIA STATED HEREIN.
 6.2.3 TEMPORARY BRACING: THE TRUSS MANUFACTURER SHALL ATTACH RECOMMENDATIONS FOR TEMPORARY BRACING TO THE SHOP DRAWINGS. WHERE NECESSARY, GROUND BRACING SHALL BE PROVIDED TO STABILIZE THE FIRST SET OF TRUSSES UNTIL TEMPORARY BRACING IS REPLACED BY ROOF SHEATHING AND PERMANENT BRACING.
 6.2.4 PERMANENT BRACING: TRUSS TOP CHORDS ARE BRACED BY ROOF SHEATHING. BOTTOM CHORDS ARE BRACED BY DIRECT APPLIED CEILING SYSTEM. WEB MEMBERS ARE BRACED BY A SWAY BRACING SYSTEM INDICATED ON DRAWINGS. SWAY BRACING SHALL BE INSTALLED AT LOCATIONS SPECIFIED BY TRUSS MANUFACTURER, BUT NOT LESS THAN THE NUMBER OF ROWS INDICATED ON THE DESIGN DRAWINGS.
 6.2.5 GIRDERS: TRUSSES: MANUFACTURER SHALL DESIGN FOR ALL UNIFORM AND CONCENTRATED LOADS. ALL TRUSS CONNECTIONS SHALL BE STAMPED BY A STRUCTURAL ENGINEER OR SECONDARY HARDWARE TO COMPLETE ALL TRUSS TO TRUSS CONNECTIONS. FURNISH DETAILS FOR CONNECTION OF INDIVIDUAL TRUSS PILES.
 6.2.6 INSTALLATION: COMPLY WITH HB-91 RECOMMENDATIONS FOR HANDLING, STORAGE AND ERECTION OF WOOD TRUSS.
 7.1 ANCHORAGE:
 7.1.1 ALL FIELD INSTALLED EXPANSION AND EPOXY ANCHORS SHALL BE APPROVED FOR THE TYPE AND INSTALLATION, FOR ITS APPLICATION, AND MATERIALS.
 7.1.2 MINIMUM ANCHOR EMBEDMENT, EDGE DISTANCE AND MINIMUM SPACING ARE AS FOLLOWS UNO:
 EXPANSION ANCHORS:
 BOLT DIAMETER (d) 1/4" 3/8" 1/2" 5/8" 3/4" 1"
 EMBEDMENT 2" 2.5" 3.5" 4" 4.75" 6"
 MIN. EDGE DISTANCE 3.25" 3.75" 5.5" 6" 7" 9"
 MIN. SPACING 4.5" 5" 7" 8" 10" 12"
 EPOXY ANCHORS:
 BOLT DIAMETER (d) 3/8" 1/2" 5/8" 3/4" 1"
 EMBEDMENT 3.5" 4.25" 5" 6.62" 8.25"
 MIN. EDGE DISTANCE 6" 6.5" 7.5" 10" 12.5"
 MIN. SPACING 5.25" 6.5" 7.5" 10" 12.5"

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PLANS PREPARED BY: AMBROSE ENGINEERING, INC. CEDARBURG, WI (AE# 020-317) 1

STATE PROJECT NUMBER: 1022-04-76 HWY: IH 94 COUNTY: DUNN

GENERAL NOTES
 MEMORONIE SWEF NO. 63

SCALE:

DATE: 8/1/2023
 SHEET NO.: S003

FINAL
 194

ABBREVIATIONS

(E)	AB	Anchor Bolt	ADDI	Addendum	ADDL	Additional	ADJ	Adjacent	AGG	Aggregate	AGGR	Aluminum	ALUM	Alternate, Alternating	ALT	Approximate	APPROX	ARCH	Architectural	ARCR	Arch	BB	Bond Beam	BCX	Bottom Chord	BD	Board	BLDG	Building	BLK	Block	BLKG	Blocking	BNI	Beam	BOF	Bottom of Flooring	BOS	Bottom of Steel	BOT	Bottom	BOW	Bottom of Wall	BRDG	Bearing, Bridge	BRG	Bearing	BSMT	Basement	BT	Bent	BTWN	Between	C	Camber	CANT	Castellated Channel	CANT	Castellated Beam	CB	Catch Basin	CFMU	Conc Form Masonry Unit	CHD	Chord	CLP	Cask-In-Place	CL	Control Joist	CL	Centerline	CLG	Ceiling	CLR	Clear (ance)	CMU	Conc Masonry Unit	COL	Column	CON	Concrete	CONN	Connection	CONSTR	Construction	CONT	Continuous	CONTR	Contractor	COORD	Coordinate	CP	Center Point	CRS	Course	CTR	Center	CU FT	Cubic Feet	CU YD	Cubic Yards	D	Depth	DBL	Double	DEPR	Depression	DIA	Diameter	DIAG	Diagonal	DK	Deck	DL	Dead Load	DLH	Deep Longspan Joist	DN	Down	DO	Ditto	DOT	Dot	DRAW	Drawing	DWG	Drawing	DWL	Dowel	(E)	Epoxy Coated Rebar	E	Elasticity Modulus	EA	Each	EB	Expansion Bolt	EE	Each End	EF	Each Face	EFIS	Ext Insul Fin System	EJ	Expansion Joint	ELEV	Elevation	ELEC	Electrical	EMBR	Embedment	EP	Embedded Plate	EPS	Expanded Polystyrene	EQ	Equal	EQUIP	Equipment	ES	Each Side	EV	Existing	EXIST	Existing	EXP	Expansion	EXT	Exterior	F _u	Flexural Bending Stress	F _c	Comp Stress 28 days	F _t	Tensile Stress	F _v	Shear Stress	FD	Floor Drain	FE	Foundation	FE	Full Elevation	FH	Full Height	MEZZ	Mezzanine	FR	Floor	FLR	Floor	FLG	Flange	FOC	Face of Concrete	FO	Face of Masonry	FOS	Face of Stud	FP	Face of Wall	FR	Fire Protection, Fireproof	FRMG	Framing	FTC	Foot, Foot	FUT	Future	FV	Field Verify	FW	Fire Wall	G	Girder	GA	Grade	GA	Grade	GB	General Contractor	GC	General Contractor	GEN	General	GIR	Girder	GL	Glu Lam	GLUM	Glu Laminated Wood	GR	Grade	GR BM	Grade Beam	GYP	Gypsum	H	Horizontal, Height	HDR	Header	HGR	Hanger	HM	Hollow Metal	HORIZ	Horizontal	HR	Hour	HS	Hollow Stud Section	HT	Height	HTAC	Heat/Vent/Air Cond	ICF	Insulating Conc Form	ID	Inside Diameter	IE	Invert Elevation	IF	Inside Face	INGL	Ingrade (ed) (ing)	INSUL	Insulate (ed) (lon)	INT	Interior	JB	Joist Bearing	JG	Joist Girder	JST	Joist Substitute	JT	Joint	K	Kips	KCS	K-Series Steel Joist	KLF	K-Joist Constant Shear	KSI	Kips per Lineal Foot	KSQ	Kips per Square Inch	L	Angle	LAM	Laminated	LG	Long, Length	LH	Longspan Steel Joist	LL	Long Leg	LLH	Long Leg Horizontal	LLV	Long Leg Vertical	LO	Low	LONG	Longitudinal	LST	Lam Strand Lumber	LTL	Light Lumber	LVL	Lam Veneer Lumber	M	Misc Beam	MAS	Masonry	MAX	Maximum	MBR	Member	MCH	Misc Channel	MCH	Mechanical	MED	Medium	MEZZ	Mezzanine	MFR	Manufacturer	MH	Manhole	MIN	Minimum	MISC	Miscellaneous	MISC	Miscellaneous	MO	Masonry Opening	MTL	Metal	N	Not in Contract	NIC	Not to Scale	NIS	Not to Scale	OA	Overall	OAD	Overall Dimension	OC	On Center	OD	Outside Diameter	OB	Opposite	OH	Opposite Hand	OPNG	Opening	OPP	Opposite	OSB	Oriented Strand Board	PAF	Powder Actuated Fastener	PC	Piece	PC	Precast	PCF	Pounds per Cubic Inch	PERIM	Perimeter	PLG	Plate	PLG	Plate	PLF	Pounds per Lineal Foot	PLK	Plank	PLYWD	Plywood	PNL	Panel	PR	Pair	PS	Pounds per Sq Foot	PS	Parallel Strand Lumber	PSL	Parallel Strand Lumber	PT	Pressure Treated	R	Radius	RAD	Radius	RAD	Reinforcing Requirement(s)	REV	Revised	REV	Revised	REV	Revised	RTO	Rough Opening	RTU	Roof Top Unit	RW	Retaining Wall	S	Standard	SCHED	Schedule	SD	Slab	SECT	Section	SFS	Square Feet	SHT	Sheet	SHG	Shingle	SI	Started	SI	Started Insert	SL	Slab	SL	Slab	SL	Superimposed Load	SLH	Super Longspan Joist	SLS	Slab on Grade	SOS	Self Drilling Screw	SP	Special (for Joists)	SPCL	Special	SPCL	Specification	SPF	Spruce, Pine, Fir	SQ	Square	SS	Stainless Steel	ST	Stiffener	STIF	Stiffener	STL	Steel	STRUCT	Structural	SUB	Substitute	SUSP	Suspended	T	Tread	T&G	Tongue and Groove	TB	Truss Bearing	TC	Top Chord	TC	Top Chord Extension	TK	Thickened	TK	Thickened	TK	Thickened	TL	Total Load	TO	Top of	TOC	Top of Concrete	TOP	Top of Deck	TOP	Top of Footing	TOP	Top of Beam	TOM	Top of Masonry	TOP	Top of Panel	TOP	Top of Pier	TOPP	Topping	TOS	Top of Steel	TOW	Top of Wall	TOW	Top of Wall	TRANS	Transverse	TYP	Typical	UL	Underwriters Lab	UNEXC	Unexcavated	UNEXC	Unexcavated	UR	Unless Noted Otherwise	UR	Unless	V	Vertical	VERT	Vertical	VLD	Vertical Leg Down	VLU	Vertical Leg Up	W	Width, Wide	W	Wide Flange Beam	w/	with	w/o	without	WD	Wood	WHD	Wood Headed Stud	WPS	Working Point	WT	Wide Flange Tee	WMM	Welded Wire Mesh
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Addendum No. 01
 ID 1022-04-76
 Revised Sheet 195
 November 6, 2023

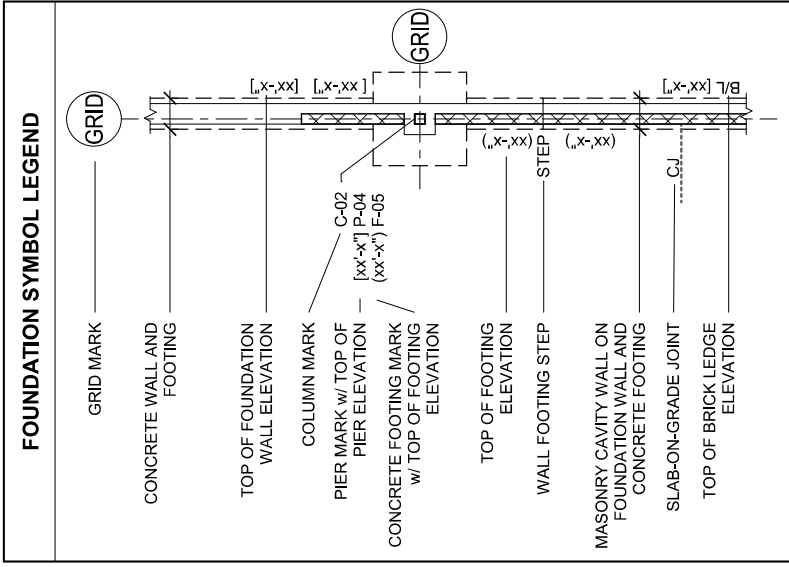
Addendum No. 1
 ID 1022-04-76
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 November 2, 2023

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SLAB ON GRADE NOTES
1. FINISHED FLOOR - EL 100'-0" (unless noted otherwise) FIN FLRS FOR REFERENCE ONLY - SEE CIVIL DWGS FOR DATUM INFORMATION
2. SEE ARCHITECTURAL DRAWINGS FOR UNDER SLAB INSULATION REQUIREMENTS
3. SEE DETAIL 1/S504 FOR SLAB JOINT DETAILS.
4. STOOP SLABS 5" SLAB w/ #3 @ 12" OC EACH WAY (UP TO 6'-0") 7" SLAB w/ #4 @ 10" OC EACH WAY (UP TO 8'-0")

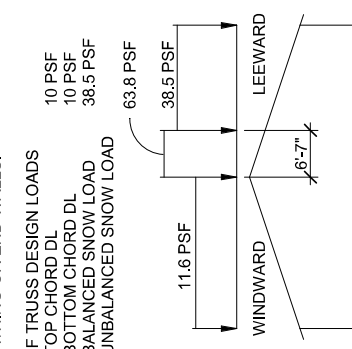
CONCRETE FOUNDATION NOTES
1. FINISHED FLOOR - EL 100'-0" (unless noted otherwise)
2. (xx'-x") INDICATES TOP OF FOOTING ELEVATION TOF - EL 94'-6" (unless noted otherwise)
3. [xx'-x"] INDICATES TOP OF FOUNDATION WALL ELEVATIONS. TOW - EL 100'-0" (unless noted otherwise)
4. WALL FOOTINGS - 2'-0" X 12" NO REINF (unless noted otherwise) STOOPS - 1'-4" X 8" NO REINF (unless noted otherwise)
5. CONCRETE FOUNDATION WALL REINFORCING (2) #5 CONT TOP AND BOTTOM (unless noted otherwise)
6. ALL CONCRETE REINFORCING TO BE EPOXY COATED
7. SEE ARCH PLANS FOR LOCATION OF NON-BEARING WALLS.
8. COORDINATE ALL FLOOR DRAINS AND PITCHED SLABS WITH ARCHITECTURAL AND PLUMBING DRAWINGS.
9. SEE DETAIL 1/S501 AND 2/S501 FOR TYPICAL CONCRETE FOUNDATION WALL DETAILS.
10. SEE DETAIL 1/S502 FOR TYPICAL PIPE PENETRATIONS THROUGH FOUNDATIONS.



PLANS PREPARED BY: AMBROSE ENGINEERING, INC. CEDARBURG, WI (AE# 020-317)
 STATE PROJECT NUMBER: 1022-04-76 HWY: IH 94 COUNTY: DUNN
 FOUNDATION NOTES & SCHEDULE
 MEMORIE SWEF NO. 63
 SCALE: 5005
 DATE: 8/1/2023
 SHEET NO.: 196
 FINAL

WOOD TRUSS FRAMING NOTES

1. ROOF SHEATHING: 5/8" PLYWOOD ROOF SHEATHING
2. ROOF SHEATHING NAILING:
 PANEL EDGE - 8d @ 6" OC
 PANEL INTERIOR - 8d @ 12" OC
 DIAPHRAGM BOUNDARY - 8d @ 6" OC
 SHEATHING EDGES TO BE UNBLOCKED
3. TB xxx'-x" INDICATES TRUSS BEARING ELEVATIONS
4. FRAME ALL HVAC ROOF OPENINGS w/ 2x4
5. TRUSSES SHALL BE DESIGNED FOR THE LOADS INDICATED IN GENERAL NOTE 1.1.3 AND ANY ADDITIONAL LOADS, INCLUDING DRIFTING SNOW LOADS, SHOWN ON THIS PLAN.
6. TEMPORARY TRUSS BRACING: SHALL BE PROVIDED BY THE GENERAL CONTRACTOR TO RESIST WIND AND ERECTION LOADS, UNTIL PERMANENT BRACING IS INSTALLED.
7. TEMPORARY BRACING: SHALL BE SELECTED BY OTHERS BUT SHALL NOT BE LESS THAN 2x4 @ 6'-0" OC AT TOP CHORDS, 8'-0" OC AT BOTTOM CHORDS AND 20'-0" OC AT WEB MEMBERS.
8. IN ADDITION TO ROOF SHEATHING AND OTHER PERMANENT BRACING AS INDICATED ON DRAWINGS, PROVIDE HORIZONTAL/DIAGONAL WEB MEMBER BRACING AS SPECIFIED BY THE TRUSS DESIGNER.
9. TRUSSES SUPPORTING PIGGYBACK TRUSSES OR OTHER OVER FRAMING SHALL HAVE THE TOP CHORDS BRACED WITH 2x4 @ 24" o/c UNO. PROVIDE ADDITIONAL TOP CHORD BRACING AS SPECIFIED BY THE TRUSS DESIGNER. CONNECT BRACING TO THE ROOF SHEATHING OR END WALLS.
10. ROOF TRUSS DESIGN LOADS
 TOP CHORD DL 10 PSF
 BOTTOM CHORD DL 10 PSF
 BALANCED SNOW LOAD 38.5 PSF
 UNBALANCED SNOW LOAD 63.8 PSF



WOOD LINTEL SCHEDULE

MARK	SIZE	SHOULDER / KING STUD EACH END	COMMENTS
WL-01	(3) 2x8	2 / 2	
WL-02	(2) 2x10	2 / 2	
WL-03	(3) 2x10	2 / 2	
WL-04	(3) 2x10	3 / 2	
WL-05	(2) 2x12	2 / 2	
WL-06	(2) 1 3/4 x 11 1/4 LVL	2 / 2	
WL-07	5 1/2" x 11 7/8" PSL	3 / 2	

• SEE SHEET S807 FOR TYP LINTEL SECTIONS AND DETAILS

EXISTING CONDITIONS NOTE

1. ALL EXISTING CONDITIONS TO BE FIELD MEASURED AND FIELD VERIFIED PRIOR TO FABRICATION OR CONSTRUCTION. IN CASE OF DISCREPANCY BETWEEN PLANS & FIELD CONDITIONS NOTIFY ARCHITECT. DO NOT PROCEED UNTIL THE CONDITIONS ARE RESOLVED.
2. SEE ARCHITECTURAL DRAWINGS FOR DEMOLITION INFORMATION NOT SHOWN ON THIS DRAWING.
3. SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN ON THIS DRAWING.
4. CONTRACTORS ARE RESPONSIBLE FOR CORRECT AND COMPLETE USE OF INFORMATION PROVIDED IN CONSTRUCTION DOCUMENTS. IN CASE OF MISSING INFORMATION OR DISCREPANCY NOTIFY ARCHITECT OR ENGINEER. DO NOT PROCEED UNTIL THE CONDITIONS ARE RESOLVED.

Addendum No. 01
 ID 1022-04-76
 Revised Sheet 197
 November 6, 2023

PLANS PREPARED BY: AMBROSE ENGINEERING, INC. CEDARBURG, WI (AE# 020-317)

STATE PROJECT NUMBER: 1022-04-76

HWY: IH 94

COUNTY: DUNN

FRAMING NOTES

MEMORONIE SWEF NO. 63

SCALE:

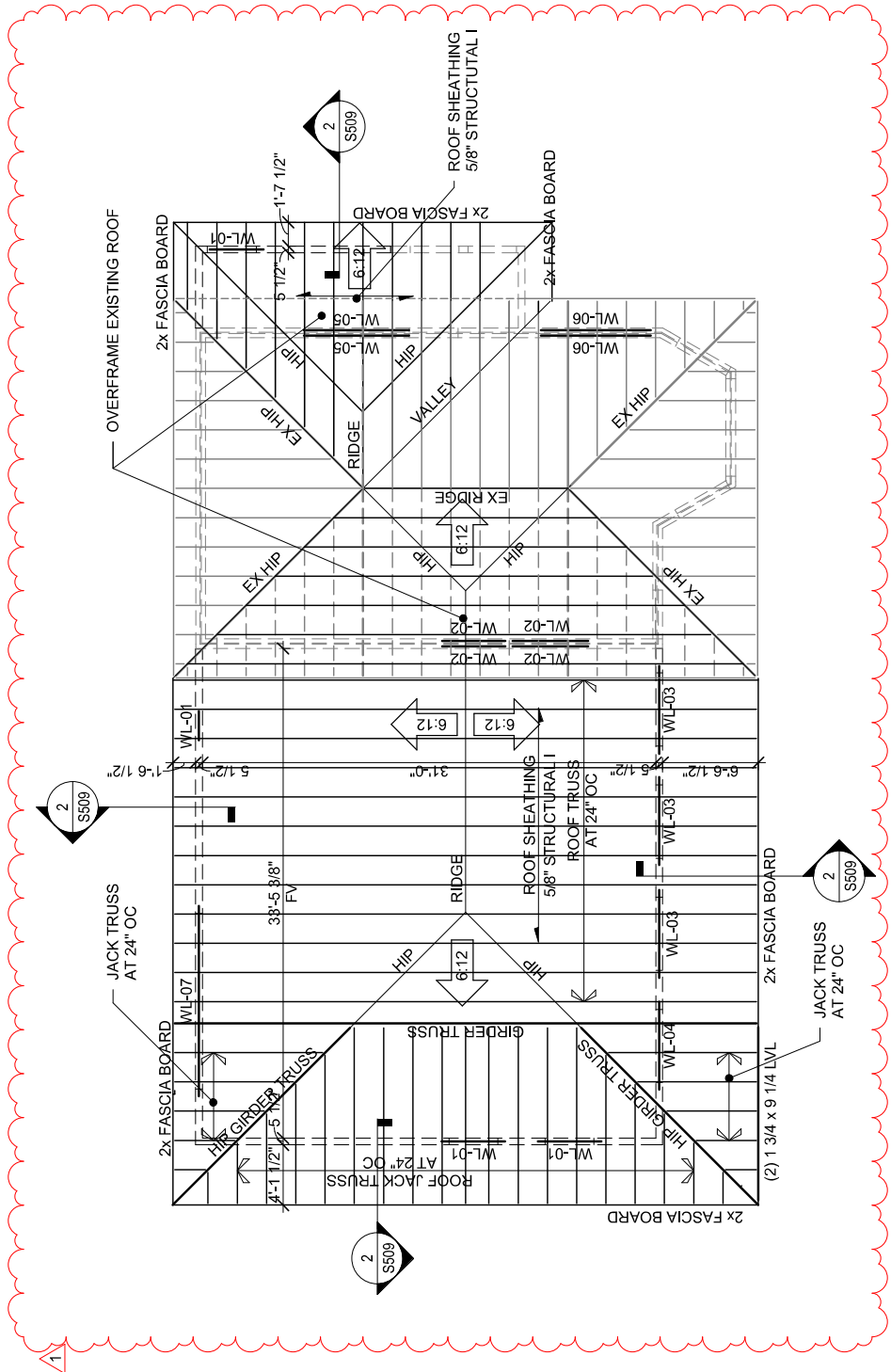
DATE: 8/1/2023

SHEET NO: S006

FINAL

197

Addendum No. 01
 ID 1022-04-76
 Revised Sheet 199
 November 6, 2023



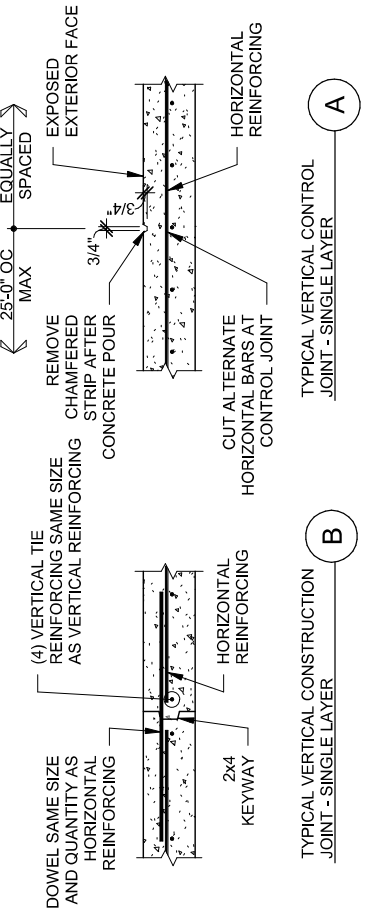
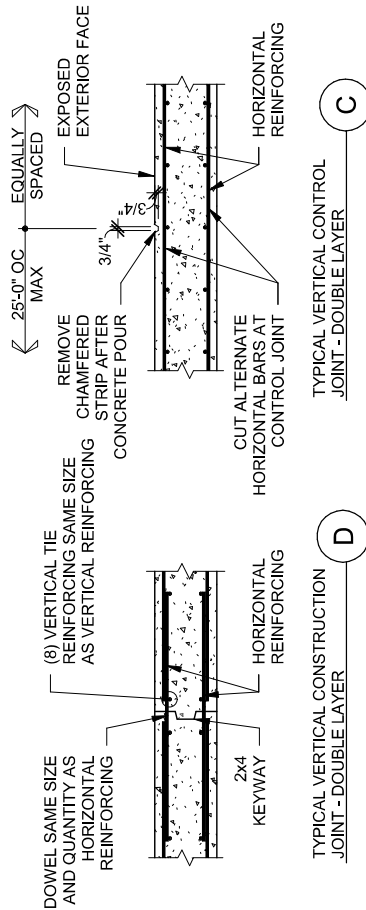
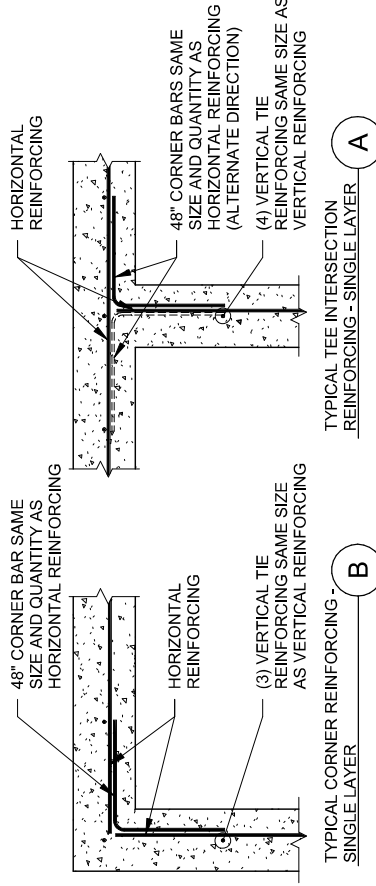
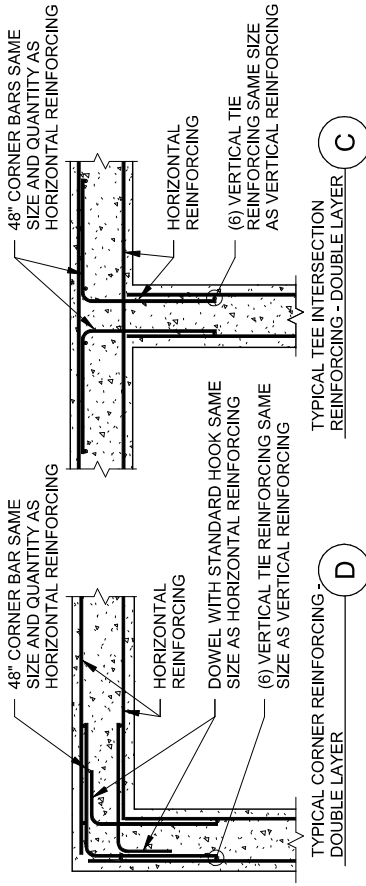
Roof Framing Plan

SCALE: 1/8" = 1'-0"

Addendum No. 1
 ID 1022-04-76
 Revised Sheet: 199
 November 2, 2023

PLANS PREPARED BY: AMBROSE ENGINEERING, INC. CEDARBURG, WI (AEI# 020-317)	ROOF FRAMING PLAN	DATE: 8/1/2023	FINAL
STATE PROJECT NUMBER: 1022-04-76-1	MEMOMONIE SWEF NO. 63	SHEET NO: S102	199
HWY: IH 94	COUNTY: DUNN	SCALE:	

Addendum No. 01
 ID 1022-04-76
 Revised Sheet 200
 November 6, 2023



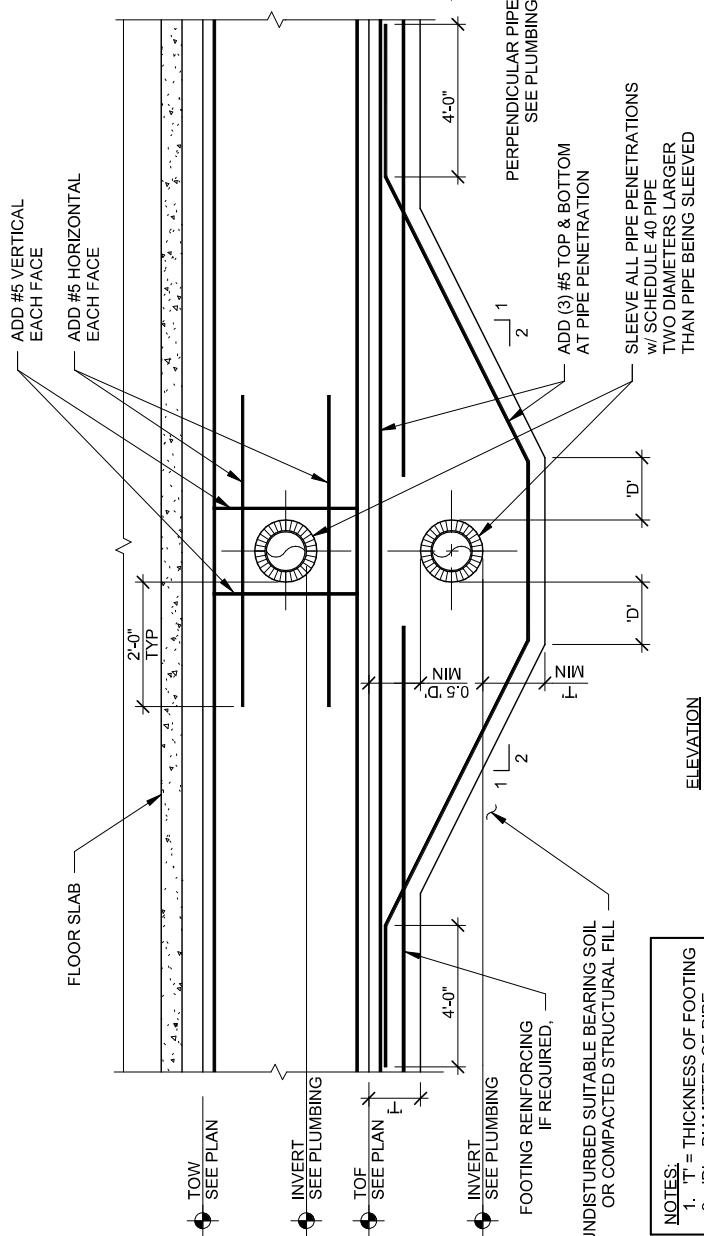
1 TYPICAL CONCRETE FOUNDATION WALL REINFORCING

2 TYPICAL CONCRETE WALL JOINTS

SCALE: 1/2" = 1'-0"	SCALE: 1/2" = 1'-0"
FOUNDATION SECTIONS & DETAILS	FOUNDATION SECTIONS & DETAILS
DATE: 8/1/2023	DATE: 8/1/2023
SHEET NO: S501	SHEET NO: S501
FINAL	FINAL
MEMORIE SWEF NO. 63	MEMORIE SWEF NO. 63
SCALE:	SCALE:
COUNTY: DUNN	COUNTY: DUNN
HWY: IH 94	HWY: IH 94
STATE PROJECT NUMBER: 1022-04-76	STATE PROJECT NUMBER: 1022-04-76
PLANS PREPARED BY: AMBROSE ENGINEERING, INC. CEDARBURG, WI (AE# 020-317)	PLANS PREPARED BY: AMBROSE ENGINEERING, INC. CEDARBURG, WI (AE# 020-317)
S501	S501

Addendum No. 1
 ID 1022-04-76
 Revised Sheet: 200
 November 2, 2023

Addendum No. 01
 ID 1022-04-76
 Revised Sheet 201
 November 6, 2023



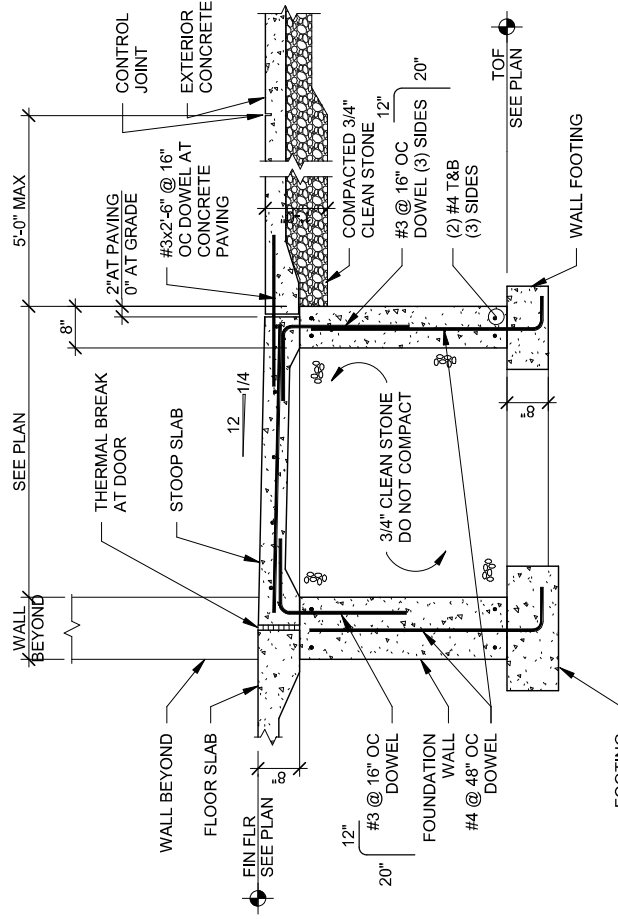
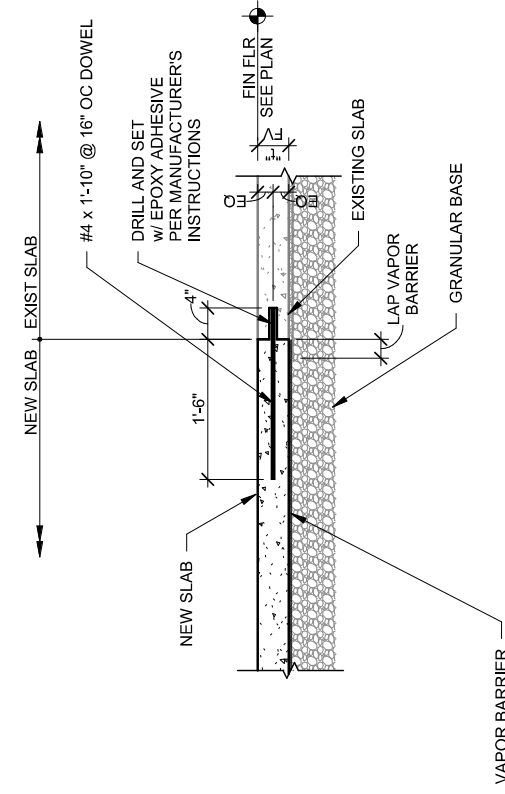
NOTES:
 1. 'T' = THICKNESS OF FOOTING
 2. 'D' = DIAMETER OF PIPE.

1 TYPICAL PENETRATION THROUGH CONCRETE WALL AND FOOTING

SCALE: 1/2" = 1'-0"
 S502
 PLANS PREPARED BY: AMBROSE ENGINEERING, INC. CEDARBURG, WI (AE# 020-317)
 COUNTY: DUNN
 FOUNDATION SECTIONS & DETAILS
 MEMORIE SWEF NO. 63
 SCALE: S502
 DATE: 8/1/2023
 SHEET NO: 201
 FINAL

Addendum No. 1
 ID 1022-04-76
 Revised Sheet: 201
 November 2, 2023

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 ID 1022-04-76
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 November 6, 2023



1 TYPICAL NEW TO EXISTING SLAB JOINT

S503

SCALE: 3/4" = 1'-0"

FOUNDATION SECTIONS & DETAILS

DATE: 8/1/2023

FINAL

MEMORIE SWEF NO. 63

SHEET NO: S503

202

2 TYPICAL STOOP SLAB AT DOOR

S503

SCALE: 1/2" = 1'-0"

PLANS PREPARED BY: AMBROSE ENGINEERING, INC. CEDARBURG, WI (AE# 020-317)

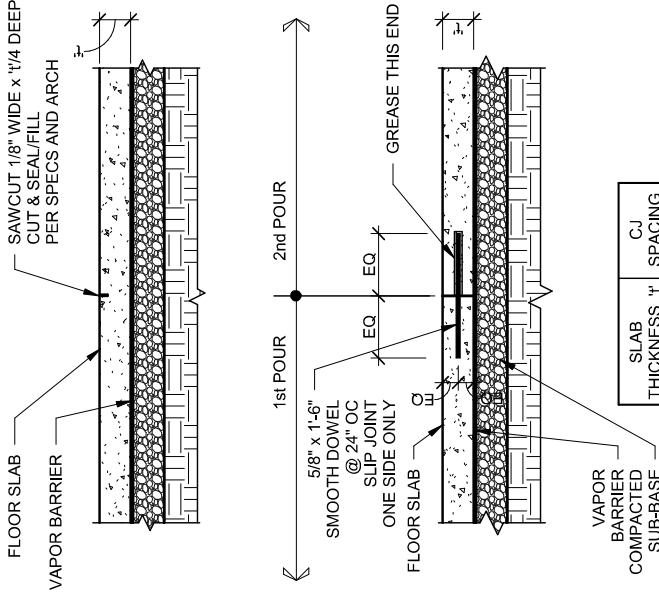
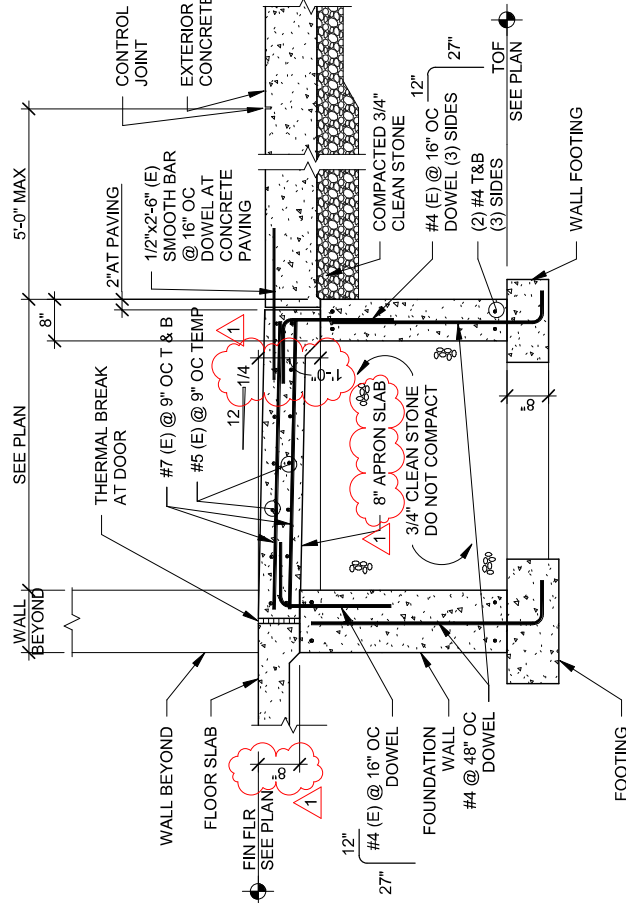
COUNTY: DUNN

HWY: IH 94

STATE PROJECT NUMBER: 1022-04-76

Addendum No. 1
 ID 1022-04-76
 Revised Sheet: 202
 November 2, 2023

Addendum No. 01
 ID 1022-04-76
 Revised Sheet 203
 November 6, 2023



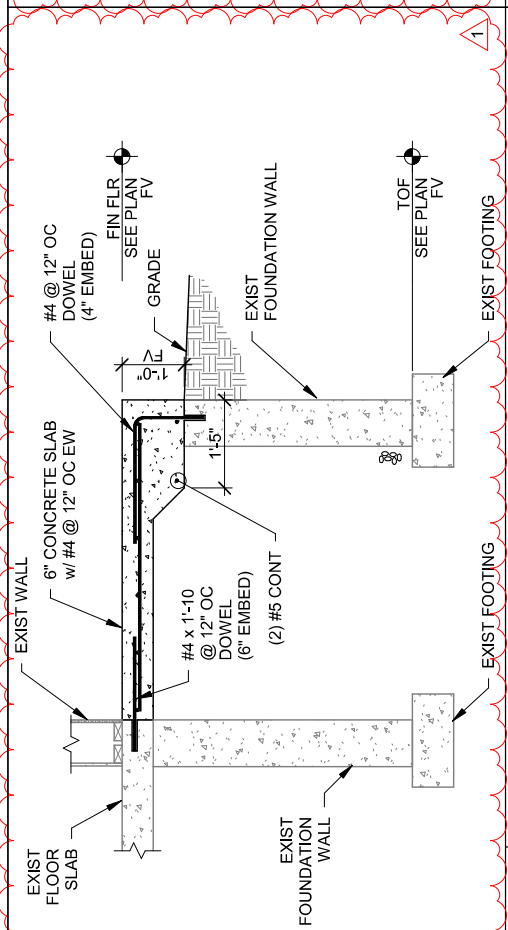
2 TYPICAL APRON SLAB AT DOOR

1 TYPICAL SLAB JOINTS

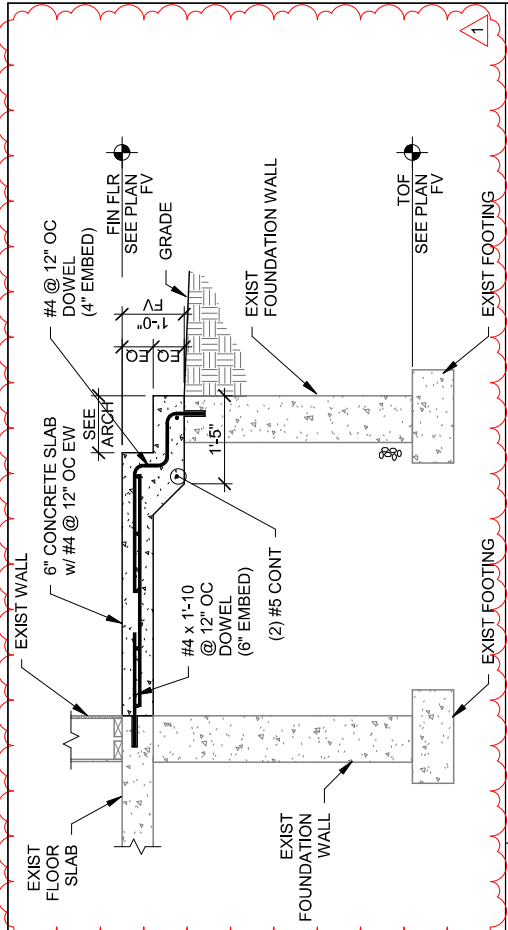
S504	SCALE: 1/2" = 1'-0"	FOUNDATION SECTIONS & DETAILS	
	SCALE: 3/4" = 1'-0"	DATE: 8/1/2023	FINAL
PLANS PREPARED BY: AMBROSE ENGINEERING, INC. CEDARBURG, WI (AEI# 020-317)		SHEET NO:	203
STATE PROJECT NUMBER: 1022-04-76		SCALE:	S504
COUNTY: DUNN		MEMORIONIE SWEF NO. 63	

Addendum No. 1
 ID 1022-04-76
 Revised Sheet: 203
 November 2, 2023

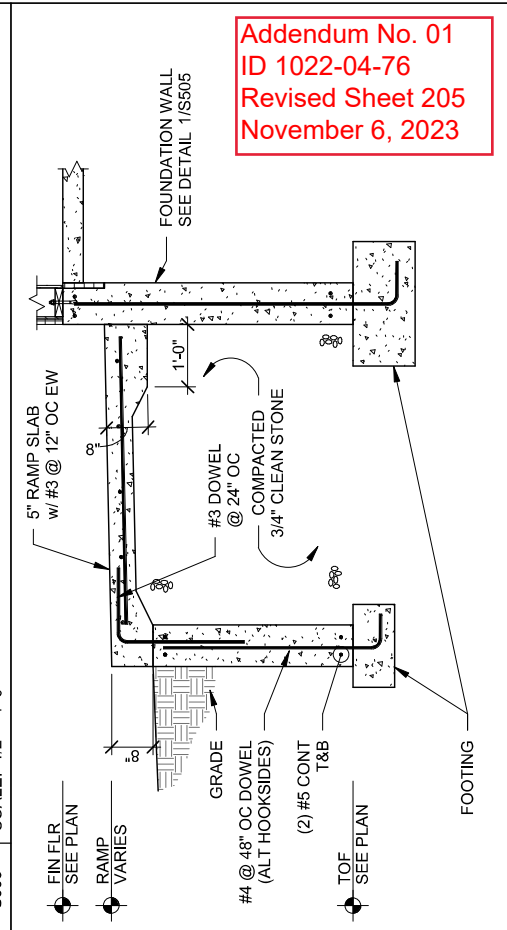
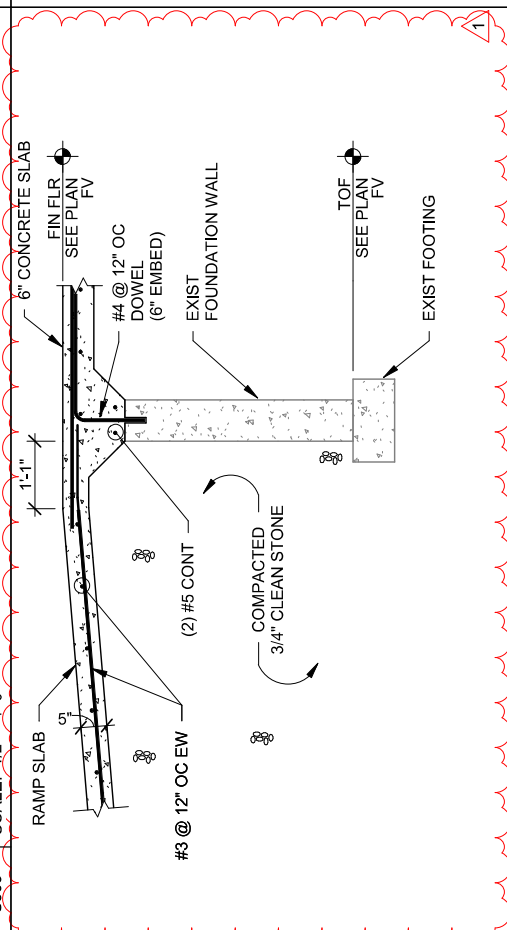
Addendum No. 1
 ID 1022-04-76
 Revised Sheet: 205
 November 2, 2023



4 SECTION
 S506 SCALE: 1/2" = 1'-0"



3 SECTION
 S506 SCALE: 1/2" = 1'-0"



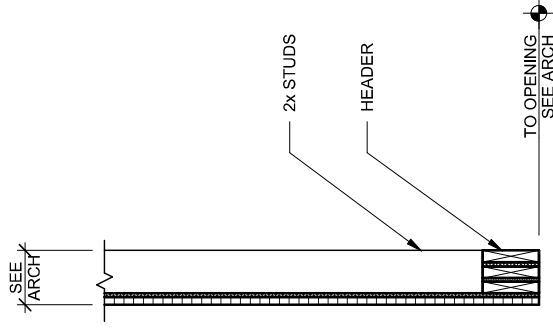
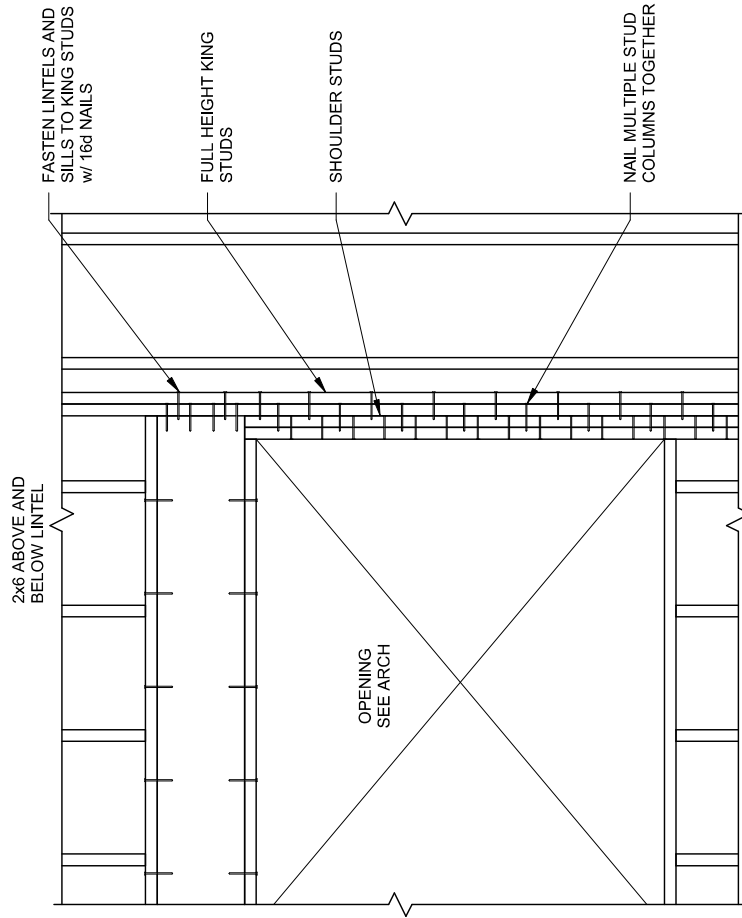
2 RAMP SECTION
 S506 SCALE: 1/2" = 1'-0"

1 RAMP SECTION
 S506 SCALE: 1/2" = 1'-0"

Addendum No. 01
 ID 1022-04-76
 Revised Sheet 205
 November 6, 2023

PLANS PREPARED BY: AMBROSE ENGINEERING, INC. CEDARBURG, WI (AE# 020-317)	DATE: 8/1/2023	SHEET NO: 205
STATE PROJECT NUMBER: 1022-04-76	SCALE: S506	FINAL
COUNTY: DUNN	MEMORIONIE SWEF NO. 63	

Addendum No. 01
 ID 1022-04-76
 Revised Sheet 206
 November 6, 2023



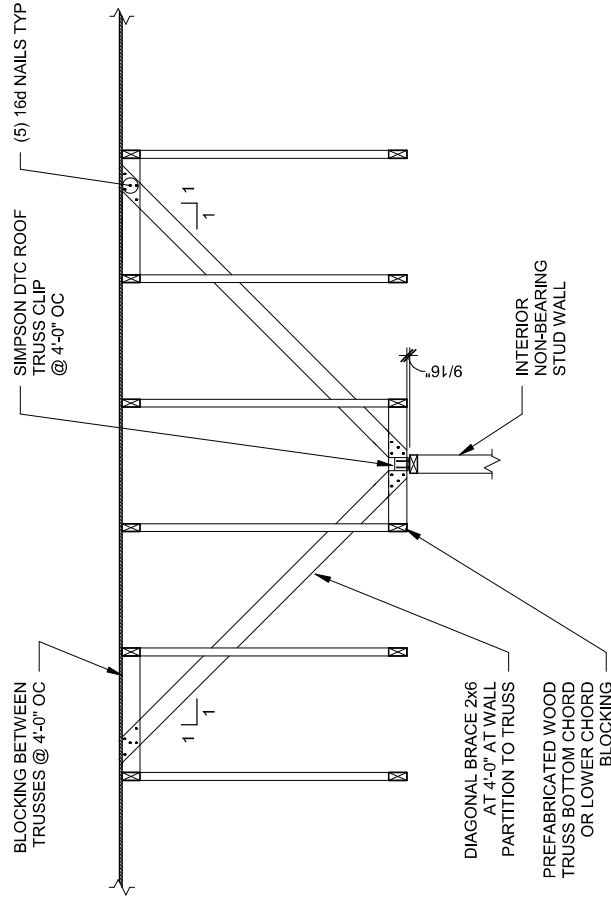
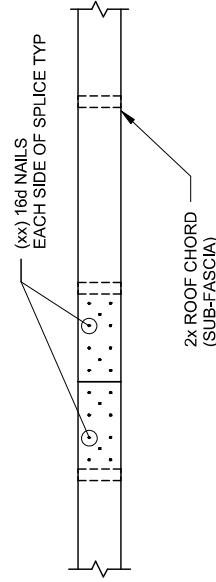
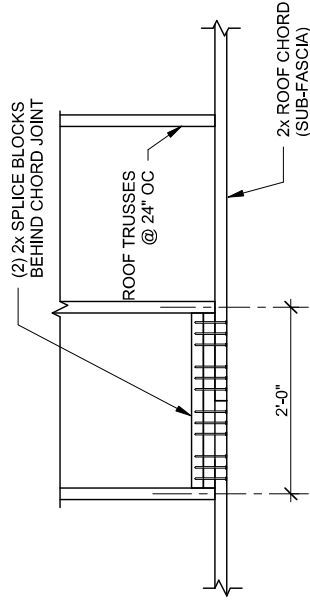
2 TYP WOOD LINTEL ELEVATION

1 LINTEL TYPE H

S507	SCALE: 3/4" = 1'-0"	FRAMING SECTIONS & DETAILS	DATE: 8/1/2023	SHEET NO: 206
PLANS PREPARED BY: AMBROSE ENGINEERING, INC. CEDARBURG, WI (AE# 020-317)	SCALE: 3/4" = 1'-0"	MENOMONIE SWEF NO. 63	SHEET NO: S507	FINAL
STATE PROJECT NUMBER: 1022-04-76	HWY: IH 94	COUNTY: DUNN	SCALE:	

Addendum No. 1
 ID 1022-04-76
 Revised Sheet: 206
 November 2, 2023

Addendum No. 01
 ID 1022-04-76
 Revised Sheet 207
 November 6, 2023



2 NON-BEARING WALL TO TRUSS BOTTOM CHORD

S508 SCALE: 1/2" = 1'-0"
 FRAMING SECTIONS & DETAILS
 MEMORONIE SWEF NO. 63
 COUNTY: DUNN

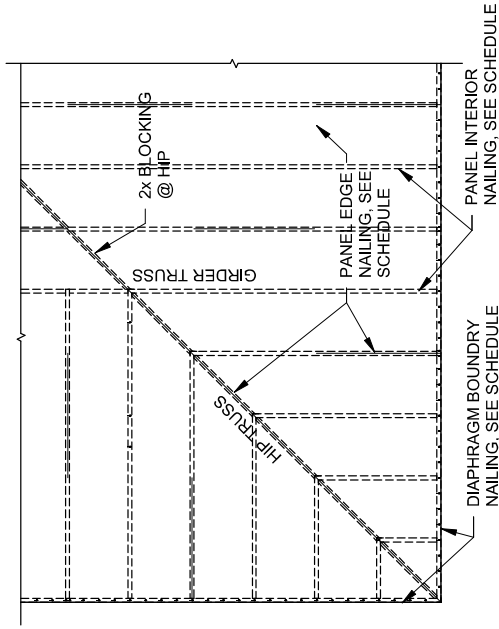
1 ROOF CHORD SPLICE - NAILED

S508 SCALE: 3/4" = 1'-0"
 DATE: 8/1/2023
 SHEET NO.: S508
 FINAL
 207

Addendum No. 1
 ID 1022-04-76
 Revised Sheet: 207
 November 2, 2023

PLANS PREPARED BY: AMBROSE ENGINEERING, INC. CEDARBURG, WI (AE# 020-317)
 STATE PROJECT NUMBER: 1022-04-76

Addendum No. 01
 ID 1022-04-76
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 November 6, 2023



PLAN VIEW:
 FLAT OR GABLE END ROOF
 AND FLOOR SHEATHING
 ORIENTATION / NAILING

1

HIP ROOF BLOCKED DIAPHRAGM NAILING

SCALE: 1/4" = 1'-0"

S509

FRAMING SECTIONS & DETAILS

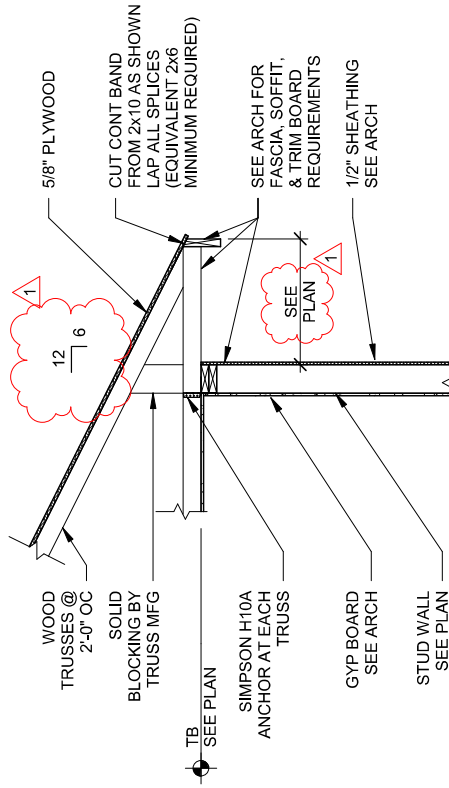
DATE: 8/1/2023

FINAL

MEMORONIE SWEF NO. 63

SHEET NO: S509

208



2

ROOF SECTION AT EAVE

SCALE: 1/2" = 1'-0"

S509

PLANS PREPARED BY: AMBROSE ENGINEERING, INC. CEDARBURG, WI (AE# 020-317)

COUNTY: DUNN

STATE PROJECT NUMBER: 1022-04-76

HWY: IH 94

Addendum No. 1
 ID 1022-04-76
 Revised Sheet: 208
 November 2, 2023

Addendum No. 01
ID 1022-04-76
Revised Sheet 280
November 6, 2023

DELINEATORS		204-0180		633-0100		633-0500	
PROJECT	CATEGORY	LOCATION	STATION - STATION	REMOVING DELINEATORS AND MARKERS (EACH)	DELINEATOR POSTS STEEL (EACH)	DELINEATOR REFLECTORS (EACH)	
1022-04-76	0010	IH 94 RAMP	404+00 'R' - 412+00 'R'	4	16	25	
		IH 94 RAMP	412+00 'R' - 420+00 'R'	-	10	10	
		IH 94 RAMP	420+00 'R' - 431+00 'R'	-	20	26	
		EAST & WEST LOOP	11+50 'L' - 20+50 'L'	-	28	28	
		IH 94 WB	475+00 'WB' - 485+00 'WB'	6	6	6	
PROJECT 1022-04-76 TOTAL				10	80	95	

CRASH CUSHION

PROJECT 1022-04-76 CAT. STAGE	LOCATION	CRASH CUSHIONS TEMPORARY (EACH)	BACK WIDTH FT	OBJECT MARKING PATTERN	CRASH TEST LEVEL	TRAFFIC DIRECTION	TRAFFIC LOCATION	CRASH CUSHION SHIELDS
0010 IH 94 - STAGE 1	494+07'WB - 2'RT	1	4	OM-3L(WOS-58L)	TL-3	WB	RT	TEMP. CONC. BARRIER
0010 IH 94 - STAGE 2	494+07'WB - 2'RT	1	4	OM-3L(WOS-58L)	TL-3	WB	RT	TEMP. CONC. BARRIER
0010 IH 94 - STAGE 3A	494+28'WB - 2'RT	1	4	OM-3L(WOS-58L)	TL-3	WB	RT	TEMP. CONC. BARRIER
US 12 - STAGE 2	49+00'V 12' LT	1	4	OM-3L(WOS-58L)	TL-3	EB	RT	TEMP. CONC. BARRIER
US 12 - STAGE 2	62+50'V 12' LT	1	4	OM-3L(WOS-58L)	TL-3	WB	RT	TEMP. CONC. BARRIER
US 12 - STAGE 3A	49+00'V 12' RT	1	4	OM-3R(WOS-58R)	TL-3	EB	LT	TEMP. CONC. BARRIER
US 12 - STAGE 3A	62+50'V 12' RT	1	4	OM-3R(WOS-58R)	TL-3	WB	LT	TEMP. CONC. BARRIER
PROJECT 1022-04-76 TOTAL								

PROJECT CAT.	LOCATION	LENGTH OF STAGE	DELINEATORS TEMPORARY (EACH)	DRUMS (DAT)	BARRICADES TYPE III (DAT)	WARNING LIGHTS TYPE A (DAT)	ARROW BOARDS (DAT)	SIGNS (DAT)	COVERING SIGNS TYPE I (EACH)	SIGNS POMS (DAT)	CONCRETE BARRIER TEMPORARY/PRECAST DELIVERED (LF)	INSTALLED (LF)	BASIC SPECIFIC QUEUE WARNING SYSTEM (DAT)	INTERIM LANE CLOSURE (EACH)	SPV 0045.001 CONNECTED WORK ZONE NOTIFICATION SYSTEM (DAT)	TRAFFIC SIGNALS FOR BRIDGES (W/S) (EACH)	
1022-04-76			633.1100	643.0300	643.0420	643.0705	643.0705	643.0800	643.0910	643.1050	603.8000	603.8125	643.1205 S	643.4100	643.0045.001	661.0101.001	
0010	IH 94 - STAGE 1	30	-	1,650	-	-	180	30	-	7	7,925	7,925	30	30	30	-	
	WB MEDIAN BARRIER PLACEMENT	3	-	165	9	6	51	3	-	-	-	-	3	3	3	-	
	EB MEDIAN BARRIER PLACEMENT	3	-	165	9	6	51	3	-	7	-	-	3	3	3	-	
	IH 94 - STAGE 2	45	100	1,575	135	270	1,485	30	-	-	-	-	45	45	45	-	
	IH 94 - STAGE 3A	30	46	1,650	-	-	180	30	-	-	1,875	4,125	30	30	30	-	
	IH 94 - STAGE 3B	5	-	275	-	-	15	5	-	-	-	-	5	5	5	-	
	US 12 - STAGE 1	5	-	-	-	-	-	50	-	-	-	-	-	-	-	-	
	US 12 - STAGE 2	30	13	2,400	90	180	1,890	60	-	-	1,350	1,350	-	-	-	1	
	US 12 - STAGE 3A/B	21	13	1,680	63	126	1,323	42	-	-	1,350	1,350	-	-	-	-	
	WB IH 94 MAINTENANCE XOVER (402/430)	10	-	1,100	20	40	340	10	-	-	-	-	10	10	10	-	
	WB IH 94 WIM OUTSIDE SHOULDER CLOSURE	10	-	550	30	20	170	10	-	-	-	-	10	10	10	-	
	OFF-RAMP CLOSURE	266	-	10,640	1,330	1,064	1,595	-	4	7	-	-	10	10	10	-	
	UNDISTRIBUTED	-	-	750	14	38	-	-	-	14	-	-	-	-	-	-	
PROJECT 1022-04-76 TOTAL				172	22,600	1,700	7,286	193	5,000	4	11,150	17,000	136	136	136	136	1

Addendum No. 01
 ID 1022-04-76
 Revised Sheet 282
 November 6, 2023

3

TRAFFIC CONTROL TEMPORARY MARKING

PROJECT	CATEGORY	LOCATION	LINE PAINT 6-INCH		TEMPORARY MARKING		RAISED PAVEMENT MARKER TYPE II (EACH)	MARKING REMOVAL LINE 4-INCH (LF)
			WHITE (LF)	YELLOW (LF)	STOP LINE 18-INCH WHITE (LF)	STOP LINE 18-INCH WHITE (LF)		
1022-04-76	0010	IH 94 - STAGE 1	11,000	5,500	-	-	80	2,000
		IH 94 - STAGE 2	5,780	4,625	-	-	-	3,130
		IH 94 - STAGE 3	1,475	-	24	-	-	2,400
		US 12 - STAGE 1	1,420	-	48	-	-	-
		US 12 - STAGE 2	-	-	-	-	-	-
		US 12 - STAGE 3	-	-	-	-	-	-
PROJECT 1022-04-76 TOTAL			19,675	10,125	48	80	7,530	

3

PROJECT	CATEGORY	LOCATION	STATION - STATION	646.2020		646.2040		646.2050		646.4020	646.5120	646.6220	646.7020	646.7120	646.7220	646.8320
				YELLOW SOLID (LF)	YELLOW 3' SEG, 9" GAP (LF)	EPOXY 6-INCH (YELLOW) (LF)	WET REF. EPOXY 6-INCH (YELLOW) (LF)	GROOVED TAPE 6-INCH (BLACK) (LF)	GROOVED TAPE 6-INCH (WHITE) (LF)							
1022-04-76	0010	IH 94 RAMP EAST & WEST LOOP CANY PARKING EMPLOYEE PARKING IH 94 VIB USH 12/29	406+00'R - 431+00'R 11+50'L - 21+50'L 50+00'PK - 53+00'PK 50+00'TP - 50+68'TP 469+00'WB - 781+00'WB 55+00'V - 61+00'V	2,940 900 1,000 0 3,725 3,300	- 45 - - 940 415	- - - - 900 -	- - - - 900 -	- - - - 225 -	- - - - 225 -	140	2,460	15	0	50	93	254
PROJECT 1022-04-76 TOTAL				11,865	1,355	9,300	140	900	225	450	45	15	50	57	93	254

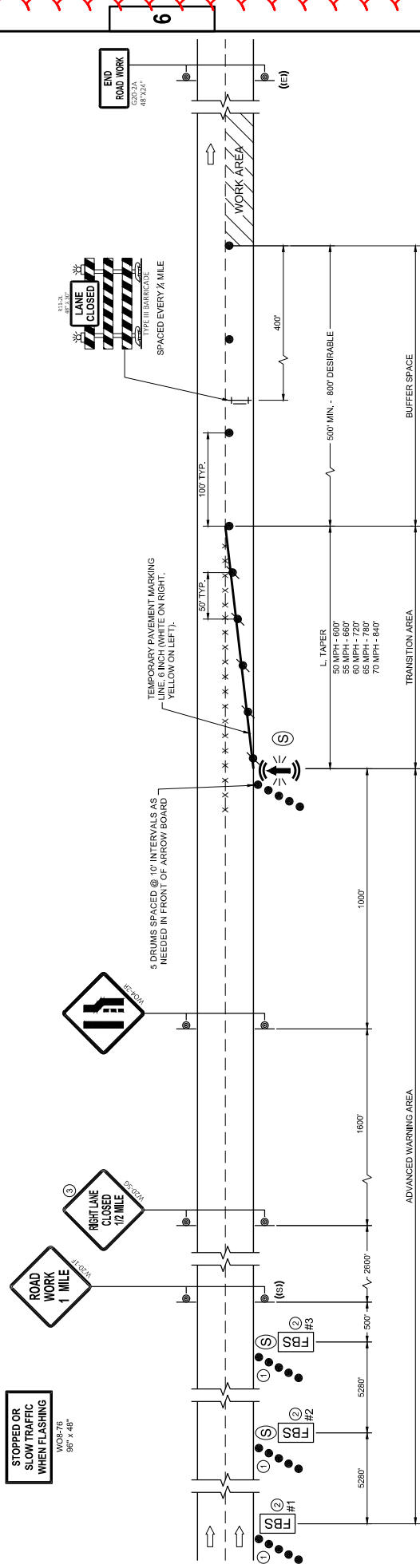
GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS, INCLUDING FBS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.
 THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.
 THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.
 "W" SIGNS ARE THE SAME AS "V" SIGNS EXCEPT THE BACKGROUND IS ORANGE.
 ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED OR AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR DOWNED SIGNS.
 FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.
 REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS. WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.
 IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

LEGEND
 SIGN ON PERMANENT SUPPORT (S) W/ START LOCATION MARKER
 TRAFFIC CONTROL DRUM (T) W/ END LOCATION MARKER
 TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
 TYPE III BARRICADE WITH ATTACHED SIGN
 TYPE "A" WARNING LIGHT (FLASHING)
 REMOVING PAVEMENT MARKINGS
 DIRECTION OF TRAFFIC
 WORK AREA
 FLASHING CONNECTED ARROW BOARD
 PORTABLE TRAFFIC SENSOR (PTS)
 FLASHING BEACON SIGN
 STOPPED OR SLOW TRAFFIC WHEN FLASHING W08-76 80" x 46"

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM END OF THE BUFFER SPACE FOR THE WORK AREA SHALL BE 400 FEET. THE BUFFER LENGTH OF THE ENTRANCE RAMP SHALL BE FOLLOWED BY THE ORIGINAL BUFFER LENGTH. THE BUFFER LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.
 CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.
 PORTABLE TRAFFIC SENSOR (PTS) MAY BE MOUNTED ON THE FBS, ARROW BOARD OR OTHER TRAILER DEVICES.
 ① 5 DRUMS SPACED AT 10 FOOT INTERVALS AS NEEDED.
 ② IF THERE ARE MORE THAN TWO LANES OR IF SPECIFIED IN THE PLANS, PLACE FBS ON BOTH SIDES OF THE ROADWAY.
 ③ IF THERE IS AN APPROVED TEMPORARY SPEED DECLARATION, ADD W03-5 SIGNS 400 FEET AFTER THE W20-5G SIGNS AND ADD R2-1 SIGNS (8'x60") 700 FEET AFTER THE W03-5 SIGNS. A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN A MINIMUM OF EVERY 3 MILES. INCLUDE A "RESUME SPEED LIMIT" SIGN 200 FEET MINIMUM (300 FEET DESIRABLE) BEYOND THE 530-5A "END ROAD WORK" SIGN.



SDD 15D12-13B

TRAFFIC CONTROL, LANE CLOSURE, BASIC TRAFFIC QUEUE WARNING SYSTEM

STATE OF WISCONSIN
 DEPARTMENT OF TRANSPORTATION

APPROVED
 September 2023
 DATE
 ROADWAY DEVELOPMENT
 UNIT SUPERVISOR
 P. HAWA

Addendum No. 01
 ID 1022-04-76
 Revised Sheet 403
 November 6, 2023



Proposal Schedule of Items

Proposal ID: 20231114034 Project(s): 1022-04-76, 1022-04-86

Federal ID(s): WISC 2024045, N/A

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0002	201.0205 Grubbing	8.000 STA	_____.	_____.
0004	203.0216.S Abatement of Asbestos Containing Material (project) 001. 1022-04-76	1.000 EACH	_____.	_____.
0006	204.0100 Removing Concrete Pavement	9,250.000 SY	_____.	_____.
0008	204.0110 Removing Asphaltic Surface	1,325.000 SY	_____.	_____.
0010	204.0150 Removing Curb & Gutter	1,211.000 LF	_____.	_____.
0012	204.0155 Removing Concrete Sidewalk	87.000 SY	_____.	_____.
0014	204.0165 Removing Guardrail	87.500 LF	_____.	_____.
0016	204.0170 Removing Fence	350.000 LF	_____.	_____.
0018	204.0180 Removing Delineators and Markers	10.000 EACH	_____.	_____.
0020	204.0195 Removing Concrete Bases	5.000 EACH	_____.	_____.
0022	204.0220 Removing Inlets	1.000 EACH	_____.	_____.
0024	204.0241 Site Clearance (parcel) 001. SWEF	1.000 EACH	_____.	_____.
0026	204.0245 Removing Storm Sewer (size) 001. 12-Inch	86.000 LF	_____.	_____.
0028	204.0265 Abandoning Wells	1.000 EACH	_____.	_____.
0030	204.9090.S Removing (item description) 051. Removing Electrical Conductors from Existing Conduit	1,175.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20231114034 Project(s): 1022-04-76, 1022-04-86

Federal ID(s): WISC 2024045, N/A

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0032	204.9090.S Removing (item description) 052. Removing or Abandoning Existing Conduit	470.000 LF	_____.	_____.
0034	205.0100 Excavation Common	23,200.000 CY	_____.	_____.
0036	208.0100 Borrow	4,298.000 CY	_____.	_____.
0038	211.0400 Prepare Foundation for Asphaltic Shoulders	25.000 STA	_____.	_____.
0040	213.0100 Finishing Roadway (project) 001. 1022-04-76	1.000 EACH	_____.	_____.
0042	305.0110 Base Aggregate Dense 3/4-Inch	1,795.000 TON	_____.	_____.
0044	305.0120 Base Aggregate Dense 1 1/4-Inch	27,881.000 TON	_____.	_____.
0046	305.0500 Shaping Shoulders	78.000 STA	_____.	_____.
0048	350.0104 Subbase	1,260.000 TON	_____.	_____.
0050	405.0100 Coloring Concrete WisDOT Red	217.000 CY	_____.	_____.
0052	415.0100 Concrete Pavement 10-Inch	8,217.000 SY	_____.	_____.
0054	415.0110 Concrete Pavement 11-Inch	6,460.000 SY	_____.	_____.
0056	415.0125 Concrete Pavement 12 1/2-Inch	2,817.000 SY	_____.	_____.
0058	415.2010 Concrete Truck Apron 12-inch	125.000 SY	_____.	_____.
0060	415.4100 Concrete Pavement Joint Filling	6,371.000 SY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20231114034 Project(s): 1022-04-76, 1022-04-86

Federal ID(s): WISC 2024045, N/A

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0062	415.6000.S Rout and Seal	8,435.000 LF	_____.	_____.
0064	416.0610 Drilled Tie Bars	72.000 EACH	_____.	_____.
0066	416.0620 Drilled Dowel Bars	28.000 EACH	_____.	_____.
0068	455.0605 Tack Coat	1,106.000 GAL	_____.	_____.
0070	460.2000 Incentive Density HMA Pavement	1,550.000 DOL	1.00000	1,550.00
0072	460.5223 HMA Pavement 3 LT 58-28 S	568.000 TON	_____.	_____.
0074	460.5244 HMA Pavement 4 LT 58-34 S	78.000 TON	_____.	_____.
0076	460.5444 HMA Pavement 4 LT 58-34 H	285.000 TON	_____.	_____.
0078	460.6223 HMA Pavement 3 MT 58-28 S	891.000 TON	_____.	_____.
0080	460.6244 HMA Pavement 4 MT 58-34 S	721.000 TON	_____.	_____.
0082	465.0105 Asphaltic Surface	80.000 TON	_____.	_____.
0084	465.0125 Asphaltic Surface Temporary	4,300.000 TON	_____.	_____.
0086	465.0510 Asphaltic Rumble Strips, Shoulder Divided Roadway	6,600.000 LF	_____.	_____.
0088	465.0520 Asphaltic Rumble Strips, Shoulder	2,900.000 LF	_____.	_____.
0090	517.0601 Painting Epoxy System (structure) 001. S-17-11	1.000 EACH	_____.	_____.
0092	520.1012 Apron Endwalls for Culvert Pipe 12-Inch	1.000 EACH	_____.	_____.



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Federal ID(s): WISC 2024045, N/A

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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0094	520.2015 Culvert Pipe Temporary 15-Inch	157.000 LF	_____.	_____.
0096	521.1618 Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 18-Inch 10 to 1	2.000 EACH	_____.	_____.
0098	522.0118 Culvert Pipe Reinforced Concrete Class III 18-Inch	70.000 LF	_____.	_____.
0100	522.0124 Culvert Pipe Reinforced Concrete Class III 24-Inch	10.000 LF	_____.	_____.
0102	522.0415 Culvert Pipe Reinforced Concrete Class IV 15-Inch	120.000 LF	_____.	_____.
0104	522.1015 Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	2.000 EACH	_____.	_____.
0106	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	1.000 EACH	_____.	_____.
0108	531.1100 Concrete Masonry Ancillary Structures Type NS	7.200 CY	_____.	_____.
0110	531.1140 Steel Reinforcement HS Ancillary Structures Type NS	724.000 LB	_____.	_____.
0112	531.2030 Drilling Shaft 30-Inch	26.000 LF	_____.	_____.
0114	531.5220 Foundation Single-Shaft Type MF-II (structure) 001. S-17-14	2.000 EACH	_____.	_____.
0116	532.5220 Monotube Full Span Type II (structure) 001. S-17-14	1.000 EACH	_____.	_____.
0118	601.0555 Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type A	618.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20231114034 Project(s): 1022-04-76, 1022-04-86

Federal ID(s): WISC 2024045, N/A

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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0120	601.0557 Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	334.000 LF	_____.	_____.
0122	602.0405 Concrete Sidewalk 4-Inch	1,540.000 SF	_____.	_____.
0124	602.0505 Curb Ramp Detectable Warning Field Yellow	20.000 SF	_____.	_____.
0126	603.8000 Concrete Barrier Temporary Precast Delivered	11,150.000 LF	_____.	_____.
0128	603.8125 Concrete Barrier Temporary Precast Installed	17,000.000 LF	_____.	_____.
0130	606.0200 Riprap Medium	10.000 CY	_____.	_____.
0132	608.3012 Storm Sewer Pipe Class III-A 12-Inch	72.000 LF	_____.	_____.
0134	611.0612 Inlet Covers Type C	1.000 EACH	_____.	_____.
0136	611.2004 Manholes 4-FT Diameter	1.000 EACH	_____.	_____.
0138	612.0204 Pipe Underdrain Unperforated 4-Inch	28.000 LF	_____.	_____.
0140	612.0206 Pipe Underdrain Unperforated 6-Inch	52.000 LF	_____.	_____.
0142	614.0905 Crash Cushions Temporary	7.000 EACH	_____.	_____.
0144	614.2300 MGS Guardrail 3	337.500 LF	_____.	_____.
0146	614.2610 MGS Guardrail Terminal EAT	1.000 EACH	_____.	_____.
0148	616.0100 Fence Woven Wire (height) 001. 4-FT	82.000 LF	_____.	_____.



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Federal ID(s): WISC 2024045, N/A

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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0150	616.0206 Fence Chain Link 6-FT	580.000 LF	_____.	_____.
0152	618.0100 Maintenance and Repair of Haul Roads (project) 001. 1022-04-76	1.000 EACH	_____.	_____.
0154	619.1000 Mobilization	1.000 EACH	_____.	_____.
0156	620.0300 Concrete Median Sloped Nose	50.000 SF	_____.	_____.
0158	623.0200 Dust Control Surface Treatment	23,615.000 SY	_____.	_____.
0160	624.0100 Water	518.000 MGAL	_____.	_____.
0162	625.0500 Salvaged Topsoil	26,000.000 SY	_____.	_____.
0164	627.0200 Mulching	8,715.000 SY	_____.	_____.
0166	628.1504 Silt Fence	5,475.000 LF	_____.	_____.
0168	628.1520 Silt Fence Maintenance	27,350.000 LF	_____.	_____.
0170	628.1905 Mobilizations Erosion Control	8.000 EACH	_____.	_____.
0172	628.1910 Mobilizations Emergency Erosion Control	8.000 EACH	_____.	_____.
0174	628.2008 Erosion Mat Urban Class I Type B	26,500.000 SY	_____.	_____.
0176	628.7005 Inlet Protection Type A	7.000 EACH	_____.	_____.
0178	628.7020 Inlet Protection Type D	3.000 EACH	_____.	_____.
0180	628.7504 Temporary Ditch Checks	510.000 LF	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0182	628.7555 Culvert Pipe Checks	27.000 EACH	_____.	_____.
0184	628.7560 Tracking Pads	3.000 EACH	_____.	_____.
0186	629.0210 Fertilizer Type B	22.500 CWT	_____.	_____.
0188	630.0130 Seeding Mixture No. 30	614.000 LB	_____.	_____.
0190	630.0140 Seeding Mixture No. 40	20.000 LB	_____.	_____.
0192	630.0200 Seeding Temporary	550.000 LB	_____.	_____.
0194	630.0500 Seed Water	672.000 MGAL	_____.	_____.
0196	632.0201 Shrubs (species, root, size) 001. Potenilla Fruticoas, CG, #2, Abbotswood Potenilla	4.000 EACH	_____.	_____.
0198	632.9101 Landscape Planting Surveillance and Care Cycles	6.000 EACH	_____.	_____.
0200	633.0100 Delineator Posts Steel	80.000 EACH	_____.	_____.
0202	633.0500 Delineator Reflectors	95.000 EACH	_____.	_____.
0204	633.1100 Delineators Temporary	172.000 EACH	_____.	_____.
0206	633.5200 Markers Culvert End	4.000 EACH	_____.	_____.
0208	634.0614 Posts Wood 4x6-Inch X 14-FT	30.000 EACH	_____.	_____.
0210	634.0616 Posts Wood 4x6-Inch X 16-FT	6.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0212	634.0620 Posts Wood 4x6-Inch X 20-FT	2.000 EACH	_____.	_____.
0214	635.0200 Sign Supports Structural Steel HS	3,554.000 LB	_____.	_____.
0216	637.1220 Signs Type I Reflective SH	480.000 SF	_____.	_____.
0218	637.2210 Signs Type II Reflective H	227.190 SF	_____.	_____.
0220	637.2230 Signs Type II Reflective F	9.000 SF	_____.	_____.
0222	638.2102 Moving Signs Type II	2.000 EACH	_____.	_____.
0224	638.2601 Removing Signs Type I	5.000 EACH	_____.	_____.
0226	638.2602 Removing Signs Type II	9.000 EACH	_____.	_____.
0228	638.3000 Removing Small Sign Supports	9.000 EACH	_____.	_____.
0230	638.3100 Removing Structural Steel Sign Supports	2.000 EACH	_____.	_____.
0232	638.4000 Moving Small Sign Supports	1.000 EACH	_____.	_____.
0234	642.5001 Field Office Type B	1.000 EACH	_____.	_____.
0236	643.0300 Traffic Control Drums	22,600.000 DAY	_____.	_____.
0238	643.0420 Traffic Control Barricades Type III	1,700.000 DAY	_____.	_____.
0240	643.0705 Traffic Control Warning Lights Type A	1,750.000 DAY	_____.	_____.
0242	643.0715 Traffic Control Warning Lights Type C	7,280.000 DAY	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0244	643.0800 Traffic Control Arrow Boards	193.000 DAY	_____.	_____.
0246	643.0900 Traffic Control Signs	5,000.000 DAY	_____.	_____.
0248	643.0910 Traffic Control Covering Signs Type I	4.000 EACH	_____.	_____.
0250	643.1050 Traffic Control Signs PCMS	35.000 DAY	_____.	_____.
0252	643.1205.S Basic Traffic Queue Warning System	136.000 DAY	_____.	_____.
0254	643.3165 Temporary Marking Line Paint 6-Inch	29,800.000 LF	_____.	_____.
0256	643.3770 Temporary Marking Raised Pavement Marker Type II	80.000 EACH	_____.	_____.
0258	643.3805 Temporary Marking Stop Line Paint 18-Inch	48.000 LF	_____.	_____.
0260	643.4100 Traffic Control Interim Lane Closure	136.000 EACH	_____.	_____.
0262	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0264	645.0130 Geotextile Type R	25.000 SY	_____.	_____.
0266	646.2020 Marking Line Epoxy 6-Inch	22,705.000 LF	_____.	_____.
0270	646.2040 Marking Line Grooved Wet Ref Epoxy 6-Inch	1,800.000 LF	_____.	_____.
0272	646.2050 Marking Line Grooved Permanent Tape 6-Inch	450.000 LF	_____.	_____.
0274	646.4020 Marking Line Epoxy 10-Inch	478.000 LF	_____.	_____.



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SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0276	646.6120 Marking Stop Line Epoxy 18-Inch	45.000 LF	_____.	_____.
0278	646.6220 Marking Yield Line Epoxy 18-Inch	15.000 EACH	_____.	_____.
0280	646.7020 Marking Diagonal Epoxy 6-Inch	50.000 LF	_____.	_____.
0282	646.7120 Marking Diagonal Epoxy 12-Inch	57.000 LF	_____.	_____.
0284	646.7220 Marking Chevron Epoxy 24-Inch	93.000 LF	_____.	_____.
0286	646.8320 Marking Parking Stall Epoxy	254.000 LF	_____.	_____.
0288	646.9000 Marking Removal Line 4-Inch	7,530.000 LF	_____.	_____.
0290	650.4000 Construction Staking Storm Sewer	3.000 EACH	_____.	_____.
0292	650.4500 Construction Staking Subgrade	14,099.000 LF	_____.	_____.
0294	650.5000 Construction Staking Base	7,773.000 LF	_____.	_____.
0296	650.5500 Construction Staking Curb Gutter and Curb & Gutter	2,116.000 LF	_____.	_____.
0298	650.6000 Construction Staking Pipe Culverts	3.000 EACH	_____.	_____.
0300	650.6501 Construction Staking Structure Layout (structure) 001. S-17-14	1.000 EACH	_____.	_____.
0302	650.7000 Construction Staking Concrete Pavement	5,575.000 LF	_____.	_____.
0304	650.8501 Construction Staking Electrical Installations (project) 001. 1022-04-76	1.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0306	650.9000 Construction Staking Curb Ramps	2.000 EACH	_____.	_____.
0308	650.9500 Construction Staking Sidewalk (project) 001. 1022-04-76	1.000 EACH	_____.	_____.
0310	650.9911 Construction Staking Supplemental Control (project) 001. 1022-04-76	1.000 EACH	_____.	_____.
0312	650.9920 Construction Staking Slope Stakes	14,099.000 LF	_____.	_____.
0314	652.0210 Conduit Rigid Nonmetallic Schedule 40 1-Inch	45.000 LF	_____.	_____.
0316	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	1,030.000 LF	_____.	_____.
0318	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	15.000 LF	_____.	_____.
0320	653.0154 Pull Boxes Non-Conductive 24x36-Inch	1.000 EACH	_____.	_____.
0322	653.0164 Pull Boxes Non-Conductive 24x42-Inch	7.000 EACH	_____.	_____.
0324	653.0905 Removing Pull Boxes	2.000 EACH	_____.	_____.
0326	654.0105 Concrete Bases Type 5	5.000 EACH	_____.	_____.
0328	655.0610 Electrical Wire Lighting 12 AWG	1,548.000 LF	_____.	_____.
0330	655.0620 Electrical Wire Lighting 8 AWG	6,312.000 LF	_____.	_____.
0332	657.0255 Transformer Bases Breakaway 11 1/2- Inch Bolt Circle	2.000 EACH	_____.	_____.
0334	657.0322 Poles Type 5-Aluminum	2.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0336	657.0705 Luminaire Arms Truss Type 4 1/2-Inch Clamp 10-FT	2.000 EACH	_____.	_____.
0338	659.1125 Luminaires Utility LED C	2.000 EACH	_____.	_____.
0340	661.0101 Temporary Traffic Signals for Bridges (structure) 001. VWS	1.000 EACH	_____.	_____.
0342	674.0300 Remove Cable	100.000 LF	_____.	_____.
0344	674.0400 Reinstall Cable	100.000 LF	_____.	_____.
0346	678.0400 Fiber Optic Termination	1.000 EACH	_____.	_____.
0348	690.0150 Sawing Asphalt	12,235.000 LF	_____.	_____.
0350	690.0250 Sawing Concrete	230.000 LF	_____.	_____.
0352	715.0720 Incentive Compressive Strength Concrete Pavement	5,280.000 DOL	1.00000	5,280.00
0354	740.0440 Incentive IRI Ride	900.000 DOL	1.00000	900.00
0356	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	2,400.000 HRS	5.00000	12,000.00
0358	ASP.1T0G On-the-Job Training Graduate at \$5.00/HR	2,500.000 HRS	5.00000	12,500.00
0360	SPV.0035 Special 001. Base Aggregate Dense 3/4-Inch Washed	40.000 CY	_____.	_____.
0362	SPV.0060 Special 001. 6' Chain link 21' Cantilever Gate	2.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0364	SPV.0060 Special 002. Inspection Site Appurtenances	1.000 EACH	_____.	_____.
0366	SPV.0060 Special 003. Electrical Service, Menomonie SWEF	1.000 EACH	_____.	_____.
0368	SPV.0060 Special 004. Electrical Service, Menomonie SWEF Mainline WIM	1.000 EACH	_____.	_____.
0370	SPV.0060 Special 005. Electrical Service, Menomonie SWEF Virtual Weigh Station	1.000 EACH	_____.	_____.
0372	SPV.0060 Special 006. Internet Service, Menomonie SWEF Virtual Weigh Station	1.000 EACH	_____.	_____.
0374	SPV.0060 Special 007. Oil/Water Separator System	1.000 EACH	_____.	_____.
0376	SPV.0060 Special 008. Trash Receptacles	2.000 EACH	_____.	_____.
0378	SPV.0060 Special 009. Construction Staking Supplemental	2.000 EACH	_____.	_____.
0380	SPV.0060 Special 010. ID Plaque	2.000 EACH	_____.	_____.
0382	SPV.0060 Special 020. Weigh-In-Motion System (WIM)	1.000 EACH	_____.	_____.
0384	SPV.0060 Special 021. Virtual Weigh Station (VWS) System	1.000 EACH	_____.	_____.
0386	SPV.0060 Special 022. Weigh-In-Motion System Warranty Maintenance	1.000 EACH	_____.	_____.
0388	SPV.0060 Special 023. Virtual Weigh Station System Warranty Maintenance	1.000 EACH	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0390	SPV.0060 Special 050. Remove, Salvage and Reinstall Street Light Assembly	3.000 EACH	_____.	_____.
0392	SPV.0060 Special 100. SWEF Building, General Construction	1.000 EACH	_____.	_____.
0394	SPV.0060 Special 101. SWEF Building, Plumbing	1.000 EACH	_____.	_____.
0396	SPV.0060 Special 102. SWEF Building Heating and Ventilation	1.000 EACH	_____.	_____.
0398	SPV.0060 Special 103. SWEF Building, Electrical	1.000 EACH	_____.	_____.
0400	SPV.0060 Special 104. SWEF Building, Generator	1.000 EACH	_____.	_____.
0402	SPV.0060 Special 105. SWEF Building, Lightning Protection and Grounding System	1.000 EACH	_____.	_____.
0404	SPV.0060 Special 200. Communications Tower	1.000 EACH	_____.	_____.
0406	SPV.0060 Special 300. Well Pump and Equipment	1.000 EACH	_____.	_____.
0408	SPV.0060 Special 301. Iron Removal System	1.000 EACH	_____.	_____.
0410	SPV.0060 Special 302. Salt Storage Building	1.000 EACH	_____.	_____.
0412	SPV.0060 Special 303. Loader Storage Building	1.000 EACH	_____.	_____.
0414	SPV.0060 Special 304. Vertical Storage Tanks	2.000 EACH	_____.	_____.
0416	SPV.0060 Special 305. Underground Storage Tank	1.000 EACH	_____.	_____.
0418	SPV.0090 Special 001. Concrete Curb and Gutter 24-Inch Type A Special	1,062.000 LF	_____.	_____.



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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0420	SPV.0090 Special 002. Concrete Curb and Gutter 24-Inch Type D Special	102.000 LF	_____.	_____.
0422	SPV.0090 Special 003. Construction Staking Fence	704.000 LF	_____.	_____.
0424	SPV.0090 Special 004. Landscape Edging	35.000 LF	_____.	_____.
0426	SPV.0090 Special 005. Fill Existing Rumble Strips	3,600.000 LF	_____.	_____.
0428	SPV.0090 Special 006. Pedestrian Railing	85.000 LF	_____.	_____.
0430	SPV.0090 Special 300. Water Service	395.000 LF	_____.	_____.
0432	SPV.0180 Special 001. Scale Approach Pavement Reinforcement	167.000 SY	_____.	_____.
0434	SPV.0180 Special 002. Weed Barrier Fabric	150.000 SY	_____.	_____.
0436	SPV.0045 Special 001. Connected Work Zone Notification System	136.000 DAY	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.

