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ADDENDUM 2

TO: Document Holders

FROM: Short Elliott Hendrickson, Inc.
425 West Water Street, Suite 300
Appleton, WI 54911

DATE: March 9, 2026

RE: Prairie du Chien Public Safety Building
SEH No. PDCAR 177629

DOCUMENT HOLDERS on the above-named project are hereby notified that this document shall be appended to, take precedence over and become part of the original bidding documents dated January 26, 2026. Bids submitted for the construction of this work shall conform to this document.

All manufacturers / contractors / suppliers and products accepted as a substitution by this addendum shall meet or exceed any and all standards set forth within the specifications. Any costs attributed to re-engineering the contract documents due to the accepted substitutions is the responsibility of the Contractor.

PROJECT MANUAL REVISIONS AND CLARIFICATIONS

A. GENERAL

Revisions and clarifications

1. The project has tax exempt status.
2. Specification section 007310 has been modified to include that the project must meet Build America Buy America Act requirements. (Attachment)

B. BIDDING DOCUMENTS

1. 004323 - Revised Alternates Form attached.

C. STRUCTURAL

Drawing revisions and clarifications

1. Sheet S511
 - a. The detail notes pertaining to stainless steel connections for the precast planks shown on sheet S511 can be disregarded. Traditional steel connections can be used as shown in the detail sections cut on plan referencing 8/S513 and 10/S513.

Engineers | Architects | Planners | Scientists

Short Elliott Hendrickson Inc., 425 West Water Street, Suite 300, Appleton, WI 54911-6058

920.380.2800 | 888.413.4214 | 888.908.8166 fax | sehinc.com

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Specification revisions and clarifications

1. Section 034700 (Attachment)
 - a. In lieu of plant fabricated precast wall panels, site cast panels are acceptable. Design and structural capabilities of site cast panels must meet or exceed the requirements of the designed plant fabricated panels. Section 034700 has been added to the project manual for site cast panel deliverables.

D. ARCHITECTURAL

Drawing revisions and clarifications

1. Sheet A113 (Attachment)
 - a. Floor material finish transition symbols added identifying the central cubicles to be the location of the carpet finish in Officers (152).
2. Sheet A202 (Attachment)
 - a. Note modified to clarify signage type
3. Sheet A402 (Attachment)
 - a. Floor material finish transition line identified.
 - b. The evidence lockers identified in construction note 24 will be Owner furnished / Contractor installed.
4. Sheet A412 (Attachment)
 - a. Interior elevation was modified to show wall tile.
5. Sheet A506
 - a. Decorative Metal Logo (10/A506) can have an enamel or powder coated finish to match dimensional letter signage.
6. Sheet A611 (Attachment)
 - a. Room finish schedule modified.
 - b. In toilet rooms containing shower stalls, the mosaic tile is to be located within the shower. The remainder of the room is to be the large format tile.

Specification revisions and clarifications

1. Section 072726
 - a. Air-Shield LMP System has been added as an acceptable manufacturer.
2. Section 096723.20
 - a. Dex-O-Tex has been added as an acceptable manufacturer.
3. Section 101423
 - a. Proxy Signs has been added as an acceptable manufacturer.

4. Section 105113
 - a. LockersMFG has been added as an acceptable manufacturer.
5. Section 122413
 - a. Basis of Design for the fabric on the roller shades is Inpro WT White-Grey.
6. Section 133419
 - a. Varco Pruden has been added as an acceptable metal building manufacturer.

E. MECHANICAL

Specification revisions and clarifications

1. Section 230500
 - a. Alternate Bid H6
 - i. The Mechanical Contractor shall state the net addition to the base bid for the Tridium/Niagara Building Automation System specified in Sections 250900 and 250993 as installed by Winona Controls with ABB Controls. The base bid shall include the work specified in Division 23 and 24 only.
 - b. Alternate Bid H7
 - i. The Mechanical Contractor shall state the net addition to the base bid for the Tridium/Niagara Building Automation System specified in Sections 250900 and 250993 as installed by Alpha Controls & Services with Schneider Electric Controls. The base bid shall include the work specified in Divisions 23 and 24 only.
2. Section 250900
 - a. Add the following under 2.1 Manufacturers
 - 2.1 MANUFACTURERS
 - B. Tridium/Niagara N4 System provided by one of the following manufacturers.
 5. ABB Controls installed by Winona Controls
 6. Schneider Electric Controls installed by Alpha Controls & Services.

F. ELECTRICAL

Drawing revisions and clarifications

1. Sheet E600
 - a. Generator feeders shall be copper as indicated in the specifications.

Specification revisions and clarifications

1. Section 260501 (Attachment)
 - a. Refer to the attached PDF for revisions for Door Access Control Scope. Revisions include requirements for access control cabling provided under Division 26 contractor's bid.
 - b. In addition to the access control cabling listed in the attached PDF, provide CAT6 cabling to all security cameras.
2. Section 263200
 - a. Generac has been added as an acceptable manufacturer.
3. Section 263600
 - a. Generac has been added as an acceptable manufacturer.
4. Section 271000
 - a. Provide LC fiber optic connectors in lieu of SC type connectors.

END OF ADDENDUM 2

DOCUMENT 004323 – REVISED ALTERNATES FORM

1.1 BID INFORMATION

- A. Bidder: _____.
- B. Project Name: Prairie du Chien Public Safety Facility.
- C. Project Location: 705 East Taylor Street, Prairie du Chien, WI.
- D. Owner: City of Prairie du Chien.
- E. Architect: Short Elliott Hendrickson, Inc.
- F. Architect Project Number: PDCAR 177629.

1.2 BID FORM SUPPLEMENT

- A. This form is required to be attached to the Bid Form.

1.3 DESCRIPTION

- A. The undersigned Bidder proposes the amount below be added to or deducted from the Base Bid if particular alternates are accepted by Owner. Amounts listed for each alternate include costs of related coordination, modification, or adjustment.
- B. If the alternate does not affect the Contract Sum, the Bidder shall indicate "NO CHANGE."
- C. If the alternate does not affect the Work of this Contract, the Bidder shall indicate "NOT APPLICABLE."
- D. The Bidder shall be responsible for determining from the Contract Documents the affects of each alternate on the Contract Time and the Contract Sum.
- E. Owner reserves the right to accept or reject any alternate, in any order, and to award or amend the Contract accordingly within 60days of the Notice of Award unless otherwise indicated in the Contract Documents.
- F. Acceptance or non-acceptance of any alternates by the Owner shall have no affect on the Contract Time unless the "Schedule of Alternates" Article below provides a formatted space for the adjustment of the Contract Time.

1.4 SCHEDULE OF ALTERNATES

- A. Alternate No. 1: Insulated precast wall panel finish:
 - 1. ADD ___ DEDUCT ___ NO CHANGE ___ NOT APPLICABLE ___.
 - 2. _____ Dollars (\$ _____).
 - 3. ADD ___ DEDUCT ___ calendar days to adjust the Contract Time for this alternate.

B. Alternate No. 2: Entrance canopy:

- 1. ADD ___ DEDUCT ___ NO CHANGE ___ NOT APPLICABLE ___.
- 2. _____ Dollars (\$ _____).
- 3. ADD ___ DEDUCT ___ calendar days to adjust the Contract Time for this alternate.

C. Alternate No. 3: Asphalt Paving:

- 1. ADD ___ DEDUCT ___ NO CHANGE ___ NOT APPLICABLE ___.
- 2. _____ Dollars (\$ _____).
- 3. ADD ___ DEDUCT ___ calendar days to adjust the Contract Time for this alternate.

D. Alternate No. 4: Resinous Flooring – Alternate Manufacturer:

- 1. ADD ___ DEDUCT ___ NO CHANGE ___ NOT APPLICABLE ___.
- 2. _____ Dollars (\$ _____).
- 3. ADD ___ DEDUCT ___ calendar days to adjust the Contract Time for this alternate.

E. Alternate No. 5: Resinous Flooring - Omit:

- 1. ADD ___ DEDUCT ___ NO CHANGE ___ NOT APPLICABLE ___.
- 2. _____ Dollars (\$ _____).
- 3. ADD ___ DEDUCT ___ calendar days to adjust the Contract Time for this alternate.

F. Alternate No. 6: Landscaping:

- 1. ADD ___ DEDUCT ___ NO CHANGE ___ NOT APPLICABLE ___.
- 2. _____ Dollars (\$ _____).
- 3. ADD ___ DEDUCT ___ calendar days to adjust the Contract Time for this alternate.

G. Alternate No. H1: Building Automation – ABB Controls:

- 1. ADD ___ DEDUCT ___ NO CHANGE ___ NOT APPLICABLE ___.
- 2. _____ Dollars (\$ _____).
- 3. ADD ___ DEDUCT ___ calendar days to adjust the Contract Time for this alternate.

H. Alternate No. H2: Building Automation – Alerton Controls:

- 1. ADD ___ DEDUCT ___ NO CHANGE ___ NOT APPLICABLE ___.
- 2. _____ Dollars (\$ _____).
- 3. ADD ___ DEDUCT ___ calendar days to adjust the Contract Time for this alternate.

I. Alternate No. H3: Building Automation – Honeywell Controls:

- 1. ADD ___ DEDUCT ___ NO CHANGE ___ NOT APPLICABLE ___.
- 2. _____ Dollars (\$ _____).
- 3. ADD ___ DEDUCT ___ calendar days to adjust the Contract Time for this alternate.

J. Alternate No. H4: Building Automation – Johnson Controls:

- 1. ADD ___ DEDUCT ___ NO CHANGE ___ NOT APPLICABLE ___.
- 2. _____ Dollars (\$ _____).
- 3. ADD ___ DEDUCT ___ calendar days to adjust the Contract Time for this alternate.

K. Alternate No. H5: AHU / Condensing unit:

- 1. ADD ___ DEDUCT ___ NO CHANGE ___ NOT APPLICABLE ___.
- 2. _____ Dollars (\$ _____).
- 3. ADD ___ DEDUCT ___ calendar days to adjust the Contract Time for this alternate.

L. Alternate No. H6: Building Automation System - Winona Controls with ABB Controls:

- 1. ADD ___ DEDUCT ___ NO CHANGE ___ NOT APPLICABLE ___.
- 2. _____ Dollars (\$ _____).
- 3. ADD ___ DEDUCT ___ calendar days to adjust the Contract Time for this alternate.

M. Alternate No. H7: Building Automation System - Alpha Controls & Services with Schneider Electric Controls:

- 1. ADD ___ DEDUCT ___ NO CHANGE ___ NOT APPLICABLE ___.
- 2. _____ Dollars (\$ _____).
- 3. ADD ___ DEDUCT ___ calendar days to adjust the Contract Time for this alternate.

1.5 SUBMISSION OF BID SUPPLEMENT

- A. Respectfully submitted this ___ day of _____, 2025.
- B. Submitted By: _____ (Insert name of bidding firm or corporation).
- C. Authorized Signature: _____ (Handwritten signature).
- D. Signed By: _____ (Type or print name).
- E. Title: _____ (Owner/Partner/President/Vice President).

END OF DOCUMENT 004323

SECTION 007310 – SUPPLEMENTARY CONDITIONS

PART 1 GENERAL – THESE SUPPLEMENTARY CONDITIONS AMEND OR SUPPLEMENT THE STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT, AIA DOCUMENT A201.

1.01 CHANGES IN THE WORK

1. *“Contractor may add a maximum of 3.5 percent for overhead and profit for work performed by sub-contractors and a maximum of 7 percent for self-performed work.”*

1.02 PERMITTING

1. The Contractor is responsible for obtaining all permits throughout the construction process. The Owner will pay the fees for the permits.

1.03 OMISSIONS, DISCREPANCIES, AND CORRECTIONS

1. It is the intent of the contract documents that all performance under the contract be in accordance with the best practice. The Contractor shall carefully check the plans both before commencing and throughout the work. Conditions shown on the plans are based on best known information. The City does not assume responsibility for variations. The Contractor is required to make computations to determine the quantities and shall plan the work based on this information. The Contractor shall immediately call the Engineer’s attention to any errors, omissions or discrepancies that may be discovered in the plans before proceeding with the work affected. The Engineer reserves the right to make such corrections as deemed necessary for the fulfillment of the true intent of the contract documents.

1.04 WORK TO BE DONE AT CONTRACTOR’S RISK

1. All work to be done under the contract documents from commencement until the final acceptance of such work shall be done entirely at the Contractor’s risk. No partial payment for, or partial acceptance of any part of the work shall absolve the Contractor from such risk. The Contractor is responsible for maintaining all traffic control devices as well as sidewalk closure signs and barricades until such time that all hazard areas are removed. It shall be the Contractor’s responsibility to protect all work from any vandalism or graffiti.

1.05 BUILD AMERICA, BUY AMERICA ACT

1. The project is subject to the Build America, Buy America Act.
 - a. Domestic Preference Requirements for Federal Financial Assistance to Non-Federal Entities. Federal Financial Assistance to Non-Federal Entities, defined pursuant to 2 CFR 200.1 and 2 CFR 184, as any State, local government, Indian tribe, Institution of High Education, or nonprofit organization, shall be governed by the requirements of Section 70914 of the Build American, Buy America Act (BABAA), under Title IX of the Infrastructure Investment and Jobs Act, Pub. L. 177-58. Any requests for waiver of these requirements must be submitted pursuant to USDA’s guidance available online at [USDA Buy America Waivers for Federal Financial Assistance | USDA](#).
 - b. This agreement is for services related to a project that is subject to the Build America, Buy America Act (BABAA) requirements under Title IX of the Infrastructure Investment and Jobs Act (“TIJA”), Pub. L. 177-58. Absent an approved waiver, all iron, steel, manufactured products, and

construction materials used in this project must be produced in the United States, as further outlined by the Office of Management and Budget's regulation (reference 2 CFR 200, 2 CFR 184) on the application of Buy America Preference in Federal Financial Assistance Programs for Infrastructure.

END OF DOCUMENT 007310

Founded in 1986, the Tilt-Up Concrete Association (TCA) strives to improve the quality and acceptance of site-cast Tilt-Up construction - one of the fastest growing industries in the United States, combining the advantages of reasonable cost with low maintenance, durability, speed of construction and minimal capital investment. Over 10,000 buildings, enclosing more than 650 million square feet, are constructed each year using this construction method.

This guide specification is provided in CSI 3-part format and must be edited by a design professional before issue. For more information, please call us at 319-895-6911 or online at www.tilt-up.com.

SECTION 034700

SITE-CAST TILT-UP CONCRETE

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section, including but not limited to the following.
 - 1. Site-cast tilt-up concrete panels.
 - 2. Site-cast tilt-up insulated sandwich concrete panels.
- B. Related Work: The following items are not included in this Section and are specified under the designated Sections:
 - 1. Section 033000 – Cast-in-Place Concrete: Requirements for slab-on-grade design and construction and general requirements for concrete used in tilt-up panels.
 - 2. Section 076200 – Sheet Metal Flashing and Trim: Flashing to adjacent materials.
 - 3. Section 099000 – Painting and Coating: Site-finishing of panels as applicable.
- C. Reference Standards: Comply with applicable provisions of the following standards and regulations:
 - 1. AWS D1.1 - Structural Welding Code – Steel.
 - 2. AWS D1.4 - Structural Welding Code – Reinforcing Steel.
 - 3. ASTM A123/A123M – Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.
 - 4. ASTM A184/A184M - Standard Specification for Welded Deformed Steel Bar Mats for Concrete Reinforcement.
 - 5. ASTM A185 - Standard Specification for Welded Steel Wire Fabric for Concrete Reinforcement.

SITE-CAST TILT-UP CONCRETE

6. ASTM A496 - Standard Specification for Deformed Steel Wire for Concrete Reinforcement.
7. ASTM A497 - Standard Specification for Steel Welded Wire Reinforcement, Deformed, for Concrete.
8. ASTM A615/A615M - Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement.
9. ASTM A706/A706M – Standard Specification for Deformed and Plain Low-Alloy Steel Bars for Concrete Reinforcement
10. ASTM C31/C31M - Standard Practice for Making and Curing Concrete Test Specimens in the Field.
11. ASTM C33 - Standard Specification for Concrete Aggregates.
12. ASTM C39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens.
13. ASTM C78 - Standard Test Method for Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading).
14. ASTM C94/C94M - Standard Specification for Ready-Mixed Concrete.
15. ASTM C143/C143M - Standard Test Method for Slump of Hydraulic-Cement Concrete.
16. ASTM C150 - Standard Specification for Portland Cement.
17. ASTM C293/C293M - Standard Test Method for Flexural Strength of Concrete (Using Simple Beam With Center-Point Loading).
18. ASTM C309 - Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete.
19. ASTM C330/C330M - Standard Specification for Lightweight Aggregates for Structural Concrete.
20. ASTM C595/C595M - Standard Specification for Blended Hydraulic Cements.
21. ASTM C989/C989M - Standard Specification for Slag Cement for Use in Concrete and Mortars.
22. ASTM C1157/C1157M - Standard Performance Specification for Hydraulic Cement.
23. ASTM C1697 - Standard Specification for Blended Supplementary Cementitious Materials.
24. ACI 117 - Specifications for Tolerances for Concrete Construction and Materials.
25. ACI 301 - Specifications for Structural Concrete for Buildings.
26. ACI 305 - Specification for Hot Weather Concreting.
27. ACI 306 - Guide to Cold Weather Concreting.
28. ACI 315 - Standard for Details and Detailing Concrete Reinforcement.
29. ACI 318 - Building Code Requirements for Structural Concrete.
30. ACI 551 - Guide to Tilt-Up Concrete Construction.
31. CRSI Manual of Standard Practice and CRSI Specifications for Placing Reinforcement.
32. BSR/ASHRAE/IESNA 90.1.
33. ASHRAE Handbook of Fundamentals.
34. ASCE 37 – Design Loads on Structures During Construction.

35. Tilt-Up Concrete Association Wind Bracing Guidelines (TCA).
36. Tilt-Up Concrete Association Erection Safety Procedures Brochure (TCA).

1.2 SUBMITTALS

- A. Submit under provisions of Section 013000.
- B. Shop Drawings: Submit panel shop drawings and erection drawings detailing the Work of this Section including temporary bracing. Reinforcing bars shown on the project drawings are not checked for lifting and erection stresses. Shop drawings shall be reviewed by a licensed design professional Include the following:
 1. Concrete mix designs for each mix specified.
 2. Mix design for structural grout for panel supports.
- C. Quality Control Submittals:
 1. Product Data: For each product, including bond breakers, joint sealants, insulation, connection devices.
 2. Manufacturer's Instructions: For manufactured items used, submit the manufacturer's current recommended methods of installation, including relevant limitations and safety precautions.
 3. Test Reports: Submit certified laboratory test reports confirming physical characteristics of materials used in the performance of the Work of this Section.

1.3 QUALITY ASSURANCE

- A. Regulatory Requirements: Comply with applicable codes and regulations of governmental agencies having jurisdiction. Where those requirements conflict with this Specification, comply with the more stringent provisions.

Designer/Specifier Note: The Tilt-Up Concrete Association (TCA) has established individual and company certification programs. The Tilt-Up Certified Company program is administered by the TCA for both general and concrete contractors. The Tilt-Up Supervisor Certification Program is administered through ACI and is referenced in ACI 301. It is suggested to include an item in Submittals requiring evidence of certification appropriately for company or individual.

- B. Qualifications for General Contractors: General contractor responsible for the project shall demonstrate the experience and expertise required to manage the specified work in compliance with the TCA Tilt-up Certified Company program.
- C. Qualifications for Tilt-Up Contractors: Contractor performing the tilt-up operations shall demonstrate the experience and expertise required to manage and execute the specified work in compliance with the TCA Tilt-up Certified Company program.

- D. Qualifications for Field Personnel: Contractor shall show evidence of competence in site cast tilt-up concrete construction by means of active ACI tilt-up supervisor certification or by other means. Workers shall be proficient in production and erection operations and shall be under the direct supervision of qualified personnel.
- E. Qualifications for Welding: Qualify welding processes and welding operators in accordance with ANSI/AWS D1.4. Provide certification that welders to be employed in the Work have satisfactorily passed AWS qualification tests within the previous 12 months.
- F. Job Mock-up Panel for Architectural Finishes: Prepare one panel using forming technique and construction methods to be used on the project for each level of finish shown on the drawings according to the following:
 - 1. Panels shall be a minimum of 4-feet by 8-feet. Incorporate edge and reveal conditions as detailed on the project drawings.
 - 2. For painted concrete finishes: Utilize full range of color as specified. Utilize reveal characterization as specified.
 - 3. For abraded or exposed colored concrete finishes: Utilize full range size and colors in aggregate. Utilize full range of color in grout. Match the degree of abrasion (e.g. sand-blast, water-blast, retarder, acid etch, etc.) specified.
 - 4. For textured or architectural liner finishes: Utilize full range of texture as specified. Sample shall consist of section showing integration of both horizontal and vertical liner joints.
 - 5. For cast-in-brick or stone finishes: Utilize full range of color sampling for brick specified. Sample shall consist of one repaired brick in field of display.
 - 6. Cast mock-up over slab joint or column joint if actual panels will be affected by these conditions.
 - 7. Maintain approved mock-up for comparison with finish work.
 - 8. Dispose of mock-up when project is completed or when directed by Architect.

1.4 PROJECT CONDITIONS

- A. Job Conditions: Comply with the following:
 - 1. Do not construct formwork, place steel reinforcement or concrete, or erect panels during adverse weather unless approved measures are taken to prevent damage. During period of dry winds, low humidity and other conditions causing rapid drying, protect fresh concrete with an evaporation retardant (monomolecular film) or fine fog spray of water applied immediately after screeding and bull floating. Maintain protection until final finishing and curing compounds are applied.

2. For cold weather conditions, adequate equipment shall be provided for heating concrete materials and protecting concrete during freezing or near-freezing weather. Concrete materials and reinforcing steel, forms, fillers and ground with which concrete is to come in contact shall be free from frost. If shelters are used, the type of fuel used for heating shall not weaken the concrete surface. Frozen materials or materials containing ice shall not be used.
3. For hot weather conditions proper attention shall be given to concrete materials, production methods, handling, placing, protection and curing to prevent excessive concrete temperatures or water evaporation that may increase shrinkage and impair required strength or serviceability of the member or structure.

1.5 COORDINATION

- A. Coordinate site cast tilt-up operations with Work of other trades in order that Work may be expedited and omissions and delays avoided.

PART 2 - PRODUCTS

2.1 TILT-UP CONCRETE, GENERAL

- A. Comply with ACI 301, unless modified by requirements in the Contract Documents.

2.2 PANEL MATERIALS

- A. Forms:
 1. Forms shall contain blockouts required to provide openings detailed on Drawings. Coordinate openings with other trades.
 2. Panel boundary forms shall be rigidly constructed and well braced steel or wood forms, straight and with precise corners. Design to withstand stresses resulting from the casting process. Consideration should be given to exposed formed surfaces. Forming surfaces shall be smooth and clean prior to pouring of concrete.

Designer/Specifier Note: Delete the following paragraph if mechanically fastening forms to exposed floor slab will not cause problems for the project with such penetrations or attachments, or if the floor slab is to receive coverings or treatments such as overlays that may be affected by the use of non-compatible glues or adhesives.

3. Forms shall be attached to the finished building slab using non-intrusive glues and/or adhesives wherever possible in lieu of nails and bolts to eliminate penetrations and blemishes. Repairs shall be approved by the Architect
4. Panels may be stacked for ease of casting, in forms as specified above.

5. When panels are stack cast, maintain a continuous sound and smooth casting to match the finish of the original casting surface.
 6. Bondbreaker shall be compatible with curing compound or be completely removed according to the manufacturer's cleaning instructions prior to the installation of any subsequent finishes.
- B. Reveal Materials: Materials used for creating reveals or relief in the exterior face of the panel shall be of adequate strength to withstand construction traffic/loads without damage.
- C. Concrete Materials:
1. Cementitious materials shall conform to ASTM C150, C595, C1157 or C1697. Portland cement shall be Type _____. Fly Ash shall be Type _____. GGBFS shall be Grade _____.
 2. Fine and coarse aggregates shall consist of clean, hard strong, and durable inert material, free of injurious amounts of deleterious substances, conforming to ASTM C33 for normal weight concrete and ASTM C330 for lightweight aggregate concrete.
 3. Concrete shall be a design mix approved by Architect.
 4. Mixing water shall be free of any acid, alkali, oil or organic material that may interfere with the setting of the cement.

Designer/Specifier Note: Delete the following paragraph if the concrete surface will be left natural, uncoated or abraded and exposed to a saturated condition during periods of multiple freezing and thawing cycles.

5. Concrete shall not contain air-entrainment admixtures.
 6. Admixtures shall be approved by Architect.
 7. Concrete shall be produced and delivered in accordance with ASTM C94.
- D. Quality of Concrete: Ready-mixed concrete shall conform to ASTM C94. Concrete shall have a minimum compressive strength at 28 days as indicated on the project drawings and as required for panel erection, or specified, and tested according to ASTM C39.
- E. Sacking Materials: Portland cement and water, mixed to a uniform creamy paste.
- F. Dry-Pack Materials: In accordance with requirements specified in Section 03300 – Cast-in-Place Concrete.
- G. Steel Reinforcement:
1. Reinforcing bars shall conform to ASTM A615/A615M, Grade 60, or ASTM A706/A706M. For reinforcing bars conforming to ASTM A706, which will be welded, furnish a report of the chemical analysis for each heat of the bars.

2. Welded wire reinforcement shall conform to ASTM A185 or A497 based on type and location and shall be of the style shown on the project drawings. Welded wire reinforcement shall be supplied in flat sheets.
 3. Bar mats for concrete reinforcement shall conform to ASTM A184.
- H. Lifting Hardware: Lifting hardware, inserts, braces, and related embedded and attached items shall be manufactured specifically for site cast tilt-up construction.
- I. Randomly-Mixed Reinforcing Elements (Fibers): The use of materials mixed with the concrete for reinforcement are commonly applicable for reduction of plastic shrinkage and thermal expansion/contraction. They shall not be used as flexural reinforcement in structural panels unless approved by a licensed design professional and reviewed by the Architect. Consult the manufacturer's literature for proper material quantities and application procedures.
- J. Miscellaneous Metals:
1. Provide inserts, dowels, and other items to be cast in panels, including items required for erection and bracing.
 2. Steel that will be exposed to the exterior or damp environments in finished panels shall be plastic-tipped, hot-dipped galvanized or protected by other means to prevent corrosion or oxidation of the metal after fabrication in accordance with ASTM A123. Ensure that the plastic will not create stress concentrations within the thin sections of concrete when located near a surface from differential thermal expansion and contraction ultimately resulting in local shear failure of the concrete surface producing surface blemishes.
- K. Facing Aggregates:
1. Material: _____.
 2. Gradation: _____.
 3. Color Range: _____.
 4. Sand-Cement-Grout Mix: _____.
 5. Sand-Cement-Grout Slump Range _____ in. to _____ in.
- L. Supports for Steel Reinforcement: Supports may consist of metal, all-plastic and concrete materials.
1. Supports for steel reinforcement shall be designed to prevent spalling of concrete surfaces or streaking of panel face from corrosion.
 2. Metal supports shall be either galvanized after fabrication or with tips protected with plastic. No galvanized or plastic tip metal support shall be used on panels to receive exposed or sandblasted finish.
 3. All-plastic supports should be of such design as to adequately support reinforcement, provide minimal surface contact and be of such coloring as to not be distinguishable on any surfaces. Minimal surface contact is

defined as having a total contact surface area not to exceed 0.10 square inches (64.5 mm²) per contact point. Refer to CRSI Manual of Standard Practice.

4. Concrete supports may only be used in situations where surface contact is not visible.

2.3 CONCRETE CURING MATERIALS

A. Liquid Membrane-Forming Curing Compound:

1. Liquid-type membrane-forming curing compound complying with ASTM C309, Type I and I D, Class B. It is preferred that the curing compound/bondbreaker be the same product or compatible, and that only one manufacturer's product is used.
2. Concrete Curing of Casting Beds: Concrete in and around those areas to be used for casting shall be cured after finishing and as soon as the free water on the surface has disappeared and no water sheen is visible, but not so late that the liquid curing compound will be absorbed into the concrete. The cure and/or bondbreaking compound should be applied at the manufacturer's recommended coverage to achieve minimum moisture loss.
3. Curing compound must be compatible with the bond breaker.

- B. Reusable Wet Cure Covers: Impregnated fiber mat with a white or light-colored backing having low permeability with high moisture retention to maintain the proper moisture content during the concrete curing process. Comply with ASTM C171 for reflection and moisture retention.

Designer/Specifier Note: Tilt-up construction is a form of mass as referenced by the current form of ASHRAE 90.1 and the IECC. This permits the additional consideration of thermal mass to the building envelope balance calculation when using a performance-compliance method or a lower prescriptive R-value requirement. The specifier may wish to consider altering the following paragraph to allow for both a minimum material R-value based on ASHRAE 90.1 or the applicable Energy Code and a submittal demonstrating energy balance under the provisions of ASHRAE 90.1. Mechanical system designs should consider the balance created by mass for efficient operation.

2.4 SANDWICH INSULATION SYSTEMS

- A. Insulated concrete sandwich panels shall be constructed to provide a continuous layer of insulation throughout the entire panel surface. No cross section of the panel shall contain less than the specified minimum R-value below unless compliance is proven through performance-based analysis and reviewed by the Architect.
- B. Insulated concrete sandwich panels shall be constructed to maintain the effective acceptable material R-value of the panels with less than one percent

reduction due to the wythe connections through the insulation. The reduction in thermal performance shall be calculated using the Isothermal planes method of R-value calculation as provided by ASRHAE 90.1. Install in accordance with manufacturer's recommendations.

1. Minimum R-Value: _____.

Designer/Specifier Note: Delete the following paragraph if an integral vapor barrier is not required for the project.

- C. A continuous vapor retarding membrane with a minimum thickness of ____ mil shall be installed between the outer wythe of concrete and the insulation system prior to the placement of the insulation system. All joints in the vapor retarding membrane shall be taped with a minimum 2-inch wide adhesive tape product.

2.5 SEALANTS

- A. Sealants and Caulking: Comply with requirements of Section 079200 – Joint Sealants.

2.6 BONDBREAKER

- A. Liquid Dissipating Membrane-Forming Curing Compound.
 1. The bond breaking material shall also be a dissipating membrane forming material complying with ASTM C 309-98a, Type I and I D, Class B.
 2. The bond breaking compound shall be applied with adequate time to dry prior to placement of reinforcing steel.
 3. The bond breaking compound shall dry in 30-minutes or less at 100°F to reduce panel clean up.
 4. Material shall be compatible with curing material.
 5. The bond breaker used shall be fully removed from the slab surface or shall be compatible with any curing compound.

PART 3 - EXECUTION

3.1 CASTING SURFACES

- A. Casting Slab Preparation:
 1. Casting slab shall be cured. Saw cuts, cracks, joints or defects in the casting bed shall be filled so as to minimize transfer of the joint line to the panel face.
 2. Waste slabs, if used, shall be of sufficient thickness and strength so as not to crack with the weight of the panels.
 3. Contractor shall be responsible for compatibility of curing agents, sealants, and releasing agents utilized in the Work. If panels are to be stacked, the

troweled surface shall be considered the casting bed and shall be treated as the same.

4. Isolation pockets shall be formed in such a manner as to minimize the transfer of the pocket to the finished appearance of the panel.
 - B. Bondbreaker shall be applied in accordance with manufacturer's printed instructions for the applicable condition.
 - C. Locate and install all inserts and anchorages required for the panels prior to casting of any concrete. When approved by the engineer of record, embedded items such as dowels, inserts or anchorages, that either protrude from the concrete or remain exposed for inspection, may be installed while the concrete is in a plastic state. This is provided the item(s) is not required to be hooked or tied to the reinforcement within the concrete and are maintained in the correct position until the concrete hardens. Such items shall be properly anchored to ensure full development of the design load. The concrete surface adjacent to the embedded item shall be properly finished for correct interfacing.
 - D. After placing steel reinforcement for panels, check casting slab surfaces for continuity of bondbreaker. If touch-up or recoating of worn, damaged or missing areas is required, the Contractor shall remove the steel reinforcement entirely prior to re-application of the bondbreaker unless approved by the Architect.

3.2 FORMING PANELS

- A. Layout the panels for casting in a manner that minimizes the locations of floor joints, column isolation joints and other construction joints in the panel faces. Prevent the layout of the panels over temporarily poured casting surfaces such as pre-formed columns and pits unless deemed absolutely necessary.
- B. Forms shall be designed to maintain the perimeter of the panel as shown on the project drawings within 1/4-inch maximum deflection during pouring.
- C. Formed blockouts for openings in the panels shall be designed to limit the deflection during pouring to a maximum of 1/8 inch.
- D. Where reveals are specified in panels, assure that forming strips are straight and securely fastened to prevent movement or floating during placing operations and that alignment between adjacent panels is correct. Reveal tolerances shall comply with requirements specified in this Section.

3.3 PLACING CONCRETE

- A. Place concrete in accordance with recommendations in ACI 309 and the following:

1. Concrete shall be thoroughly worked around reinforcement, around the embedded items, and into corners of the forms.
2. Cold joints shall not be permitted in an individual site cast tilt-up panel.

Designer/Specifier Note: The TCA recommends both cylinder and beam tests. The embedment strength of the lifting inserts is related to the concrete compressive strength determined by the cylinders. The ability of the concrete to resist cracking during panel rotation is related to the modulus of rupture strength determined by the beams. Proceeding without both of these tests may jeopardize the success and ultimately the safety of the project.

3.4 FIELD QUALITY CONTROL TESTING

A. Field Testing:

1. The Contractor shall make and store a minimum of four 6x12 cylinders or five 4x8 cylinders and four 6x6x24 beams in accordance to ASTM C31. Specimens shall be made for each class of concrete, for each 100 cu.yds. or fraction thereof, and for each day concrete is cast, or not less than once for each 5,000 sq.ft. of panel area.
2. Test cylinders shall be tested in accordance with ASTM C39. A minimum of 2 from each set shall be tested at 7 days and the rest at 28 days.
3. Test beams shall be tested in accordance with ASTM C78. At least two from each set shall be tested prior to panel erection. The average of the two beam results shall be considered the tested flexural strength to determine if the specified flexural strength has been met. Remaining specimens shall be kept in reserve in the event that additional testing is needed.
4. Test specimens and test reports shall accurately indicate in which panel, by number and concrete delivery tag, the concrete represented by each test specimen was placed.
5. Copies of test reports shall be distributed to Owner, Architect, Building Official and Contractor. Reports shall indicate location of tests, dates, technician, and other pertinent information

B. Deficient Compressive Strength: In the event that concrete tests indicate a 7-day or 28-day strength below that which was specified, the Contractor with the agreement of the Architect shall have the mix adjusted so that subsequent concrete will comply with the minimum strength requirements.

1. The Owner may require core specimens to be taken and tested, at the Contractor's expense. If core tests fall below minimum requirements, as determined by the Architect, the concrete in place will be deemed to be defective.
2. This concrete shall be removed and replaced or strengthened in a manner acceptable to the Owner and Architect, at the Contractor's expense.

3. Demolition or repair of other materials or systems as a result of repair or replacement of defective concrete shall be at the Contractor's expense.

3.5 CURING AND PROTECTION

A. Comply with recommendations in ACI 308 and the following:

1. Protect freshly placed concrete from premature drying and excessive cold or hot temperatures and maintain without drying at a relatively constant temperature for the period of time necessary for hydration of the cement and proper hardening of the concrete.
2. Apply liquid membrane curing compound in accordance with manufacturer's recommendations.
3. Underlying panels in a stack cast arrangement shall be cured in the same manner as casting beds.

B. Moist Curing in lieu of Liquid Membranes for Curing:

1. Cover panels completely with 4-mil polyethylene, transguard or burlene to prevent evaporation. The panels shall be kept wet for seven days. Do not allow alternate wetting and drying. The polyethylene shall be turned over and down the edge of the forms and securely fastened.
2. In panels or areas to be cured, weight the polyethylene, transguard or burlene with enough and type of weight to prevent normal winds for the area from blowing it off the panels. Keep panels wet until erection begins or approved by the Architect.

3.6 CASTING TOLERANCES

A. Dimensions of the finished panels, prior to erection in the structure, shall conform to the casting tolerances stated below unless otherwise specified or approved by the Architect.

B. Deviation from Specified Height or Width of Structural Panel:

- | | |
|---|-----------|
| 1. Up to 20 feet | ± 1/4 in. |
| 2. 20 feet to 30 feet | ± 3/8 in. |
| 3. Each additional 10-foot increment in excess of 30 feet | ± 1/8 in. |
| 4. Maximum overall tolerance | ± 5/8 in. |

C. Deviation from Specified Panel Thickness: Note the tolerance listed is for the average variation of panel thickness through any cross-section of the panel.

- | | |
|---|----------|
| 1. Top surface of panel from casting slab | ±3/8 in. |
| 2. Thickness of panel, any one individual measurement | -1/2 in. |

3. Thickness of panel, average of all measurements -3/8 in.
 4. Minimum number of panel thickness measurements, when taken, shall be four (4) for each 5,000 sq.ft. or part thereof, or a minimum of three (3) measurements in any one panel less than 5,000 sq.ft.
- D. Deviation in Length of Diagonals for a Rectangular Member or Opening, where Length of Diagonal is as follows. Note the tolerance listed is the measured difference in length of the two diagonals across any rectangle.
1. Less than or equal to 6 ft. ± 1/8 in.
 2. Over 6 ft. but less than or equal to 12 ft. ± 1/4 in.
 3. Over 12 ft. but less than or equal to 18 ft. ± 3/8 in.
 4. Over 18 ft. ± 1/2 in.
- E. Deviations from Specified Size:
1. Rough opening ± 1 in.
 2. Finished opening ± 1/2 in.
 3. Rustication or architectural feature ± 1/8 in.
- F. Deviation from Specified Location (any direction):
1. Blockout or opening ± 1 in.
 2. Bolts, pipes or sleeves ± 1/2 in.
 3. Lifting and bracing inserts per manufacturer's specs, not to exceed ± 1 in.
 4. Embeds ± 1 in.
 5. Reglets for flashing or bricks ± 1/4 in.
 6. Rustication or architectural feature ± 1/8 in.
 7. Electrical box or accessory of another trade ± 1 in.
- G. Deviation from Plane:
1. Embeds (Tipping & Flushness) ± 1/4 in.
 2. Surface of concrete between embeds ± 1/4 in.
 3. Depth of recess, from casting surface ± 1/4 in.
- H. Deviation from Specified Position of Reinforcement:
1. Cover, in accordance with ACI 318 and in no case less than specified elsewhere ± 1/4 in.
 2. Centroid within section, at any point within span ± 1/2 in.
 3. Plan position of reinforcement ± 1 in.
- I. Dimensions of Thin-Brick Elements Incorporated into Tilt-up Panels:

- | | |
|--|-----------------|
| 1. Thickness, variation | + 0, - 1/16 in. |
| 2. Maximum thickness | 1 in. |
| 3. Minimum thickness | 1/2 in. |
| 4. Unit dimension 8 inches or less, variation | + 0, - 1/16 in. |
| 5. Unit dimension greater than 8 inches, variation | + 0, - 3/32 in. |

Designer/Specifier Note: It is strongly recommended that the Architect consider the finish specified as it will impact the cost of the project. It is acceptable and recommended to specify different levels of finish for the project using a key plan. Further restrictions can be made to the provisions of the finish grades of this section with the understood implication to cost.

3.7 PANEL FINISH

- A. Finish exposed surfaces of panels as indicated on the Drawings including both the front and back of the panels as well as any exposed edges as defined below. Visible surfaces of the panels, when in place shall be free from surface defects as defined below.
- B. Grade A - Architectural: Projects designed for the circulation of people within a distance of 10 feet to 25 feet.
1. Panel surfaces shall be free of voids, holes, pockets and other surface deformations greater than 1/8 inch.
 2. Surfaces of panels shall not project reinforcing patterns, floor joints or other projections or voids from the casting surface.
 3. Cracks are not permissible in excess of 1/32 inch.
 4. Surface repairs shall be performed in such a way as to prevent the projection of repair strokes through the intended finish.
 5. Holes shall be filled with patching material to present a smooth surface ready for painting unless the designed finish is to result in exposed aggregates whereby the patching material shall match the intended color and texture.
- C. Grade B - Standard: Projects designed for the circulation of people within a distance greater than 25 feet while retaining an emphasis on quality finishes and aesthetic detail.
1. Panel surfaces shall be free of all voids, holes, pockets and other surface deformations greater than 1/4 inch.
 2. Surfaces of panels may be repaired sufficiently to prevent excessive projection of blemishes through intended finish.
 3. Cracks are permissible as naturally resulting from curing. Cracks are not permissible as caused by erection forces.
 4. Surface repairs shall improve the appearance of the panels within the descriptions above provided they do not result in additional blemishes that are visible within the distance set.

5. Holes shall be filled with patching material to present a smooth surface ready for painting unless the designed finish is to result in exposed aggregates whereby the patching material shall match the intended color and texture.
- D. Grade C - Utility: Projects designed for remote areas with little or no public interaction and/or projects designed specifically for interior use with little or no emphasis towards the exterior design.
1. Consult with the Architect and the Owner prior to initiating the project to determine the expectations for the project appearance.
 2. Panel surfaces showing voids, holes, pockets and other surface deformations are permissible provided they do not weaken the structural integrity of the panel or the finish of the panel/
 3. Cracked surfaces are permissible provided the cracks are not resulting from structural weakness or failure and provided they do not present the potential for failure of the finish over the life of the building.
 4. Non-casting surface faces are to receive a floated finish unless noted otherwise on the drawing elevations.
- E. Surfaces to be painted shall be prepared to receive paint finish as specified in Section 099000 – Painting and Coating.

3.8 HANDLING AND ERECTION OF PANELS

- A. Engineer panels for erection stresses and selection of lifting system and hardware.
1. Minimum strength of panels at time of erection shall be in accordance with the lifting design.
 2. It is recommended that the Contractor take extra test specimens and field cure to verify concrete strength of panels or demonstrate the acceptable strength through maturity prediction of calibrated mix designs.
 3. Before starting erection operations, Contractor shall check relevant job site conditions insofar as they are ready for the erection of panels. Each element shall be properly marked to correspond with the designation indicated on the approved Shop Drawings.
 4. Use erection equipment that will prevent damage to existing construction, permanent floor slabs and panels. Damage to Work shall be repaired or replaced at the Contractor's expense and in a manner acceptable to the Architect prior to painting or coating.
 5. Temporary panel bracing shall not be removed until roof diaphragm is completely welded and installed.

Designer/Specifier Note: Typically retain subparagraph 1 following. The project Structural Engineer should verify the footing design for point loading of panel supports during construction.

- B. Set panels in the position assigned. Place panels evenly on prepared setting pads or proper-capacity shims. Grout space under panels for full bearing or provide additional support until grouting takes place.
 - 1. Provide sufficient number of shims to adequately distribute the load on the footing or grout as soon as practical to prevent damage of the footing.
- C. Panels not attached to the building frame at the time of erection shall be braced in position using a bracing system designed to resist wind and other loads that may reasonably be determined until structural connections have been made. There shall be a minimum of two braces per panel. Engineering of bracing shall be the responsibility of the Contractor. Panel bracing connection shall be maintained daily to assure tightness.
- D. Dry-pack grout installation and preparation for weld pockets and other panel block outs not cast in during pouring shall be performed as follows:
 - 1. Remove laitance down to sound concrete
 - 2. Surface to receive grout shall be rough and reasonably level
 - 3. Surface shall have been properly wet cured
 - 4. Do not use curing compounds
 - 5. Clean surface of oil, grease, dirt and loose particles.
 - 6. Remove free water from concrete and bolt holes immediately before grouting.
- E. After Panels are Erected:
 - 1. Check connecting bolts at the floor and panels daily to ensure tightness.
 - 2. Protect elements to prevent staining, warping or cracking. After panels are erected, dismantle panel erection devices and patch panels as required for a uniform appearance.
 - 3. After panels are erected, patch holes or other blemishes in casting slab that were caused by the panel casting and erection processes in a manner acceptable to the Architect.

3.9 ERECTION TOLERANCES

- A. Erection Tolerances: Dimensions of the finished panel in the erected position in the structure shall conform to the erection tolerances stated below unless otherwise specified or approved by the Architect.
- B. Deviation from Specified Dimension Between Controlling Surface or Line and Building Reference Line:
 - 1. Horizontal dimension to vertical surface + 1/2 in., - 1/4 in.
 - 2. Vertical dimension to horizontal surface + 1/4 in., - 1/2 in.
 - 3. From top elevation ± 1/2 in.

C. Deviation from Plumb of the Controlling Surface or Line:

- | | |
|--------------------------------------|-----------|
| 1. Any 10 feet of member height | ± 1/4 in. |
| 2. Each additional 10 feet of height | ± 1/4 in. |
| 3. Not to exceed | ± 1 in. |

D. Deviation from Specified Relationship of Adjacent Members:

- | | |
|--|-----------|
| 1. Matching edges at horizontal and vertical joints | ± 1/2 in. |
| 2. Matching faces exposed to view | ± 3/8 in. |
| 3. Matching faces not exposed to view | ± 3/4 in. |
| 4. Bowing between adjacent members | 1/2 in. |
| 5. Alignment of brick mortar joints across joints, jog in alignment. | 1/8 in. |
| 6. Alignment of brick mortar joints across joints, alignment with panel centerline | ± 1/8 in. |

E. Deviation from Specified Joint Width:

- | | |
|---|-----------|
| 1. Vertical joint (governs over joint taper), total | ± 3/8 in. |
| 2. Horizontal joint (governs over joint taper), total | ± 3/8 in. |
| 3. Visually noncritical joint | ± 1/2 in. |
| 4. Joint taper over any 10 ft. length measured between the panels at the exterior face of the panels at the joint. | ± 3/8 in. |
| 5. Joint taper over entire length measured between the panels at the exterior face of the panels at the joint | ± 1/2 in. |
| 6. Variation in width of exposed brick mortar joints measured difference in joint width indicating the panel edges are not parallel | ± 1/8 in. |

F. Deviation of Architectural Features at Face of Panel:

- | | |
|---|------------|
| 1. Brick (individual) out of plane, any one (depth of form liner joint) | - 1/4 in. |
| 2. Brick (individual) tipping, any one (depth of form liner joint) | - 1/4 in. |
| 3. Brick (individual) out of square, any one | ± 1/16 in. |
| 4. Brick (field), max. per panel | 2 percent |

Designer/Specifier Note: The IECC 2012 instituted the requirements for continuous air barrier for climate zones above Zone 1A. For tilt-up buildings, this is easily achieved with this requirement for sealing of panel joints. The addition of the interior sealant requirement (optional) adds a double-layer protection and maintains the cleanliness of the interior panel surface.

3.10 SEALING OF PANEL JOINTS

- A. Clean the panel joints of contaminants, including form release agents and concrete laitance. Dust and loose particles shall be blown out or otherwise cleaned to provide proper bond. Apply sealants in accordance with manufacturer's recommendations.
- B. Install fire-resistive blanket where indicated.
- C. Install joint insulation where indicated to consist of a limited expansion polyurethane insulation or an approved equal as provided in accordance with Section 072000 – Insulation.
- D. Install back-up rod, primer, paint and sealant in accordance with Section 079200 – Sealants and Caulking.

3.11 ATTACHING PANELS TO BUILDING FRAME

- A. Perform welding in accordance with ANSI/AWS D1.4. Wait a minimum of 28 days from panel casting before making panel-to-panel welds.

3.12 CLEANING AND PROTECTION

- A. Remove trash, debris, surplus materials, tools and equipment from site on a regular basis.

END OF SECTION

This publication is intended for the use of professional personnel competent to evaluate the limitations of its content and who will accept responsibility for the application of its contents. It necessarily addresses the specification of site cast tilt-up construction of a general nature. The professional using this publication is solely responsible for the application of its content to project documents, and for determining when its content is not applicable. The tilt-up concrete association makes no representation, warranty, or guarantee in connection with this publication, and expressly disclaims any and all responsibility for the accuracy or application of this guideline, and for any loss or damage resulting from its use. The tilt-up concrete association is not undertaking to meet the duties of employers, manufacturers or suppliers to properly train, warn, and equip their employees, or others, and to comply with applicable federal, state or local regulations or laws.

SECTION 260501 - PROJECT SPECIAL CONDITIONS

PART 1 - GENERAL

1.1 APPLICABLE PROVISIONS

- A. This specification covers those conditions that are particular to this project. This section further explains and outlines other portions of these specifications.

1.2 ADDITIONAL ITEMS

- A. Include in bid the cost to provide the following additional items:
 - 1. Ten duplex receptacles.
 - 2. Five wall switches.
 - 3. Three 20 amp, 3-phase motor connection.
 - 4. Four fire alarm horn/strobe units.
 - 5. Four fire alarm smoke detectors.
 - 6. Four fire alarm pull stations.
 - 7. Four exit lights.
 - 8. Ten data outlets.
- B. For each of the device mentioned above, assume a separate homerun circuit of a minimum of 150'. Include all conduit, wire, and labor. Assume a separate circuit breaker for each unit. For the motor assume a 208 volt circuit breaker.

1.3 SPARE EMPTY BOXES

- A. Include in bid the cost to furnish and install ten blank box type outlets. This shall consist of:
 - 1. A single gang box mounted 18" AFF.
 - 2. 1" conduit extended from box up the ceiling and horizontally 30'.
 - 3. Insulated connectors on each end.
 - 4. Blank cover.
- B. These boxes may be used for the Owner's provided sound system, communications, or security system. If these boxes are required, the contractor will be instructed as to where they are to be placed.

PART 2 - PRODUCTS

2.1 UTILITIES

- A. Electrical Utilities

1. Alliant Energy
Office: 800-255-4268
2200 Campion Blvd.
Prairie du Chien, WI 53821
2. Electric Service Utility costs shall be included in Electrical Contractor bid (see allowances).
3. Temporary Electric Service
 - a. Installed by Electrical Contractor
4. Temporary Electrical Service Utility Fee
 - a. By Electrical Contractor
5. Temporary Power Usage Cost
 - a. By General Contractor

B. Fiber Utilities

1. Lumen/CenturyLink
Office: 608-326-0931
124 S. Beaumont Rd.
Prairie du Chien, WI 53821
2. Fiber Service Utility costs shall be included in Electrical Contractor bid (see allowances).

C. CATV Utilities

1. Mediacom
Office: 855-633-4226
100 N. Marquette Rd.
Prairie du Chien, WI 53821
2. CATV Service Utility costs shall be included in Electrical Contractor bid (see allowances).

2.2 ACCESS CONTROL, SECURITY CAMERA & AV SYSTEMS:

- A. The owner is contracting the installation of access control, security camera, and audio-video cabling systems separately from this project.
- B.** Provide rough-in, **cabling** and 120-volt power required for locations shown on power plans. Rough-in to include boxes and conduit in walls and conduit for all cabling routed at exposed structure ceilings in all spaces. Also provide all sleeves thru floors and walls as required for cable routing.

1. **Provide all cabling to door strikes, contacts and card readers.**
2. **Cabling shall include:**
 - a. **Doors with Card Readers: Belden 658GMS or equal.**
 - b. **Doors with door contacts only: 22/2 plenum rated.**
 - c. **Mezzanine hatches with door contacts: 22/2 plenum rated.**
 - a.d. **All cabling shall be routed in conduit through areas with exposed structure.**

~~B.C. Cabling, terminations~~ **Terminations**, and equipment, etc. will be provided by owner's vendor separately from electrical construction.

~~C.D.~~ Include time in bid to meet with owner's contractor and review their rough-in requirements.

1. Contact:
TC Networks
ATTN: David Bauer
Office: 877-897-6626
dbauer@tcnetworks.com

2.3 RADIO SYSTEM:

- A. The owner is contracting the installation of radio system separately from this project.
- B. Provide rough-in and 120-volt power required for locations shown on power plans. Rough-in to include boxes and conduit in walls and conduit for all cabling routed at exposed structure ceilings in all spaces. Also provide all sleeves thru floors and walls as required for cable routing.
- C. Cabling, terminations, and equipment, etc. will be provided by owner's vendor separately from electrical construction.
- D. Include time in bid to meet with owner's contractor and review their rough-in requirements.

1. Contact:
Baycom, Inc.
ATTN: Mike Bohan
Cell: 608-498-8887
mbohan@baycominc.com

2.4 CONCRETE BASES AND PADS

- A. Provided per Division 26.

2.5 PRECAST CONCRETE PANELS

- A. See architectural plans for locations of precast panels that will be solid-core. Ensure all work required to cast-in-place conduit and boxes are included in bid.
- B. Where outlet boxes are shown on solid-core precast concrete, furnish all boxes and conduits required for devices shown on precast (other than at mechanical rooms, mezzanine spaces and data rooms) to Precast Panel Supplier at time of panel fabrication so that all conduit is concealed and all boxes are flush mounted. Provide all measurements required to locate such conduit and boxes within the manufacturer's requirements for fabrication.

2.6 CASE WORK/CONNECTIONS TO BUILT-IN-PLACE & FREE-STANDING COUNTERS/DESKS

- A. For those areas indicated as having a built-in-place counter or desk, such as offices and IMCs, provide the electrical equipment shown within the desk. All equipment items shall be cut into the work side front of the desk. Cut in all devices.
- B. Coordinate the actual device locations with the Owner or in a meeting with the Owner and with the counter/desk supplier. For counters mounted adjacent to the wall, provide junction boxes in the wall, and wire from these junction boxes into the counter. Provide EMT or flexible conduits through the counter hollow spaces to the various outlets shown.
- C. On those plans where floor boxes are shown under the counter/desk, provide conduit-type box connections on these floor boxes and feed conduit up to the devices. In all cases, desks are shown as having power and a low-tension outlet. Rough-ins must be provided for each type of low-tension outlet, i.e. for telephone and data outlets in a counter, provide two separate conduit systems.
- D. Provide all rough-in through the floor and all wiring hidden within the counter space to make connections to the equipment. Where low voltage-type outlets are shown, such as telephone, data, cable television, or empty boxes, provide a minimum 3/4" conduit stubbed from the box shown into the floor, up the nearest adjacent wall to the ceiling space where the conduit shall be terminated and marked as to its function, i.e. "kitchen island".

2.7 SPRINKLER SYSTEM FLOW

- A. Verify all requirements of the sprinkler flow system. Assume the following:
 - 1. Furnish all wiring for interconnecting equipment.
 - 2. Mount wall mounted control panel, interior bell, exterior bell.
 - 3. Furnish connection from control panel to security panel, fire alarm panel and other monitoring panel if so indicated. If monitoring panels, other than the above two are indicated on the drawings.
 - 4. Furnish and install exterior, weatherproof, wall mounted strobes. Provide weather resistant, engraved, brass nameplate mounted adjacent to strobe which states "Sprinkler Flow".

2.8 EQUIPMENT FURNISHED BY OWNER FOR DIVISION 26 INSTALLATION

- A. Be responsible for installation of all equipment that is being furnished directly by the Owner. Include costs in bid to move the equipment from the owner's storage to the project site, unpack the equipment, inspect the equipment for damage and call to the Owners attention any problems, dispose of packaging materials, and provide all connection and adjustment.

2.9 CASE WORK/FUME HOOD DIVISION 26 CONNECTIONS

- A. Case work located in laboratories and art rooms, etc. where wiring devices are furnished as part of the equipment, but wired by Division 26, Division 26 to assume the following:
 - 1. Furnished with Case Work:
 - a. Opening in case work top or front for mounting of device.
 - b. Face plates, outlet box for flush mounted type devices.
 - c. Pedestal box receptacle and pipe nipple through top for pedestal mounted devices.
 - 2. Furnished by Division 26:
 - a. The rough-in stub-up through floor or walls for connections to device.
 - b. Flexible conduit with ground wire from stub-up to a wiring device junction box.
 - c. Mounting and attachment of wiring device.
 - d. Installation of wiring device outlet box, pedestal into case work.
 - e. Spare conduit as shown on details.
 - f. Wiring devices.

2.10 OVERHEAD DOOR OPERATORS

- A. The overhead door operators are furnished by other contractors. Division 26 is to provide the wiring to the door and the control. Work shall consist of the following:
 - 1. Verify voltage and phase with door supplier prior to any rough-in.
 - 2. Determine type of connection to overhead doors. Provide receptacle plug-in if applicable.
 - 3. Provide disconnect at door operator.
 - 4. Wire pushbutton operators. The electrical contractor shall assume that he is to provide conduit and wire from each of the pushbuttons to the door operator.
 - 5. Wire door limit switches and pressure bar.

2.11 WIRING OF HANDICAP ACCESSIBLE MOTORIZED DOORS

- A. The handicap door operators will be furnished by other contractors. Provide wiring to the door and to the control. Work will consist of the following:
 - 1. Verify voltage and phase with door supplier prior to rough-in.
 - 2. Determine type of connection to doors.
 - 3. Provide rough-in, conduit and wiring for pushbutton operators.
 - 4. Wire any limit switches or other controls associated with the door.

5. Electrical contractor shall review the specifications to determine exact requirements.

2.12 POWER VENT UNITS

- A. Provide all electrical connections for power vent units. Whenever a clothes dryer is shown to be connected, this unit will have a power vent unit and should be wired to the nearest 120 volt circuit. Verify exact requirements with system supplier.

2.13 LOW VOLTAGE SYSTEM CABLE SLEEVES

- A. Provide low voltage system cable sleeves throughout the building. Provide sleeves as follows:
 1. All sleeves are to be steel and are to have insulated connectors on the end, or other type of cable protection.
 2. Sleeves are to extend a minimum of 6" out from the wall.
 3. A 1" sleeve shall be placed above the ceiling, through the wall, between all offices and corridors, and classrooms and corridors, or other areas where cables are to be routed. When there is more than one floor provide vertical (minimum 3-2") between floors.
 4. In area where there is no finished ceiling, a conduit shall be extended from the communications outlet box, directly into an accessible ceiling area.
 5. Cable shall be installed in conduit in all mechanical rooms, penthouses, gymnasiums, and any other open-structure rooms.
 6. In addition to these sleeves, also provide the sleeves that are shown on the floor plans.
 7. All low voltage devices in walls, including fire alarm devices, must have conduit stubbed from box in wall to above accessible ceiling.

2.14 UTILITIES COORDINATION

- A. Be responsible for electric utility coordination on behalf of the owner. Contact the Owner to determine requirements, and from that, organize a meeting with the various system serving utilities such that the raceway stub-outs and installation of service can be done to coordinate with building construction.

2.15 MULTI-POLE CIRCUITS

- A. Multi-pole circuits are not allowed for single-phase line to neutral loads.

PART 3 - EXECUTION

3.1 ALLOWANCES

- A. For all equipment and labor allowances, assume the following:
 1. All handling costs, profit margin, overhead, and taxes are assumed to be included in the contract, and thus the allowance cost is the actual contractor cost. If the allowance amount indicated is more than the actual cost, deduct this cost from the allowance

amount, and the balance shall be deducted from the electrical contract by change order. In similar fashion, any costs above that shown on the allowance, shall be reimbursed to the contractor at his cost and will be added to the contract by change order.

- 2. For those items which require material and labor, the material and labor will be priced per the change order method listed in specification section 26 05 00.
- 3. The utility allowance is to cover cost assessed by the various utilities to provide permanent service to the facility. This service fee should cover the amount of the utility invoice only. It is not meant to cover:

- a. Temporary service fees (unless stated otherwise).
- b. Energy usage.
- c. Project electrical contractor materials or labor.

- 4. For those allowances for utility fees, the electrical contract will be adjusted up or down by change order by the amount listed for the change order, less the actual cost of the utility fee. No additional compensation for mark-ups or handling will be allowed by the contractor. Any such costs for this shall be included in the bid.

B. The following allowances shall be included in the contract:

1. Electric utility fee	\$30,000
2. Fiber Utility Fee	\$10,000
3. CATV Utility Fee	\$5,000

C. For all allowances listed, assume that all handling costs, taxes and installation are in addition to the allowance shown. The allowance amount shown is the invoice amount from the equipment supplier or subcontractor.

3.2 ALTERNATES (NONE)

END OF SECTION 260501



CITY OF PRAIRIE DU CHIEN
PUBLIC SAFETY FACILITY

705 EAST TAYLOR STREET
PRAIRIE DU CHIEN, WI

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SEH Project: PDGAR 177829
Checked By: [Blank]
Drawn By: [Blank]

Project Status: FOR CONSTRUCTION
Issue Date: 1/26/2026

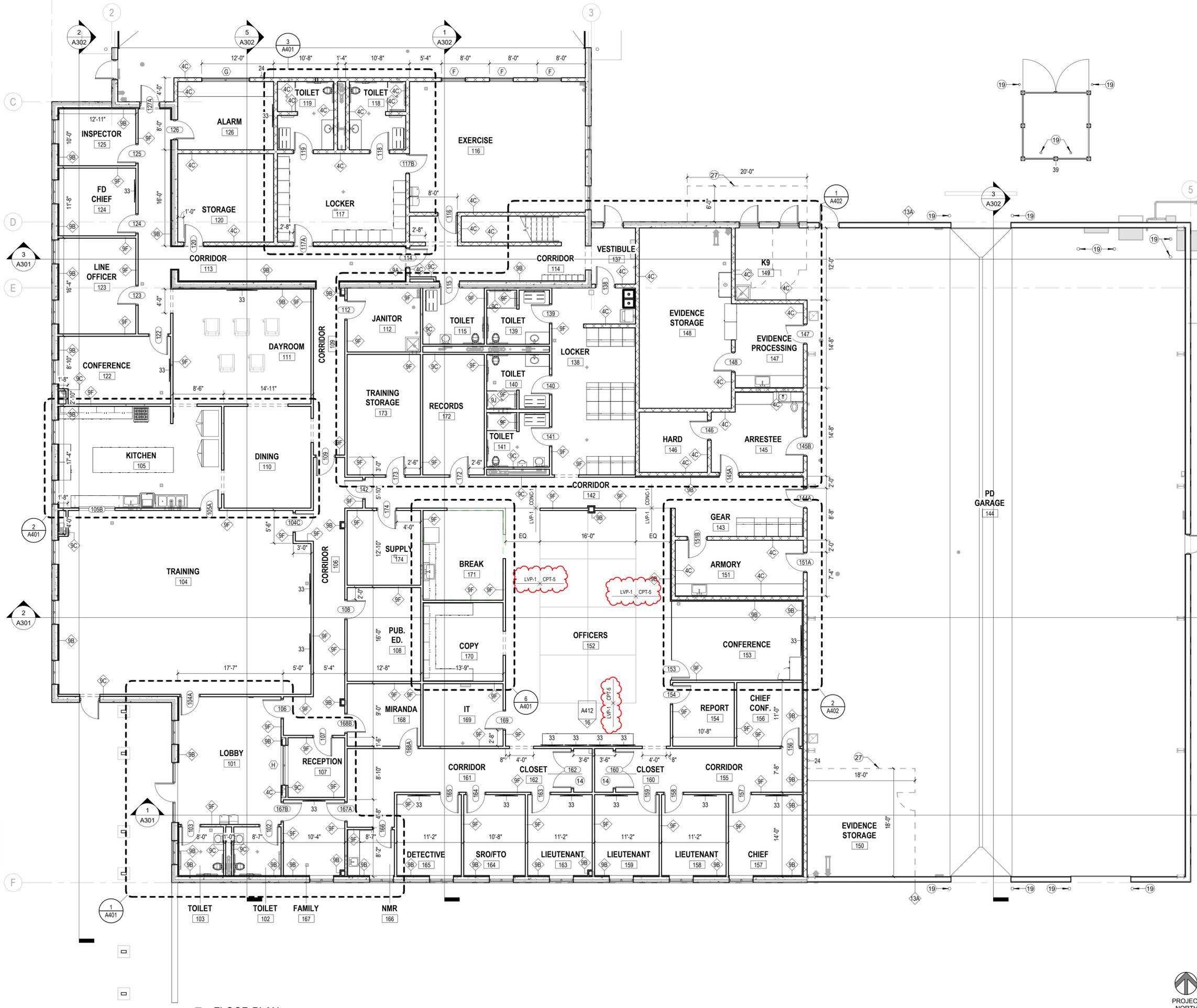
REVISION SCHEDULE		
REV. #	DESCRIPTION	DATE
1	ADDENDUM 2	3-6-2026

FLOOR PLAN - LEVEL 1

A113

SPECIALTIES SCHEDULE	
KEYNOTE	SPECIALTIES DESCRIPTION
1	TURNOUT GEAR LOCKER
2	18" GRAB BAR (VERTICAL)
3	24" GRAB BAR (HORIZONTAL)
4	36" GRAB BAR (HORIZONTAL)
5	42" GRAB BAR (HORIZONTAL)
6	TWO-WALL GRAB BAR (HORIZONTAL)
7	TOILET TISSUE DISPENSER (O.F. / C.I.)
8	ADA BENCH (FREE STANDING)
9	PAPER TOWEL DISPENSER (O.F. / C.I.)
10	MIRROR
11	WALL MOUNTED SOAP DISPENSER (O.F. / C.I.)
12	FOLDING SHOWER SEAT (CONFIRM MOUNTING PRIOR TO INSTALLATION)
13	ROBE HOOK
14	SHOWER CURTAIN AND ROD
15	CORRIDOR & DECON LOCKER (12" WIDE)
16	METAL LOCKER ROOM LOCKER (24" WIDE)
17	REFRIGERATOR (N.I.C.)
18	FREEZER (N.I.C.)
19	UNDERCOUNTER REFRIGERATOR (N.I.C.)
20	FUME HOOD - MOTT 7224040-S2 OR APPROVED EQUAL
21	DISHWASHER (N.I.C.)
22	GAS RANGE (O.F. / C.I.)
24	WALL MOUNTED FIRE EXTINGUISHER, VERIFY LOCATION W/ OWNER
25	FIRE EXTINGUISHER CABINET, VERIFY LOCATION W/ OWNER
26	RESIDENTIAL WASHER (N.I.C.)
27	COMMERCIAL EXTRACTOR (N.I.C.)
28	COMMERCIAL DRYER (N.I.C.)
29	42" DETENTION GRAB BAR (HORIZONTAL)
30	STACKED WASHER & DRYER (N.I.C.)
31	MOP & BROOM HOLDER
32	SHelf
33	MONITOR (N.I.C.) - CONTRACTOR TO PROVIDE BACKING, VERIFY HEIGHT W/ OWNER
34	DIAPER-CHANGING STATION
35	TOILETRIES SHelf
36	METAL DUTY WEAR LOCKER (24" WIDE)
37	METAL SQUAD BAG LOCKER (24" WIDE)
38	METAL WEAPONS LOCKER (36" WIDE)
39	DUMPSTER ENCLOSURE

CONSTRUCTION KEYNOTE LEGEND	
1	CONCRETE FILLED METAL PAN STAIR
2	STEEL PIPE HANDRAIL, MOUNTED TO WALL
3	STEEL PIPE HANDRAIL, MOUNTED TO GUARDRAIL
4	LOCKER CORNER CONDITIONS TO HAVE FILLER CAP, TYP.
5	TILE SHOWER, SEE 9/A506 FOR THRESHOLD DETAIL
6	SOLID SURFACE COUNTERTOP W/ 4 GROMMETS, VERIFY GROMMET LOCATIONS W/ OWNER
7	PROVIDE BLOCKING IN THIS WALL, 4 STUD CAVITIES W/ (2) 8" TALL BLOCKS EACH. VERIFY LOCATIONS W/ OWNER
8	RADIANT IN-FLOOR HEAT MANIFOLD COVER, SEE 7/A503
9	FILL CMU CORES W/ SAND, FULL HEIGHT OF WALL
10	WALL MOUNTED STEEL SHIPS LADDER, SEE 1/A503
11	ROOF HATCH, LOCATE BETWEEN STEEL JOISTS
12	REMOVABLE RAILING, SEE 4/A503 FOR DETAIL
13	PRESSED CONCRETE ROOF PAVERS
14	METAL COAT ROD MOUNTED AT 5'-0" A.F.F., FULL WIDTH
15	ROOF WALKWAY PADS, TYPICAL
16	HOSE WASHER - N.I.C.
17	HOSE DRYER - N.I.C.
18	FURNITURE - N.I.C.
19	PIPE BOLLARD, SEE STRUCTURAL FOR DETAIL
20	MOBILE HOSE STORAGE RACK - N.I.C.
21	STEEL PIPE GUARDRAIL, SEE 5/A503
22	48" HIGH MIRROR ALONG ENTIRE WALL MOUNTED @ 36" A.F.F.
23	DECORATIVE METAL MALTESE CROSS, SEE 10/A506
24	EVIDENCE LOCKER, BASIS OF DESIGN: SPACESAVER CORP., (1) LOCKER STANDARD CONFIGURATION 33 W/ MAIL SLOT, (1) LOCKER STANDARD CONFIGURATION 15 W/ REFRIGERATOR BOTTOM UNIT
25	TRANSACTION WINDOW, SEE 18/A504
26	EQUIPMENT PAD, SEE STRUCTURAL FOR DETAILS
27	CHAIN LINK FENCING
28	INSTALL GRAB BARS IN SHOWERS WITH TOP OF GRIPPING SURFACE AT 34" A.F.F.
29	PROVIDE 24"x48" SECURE ACCESS PANEL IN THIS ROOM
30	HALF HEIGHT WALL, SEE 8/A504
31	STAINLESS STEEL COUNTERTOP W/ BACKSPLASH & MARINE EDGE
32	WALL MOUNTED TRANSLUCENT FIBERGLASS CANOPY, SEE 4/A502
33	STANDALONE TRANSLUCENT FIBERGLASS CANOPY

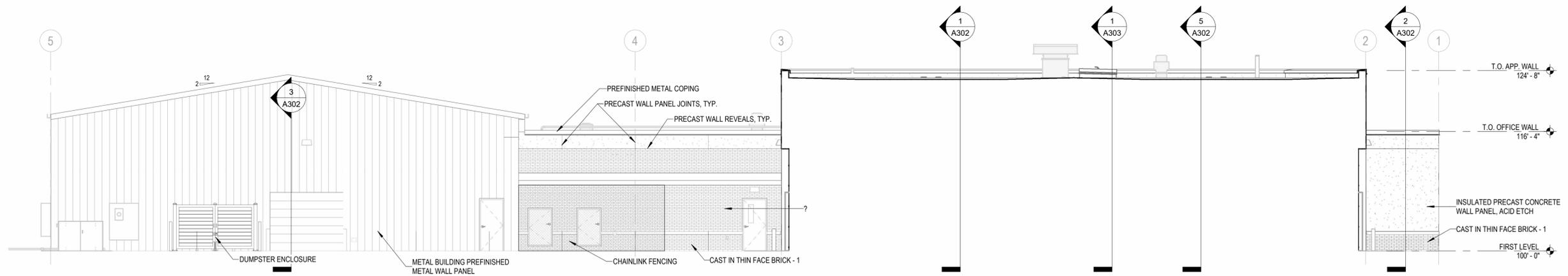


1 FLOOR PLAN
1/8" = 1'-0"

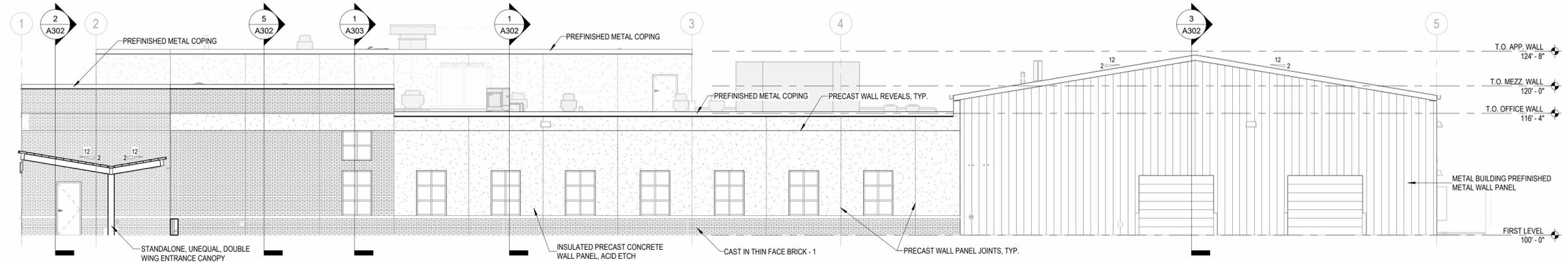
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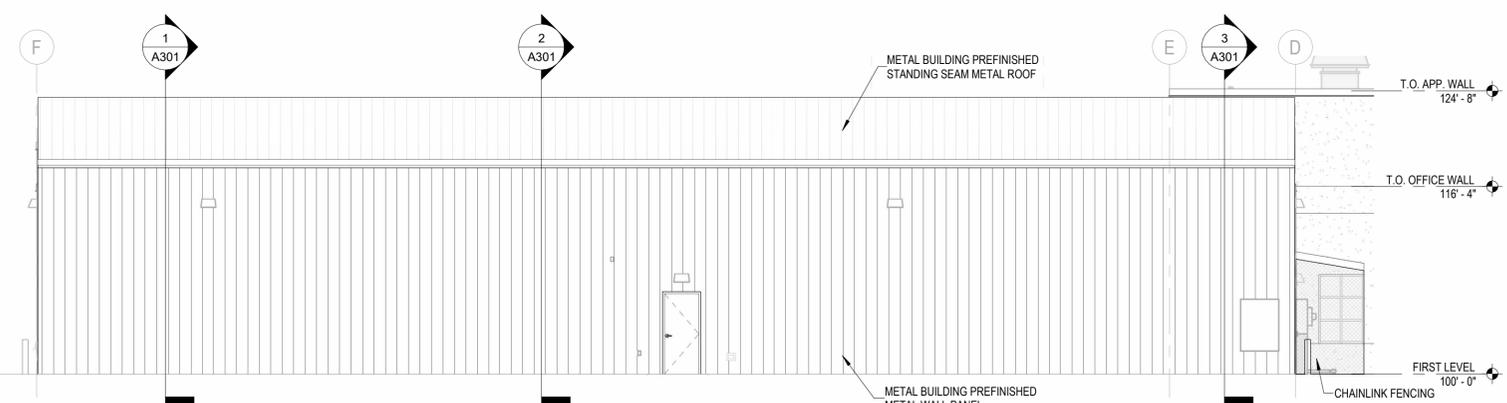
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REV. #	DESCRIPTION	DATE
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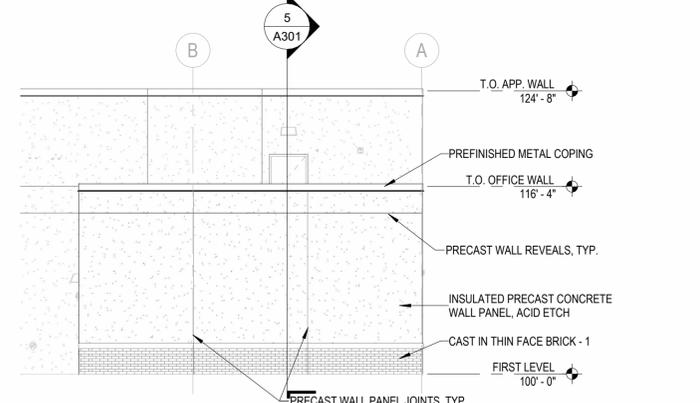
1 EXTERIOR ELEVATION - PARTIAL NORTH
 A202 1/8" = 1'-0"



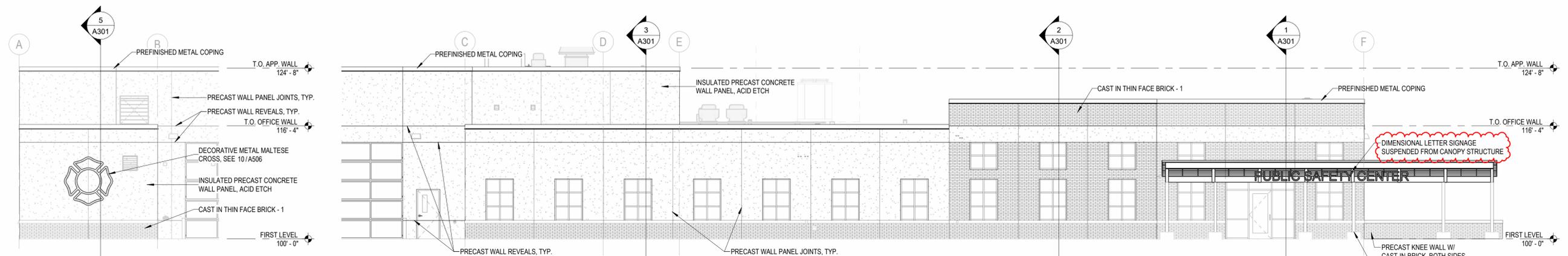
3 EXTERIOR ELEVATION - SOUTH
 A202 1/8" = 1'-0"



2 EXTERIOR ELEVATION - PARTIAL EAST
 A202 1/8" = 1'-0"



7 EXTERIOR ELEVATION - PARTIAL EAST
 A202 1/8" = 1'-0"



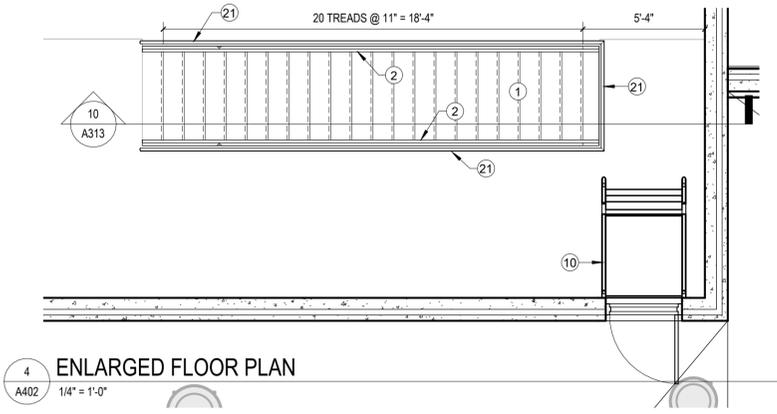
6 EXTERIOR ELEVATION - PARTIAL WEST
 A202 1/8" = 1'-0"

4 EXTERIOR ELEVATION - PARTIAL WEST
 A202 1/8" = 1'-0"

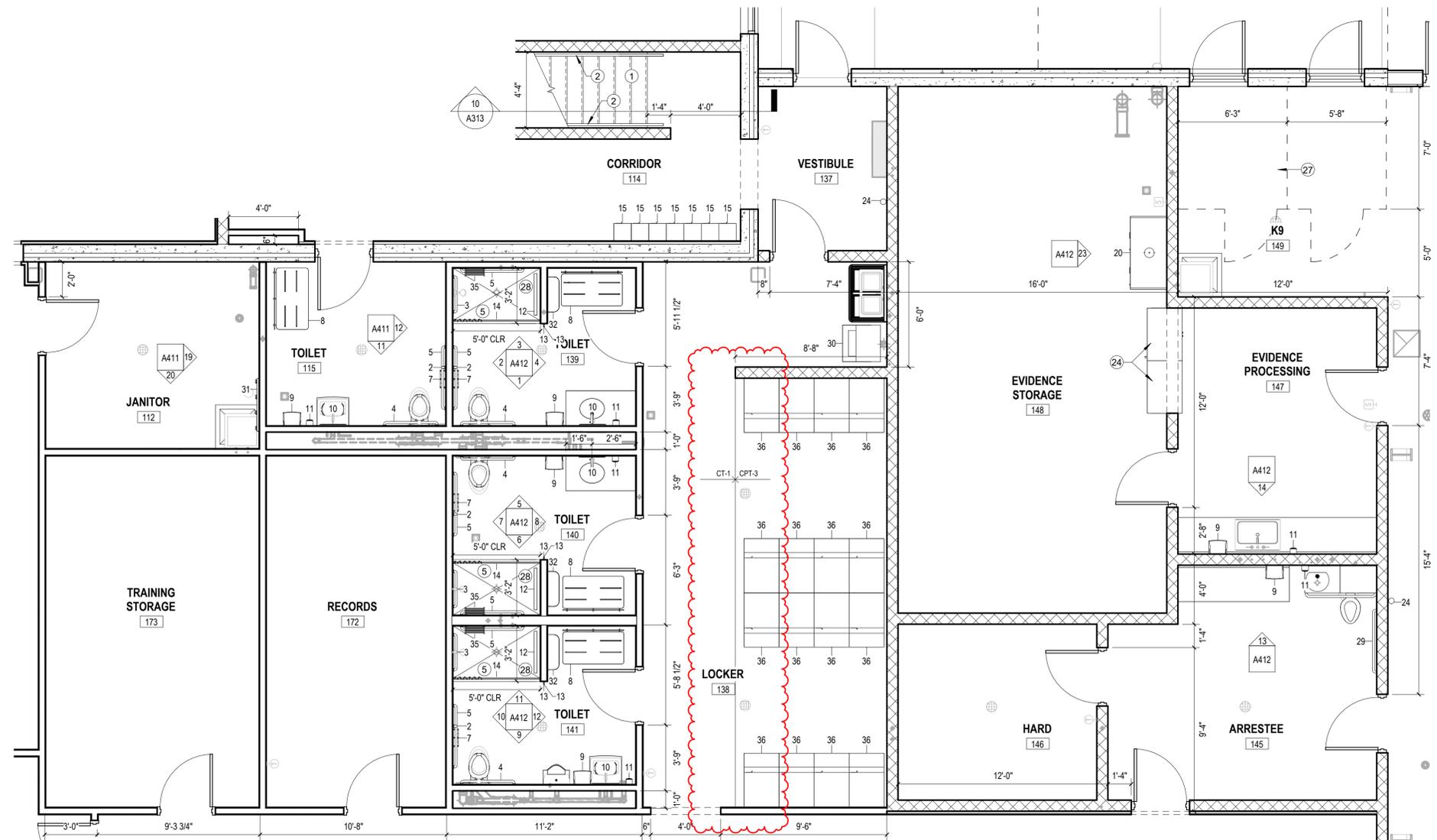
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CONSTRUCTION KEYNOTE LEGEND	
1	CONCRETE FILLED METAL PAN STAIR
2	STEEL PIPE HANDRAIL, MOUNTED TO WALL
3	STEEL PIPE HANDRAIL, MOUNTED TO GUARDRAIL
4	LOCKER CORNER CONDITIONS TO HAVE FILLER CAP, TYP.
5	TILE SHOWER, SEE 9/A506 FOR THRESHOLD DETAIL
6	SOLID SURFACE COUNTERTOP W/ 4 GROMMETS, VERIFY GROMMET LOCATIONS W/ OWNER
7	PROVIDE BLOCKING IN THIS WALL, 4 STUD CAVITIES W/ (2) 8" TALL BLOCKS EACH. VERIFY LOCATIONS W/ OWNER
8	RADIANT IN-FLOOR HEAT MANIFOLD COVER, SEE 7/A503
9	FILL CMU CORES W/ SAND, FULL HEIGHT OF WALL
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11	ROOF HATCH, LOCATE BETWEEN STEEL JOISTS
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17	HOSE DRYER - N.I.C.
18	FURNITURE - N.I.C.
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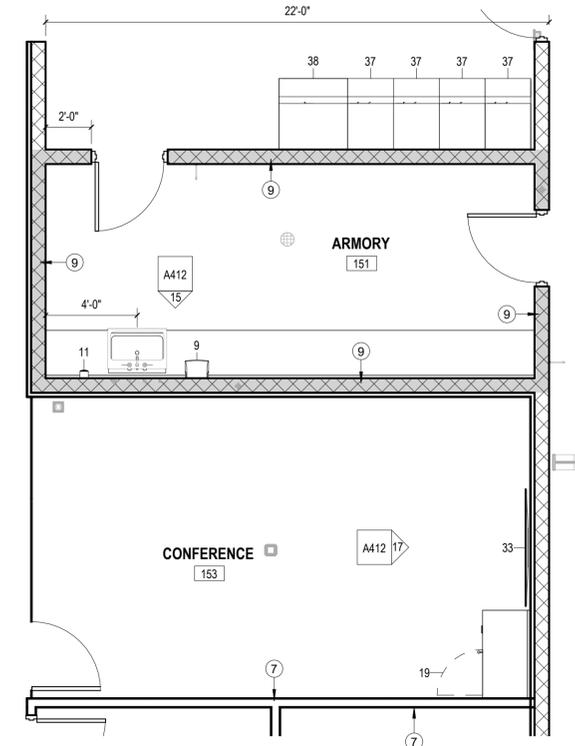
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38	METAL WEAPONS LOCKER (36" WIDE)
39	DUMPSTER ENCLOSURE



4 ENLARGED FLOOR PLAN
A402 1/4" = 1'-0"



1 ENLARGED FLOOR PLAN
A402 1/4" = 1'-0"



2 ENLARGED FLOOR PLAN
A402 1/4" = 1'-0"

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SPECIALTIES SCHEDULE	
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39	DUMPSTER ENCLOSURE

Project Owner

CITY OF PRAIRIE DU CHIEN
PUBLIC SAFETY FACILITY
705 EAST TAYLOR STREET
PRAIRIE DU CHIEN, WI

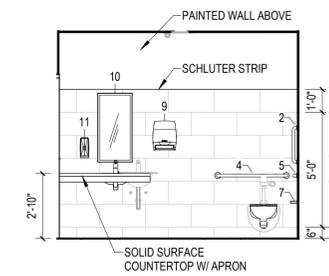
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PCDAR 177829 Checked By Drawn By

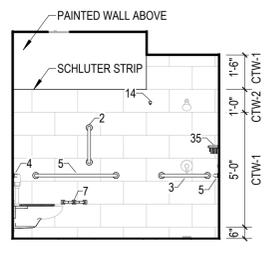
Project Status FOR CONSTRUCTION Issue Date 1/26/2026

REVISION SCHEDULE		
REV. #	DESCRIPTION	DATE
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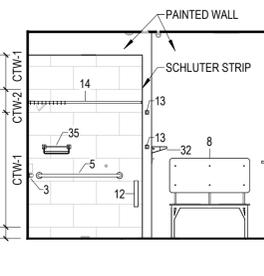
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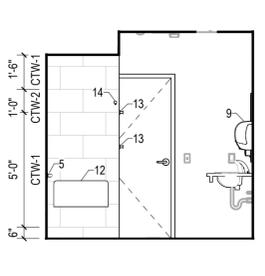
1 TOILET
A412 1/4" = 1'-0"



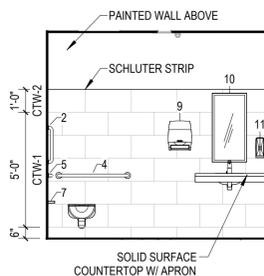
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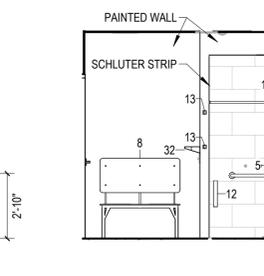
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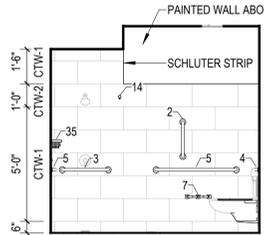
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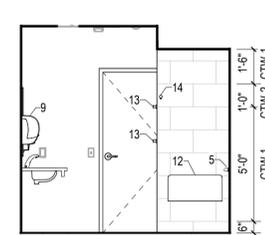
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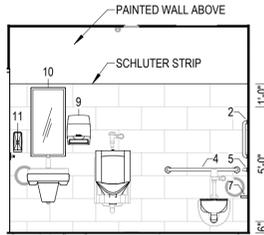
6 TOILET
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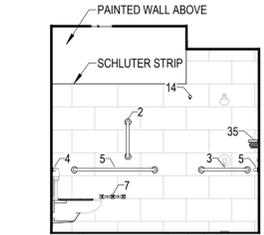
7 TOILET
A412 1/4" = 1'-0"



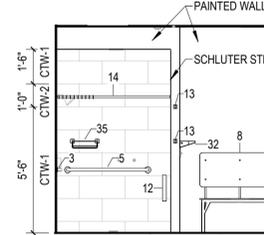
8 Elevation 4 - b
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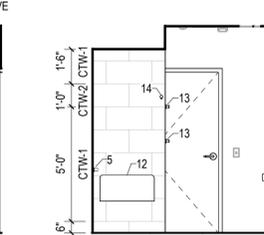
9 TOILET
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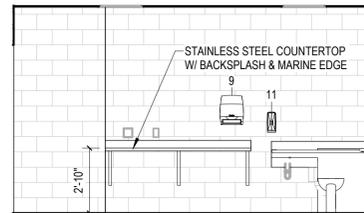
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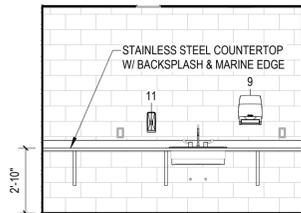
11 TOILET
A412 1/4" = 1'-0"



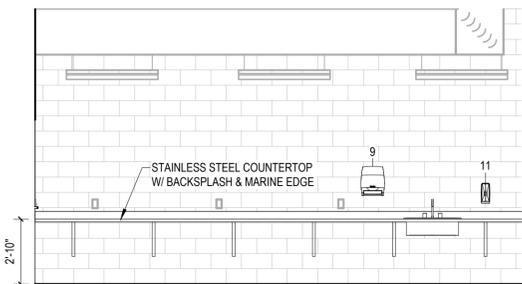
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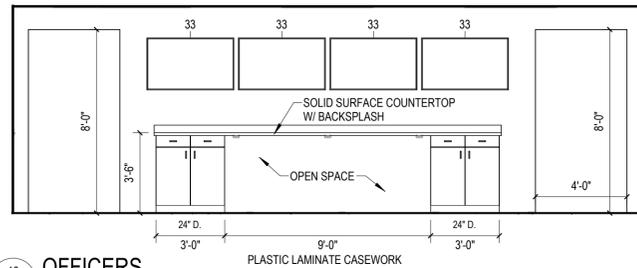
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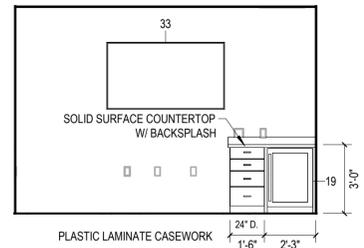
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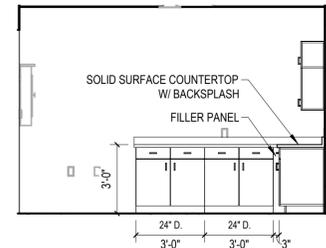
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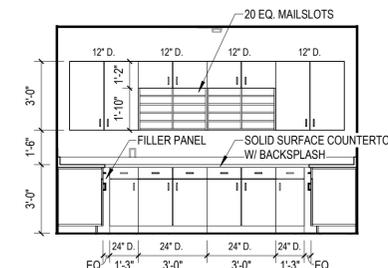
16 OFFICERS
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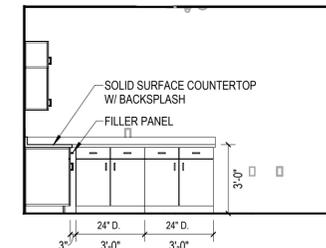
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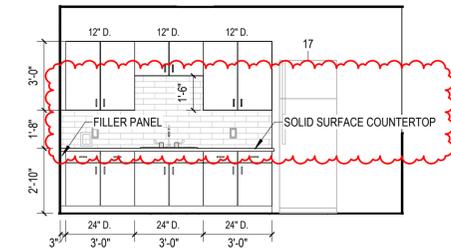
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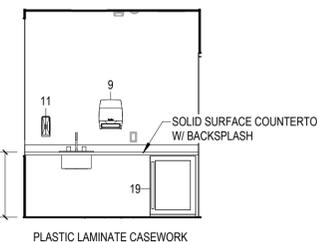
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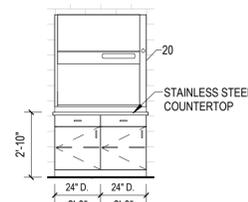
20 COPY
A412 1/4" = 1'-0"



21 BREAK
A412 1/4" = 1'-0"



22 NMR
A412 1/4" = 1'-0"



23 EVIDENCE STORAGE
A412 1/4" = 1'-0"

CONSTRUCTION KEYNOTE LEGEND	
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2	STEEL PIPE HANDRAIL, MOUNTED TO WALL
3	STEEL PIPE HANDRAIL, MOUNTED TO GUARDRAIL
4	LOCKER CORNER CONDITIONS TO HAVE FILLER CAP, TYP.
5	TILE SHOWER, SEE 9/A506 FOR THRESHOLD DETAIL
6	SOLID SURFACE COUNTERTOP W/ 4 GROMMETS, VERIFY GROMMET LOCATIONS W/ OWNER
7	PROVIDE BLOCKING IN THIS WALL, 4 STUD CAVITIES W/ (2) 8" TALL BLOCKS EACH, VERIFY LOCATIONS W/ OWNER
8	RADIANT IN-FLOOR HEAT MANIFOLD COVER, SEE 7/A503
9	FILL CMU CORES W/ SAND, FULL HEIGHT OF WALL
10	WALL MOUNTED STEEL SHIPS LADDER, SEE 1/A503
11	ROOF HATCH, LOCATE BETWEEN STEEL JOISTS
12	REMOVABLE RAILING, SEE 4/A503 FOR DETAIL
13	PRESSED CONCRETE ROOF PAVERS
14	METAL COAT ROD MOUNTED AT 5'-0" A.F.F., FULL WIDTH
15	ROOF WALKWAY PADS, TYPICAL
16	HOSE WASHER - N.I.C.
17	HOSE DRYER - N.I.C.
18	FURNITURE - N.I.C.
19	PIPE BOLLARD, SEE STRUCTURAL FOR DETAIL
20	MOBILE HOSE STORAGE RACK - N.I.C.
21	STEEL PIPE GUARDRAIL, SEE 5/A503
22	48" HIGH MIRROR ALONG ENTIRE WALL MOUNTED @ 36" A.F.F.
23	DECORATIVE METAL MALTESE CROSS, SEE 10/A506
24	EVIDENCE LOCKER, BASIS OF DESIGN: SPACESAVER CORP., (1) LOCKER STANDARD CONFIGURATION 33 W/ MAIL SLOT, (1) LOCKER STANDARD CONFIGURATION 15 W/ REFRIGERATOR BOTTOM UNIT
25	TRANSACTION WINDOW, SEE 18/A504
26	EQUIPMENT PAD, SEE STRUCTURAL FOR DETAILS
27	CHAIN LINK FENCING
28	INSTALL GRAB BARS IN SHOWERS WITH TOP OF GRIPPING SURFACE AT 34" A.F.F.
29	PROVIDE 24"x48" SECURE ACCESS PANEL IN THIS ROOM
30	HALF HEIGHT WALL, SEE 8/A504
31	STAINLESS STEEL COUNTERTOP W/ BACKSPLASH & MARINE EDGE
32	WALL MOUNTED TRANSLUCENT FIBERGLASS CANOPY, SEE 4/A502
33	STANDALONE TRANSLUCENT FIBERGLASS CANOPY

THIS BAR IS INTENDED TO BE 1" PRINTED AT FULL SCALE

3/6/2026 2:52:00 PM



Project Owner

CITY OF PRAIRIE DU CHIEN
PUBLIC SAFETY FACILITY
705 EAST TAYLOR STREET
PRAIRIE DU CHIEN, WI

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Project Status FOR CONSTRUCTION Issue Date 1/26/2026

REV. #	DESCRIPTION	DATE
1	ADDENIUM 2	3-6-2026

ROOM FINISH SCHEDULE

A611

ROOM FINISH LEGEND

CARPET	CERAMIC TILE	RUBBER
CPT-1: INTERFACE STEP REPEAT SR799, 24x24 KHAKI 104915, QUARTER-TURN INSTALL	CT-1: DALTILE PORTFOLIO, 12x24 NOCE PF11 INSTALL ASHLAR	RB-1: ECOSURFACES ECO FIT 812 MOONROCK, 48" WIDE ROLL
CPT-2: J&J FLOORING DOWNTOWN, 24x24	CT-2: DALTILE PORTFOLIO, 2x2 MOSAIC NOCE PF11	PAINT PT-1: SHERWIN-WILLIAMS SW7043 WORLDLY GRAY
CPT-3: J&J FLOORING DOWNTOWN, 24x24	CT-3: DALTILE PORTFOLIO, 12x24 CHOCOLATE PF08 INSTALL ASHLAR	PT-2: SHERWIN-WILLIAMS SW9171 FELTED WOOL
CPT-4: INTERFACE WOVEN WORLD WW865, 25CMx1M CUSTOM COLOR, ASHLAR INSTALL	CT-4: DALTILE PORTFOLIO, 2x2 MOSAIC CHOCOLATE PF08	PT-3: SHERWIN-WILLIAMS SW7047 PORPOISE, DOOR FRAME & METAL DOORS
CPT-5: INTERFACE WOVEN WORLD WW865, 25CMx1M 103205 DUSK WARP, ASHLAR INSTALL	CT-5: DALTILE REKINDLE, 12x24 LIGHT GREY RK12 INSTALL STAGGERED	PT-4: SHERWIN-WILLIAMS SW9185 MAREA BAJA
CPT-6: INTERFACE WOVEN WORLD WW865, 25CMx1M 103215 TUNDRA WEAVE, ASHLAR INSTALL	CTW-1: DALTILE PORTFOLIO, 12x24 NOCE PF11 ASHLAR INSTALL	PT-5: SHERWIN-WILLIAMS SW6594 POINSETTIA
CPT-7: INTERFACE WOVEN WORLD WW865, 25CMx1M CUSTOM COLOR, ASHLAR INSTALL	CTW-2: DALTILE PORTFOLIO, LINEAR MOSAIC NOCE PF11 ASHLAR INSTALL	SOLID SURFACE SS-1: WILSONART COASTAL Q4036
LUXURY VINYL PLANK LVP-1: INTERFACE NORTHERN GRAIN A026 A02607 DARK WASH, ASHLAR INSTALL	CTW-3: DALTILE PORTFOLIO, 12x24 NOCE PF11 ASHLAR INSTALL	SS-2: WILSONART DUSK ICE 9203CE WINDOW SILLS
RESINOUS FLOORING EPOX1: STONHARD STONCLAD / STONKOTE COLOR: TBD	CTW-4: DALTILE PORTFOLIO, 6x24 CHOCOLATE PF08 ASHLAR INSTALL	CONCRETE CONC-1: SEALED CONCRETE
PLASTIC LAMINATE PL-1: WILSONART PEWTER MESH 4879-38, FINE VELVET FINISH BASE / UPPER CABINETS ROOMS 110, 170, 152	CTW-5: DALTILE PORTFOLIO, 12x24 CHOCOLATE PF08 ASHLAR INSTALL	WOOD DOORS WD-1: VT INDUSTRIES SELECT WHITE BIRCH RIVERSTONE R118
PL-2: WILSONART STUDIO TEAK 7960K-18 ROOM 166	CTW-6: DALTILE (75% OF WALL TILE) MESMERIST, 3x12 SPIRIT MM30, GLOSSY ASHLAR INSTALL	WALL GRAPHIC WG-1: POTENTIAL VINYL WALL GRAPHIC (N.I.C.) PREP WALL WITH LEVEL 5 FINISH AND PAINT
VINYL BASE VB-1: JOHNSONITE 29 MOONROCK	CTB-1: DALTILE PORTFOLIO, 6x24 NOCE PF11 SCHLUTER STRIP TOP ON NON-TILE WALLS	
GROUT G-1: TO MATCH CUSTOM BUILDING PRODUCTS 59 SADDLE	CTB-2: DALTILE PORTFOLIO, 6x24 CHOCOLATE PF08 SCHLUTER STRIP TOP ON NON-TILE WALLS	
G-2: TO MATCH CUSTOM BUILDING PRODUCTS 541 WALNUT	CTB-3: DALTILE REKINDLE, 6x24 LIGHT GREY RK12 SCHLUTER STRIP TOP ON NON-TILE WALLS	
G-3: TO MATCH CUSTOM BUILDING PRODUCTS 183 CHATEAU		
G-4: TO MATCH CUSTOM BUILDING PRODUCTS 545 BLEACHED WOOD		
G-5: TO MATCH CUSTOM BUILDING PRODUCTS 185 NEW TAUPE		

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALL FINISH				CEILING		REMARKS
				NORTH	SOUTH	EAST	WEST	FINISH	MATERIAL	
101	LOBBY	CPT-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		
102	TOILET	CT-1	CTB-1	PT-1	CTW-1 / CTW-2 / PT-1	PT-1	CTW-1 / CTW-2 / PT-1	ACT-2		G-2 (FLOOR), G-3 (WALL)
103	TOILET	CT-1	CTB-1	PT-1	CTW-1 / CTW-2 / PT-1	PT-1	CTW-1 / CTW-2 / PT-1	ACT-2		G-2 (FLOOR), G-3 (WALL)
104	TRAINING	CPT-2	VB-1	PT-1 / WG-1	PT-1	PT-1	PT-1	ACT-1		
105	KITCHEN	CT-5	CTB-3	CTW-5 / CTW-6 / PT-1	PT-1	PT-1	PT-1	ACT-2		G-5 (FLOOR), G-4 (WALL)
106	CORRIDOR	CONC-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		
107	RECEPTION	CONC-1	VB-1	PT-1	PT-1	PT-2	PT-1	ACT-1		
108	PUB. ED.	CONC-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		
109	CORRIDOR	CONC-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		
110	DINING	CONC-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		
111	DAYROOM	CONC-1	VB-1	PT-5	PT-1	PT-1	PT-1	ACT-1		
112	JANITOR	CONC-1	CTB-1	PT-1	CTW-1 / PT-1	CTW-1 / PT-1	PT-1	ACT-2		
113	CORRIDOR	CONC-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		
114	CORRIDOR	CONC-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		
115	TOILET	CT-1	CTB-1	PT-1	CTW-1 / CTW-2 / PT-1	CTW-1 / CTW-2 / PT-1	PT-1	ACT-2		G-2 (FLOOR), G-3 (WALL)
116	EXERCISE	RB-1	VB-1	PT-1	PT-1	PT-1	WG-2	PT		
117	LOCKER	CT-1	CTB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		G-2 (FLOOR), G-3 (WALL)
118	TOILET	CT-1	CTB-1	CTW-1 / CTW-2 / PT-1	PT-1	PT-1	CTW-1 / CTW-2 / PT-1	ACT-2		G-2 (FLOOR), G-3 (WALL)
119	TOILET	CT-1	CTB-1	CTW-1 / CTW-2 / PT-1	PT-1	CTW-1 / CTW-2 / PT-1	PT-1	ACT-2		G-2 (FLOOR), G-3 (WALL)
120	STORAGE	CONC-1	VB-1	PT-1	PT-1	PT-1	PT-1	PT-2		
121	CORRIDOR	CONC-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		
122	CONFERENCE	CPT-7	VB-1	PT-1	PT-5	PT-1	PT-1	ACT-1		
123	LINE OFFICER	CPT-4	VB-1	PT-1	PT-5	PT-1	PT-1	ACT-1		
124	FD CHIEF	CONC-1	VB-1	PT-1	PT-5	PT-1	PT-1	ACT-1		
125	INSPECTOR	CONC-1	VB-1	PT-1	PT-5	PT-1	PT-1	ACT-1		
126	ALARM	CONC-1	VB-1	PT-1	PT-1	PT-1	PT-1	PT		
127	APPARATUS BAYS	EPOX1	EPOX1	PT-2	PT-2	PT-2	PT-2	PT		
128	SHOP	CONC-1	VB-1	PT-2	PT-2	PT-2	PT-2	PT		
129	SCBA	CONC-1	VB-1	PT-2	PT-2	PT-2	PT-2	PT		
130	CORRIDOR	EPOX1	EPOX1	PT-2	PT-2	PT-2	PT-2	PT		
131	DECON LOCKER	EPOX1	EPOX1	PT-1	PT-1	PT-1	PT-1	PT		
132	DECON	CT-3 / CT-4	CTB-2	CTW-3 / CTW-4 / PT-1	PT-1	PT-1	CTW-3 / CTW-4 / PT-1	PT		G-1 (FLOOR & WALLS)
133	DECON	CT-3 / CT-4	CTB-2	PT-1	CTW-3 / CTW-4 / PT-1	PT-1	CTW-3 / CTW-4 / PT-1	PT		G-1 (FLOOR & WALLS)
134	TURNOUT GEAR	EPOX1	EPOX1	PT-2	PT-2	PT-2	PT-2	PT		
135	LAUNDRY	EPOX1	EPOX1	PT-2	PT-2	PT-2	PT-2	PT		
136	HOSE	EPOX1	EPOX1	PT-2	PT-2	PT-2	PT-2	PT		
137	VESTIBULE	CONC-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		
138	LOCKER	CT-1 / CT-2	CTB-1 / VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		G-2 (FLOOR)
139	TOILET	CT-1 / CT-2	CTB-1	PT-1	CTW-1 / CTW-2 / PT-1	PT-1	CTW-1 / CTW-2 / PT-1	ACT-2 / CT-2		G-2 (FLOOR), G-3 (WALL)
140	TOILET	CT-1 / CT-2	CTB-1	CTW-1 / CTW-2 / PT-1	PT-1	PT-1	CTW-1 / CTW-2 / PT-1	ACT-2 / CT-2		G-2 (FLOOR), G-3 (WALL)
141	TOILET	CT-1 / CT-2	CTB-1	PT-1	CTW-1 / CTW-2 / PT-1	PT-1	CTW-1 / CTW-2 / PT-1	ACT-2 / CT-2		G-2 (FLOOR), G-3 (WALL)
142	CORRIDOR	CONC-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		
143	GEAR	CONC-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		
144	PD GARAGE	EPOX1	EPOX1	PT-2	PT-2	PT-2	PT-2	PT		
145	ARRESTEE	CONC-1	VB-1	PT-2	PT-2	PT-2	PT-2	ACT-3		
146	HARD	CONC-1	VB-1	PT-2	PT-2	PT-2	PT-2	ACT-3		
147	EVIDENCE PROCESSING	CONC-1	VB-1	PT-2	PT-2	PT-2	PT-2	ACT-3		
148	EVIDENCE STORAGE	CONC-1	VB-1	PT-2	PT-2	PT-2	PT-2	PT		
149	K9	EPOX1	EPOX1	PT-2	PT-2	PT-2	PT-2	PT		
150	EVIDENCE STORAGE	EPOX1	EPOX1	PT-2	PT-2	PT-2	PT-2	PT		
151	ARMORY	CONC-1	VB-1	PT-2	PT-2	PT-2	PT-2	PT		
152	OFFICERS	CPT-5 / LVP-1	VB-1	PT-1	PT-1	PT-1	PT-1 / WG-3	ACT-1		
153	CONFERENCE	CPT-6	VB-1	PT-4	PT-1	PT-1	PT-1	ACT-1		
154	REPORT	CPT-5	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		
155	CORRIDOR	LVP-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		
156	CHIEF CONF.	CPT-6	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		
157	CHIEF	CPT-5	VB-1	PT-1	PT-1	PT-1	PT-4	ACT-1		
158	LIEUTENANT	CPT-5	VB-1	PT-1	PT-1	PT-1	PT-4	ACT-1		
159	LIEUTENANT	CPT-5	VB-1	PT-1	PT-1	PT-4	PT-1	ACT-1		
160	CLOSET	LVP-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		
161	CORRIDOR	LVP-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		
162	CLOSET	LVP-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		
163	LIEUTENANT	CPT-5	VB-1	PT-1	PT-1	PT-1	PT-4	ACT-1		
164	SRO/FTO	CPT-5	VB-1	PT-1	PT-1	PT-1	PT-4	ACT-1		
165	DETECTIVE	CPT-5	VB-1	PT-1	PT-1	PT-4	PT-1	ACT-1		
166	NMR	CPT-3	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		
167	FAMILY	CPT-6	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		
168	MIRANDA	CPT-3	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		
169	IT	CONC-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		
170	COPY	LVP-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		
171	BREAK	LVP-1	VB-1	PT-4	PT-1	PT-1	PT-1 / CTW-5 / CTW-6	ACT-1		G-4 (WALL)
172	RECORDS	CONC-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		
173	TRAINING STORAGE	CONC-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		
174	SUPPLY	CONC-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1		
201	MEZZANINE	CONC-1	VB-1	PT-2	PT-2	PT-2	PT-2	PT		
202	BOILER	CONC-1	VB-1	PT-2	PT-2	PT-2	PT-2	PT		
203	MEZZANINE	CONC-1	VB-1	PT-2	PT-2	PT-2	PT-2	PT		
204	IT	CONC-1	VB-1	PT-2	PT-2	PT-2	PT-2	PT		
205	TRAINING ROOF	ROOF PAVER	---	---	---	---	---	---		

THIS BAR IS INTENDED TO BE 1" PRINTED AT FULL SCALE