RQAW | DCCM

ADDENDUM NO. 3

Job Name:	Knox County Emergency Operations
Project Number:	24-700-155-1
Date of Addendum:	**6/23/2025**

_____

Licensed Architect
State of Indiana Registration No. Click or tap here to enter text.

THIS ADDENDUM FORMS A PART OF THE CONTRACT DOCUMENTS AND IS ISSUED IN ACCORDANCE WITH THE INSTRUCTIONS TO BIDDERS. ACKNOWLEDGE RECEIPT OF THIS ADDENDUM BY SIGNING THE ADDENDUM ACKNOWLEDGEMENT SECTION OF YOUR PROPOSAL.

General Info:

- The Owner will not be accepting electronically submitted Bids.
- Anticipated project schedule:
  - Start date – 08/01/25
  - Final completion date – 08/01/26
- Drawing C400, Item #9 references an allowance to replace the existing sewer pump and wet wall. This item is NOT to be part of the $100,000 general allowance.
- Contractors may use a PEX / copper hybrid system. Mech. Room piping and mains still required in copper.
- Drawing C500, note 6 calls out "straight concrete curb". It points to the curb and makes it appear it is a new curb and gutter. Curb style should be straight.
- Drawing C500, note 16 references a concrete pad for an antenna and says antenna by others. Antenna concrete pads are a part of this project. Refer to detail 20 on C700 for pad depth and reinforcement and C500 for size of the pad.
- Drawing C500, note 20 references equipment concrete pads. Refer to detail 7 on C701 added with addendum #3 for concrete support pad detail.
- HVAC is utilizing a plenum return. Cast iron is required for HVAC plenum return.
- Project intent is to provide a horn / strobe system as shown on the drawings.

Specs:

1. Section 00 11 16 – Invitation to Bid
    a. Updated bid opening time to 11:00am
    b. Updated location for early Bid submission
2. Section 08 33 13 - Rolling Counter Doors with Integral Frame / Coiling Counter Shutters with Integral Frame
    a. Spec section added
3. Section 10 21 13 – Solid Phenolic Toilet Partitions
    a. Added Scranton Products and Bobrick Washroom Equipment as approved manufacturers
4. Section 10 22 33 – Accordion Folding Partitions
    a. Spec section added
5. Section 26 27 26 – Wiring Devices
    a. Revised spec section attached.

Drawings:

1. **Revise** Sheet G-100
    a. Code Summary updated
    b. Walls and doors surrounding Dispatch 123 and Training Room 136 are 2-HR

2. **Revise** Sheet C500
    c. Revised drawing scale.

3. **Revise** Sheet C701
    d. Drawing updated

4. **Revise** Sheet AF101
    e. Plan Note 21 has been revised to include door dimensions.

5. **Revise** Sheet A-600
    f. Doors 123A, 123B, 136A, 136B, 136C, & 136D are 2-HR

6. **Revise** Sheets: E210, E600, E802
    a. Replace above listed drawings in their entirety with attached modified drawings.

END OF ADDENDUM 3

DOCUMENT 00 11 16

INVITATION TO BID

NOTICE is hereby given that sealed bids will be received as follows:

BY: Knox County Board of Commissioners

FOR: Knox County Emergency Operations Center
2830 E. Arc Ave.
Vincennes, IN 47591

Bids will be opened and publicly read aloud at:

- **Knox County Jail**
- **2375 S. Old Decker Road**
- **Vincennes, IN 47591**

At the following day and time: **June 30, 2025 at 11:00 AM (local time).**

Bids should be delivered to the following location prior to 09:00 AM on the date of the bid:

- **Knox County Auditor**
- **111 N 7th St #5**
- **Vincennes, IN 47591**

Bids received after the date and time set for receipt and opening of bids as herein indicated will be returned unopened.

Bids will be received for a single prime contract.

Bids shall be in full accordance with the Construction Documents which are now on file with the Owner or with the Architect and may be examined by prospective Bidders at the following location:

RQAW\DCCM
8770 North Street Ste. 110
Fishers, IN 47374
Phone: 317-588-1798
Fax: 317-588-1799

Knox County Auditor
111 N 7th St #5
Vincennes, IN 47591

Bidders may obtain complete sets of Construction Documents from:

Eastern Engineering
9901 Allisonville Road
Fishers, IN 46038

p: 317.598.0661
f: 317.598.0630
Plan Room: https://distribution.easternengineering.com/view/Login.aspx

DOCUMENT AVAILABILITY: Documents will be available on a non-refundable basis. See printers website for additional details.

Individual sheets of Drawings or Specifications may be purchased for the costs listed on the plan room website.

Bids shall include BID SECURITY in the form of a Bid Bond or certified check in the amount of a sum no less than 10 percent of the Bid Sum including all add alternates.

Refer to other bidding requirements described in Document 00 21 14 - Instructions to Bidders and Document 00 31 00 - Information Available to Bidders.

BIDDERS are urged to attend a pre-bid conference with representatives of the Owner and Architect to discuss the projects and related requirements. Prebid conference will convene at **09:00 AM local time, on June 16, 2025 at The Knox County Jail, 2375 S Old Decker Rd., Vincennes, IN 47591.** There will be a tour of the project area immediately after the pre-bid conference.

The Owner reserves the right to accept or reject any or all bids and to waive any irregularities in bidding. Base bids may be held for the following period before award of Contract: Thirty (30) Days.

Should a successful Bidder withdraw his bid or fail to satisfactorily execute all the requirements and enter into a written Contract within ten (10) days after Notice of Acceptance of his bid, the Owner may declare the Bid Security forfeited, not as a penalty, but as liquidated damages.

The successful Bidder shall furnish a Performance Bond and Payment Bond from an approved surety company, which will remain in full force and effect for a period of one (1) year after date of final acceptance of work. Performance Bond and Payment Bond shall be in an amount equal to the following percentage of the Contract Sum: One hundred percent (100%).

END OF DOCUMENT

SECTION 08 33 00
Rolling Counter Doors with Integral Frame /
Coiling Counter Shutters with Integral Frame

PART 1 GENERAL

1.1 SUMMARY

A. **Section Includes:**
1. Manual rolling counter doors with integral frame and countertop, built-in type
1. Manual rolling counter doors with integral frame and countertop, slip-in type

B. **Related Sections:**
1. 05 50 00 Metal Fabrications. Door opening jamb and head members.
2. 06 10 00 Rough Carpentry. Door opening jamb and head members.
3. 08 31 00 Access Doors and Panels. Access doors.
4. 08 70 00 Hardware. Padlocks. Masterkeyed cylinder.
5. 09 91 00 Painting. Field painting.

1.2 SUBMITTALS

A. **Reference Section 01 33 00 Submittal Procedures; submit the following items:**
1. **Product Data**
2. **Shop Drawings:** Include special conditions not detailed in Product Data. Show interface with adjacent work.
3. **Quality Assurance/Control Submittals:**
   a. Provide proof of manufacturer ISO 9001:2015 registration
   b. Provide proof of manufacturer and installer qualifications - see 1.3 below
   c. Provide manufacturer's installation instructions
4. **Closeout Submittals:**
   a. Operation and Maintenance Manual
   b. Certificate stating that installed materials comply with this specification

1.3 QUALITY ASSURANCE

A. **Qualifications:**
1. **Manufacturer Qualifications:** ISO 9001:2015 registered and a minimum of five years experience in producing counter doors with integral frame assembly of the type specified
2. **Installer Qualifications:** Manufacturer's approval

1.4 DELIVERY STORAGE AND HANDLING

A. Reference Section 01 66 00 Product Storage and Handling Requirements
B. Follow manufacturer's instructions

1.5 WARRANTY

A. **Standard Warranty:** Two years from date of shipment against defects in material and workmanship
B. **Maintenance:** Submit for owner’s consideration and acceptance of a maintenance service agreement for installed products

PART 2 PRODUCTS

2.1 MANUFACTURER

A. **Manufacturer:**
1. **Cornell:** 24 Elmwood Avenue, Mountain Top, PA 18707.
   Telephone: (800) 233-8366.
   a. **Model:** ESC20

2. **Cookson**
3. **Clopay Building Products**

Substitutions: Not permitted

2.2 FABRICATION

A. Factory weld head, and jambs and countertop into single unit, fully assembled, ready for installation

2.3 MATERIALS

A. **Curtain:**
1. **Slat Configuration:**
a. **Galvanized Steel with Finish as Described Below**: No. 1F, interlocked flat-faced slats, 1-1/2 inches (38 mm) high by 1/2 inch (13 mm) deep, 22 gauge ASTM A 653, Commercial Quality, galvanized steel with powder coated steel angle bottom bar with continuous lift handle and vinyl astragal
a. **Stainless Steel:** No. 1F, interlocked flat-faced slats, 1-1/2 inches (38 mm) high by 1/2 inch (13 mm) deep, 22 gauge AISI type 304 #4 finish stainless steel with stainless steel angle bottom bar with lift handles and vinyl astragal
a. **Perforated Slats (Steel):** No. 1P ScreenGard interlocked flat-faced, perforated slats, 1-1/2 inches (38 mm) high by 1/2 inch (13 mm) deep, 22 gauge ASTM A 653, Commercial Quality, galvanized steel perforated with 0.062 inch (1.6 mm) diameter openings at 0.094 inch (2.4 mm) staggered centers, approximately 22 percent free area with extruded aluminum tubular bottom bar, continuous lift handle and vinyl astragal

2. **Finish:**
a. **GalvaNex™ Coating System (Stock Colors):**
1) ASTM A 653 galvanized base coating treated with dual process rinsing agents in preparation for chemical bonding baked-on base coat and [gray] baked-on polyester enamel finish coat
b. **Stainless Steel:** type 304 #4 finish

B. **Endlocks:**
Fabricate interlocking slat sections with high strength molded nylon endlocks riveted to ends of alternate slats

C. **Head and Jamb Frame:**
Integral welded with guide groove incorporated into jamb design. Build to fit 12” wall thickness
1. **Fabrication:**
a. **Stainless Steel:** 16 gauge AISI 300 series formed shapes
2. **Finish:**
a. **Stainless steel:** type 304 #4 finish

D. **Countertop:**
1. **Stainless Steel:** Integral 16 gauge AISI 300 series stainless steel formed shape; type 304 #4 finish

E. **Counterbalance Shaft Assembly:**
1. **Barrel:** Steel pipe capable of supporting curtain load with maximum deflection of 0.03 inches per foot (2.5 mm per meter) of width
2. **Spring Balance:** Oil-tempered, heat-treated steel helical torsion spring assembly designed for proper balance of door to ensure that maximum effort to operate will not exceed 25 lbs (110 N). Provide wheel for applying and adjusting spring torque

F. **Brackets:**
Fabricate from reinforced [steel] plate with bearings at rotating support points to support counterbalance shaft assembly and form end closures for hood
1. **Finish:**
a. **Stainless Steel:** type 304 #4 finish

G. **Hood and Fascia:**

[16 gauge steel] with reinforced top and bottom edges.

1. **Finish:**
    a. **Stainless Steel:** type 304 #4 finish

2.4 OPERATION

A. **Manual Push-Up:** Provide lift handles on bottom bar and pole with hook

B. **Manual Crank Hoist:** Provide crank hoist operator including crank gear box, steel crank drive shaft and geared reduction unit. Fabricate gear box to completely enclose operating mechanism and be oil-tight.

C. **Tube Motor Operator:** rated for a maximum of 10 cycles per day, cULus recognized, rated (50nm) (100nm) or (200nm) as recommended by door manufacturer for size and type of door, 110 Volts, 1 Phase. Provide complete with electric tube motor, maintenance free electric brake, emergency manual crank hoist and control station(s). Motor shall be protected against overload with an auto-reset thermal sensing device. Operator shall be equipped with an emergency manual crank hoist assembly that safely cuts operator power when engaged. A disconnect chain shall not be required to engage or release the manual crank hoist. Operator shall be capable of 10-14 RPM. Fully adjustable, mechanical internal worm limit switch mechanism shall synchronize the operator with the door. The electrical contractor shall mount the control station(s) and supply the appropriate disconnect switch, all conduit and wiring per the overhead door wiring instructions.

2.5 ACCESSORIES

A. **Locking:**

1. **Masterkeyable cylinder lock:** Operable from [coil] side of bottom bar. Provide interlock switches on motor operated units.
    a. **Standard Mortise Cylinder**

PART 3 EXECUTION

3.1 EXAMINATION

A. Examine substrates upon which work will be installed and verify conditions are in accordance with approved shop drawings

B. Coordinate with responsible entity to perform corrective work on unsatisfactory substrates

C. Commencement of work by installer is acceptance of substrate

3.2 INSTALLATION

A. General: Install door unit and operating equipment with necessary hardware, anchors, inserts, hangers and supports

B. Follow manufacturer's installation instructions

3.3 ADJUSTING

A. Following completion of installation, including related work by others, lubricate, test, and adjust doors for ease of operation, free from warp, twist, or distortion

3.4 CLEANING

A. Clean surfaces soiled by work as recommended by manufacturer

B. Remove surplus materials and debris from the site

3.5 DEMONSTRATION

A. Demonstrate proper operation to Owner's Representative

B. Instruct Owner's Representative in maintenance procedures

END OF SECTION

SECTION 10 21 13

SOLID PHENOLIC TOILET PARTITIONS

PART 1 - GENERAL

1.1 Work Included

A. Phenolic Toilet Compartments
B. Phenolic Urinal Screens

1.2 References (including but not limited to)

A. National Fire Protection Association 101 Life Safety Code 1991 Edition. Chapters 5, 6, 8-30.
B. ANSI A117- 1986 Specifications for Making Buildings and Facilities Accessible to and *Usable by Physically Handicapped People.*
C. UBC - Chapters 5 and 33 *Requirements for Handicapped*.
D. Title 24, *California Code of Regulations*. Parts 2, 3, and 5.
E. ADA, Accessibility Guidelines for Buildings and Facilities, Federal Register Volume 56, Number 144, Rules and Regulations.
F. Fair Housing Amendments Act of 1988, *Accessibility Guidelines*, Federal Register Volume 56, Number 44.
G. 2006 International Building Code

1.4 QUALITY ASSURANCE

A. Manufacturers

1. Model numbers for compartments manufactured by the acceptable manufacturers outlined below to establish a standard of quality for design, function, materials, workmanship, and appearance. Other manufacturers may be submitted for evaluation by the designer by following the conditions of the substitutions clause. Unless approval is obtained ten days prior to the bid date, all bids shall be based on the standard of quality. The designer shall be the sole judge as to the acceptability of all products submitted for substitution.
2. Compartments shall be the product(s) of a single manufacturer.

1.5 SUBMITTALS

A. Section 01 33 00 – Submittal Procedures: Submittal procedures.
B. Shop Drawings: Indicate partition plan, elevation views, dimensions, details of wall and floor supports, door swings.
C. Samples: Submit two samples illustrating panel finish, color and sheen.

1.5 PRODUCT DELIVERY, STORAGE, AND HANDLING

A. Deliver items in manufacturer’s original unopened protective packaging.
B. Store materials flat with weight evenly supported in original protective packaging to prevent physical damage, or wetting.
C. Handle so as to prevent damage to finished surfaces.
D. Store in clean dry area. Do not store outside
E. Move material to installation area 72 hours before installation.

1.7 WARRANTY

A. Furnish ten year limited warranty for panels, doors, and stiles against breakage, corrosion, delamination, and defects in factory workmanship.

B. Furnish one year guarantee against defects in material and workmanship for stainless steel door hardware and mounting brackets.

PART 2 - PRODUCTS

2.1 Configurations

A. National Fire Protection Association Class B

1. Toilet Compartments shall be Floor-Anchored/Overhead-Braced with continuous vertical brackets. (Ultimate Privacy 64 – 9" Above Finished Floor – Black Solid Phenolic Core)

2. Urinal Screens (to match Toilet Compartments) shall be Floor-Anchored with continuous vertical brackets.

2.2 Components/Materials

A. Toilet/Urinal Partitions

1. Acceptable Manufacturer's

i. BASIS OF DESIGN (TP-1) : ASI ACCURATE PARTITIONS ASI Accurate Partitions | ASI Accurate Partitions

ii. Other approved by Architect prior to bidding:

1. Scranton Products: www.scrantonproducts.com
2. Bobrick Washroom Equipment ; https://www.bobrick.com/products/toilet-partitions-cubicle-systems/traditional-partitions

iii. Refer to "Interior Finish Legend" on sheet (IN100) for complete specification

B. Stiles, Panels, Doors, Screens, and Benches

1. Doors and pilasters shall be ¾" thick with solid phenolic core and decorative surface sheet on both faces.
2. Panels and Urinal Screens shall be ½" thick with solid phenolic core and decorative surface sheet on both faces.

C. Doors, panels, pilasters and urinal screens shall be fabricated from phenolic material comprised of multiple layers of melamine resin impregnated kraft paper, and a decorative surface sheet on both faces. All layers shall be fused together under high temperature and pressure.

D. Finish

1. All components shall be water-resistant. Rough edges shall be machine sanded with a 45 degree radius edge. 2.05 Color - Shall be selected from ASI Accurate's full range of standard designer colors.

E. Hardware

1. Shall be ASI Accurate, gravity cam-action hinge that permits door to return to a pre-set position when not locked.
2. Hinge, strike/keeper and slide latch shall be brushed finish to resist corrosion and thru-bolted with tamper resistant barrel nuts and shoulder screws.
3. Cam-action hinge shall allow emergency access by lifting the door from the bottom.
4. Hardware of chrome-plated "Zamac" is unacceptable.

F. Mounting Hardware
    1. Cast stainless steel stirrup brackets with brushed finish shall be secured to walls and pilasters with stainless steel tamper resistant fasteners.
    2. Panels shall be thru-bolted with tamper resistant barrel nuts and shoulder screws.

G. Construction Design
    1. Partitions shall be anchored to the floor by a 1-piece, 3" high, stainless steel anchor trim with bottom plate through which concrete anchors are driven into the floor.
    2. Pilaster is leveled with machine screw threaded into an insert in bottom of pilaster and is fastened to anchor trim with tamper resistant stainless fasteners.
    3. Aluminum headrail with anti-grip profile shall provide overhead bracing and span all partitions and brace the end pilaster to the back wall.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Check areas scheduled to receive compartments for correct dimensions, plumbness of walls, and soundness of surfaces that would affect installation of mounting brackets.
B. Verify spacing of plumbing fixtures to assure compatibility with installation of compartments.
C. Do not begin installation of compartments until conditions are satisfactory.

3.2 INSTALLATION

A. Install compartments rigidly, straight, plumb, and level and in accordance with manufacturer's installation instructions.
B. Installation methods shall conform to manufacturer's recommendations for backing and proper support.
C. Conceal evidence of drilling, cutting, and fitting to room finish.
D. Maintain uniform clearance at vertical edge of doors.
E. Doors and panels shall be mounted 9" above the finished floor.

3.3 Warranty

A. ASI Accurate Partitions guarantees its phenolic partitions, properly maintained, against delamination, breakage or corrosion for 25 YEARS from the date of receipt by the customer. If material is found defective during that period, the material shall be replaced free of charge. No credits or allowances shall be issued for any labor or expenses relating to the replacement of components covered under the warranty plan.

3.4 ERECTION TOLERANCES

A. Maximum Variation From Indicated Position: 1/4 inch.
B. Maximum Variation From Plumb: 1/8 inch.

3.5 ADJUSTMENT AND CLEANING

A. Adjust hardware for proper operation after installation.
B. Set hinge cam on in-swinging doors to hold doors open when unlatched.
C. Set hinge cam on out-swinging doors to hold unlatched doors in closed position.

D. Clean exposed surfaces of compartments, hardware, and fittings.

END OF SECTION

SECTION 10 22 33
ACCORDION FOLDING PARTITIONS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Acoustical accordion folding partitions.

1.02 REFERENCE STANDARDS

A. ASTM E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements; 2023.

1.03 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements for submittal procedures.

B. Product Data: For each type, indicate partition, suspension system, framed opening components, hardware, and available colors and finishes.

C. Shop Drawings: Indicate opening sizes, track layout, details of track and required supports, static and dynamic loads, adjacent construction and finish trim, and stacking sizes.

1.04 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum three years documented experience.

1.05 DELIVERY, STORAGE, AND HANDLING

A. See Section 01 74 19 - Construction Waste Management and Disposal for packaging waste requirements.

B. Deliver products to project site in original packaging.

C. Store products under cover and elevated above grade.

1.06 WARRANTY

A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.

B. Manufacturer Warranty: Provide 2-year manufacturer warranty against manufacturing defects. Complete forms in Owner's name and register with manufacturer.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Accordion Folding Partitions:
   1. Kwik-Wall Company; MK Series: www.kwik-wall.com/#sle.
   2. Modernfold, dormakaba Group; _____: www.modernfold.com/#sle.
   3. Corflex Operable Partitions ; https://corflex.ca/en/documentation/?type=movable-partitions
   4. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 ACCORDION FOLDING PARTITIONS, GENERAL

A. Description: Assembly of hinged panels; assembly opens and closes in accordion-folding manner; provides partitioning between two spaces when fully expanded across framed opening.

2.03 ACOUSTICAL ACCORDION FOLDING PARTITIONS

A. Description: Accordion folding partitions with components controlling sound transmission through partition.

B. Configuration: Pair.

C. Opening Size: As indicated on drawings.

D. Operation: Manual.

E. Acoustical Criteria: Partitions tested in accordance with ASTM E90.

1. Panel Width: 4-1/4 inches (108 mm).
2. Panel Facing: Laminate fused to core.
    a. Finish: As selected by Architect from manufacturer's standard selection.
3. Panel Core: Medium-density fiberboard, 1/4 inch (6.4 mm).
4. Sound Seals: Manufacturer's standard sound seals for specified door.
5. Field Sound Transmission Class (FSTC) Minimum Rating: FSTC 33.
6. Product:
    a. Woodfold Manufacturing, Inc; Series 3300 Acoustic Accordion Partition: www.woodfold.com/#sle.
    b. Substitutions: See Section 01 60 00 - Product Requirements.

2.04 SUSPENSION SYSTEMS

2.05 FRAMED OPENING COMPONENTS

A. Fixed Components:

B. Movable Components:

C. Framed Opening Trim:

2.06 PARTITION HARDWARE

A. Panel-to-Panel Hinge Assembly: Manufacturer's standard hinge assembly for specified partition.

B. Securing Devices:
    1. Latching Devices:
        a. Type: Thumb piece with deadlatch.
        b. Finish: Manufacturer's standard for specified partition.

C. Operating Trim:
    1. Type: Manufacturer's standard for specified partition.
    2. Finish: Manufacturer's standard for specified partition.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify existing conditions before starting work.

B. Verify that field measurements are as indicated on drawings.

C. Verify suspension systems are structurally supported as indicated on drawings.

D. Verify suspension system support structure permits track leveled within 1/4 inch (6.4 mm) of required position and parallel to floor surface.

E. Verify floor flatness of 1/8 inch in 10 feet (3 mm in 3 m), noncumulative.

F. Verify wall plumbness of 1/8 inch in 10 feet (3 mm in 3 m), noncumulative.

3.02 PREPARATION

A. Verify required utilities are located as indicated on drawings, of correct characteristics, and ready for use.

3.03 INSTALLATION

A. See drawings for installation of overhead structural support and bracing of partition suspension systems.

B. Install partitions in accordance with manufacturer's instructions.

C. Install fire partition in accordance with manufacturer's instructions and approved shop drawings.

D. Install partitions level and plumb.

3.04 ADJUSTING

A. Adjust partition assembly to provide smooth operation from stacked to full open position.

B. Visually inspect fully expanded partition for light leaks; identify potential acoustical leaks; adjust to achieve light-tight seals.

C. Lubricate moving components.

3.05 CLEANING

A. See Section 01 70 00 - Execution and Closeout Requirements for additional requirements.

3.06 CLOSEOUT ACTIVITIES

A. Demonstrate proper operation of equipment to Owner's designated representative.

END OF SECTION 10 22 33

SECTION 26 27 26 - WIRING DEVICES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes the following:

1. Receptacles: Straight blade, GFCI, USB.
2. Twist-locking receptacles.
3. Weather-resistant receptacles
4. Snap switches and wall-box dimmers
5. Floor boxes and poke-through assemblies.
6. Safety type receptacle (tamperproof).

B. Confinement/Institutional Areas: All devices and wall plates installed in an area defined as an inmate area shall be suitable for a Confinement/Institutional area.

1.3 DEFINITIONS

A. EMI: Electromagnetic interference.

B. GFCI: Ground-fault circuit interrupter.

C. Pigtail: Short lead used to connect a device to a branch-circuit conductor.

D. RFI: Radio-frequency interference.

E. IG: Isolated ground type.

F. TR: Tamper-resistant.

1.4 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Shop Drawings: Provide for each multi-outlet assembly.

1. Provide 1/4" = 1'-0" scale floor plan drawings for each multi-outlet assembly. Provide an identification tag for each raceway with the room number plus identifier.

2. Provide details for each assembly identifying the exact length, mounting details, each device to be installed, cutout openings, covers, hardware, etc., required for the entire assembly.
3. Each receptacle shall be identified with NEMA configuration, panel, circuiting number, voltage, and conductor sizes/quantities.

C. Field quality-control test reports.

D. Operation and Maintenance Data: For wiring devices to include in all manufacturers' packing label warnings and instruction manuals that include labeling conditions.

1.5 QUALITY ASSURANCE

A. Source Limitations: Obtain each type of wiring device and associated wall plate through one source from a single manufacturer. Insofar as they are available, obtain all wiring devices and associated wall plates from a single manufacturer and one source.

B. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.

C. Comply with NFPA 70.

D. Comply with the latest edition of Facility Guidelines Institute (FGI) Design Guide for the Built Environment of Behavioral Health Facilities.

E. Comply with the latest edition of the New York State Office of Mental Health Patient Safety Standards, Materials and Systems Guidelines. Devices for installation in high or medium risk areas as illustrated on Drawing G110.2 must be shown as accepted in the latest edition of this Guideline.

1.6 COORDINATION

A. Receptacles for Owner-Furnished Equipment: Match plug configurations.

1. Cord and plug sets: Match equipment requirements.

1.7 CLOSEOUT SUBMITTALS

A. Operation and Maintenance Data: For wiring devices to include in all manufactures' packaging-label warnings and instruction manuals that include labeling conditions.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers' Names: Shortened versions (shown in parentheses) of the following manufacturers' names are used in other Part 2 articles:

1. Cooper Wiring Devices; a division of Cooper Industries, Inc. (Cooper).
2. Hubbell Incorporated; Wiring Device-Kellems (Hubbell).
3. Leviton Mfg. Company Inc. (Leviton).
4. Pass & Seymour/Legrand; Wiring Devices & Accessories (Pass & Seymour).

B. Source Limitations: Obtain each type of wiring device and associated wall plate from single source from a single manufacturer.

2.2 STRAIGHT BLADE RECEPTACLES

A. Convenience Receptacles, 125 V, 20 A: Comply with NEMA WD 1, NEMA WD 6 configuration 5-20R, and UL 498 Supplement and FS W-C-596

1. Products: Subject to compliance with requirements, provide one of the following:

a. Cooper 5351; (single), CR5362(duplex).
b. Hubbell HBL5351; (single), HBL5352 (duplex).
c. Leviton 5891; (single), 5352 (duplex).
d. Pass & Seymour 5361; (single), 5362 (duplex).

2.3 SAFETY TYPE (TAMPER-RESISTANT) RECEPTACLES

A. Tamper-Resistant Convenience receptacles, 125 V, 20 A: Comply with NEMA WD 1, NEMA WD 6 configuration 5-20R, and UL 498 Supplement sd, and FS W-C-596.

1. Products: Subject to compliance with requirements, provide one of the following:

a. Cooper TR370 (duplex).
b. Hubbell BR20_TR (duplex).
c. Leviton T5850 (duplex).
d. Pass & Seymour TR20W (duplex).

2.4 GFCI RECEPTACLES

A. General Description: Straight blade, non-feed-through type. Comply with NEMA WD 1, NEMA WD 6, UL 498, and UL 943, Class A, and include indicator light that is lighted when device is tripped.

B. Hospital-Grade, Tamper Resistant, Duplex GFCI Convenience Receptacles, 125 V, 20 A: Comply with UL 498 Supplement SD.

1. Products: Subject to compliance with requirements, provide one of the following:

    a. Cooper TRVGFH20.
    b. Hubbell GFR8300SG.
    c. Leviton 7590
    d. Pass & Seymour 2095HGTR.

2.5 STRAIGHT-BLADE USB RECEPTACLES

A. Convenience Duplex Receptacle, 125-volt, 20 amp, Tamper Resistant, Two (2) USB Type 2.0 ports, 3 amp, 5 volt DC. Comply with NEMA WD1, NEMA WD6 Configuration, 5-20R and UL 498 Supplement SD.

1. Products: Subject to compliance with requirements, provide one of the following:

    a. Cooper TR7756.
    b. Hubbell USB20X.
    c. Leviton T5832
    d. Pass & Seymour TR5362USB.

2.6 SPECIAL RECEPTACLES

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. Cooper.
2. Hubbell.
3. Leviton.
4. Pass and Seymour.

B. Heavy Duty, Specification Grade, Twist Lock, 250V, 30A, 3 Phase: Comply with NEMA WD1, NEMA WD6, Configuration L15-30. Shall be equal to Hubbell HBL2720.

C. Heavy Duty, Specification Grade, Twist Lock, 480V, 30A, 3 Phase: Comply with NEMA Configuration L16-30. Shall be equal to Hubbell HBL2730.

D. Refer to drawings for other NEMA configurations.

2.7 PENDANT CORD-CONNECTOR DEVICES

A. Description: Matching, locking-type plug and receptacle body connector; NEMA WD 6 configurations L5-20P and L5-20R, heavy-duty grade.

1. Body: Nylon with screw-open cable-gripping jaws and provision for attaching external cable grip.
2. External cable grip: Woven wire-mesh type made of high-strength galvanized-steel wire strand, matched to cable diameter, and with attachment provision designed for corresponding connector.

2.8 CORD AND PLUG SETS

A. Description: Match voltage and current ratings and number of conductors to requirements of equipment being connected.

1. Cord: Rubber-insulated, stranded-copper conductors, with Type SOW-A jacket; with green-insulated grounding conductor and equipment-rating ampacity plus a minimum of 30 percent.
2. Plug: Nylon body and integral cable-clamping jaws. Match cord and receptacle type for connection.

2.9 SNAP SWITCHES

A. Comply with NEMA WD 1 and UL 20.

B. Switches, 120/277 V, 20 A:

1. Products: Subject to compliance with requirements, provide one of the following:

a. Cooper AH1221 (single pole), AH1222 (two pole), AH1223 (three way), AH1224 (four way).
b. Hubbell; HBL1221 (single pole), HBL1222 (two pole), HBL1223 (three way), HBL1224 (four way).
c. Leviton; 1221-2 (single pole), 1222-2 (two pole), 1223-2 (three way), 1224-2 (four way).
d. Pass & Seymour; PS20AC1 (single pole), PS20AC2 (two pole), PS20AC3 (three way), 20AC4 (four way).

2.10 LIGHTING CONTROL DEVICES

A. Refer to Division 26 Section “Lighting Control Devices” for requirements related to occupancy sensors, daylight sensors and wall box dimmers.

2.11 WALL PLATES

A. Single and combination types to match corresponding wiring devices.
1. Plate-Securing Screws: Metal with head color to match plate finish.
2. Material for Finished Spaces (Non-Inmate Areas): Smooth, high-impact thermoplastic.
3. Material for Finished Spaces (Inmate Areas): 14-guage steel tamperproof cover. Kenall, Fail-Safe, New Star or equal.
4. Material for Damp Locations: Cast aluminum with spring-loaded lift cover, and listed and labeled for use in wet and damp locations.

B. Wet-Location, Weatherproof Cover Plate: NEMA 250, complying with Type 3R, Weather-resistant, die-cast aluminum with lockable cover.

1. Communications: One 1-1/4-inch conduit.

2.12 FINISHES

A. Color: Wiring device catalog numbers in Section Text do not designate device color.

1. Wiring devices ~~*connected to normal power system*~~: White, unless otherwise indicated or required by NFPA 70 or device listing.
~~2. Wiring devices connected to emergency power system: Red.~~
~~3. TVSS Devices: Blue~~

B. Wall Plate Color: For plastic covers, match device color.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Comply with NECA 1, including the mounting heights listed in that standard, unless otherwise noted.

1. Receptacles: 18 inches A.F.F. to center unless noted otherwise.
2. Switches/dimmer/wall occupancy sensor: 46 inches A.F.F. to center unless noted otherwise.

B. Coordination with Other Trades:

1. Take steps to insure that devices and their boxes are protected. Do not place wall finish materials over device boxes and do not cut holes for boxes with routers that are guided by riding against outside of the boxes.
2. Keep outlet boxes free of plaster, drywall joint compound, mortar, cement, concrete, dust, paint, and other material that may contaminate the raceway system, conductors, and cables.
3. Install device boxes in brick or block walls so that the cover plate does not cross a joint unless the joint is troweled flush with the face of the wall.
4. Install wiring devices after all wall preparation, including painting, is complete.

C. Conductors:

1. Do not strip insulation from conductors until just before they are spliced or terminated on devices.
2. Strip insulation evenly around the conductor using tools designed for the purpose. Avoid scoring or nicking of solid wire or cutting strands from stranded wire.
3. The length of free conductors at outlets for devices shall meet provisions of NFPA 70, Article 300, without pigtails.

D. Device Installation:

1. Replace all devices that have been in temporary use during construction or that show signs that they were installed before building finishing operations were complete.
2. Keep each wiring device in its package or otherwise protected until it is time to connect conductors.

3. Do not remove surface protection, such as plastic film and smudge covers, until the last possible moment.
4. Connect devices to branch circuits using pigtails that are not less than 6 inches (152 mm) in length.
5. When there is a choice, use side wiring with binding-head screw terminals. Wrap solid conductor tightly clockwise, 2/3 to 3/4 of the way around terminal screw.
6. Use a torque screwdriver when a torque is recommended or required by the manufacturer.
7. When conductors larger than No. 12 AWG are installed on 15- or 20-A circuits, splice No. 12 AWG pigtails for device connections.
8. Tighten unused terminal screws on the device.
9. When mounting into metal boxes, remove the fiber or plastic washers used to hold device mounting screws in yokes, allowing metal-to-metal contact.

E. Wall Plates: Do not use oversized or extra-deep plates. Repair wall finishes and remount outlet boxes when standard device plates do not fit flush or do not cover rough wall opening.

F. Arrangement of Devices: Unless otherwise indicated, mount flush, with long dimension vertical and with grounding terminal of receptacles on top. Group adjacent switches under single, multi-gang wall plates.

G. Adjust locations of floor boxes and poke through assemblies to suit arrangement of partitions and furnishings.

3.2 IDENTIFICATION

A. Comply with Division 26 Section "Identification for Electrical Systems."

1. Receptacle and switch cover plates: Identify panelboard and circuit number from which served with a clear label with black lettering.

3.3 FIELD QUALITY CONTROL

A. Perform tests and inspections and prepare test reports.

1. In healthcare facilities, prepare reports that comply with recommendations in NFPA 99.
2. Test instruments: Use instruments that comply with UL 1436.
3. Test instrument for convenience receptacles: Digital wiring analyzer with digital readout or illuminated LED indicators of measurement.

B. Tests for Convenience Receptacles:

1. Line voltage: Acceptable range is 105 to 132 V.
2. Percent voltage drop under 15 amp load: A value of 6 percent or higher is not acceptable.
3. Ground impedance: Values of up to 2 ohms are acceptable.
4. GFCI trip: Test for tripping values specified in UL 1436 and UL 943.
5. Using the test plug, verify that the device and its outlet box are securely mounted.
6. The tests shall be diagnostic, indicating damaged conductors, high resistance at the circuit breaker, poor connections, inadequate fault current path, defective devices, or similar

problems. Correct circuit conditions, remove malfunctioning units and replace with new ones, and retest as specified above.

C. Test straight blade hospital-grade convenience outlets for the retention force of the grounding blade according to NFPA 99. Retention force shall be not less than 4 oz. (115 g).

END OF SECTION 26 27 26

LIFE SAFETY PLAN NOTES

1. ALL DOORS TO BE KEYLESS IN DIRECTION OF EGRESS. THUMB TURN HARDWARE NOT ALLOWED.
2. ALL FIRE RATED DOORS TO BE SELF CLOSING AND LATCHING.
3. PROVIDE SAFETY GLAZING AT GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST EXPOSED EDGE OF THE GLAZING IS WITHIN A 24" ARC OF EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 60" ABOVE THE WALKING SURFACE.
4. PROVIDE AND INSTALL 8"X8" ACCESS PANEL IN ALL GYP. BD. SOFFITS AND CEILINGS AT ALL FIRE DAMPERS, PLUMBING SHUT-OFF VALVES AND PLUMBING CLEAN-OUTS.
5. V.I.F. WITH CITY OF VINCENNES FIRE DEPARTMENT, LOCATION AND SIZE AND TYPE OF PORTABLE FIRE EXTINGUISHERS ON ALL FLOORS.
6. PROVIDE AND INSTALL AN APPROVED KEY KNOX BOX IN A LOCATION DETERMINED BY THE CITY.
7. EXIT SIGNS SHALL BE INTERNALLY ILLUMINATED.
8. INTERNALLY ILLUMINATED SIGNS SHALL BE LISTED AND LABELED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
9. EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES.
10. EXIT SIGNS SHALL BE CONNECTED TO AN EMERGENCY POWER SYSTEM THAT WILL PROVIDE AN ILLUMINATION OF NOT LESS THAN 90 MIN. IN CASE OF PRIMARY POWER LOSS.
11. DOOR HANDLES, LOCK AND OTHER OPERATING DEVICES SHALL BE INSTALLED AT A MIN. 34" AND A MAX. 48" ABOVE THE FINISH FLOOR.
12. THE MEANS OF EGRESS, INCLUDING THE EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED. THE MEANS OF EGRESS ILLUMINATION LEVEL SHALL NOT BE LESS THAN 1 FOOT-CANDLE AT THE WALKING SURFACE.
13. ALL EXIT DOORS:
    - A. CLEAR WIDTH OF EACH DOOR OPENING SHALL BE MIN. 32" OR PER TABLE 1005.1 WHICHEVER IS GREATER
    - B. MIN. DOOR HEIGHT OF 6'-8"
    - C. SHALL BE CAPABLE OF OPENING 90 DEGREES.
    - D. THE MAXIMUM WIDTH OF A SWINGING DOOR LEAF SHALL BE 48" NOMINAL
    - E. EXIT DOOR SHALL BE SIDE-HINGED SWINGING TYPE.
14. PROVIDE A MINIMUM CORRIDOR WIDTH OF 44".
15. ELECTRICALLY POWERED, SELF LUMINOUS AND PHOTO LUMINESCENT EXIT SIGNS SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 924 AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. SIGNS SHALL BE ILLUMINATED AT ALL TIMES.

1 **FIRST FLOOR LIFE SAFETY PLAN**
3/16" = 1'-0"

LIFE SAFETY PLAN LEGEND

Room name
101
AREA: 150 SF
EGRESS
Occupancy
Load: ##
# of Exits: #

EGRESS INFORMATION

LOCK BOX

FACP ANNUNCIATOR

FEC FIRE EXTINGUISHER

1-HOUR FB RATED WALL (1-HR FB) [IBC 707]

2-HOUR FB RATED WALL (2-HR FB) [IBC 707]

CODE SUMMARY

KNOX CO. EOC - CODE ANALYSIS		
01.12.25		
APPLICABLE CODES:		2014 INDIANA BUILDING CODE (2012 IBC W/ IN AMEND) 2014 INDIANA MECHANICAL CODE (2012 IMC W/ IN AMEND) 2014 INDIANA FIRE CODE (2012 IFC W/ IN AMEND) 2010 INDIANA PLUMBING CODE (2006 IPC W/ IN AMEND) 2009 INDIANA ELECTRICAL CODE (2008 NEC W/ IN AMEND0 2010 INDIANA ENERGY CONSERVATION CODE NFPA 13, 2016 EDITION NFPA 72, 2016 EDITION
PROJECT SCOPE:		THIS PROJECT IS A NEW, EMERGENCY OPERATIONS CENTER FOR KNOX COUNTY. IT IS A ONE-STORY FACILITY, WOOD FRAMED WITH A
OCCUPANCY TYPE BY AREA PER PLAN (REFER TO SECS. 508.2.1 & 302.1):		FIRST FLOOR: 9,303 +/- SF (ACTUAL)
OCCUPANCY CLASSIFICATIONS:	SEC. 304.1	"B" OCCUPANCY - OFFICE
CODE STRATEGY:	SEC. 508.2 & 508.2.4	THE BUILDING IS DESIGNED USING TYPE V-B CONSTRUCTION. THE OCCUPANCY TYPE IS PRIMARILY B" WITH A ASSEMBLY ACCESSORY OCCUPANCY.
OCCUPANCY SEPARATIONS:	TABLE 508.4	NONE
POTENTIAL VARIANCE(S):		NONE
ALLOWABLE AREA FOR B, TYPE V-B CONSTRUCTION:	TABLE 503	9,000 SF
ACTUAL AREA:		9,303 +/- SF
FRONTAGE INCREASE:	SEC. 506.3	0.75 X 9,000 = 6,000 SF ADDITIONAL AREA DUE TO FRONTAGE TOTAL ALLOWABLE IS 15,000 SF
ALLOWABLE HEIGHT FOR B, TYPE V-B CONSTRUCTION:	TABLE 503	ALLOWABLE: 2-STORY, 40 FEET / ACTUAL: 1-STORY AT 16-FEET +/-
HEIGHT INCREASE WITH SPRINKLER SYSTEM PER 903.3.1.1 (NFPA 13 SYSTEM):	SEC. 504.2	NO INCREASE ALLOWED - NOT SPRINKLERED
OCCUPANCY SEPARATIONS:	TABLE 509	FURNACE ROOM WHERE ANY PIECE OF EQUIPMENT IS OVER 400,000 BTU PER HOUR OR ROOMS WITH BOILERS WHERE THE LARGEST PIECE OF EQUIPMENT IS OVER 15 PSI AND 10 HP - SEPARATED BY (1) HOUR FROM REMAINDER OF BUILDING OR PROTECT WITH AUTOMATIC SPRINKLER SYSTEM
BUILDING ELEMENTS FOR TYPE V-B CONSTRUCTION:	TABLE 601	PRIMARY STRUCTURAL FRAME 0 hours BEARING WALLS: 0 hours EXTERIOR: 0 hours INTERIOR: 0 hours EXTERIOR 1 HOUR LESS THAN 10 FEET, 0 hours INTERIOR: 0 hours FLOOR ASSEMBLIES: 0 hours ROOF ASSEMBLIES: 0 hours
	TABLE 705.8	UNLIMITED EXTERIOR OPENINGS PERMITTED BASED ON FIRE SEPARATION DISTANCE OF AT LEAST 30 FEET.
CONSTRUCTION TYPE:	SEC. 602.5	TYPE V-B CONSTRUCTION / NON-SPRINKLED
SHAFT ENCLOSURES / ELEVATOR HOISTWAYS:	SEC. 713.4	1-HOUR, LESS THAN 4-STORIES
SPRINKLER SYSTEM:	SEC. 903.2.8	NOT REQUIRED
STANDPIPES:	SEC. 905.3.1	STANDPIPES NOT REQUIRED BASED ON HEIGHT OF
FIRE ALARM SYSTEM:	SEC. 907.2.9	B OCCUPANCY: NOT REQUIRED, PROVIDED, AS REQUESTED BY OWNER PROVIDED, AS REQUESTED BY OWNER
SMOKE DETECTORS:	907.2.9.2	PROVIDED, AS REQUESTED BY OWNER
FIRE AND SMOKE DAMPERS:	SEC. 909.18.3	RATED DAMPERS SHALL MEET THE RATED INSTALLATIONS AS REQUIRED.
OCCUPANT LOAD (BY CALC):	TABLE 1004.2	
FIRST FLOOR	B: 1/100 G	6,675 SF/100 = 66.75 = 67
TRAINING ROOM	EDU: 1/20 N	1,392 SF/20 = 69.6 = 70
DISPATCH	ASS: 1/20 N	1,236 SF/20 = 60.6 = 61
TOTAL OCCUPANT LOAD		*198 OCCUPANTS*
COMMON PATH OF TRAVEL:	TABLE 1014.3	COMMON PATH OF TRAVEL SHALL NOT EXCEED 75 FT. OCCUPANT LOAD > 30.
MAX. EXIT TRAVEL DISTANCE:	TABLE 1016.2	200 FEET = NON- SPRINKLERED
CORRIDORS:	TABLE 1018.1	1 HOUR, REQUIRED
	TABLE 1018.2	MINIMUM WIDTH: 44-INCHES
	TABLE 1018.4	DEAD END: 20 FT MAX - NO-SPRINK / 50 FT MAX - SPRINK
RISK FACTOR:	TABLE 1604.5	RISK CATEGORY IV
PLUMBING FACILITIES, B-OCC:	TABLE 2902.1	TOTAL OCCUPANT LOAD OF 198 ----- 99 M / 99 W
WATER CLOSETS:	1/25 first 50	3 WC (M) + 3 WC (W) [M - Can substitute 1 U for 1 WC]
LAVATORIES:	1/40 first 80	3 LAV EA. FOR M & W
WATER COOLER	1/100	2 EWC REQUIRED
SERVICE SINK		1 REQUIRED

RQAW

DCCM

BID SET

KNOX COUNTY BOARD OF COMMISSIONERS

Knox Co. Emergency Op.

2830 E. ARC AVE.
VINCENNES, IN 47591

#	Revision	Date
1	Addendum 1	2025-05-30
2	Addendum 3	2025-06-20

Project #: 24-700-155-1

Designed By: VW

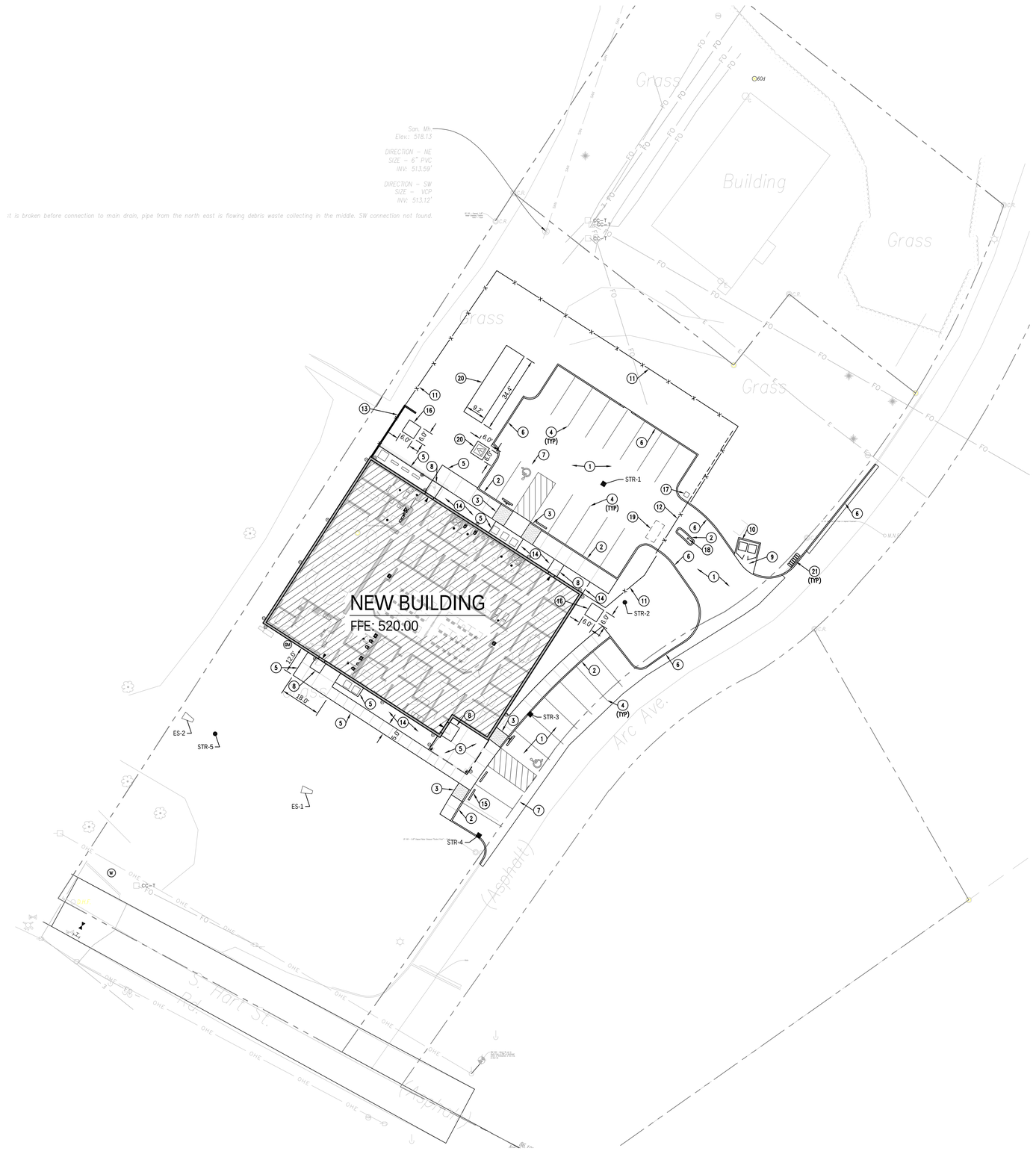
Drawn By: LG & AR

Checked By: MG

Date: 05/16/2025

LIFE SAFETY DIAGRAM & CODE ANALYSIS

G-100



GENERAL NOTES

A. REFER TO SITE DETAILS FOR NOTE REFERENCES.

○ PLAN NOTES

1. ASPHALT PAVEMENT.
2. CONCRETE CURB AND WALK.
3. ACCESSIBLE RAMP.
4. 4" WIDE PAINTED PARKING STRIPE.
5. CONCRETE WALK.
6. STRAIGHT CONCRETE CURB.
7. ACCESSIBLE PARKING SPACE.
8. FLUSH CONCRETE STOOP. REFER TO STRUCTURAL DRAWINGS.
9. 6" THICK CONCRETE PAVEMENT.
10. COVRIT DUMPSTER ENCLOSURE AS MANUFACTURED BY CITYSCAPES ARCHITECTURAL INNOVATIONS, VERTICAL PLANK STYLE. FINAL COLOR SELECTION OF WOOD AND STEEL TO BE SELECTED BY ARCHITECT.
11. 6FT TALL DECORATIVE FENCE. FENCE TO BE SIMILAR TO MONTAGE, 2 RAIL MAJESTIC STYLE, FLUSH BOTTOM INDUSTRIAL FENCE AS MANUFACTURED BY AMERISTAR.
12. 6FT TALL, 27' LONG CANTILEVER GATE. GATE TO BE SIMILAR TO TRANSPORT TRAVERSE II MAJESTIC STYLE AS MANUFACTURED BY AMERISTAR.
13. CONCRETE RETAINING WALL WITH FENCE INSTALLED ON TOP. REFER TO STRUCTURAL DRAWINGS FOR MORE INFORMATION.
14. STONE MULCH AND METAL EDGING.
15. CONCRETE WHEEL STOP.
16. CONCRETE FOUNDATION FOR NEW ANTENNA. ANTENNA TO BE INSTALLED BY OTHERS.
17. GATE OPERATOR TO BE DOORKING MODEL 9150-380, 1HP. REFER TO ELECTRICAL DRAWINGS FOR WIRING AND POWER INFORMATION.
18. PEDESTAL LOCATION FOR GATE ACCESS DEVICE. PEDESTAL AND ACCESS DEVICE TO BE OWNER FURNISHED.
19. IN PAVEMENT VEHICLE DETECTION LOOP FOR GATE OPERATOR.
20. CONCRETE EQUIPMENT PAD. CONFIRM FINAL SIZE REQUIREMENTS WITH FINAL EQUIPMENT SELECTION.
21. RELOCATED MAILBOXES.

A3

0 20 40 FEET
SCALE:1"=20'

N

RQAW
DCCM
JPS CONSULTING ENGINEERS, LLC

Bid Set

KNOX COUNTY BOARD OF COMMISSIONERS

Knox Co. Emergency Op.

2830 E. CARNEY AVE.
VINCENNES IN 47591

#	Revision	Date
A1	ADDENDUM 1	05/30/25
A3	ADDENDUM 3	06/23/25

Project #: 24-700-155-1
Designed By: NBV
Drawn By: NBV
Checked By: NBV
Date: 05.16.2025

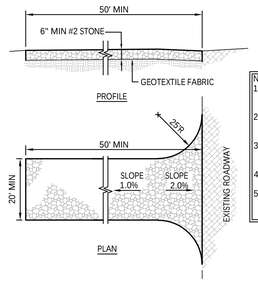
NICHOLAS BIJAN VIRGATICO
REGISTERED
No.
PE11500269
STATE OF
INDIANA
PROFESSIONAL ENGINEER

Nicholas Bijan Virgatico

NOT FOR CONSTRUCTION

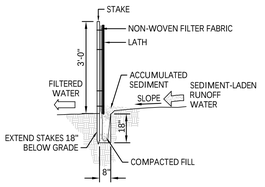
SITE IMPROVEMENT PLAN

C500



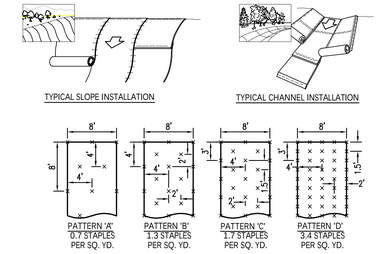
NOTES:
1. CONTRACTOR SHALL ACQUIRE ALL PERMITS AND APPROVAL FROM AGENCY HAVING JURISDICTION OF ROADWAY.
2. RESHAPE PAD AS NEEDED FOR RUNOFF CONTROL. TOP DRESS WITH CLEAN STONE AS NEEDED. INSPECT WEEKLY.
3. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ON TO EXISTING ROADWAY.
4. REPAIR DAMAGE TO EXISTING PAVEMENT IMMEDIATELY.
5. INSTALL TEMPORARY CULVERT PIPE IF REQUIRED TO MAINTAIN EXISTING RUNOFF PATTERNS.

5 CONSTRUCTION ENTRANCE DETAIL
NO SCALE



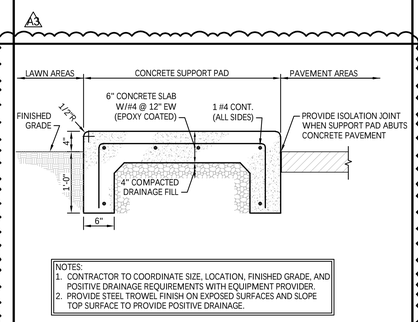
NOTES:
1. INSTALL TEMPORARY AND PERMANENT SEDIMENT AND EROSION CONTROL PRACTICES PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES.
2. REFER TO SPECIFICATIONS FOR SILT FENCE INFORMATION. INSTALL AND MAINTAIN PER MANUFACTURER'S RECOMMENDATIONS.

4 SILT FENCE DETAIL
NO SCALE



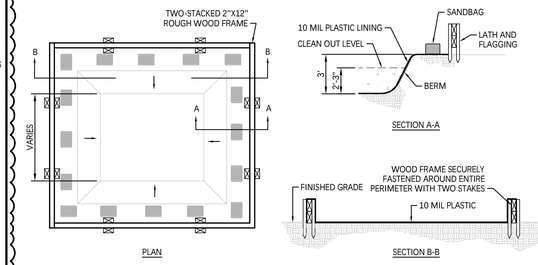
NOTES:
1. INSTALL TEMPORARY AND PERMANENT SEDIMENT AND EROSION CONTROL PRACTICES IMMEDIATELY AFTER LAND DISTURBING ACTIVITIES.
2. GRADE SITE PER GRADING PLANS. PREPARE AND PLACE TOPSOIL PER SPECIFICATIONS.
3. REFER TO EROSION CONTROL BLANKET MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION (ANCHORAGE, STAPLE PATTERN/SPACING, SPLICING, ETC.).

3 EROSION CONTROL BLANKET DETAIL
NO SCALE



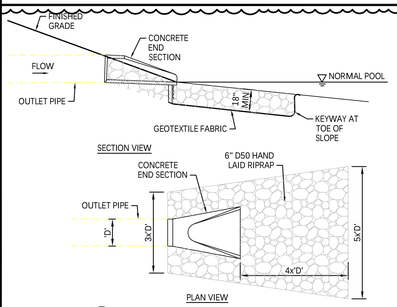
NOTES:
1. CONTRACTOR TO COORDINATE SIZE, LOCATION, FINISHED GRADE, AND POSITIVE DRAINAGE REQUIREMENTS WITH EQUIPMENT PROVIDER.
2. PROVIDE STEEL TROWEL FINISH ON EXPOSED SURFACES AND SLOPE TOP SURFACE TO PROVIDE POSITIVE DRAINAGE.

7 EQUIPMENT SUPPORT PAD DETAIL
NO SCALE



2 CONCRETE WASHOUT AREA DETAIL
NO SCALE

NOTES:
1. PORTLAND CEMENT CONCRETE WASTE SHALL NOT BE ALLOWED TO ENTER STORM DRAINS OR WATERCOURSES.
2. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE LOCATED AT LEAST 50 FEET FROM OPEN DRAINAGE FACILITIES AND WATERCOURSES. EACH FACILITY SHALL BE LOCATED AWAY FROM CONSTRUCTION TRAFFIC OR ACCESS AREAS TO PREVENT DISTURBANCE OR TRACKING.
3. PERFORM WASHOUT OF MIX TRUCK CHUTES IN DESIGNATED AREAS ONLY.
4. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITY SHALL BE RESTORED TO ORIGINAL GROUND WITH BERM AND SIMILAR SOIL MATERIALS.
5. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE MAINTAINED TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM FREEBOARD OF 12 INCHES. MAINTAINING TEMPORARY WASHOUT FACILITIES SHALL INCLUDE REMOVING AND LEGALLY DISPOSING OF HARDENED CONCRETE AND RETURNING THE FACILITY TO A FUNCTIONAL CONDITION.
6. EXISTING FACILITIES MUST BE CLEANED, OR NEW FACILITIES CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75% FULL.
7. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE INSPECTED DAILY FOR DAMAGE (TEARS IN THE LINER, MISSING SANDBAGS, ETC.). DAMAGED FACILITIES SHALL BE REPAIRED BEFORE FURTHER USE.
8. CONTRACTOR TO INSTALL TEMPORARY SIGNAGE OF SUFFICIENT MATERIALS TO INDICATE THE LOCATION OF THE WASHOUT AREA TO MIX TRUCK DRIVERS.



6 RIPRAP APRON DETAIL
NO SCALE

SEASONAL SOIL PROTECTION CHART

STABILIZATION PRACTICE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
PERMANENT SEEDING *		A						A				
DORMANT SEEDING **			A								A	
TEMPORARY SEEDING		B						C				
		D										

FOR ALL SEEDING APPLICATIONS, ADD STRAW MULCH AT 2 TONS/ ACRE.

A = REFER TO SPECIFICATIONS FOR PERMANENT SEEDING MIXTURE. FERTILIZE AS RECOMMENDED BY SOIL TEST, IF TESTING IS NOT DONE, APPLY 400-600 LBS./ACRE OF 12-12-12 ANALYSIS, OR EQUIVALENT, FERTILIZER.

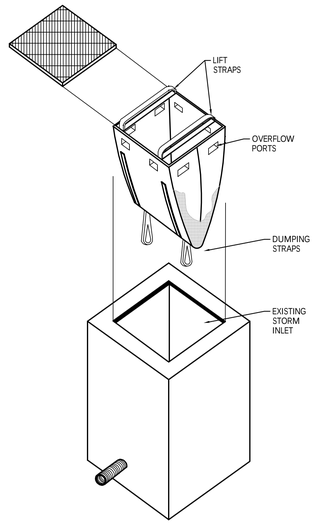
B = SPRING OATS 3 BUSHELS / ACRE (2.3lbs. / 1000 Sq ft) FERTILIZE AS RECOMMENDED BY SOIL TEST. IF TESTING IS NOT DONE, APPLY 400- 600 LBS./ACRE OF 12-12-12 ANALYSIS, OR EQUIVALENT, FERTILIZER.

C = WHEAT OR RYE 2 BUSHELS/ACRE (2.8lbs. / 1000 Sq. ft) FERTILIZE AS RECOMMENDED BY SOIL TEST. IF TESTING IS NOT DONE, APPLY 400- 600 LBS./ACRE OF 12-12-12 ANALYSIS, OR EQUIVALENT, FERTILIZER.

D = ANNUAL RYEGRASS 40 LBS./ACRE (1 LB./1000 SQ. FT.)

* IRRIGATION NEEDED DURING JUNE, JULY, AUGUST AND SEPTEMBER AND AS REQUIRED BY WEATHER CONDITIONS.

** INCREASE SEEDING APPLICATION BY 50%



REQUIREMENTS
1. THE INLET PROTECTION UNIT SHALL BE A SEWN GEOTEXTILE FABRIC UNIT.
2. THE UNIT SHALL HAVE LIFTING STRAPS TO ALLOW REMOVAL OF THE UNIT AND MANUAL INSPECTION OF THE STORM WATER SYSTEM.

INSTALLATION
1. REMOVE THE GRATE FROM THE INLET AND STAND ON END.
2. MOVE THE TOP BY LIFTING STRAP OUT OF THE WAY AND PLACE THE GRATE INTO THE UNIT SO THAT THE GRATE IS BELOW THE TOP STRAPS AND ABOVE THE LOWER STRAPS.
3. INSERT THE GRATE INTO THE INLET UTILIZING THE LIFTING DEVICES.

MAINTENANCE
REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM AROUND THE UNIT FOLLOWING EACH STORM EVENT. LOOK INTO THE UNIT FOLLOWING EACH STORM EVENT AND AT REGULAR INTERVALS. THE UNIT MUST BE EMPTIED IF IT IS MORE THAN 1/3 FULL OF ACCUMULATED SEDIMENT. EMPTY THE UNIT BY USING THE LIFTING STRAPS TO LIFT IT OUT OF THE INLET AND REMOVE THE GRATE. TRANSPORT THE UNIT TO AN APPROPRIATE LOCATION TO REMOVE CONTENTS. UTILIZING THE DUMPING STRAPS ON THE OUTSIDE AT THE BOTTOM OF THE UNIT, TURN THE UNIT UPSIDE DOWN, EMPTYING THE CONTENTS. REINSTALL THE UNIT.

NOTES:
1. CURB INLET PROTECTION SHALL BE DANDY SACK OR APPROVED EQUAL

1 INLET PROTECTION DETAIL
NO SCALE

RQAW
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JPS CONSULTING ENGINEERS, LLC

Bid Set

KNOX COUNTY BOARD OF COMMISSIONERS

Knox Co. Emergency Op.

2830 E. CARNEY AVE.
VINCENNES IN 47591

#	Revision	Date
A3	ADDENDUM 3	06/23/25

Project #: 24-700-155-1
Designed By: NBV
Drawn By: NBV
Checked By: NBV
Date: 05.16.2025

NICHOLAS BIJAN VIRGATINO
REGISTERED
No. PE11500269
STATE OF INDIANA
PROFESSIONAL ENGINEER

Nicholas Bijan Virgatino

NOT FOR CONSTRUCTION

N

SITE DETAILS

C701

3A FIRST FLOOR DIMENSION PLAN

3/16" = 1'-0"

General Plan Notes

1. PLAN NOTES INDICATE ONE GRAPHIC REPRESENTATION TYPICAL. THE CONTRACTOR SHALL USE THE GRAPHIC REPRESENTATIONS FOR THE COUNT, NOT THE KEYED PLAN NOTES. THE ABSENCE OF A KEYED PLAN NOTE ON THE PLAN DOES NOT ABSOLVE THE CONTRACTOR FROM PROVIDING THE FEATURE GRAPHICALLY REPRESENTED ON THE DRAWING.

2. ALL DIMENSIONS SHOWN ARE TO FACE OF STUD OR MASONRY, UNLESS NOTED OTHERWISE. DIMENSIONS DESIGNATED AS "CLR OR "CLEAR" INDICATE A CLEAR DIMENSION FROM FACE OF FINISH TO FACE OF FINISH. DIMENSIONS OF EXTERIOR WALLS ARE TO OUTSIDE EDGE OF FOUNDATION.

3. DIMENSIONS FOR ALL OPENINGS FOR MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL SHALL BE FIRE STOPPED AT EACH FLOOR AND RATED WALL PENETRATION.

4. PROVIDE BRACING AND BLOCKING AS REQUIRED IN WALLS SUPPORTING CASEWORK, TACKBOARDS, MARKERBOARDS, AND RESTROOM ACCESSORIES.

5. ALL DOOR FRAMES ARE LOCATED 4" FROM ADJACENT WALL, UNLESS NOTED OTHERWISE.

6. ALL EXPOSED OUTSIDE CORNERS OF CMU SHALL BE BULLNOSED.

7. SEAL ALL JOINTS BETWEEN DISSIMILAR MATERIALS.

8. ALL GYPSUM WALLBOARD IS 5/8" TYPE "X", UNLESS NOTED OTHERWISE.

9. ALL EXTERIOR WALLS ARE TYPE "EW6L", UNLESS NOTED OTHERWISE.

10. ALL INTERIOR WALLS ARE TYPE W4iD 4" WOOD STUD TO DECK, WITH SOUND ATTANUATION BATT INSULATION WITH TYPE "X" GYPSUM WALLBOARD ON BOTH SIDES). UNLESS NOTED OTHERWISE.

11. BASE ELEVATION IS 0'-0" = 520' (UNITED STATES GEOLOGICAL SURVEY DATA). COORDINATE WITH CIVIL DRAWINGS

12. HATCHING WITHIN WALLS SHOWN IN PLANS AND SECTIONS INDICATES NEW CONSTRUCTION.

13. ALL WALLS THAT HAVE THE DESIGNATION "-C", AND ARE IN A SPACE WITH NO CEILING WILL BE 10FT TALL.

14. DRAWINGS ESTABLISH THE DESIGN INTENT OF WORK TO BE PERFORMED. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HIGHEST INDUSTRY STANDARDS. ALL PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ALL TRADES SHALL CAREFULLY COORDINATE WORK OF ALL OTHER TRADES. ANY DISCREPANCIES OR CONFLICTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT AND THE OWNER PRIOR TO FABRICATION OR INSTALLATION.

15. CONTRACTORS SHALL BE RESPONSIBLE FOR CHECKING THE CONTRACT DOCUMENTS FOR COORDINATION BETWEEN ARCHITECTURAL, STRUCTURAL, CIVIL, MECHANICAL, ELECTRICAL, PLUMBING, SECURITY AND LANDSCAPING. CONTRACTORS SHALL BE RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS AND FOR VERIFYING THEM WITH THE CONTRACT DOCUMENTS. ANY DISCREPANCY IN THE CONTRACT DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE NOTICE OF THE ARCHITECT PRIOR TO ANY FABRICATION OR CONSTRUCTION.

16. ALL CORRIDOR SURFACES SHALL BE FLUSH. AT JUNCTIONS OF MASONRY AND STUD WALLS, MASONRY WALL LOCATIONS SHALL HOLD TRUE AND NTL STUDS SHALL BE MOVED AS REQUIRED TO PROVIDE FLUSH CONNECTION BETWEEN GYP. BD. AND MASONRY. VERIFY NO. OF LAYERS OF GYP. BD. W/ WALL TYPES. RELOCATION OF WALL SHALL BE APPROVED BY ARCHITECT PRIOR TO CONST. AT TRANSITIONS FROM 1 LAYER GYP. BD. TO 2 LAYERS OF GYP. ON MTL. STUDS A MIN. CORRIDOR WIDTH OF 5'-0" FROM FACE OF STUDS SHALL BE MAINTAINED.

17. ALL BUILDING MATERIALS (INCLUDING BUT NOT LIMITED TO METAL FLASHING, VAPOR BARRIERS, AIR/WATER RESISTANT BARRIERS, THRU-WALL FLASHING, ETC.) SHALL BE LAPPED TO SHED WATER TO THE OUTSIDE OF THE BUILDING ENVELOPE.

18. SEE CODE COMPLIANCE PLAN G-100 FOR FIRE RATED WALLS.

19. SEE WALL TYPE LEGEND A-002 FOR WALLS AND CONSTRUCTION REQUIREMENTS.

20. WHEREVER POSSIBLE KEEP MINIMUM SIZE OF CUT MASONRY TO 4" OR GREATER.

21. ALL DIAGONAL WALLS SHALL BE AT 45° (U.N.O.)

22. SEE STRUCTURAL FOR CONTROL/EXPANSION JOINT LOCATIONS.

23. SLOPE CONCRETE SLABS TO FLOOR DRAINS AT 1/16" MIN. PER FT.

24. ALL CMU WALLS WITH EMBEDDED DETENTION EQUIP. TO HAVE WALLS GROUTED SOLID & REINF. W/ 1 #4 BAR @ 16" O.C. FOR MIN. 4'-0" AROUND EMBEDDED EQUIPMENT OR USE STEEL BLOCKS.

25. ALL EXPOSED PIPES, DUCTS CONDUITS IN SECURITY AREAS SHALL BE PROTECTED.

26. ALL DOORS AND BORROWED LITE FRAMES IN SECURITY MASONRY WALLS TO BE FULLY GROUTED. ALL SECURITY DOORS AND BORROWED LITE FRAMES IN MASONRY WALLS TO BE FULLY GROUTED. ALL SECURITY DOORS AND BORROWED LITE FRAMES IN SECURITY STUD WALLS TO HAVE JAMBS FULLY GROUTED UNLESS NOTED OTHERWISE.

27. WHEREVER VOLUME DAMPERS (V.D.) ARE LOCATED ABOVE SECURITY CEILINGS, PROVIDE 2'-0"x2'-0" ACCESS PANELS IN THE CEILING. REFER TO MECHANICAL DRAWINGS FOR NUMBER AND LOCATION. COORDINATE WITH ELECTRICAL DRAWINGS. PANELS SHALL BE SECURITY TYPE TO MATCH ADJACENT CEILING.

28. ALL CHASE WALLS SHALL BE FULL HEIGHT UNLESS NOTED OTHERWISE.

29. ALL INTERIOR AND EXTERIOR EXPOSED STEEL TO BE PAINTED. COLOR TO BE SELECTED BY ARCHITECT.

30. PROVIDE (2) TWO 4'x8' GRAPHIC SITE CONSTRUCTION SIGNS. ARCHITECT TO PROVIDE GRAPHIC CONTRACTOR TO INSTALL

31. ALL EXTERIOR WINDOWS ARE TYPE W1, UNLESS NOTED OTHERWISE.

32. SUFFIXES WITHIN SPECIFICATION REFERENCES (i.e. 10 11 33.XX or 10 11 33.A1) IN THE DRAWINGS CAN BE IGNORED. THESE SUFFIXES ARE A SORTING MECHANISM USED IN PREPARING THESE DRAWINGS.

33. ALL ROUGH OPENINGS (R.O.) SHALL BE VERIFIED WITH SELECTED WINDOW AND DOOR MANUFACTURER. ANY CHANGES FROM THE BASIS OF DESIGN WILL BE COORDINATED WITH ALL TRADES AND ROUGH OPENINGS ADJUSTED AS REQUIRED. ANY DISCREPTENCIES FOUND WILL BE BROUGHT TO THE ARCHITECT PRIOR TO CONSTRUCTION. ANY CHANGES AND REVISIONS WILL BE DONE AT CONTRACTORS EXPENSE.

34. ALL CONSTRUCTION AROUND PLUMBING FIXTURES IS REQUIRED TO BE COORDINATED WITH SELECTED MANUFACTURERS. ADJUST WALLS AS REQUIRED TO ACCOMODATE THE INSTALLATION OF THE SELECTED MANUFACTURERS PLUMBING FIXTURES. ANY CHANGES AND REVISIONS WILL BE DONE AT CONTRACTORS EXPENSE.

35. BUILDING ENVELOPE CONTINUITY WILL BE MONITORED BY A COMMISSIONING AGENT. TRANSITIONS BETWEEN BUILDING SYSTEMS (I.E. ROOF TO WALL, CURTAINWALL TO EXTERIOR WALL, ETC) SHALL INCLUDE CONTINOUS AIRTIGHT AIR BARRIER SYSTEM. ALL PENETRATIONS IN THE BUILDING ENVELOPE (INCLUDING WINDOWS, DOORS, STOREFRONT, ETC.) SHALL BE SEALED WITH AIR THIGHT WEATHER SEALS. AT ANY LOCATION WHERE MASONRY TIES OR OTHER MATERIALS PENETRATE THE AIR BARRIER, EACH PENETRATION SHALL BE SEALED AIRTIGHT.

5.4.110 - FLOOR PLAN NOTES

Key	Note
01	PAIRED-PANEL PARTITION, REFER TO SPECIFICATIONS, BASICS OF DESIGN TAKE MODERNFOLD
02	WALL MOUNTED SIGNAGE, REFER TO SPECIFICATIONS
03	WOOD COLUMN, COLOR TO BE SELECTED BY ARCHITECT, REFER TO S-SERIES DWGS
04	TV, PROVIDE ADEQUATE BRACING, COORDINATE WITH E-SERIES DWGS.
05	EDGE OF SLAB, REFER TO C-SERIES AND S-SERIES DWGS
06	ALIGN WALLS FLUSH
07	WASHER AND DRYER, REFER TO M-SERIES AND P-SERIES DWGS
08	SERVER RACK, SEE E-SERIES DWGS
09	DOUBLE-TIER LOCKERS, OWNER PROVIDED
10	STAND UP FREEZER, SEE E-SERIES DWGS
11	DRINKING FOUNTAIN AND BOTTLE FILLER, SEE P-SERIES DWGS
12	REFRIGERATOR, SEE P-SERIES AND E-SERIES DWGS
13	48" RANGE, FORNO FFGS6244-48 AS BASICS OF DESIGN WITH HOOD ABOVE, SEE M-SERIES DWGS
14	MOP SINK, PROVIDE CLEAR SPLASH GUARD 2'-0" ABOVE SINK & 4" EXTEBDED ON BOTH SIDES FROM EDGE OF BASIN, PROVIDE MOP HOLDER ABOVE SINK
15	COUNTERTOP AND CASEWORK, SEE A-400 I-SERIES DWGS
16	DISPATCH CONSOLES. OWNER PROVIDED, COORDINATE WITH E-SERIES DWGS FOR HOOKUPS
17	DOUBLE-BOWL SINK, SEE P-SERIES DWGS
18	MINI FRIDGE UNDER COUNTER, OWNER PROVIDED
19	SINGLE-BOWL SINK, SEE P-SERIES DWGS
20	FLOOR DRAIN, SEE P-SERIES DWGS
21	1-HR STEEL ROLL UP SERVING DOOR, BASIS OF DESIGN TO BE COOKSON DOOR ERC11, 4'-8" WIDE x 4'-2" TALL
22	FURNITURE, OWNER PROVIDED, NOT IN CONTRACT
23	STEEL GUARDRAIL, 42" ABOVE GRADE, COLOR TO BE CHOSEN BY ARCHITECT

RQAW

DCCM

BID SET

KNOX COUNTY BOARD OF COMMISSIONERS

Knox Co. Emergency Op.

2830 E. ARC AVE.
VINCENNES, IN 47591

#	Revision	Date
1	Addendum 1	2025-05-30
2	Addendum 3	2025-06-20

Project #: 24-700-155-1

Designed By: VW

Drawn By: LG & AR

Checked By: Checker

Date: 05/16/2025

FIRST FLOOR PLAN

AF101

DOOR & FRAME NOTES

1. PAINT ALL SIX SIDES OF FIBERGLASS DOORS TO MATCH WOOD DOORS.
2. PAINT ALL SIX SIDES OF WOOD DOORS.
3. ALL WOOD FRAMES TO BE PAINTED TO MATCH DOORS.
4. PAINT ALL SIX SIDES OF FIBERGLASS DOORS.
5. PAINT ALL SIX SIDES OF WOOD DOORS.
6. ALL WOOD FRAMES TO BE PAINTED TO MATCH DOORS.
7. ALL DOOR GLAZING SHALL BE TEMPERED.
8. PROVIDE ADA THRESHOLDS AT ALL 1ST FLOOR ENTRY DOORS.
9. TYPE A UNITS WILL HAVE A PEEP HOLE AT STANDARD HEIGHT 48" AND AN ADDITIONAL PEEP HOLE AT AN ADA ACCESSIBLE HEIGHT 60".
10. TYPE B UNITS WILL HAVE A PEEP HOLE AT THE STANDARD HEIGHT.
11. UNDERCUT DOORS 3/4" PER HCA DESIGN STANDARDS.
12. GATES SHALL COMPLY WITH THESE NOTES AS REQUIRED FOR DOORS.
13. ALL ENTERANCES AND EXITS SHALL HAVE A MINIMUM CLEAR OPENING OF 32 INCHES WITH THE DOOR OPEN AT 90 DEGREES FROM ITS CLOSED POSITION, MEASURED BETWEEN THE FACE OF THE DOOR AND THE OPPOSITE STOP.
14. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 POUNDS FOR PUBLIC EXTERIOR DOORS, 5 POUNDS FOR COMMON AREA EXTERIOR DOORS, 5 POUNDS FOR INTERIOR DOORS, AND 15 POUNDS FOR FIRE DOORS.
15. DOOR CLOSERS, WHERE PROVIDED SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 INCHES FROM THE LATCH. CONFIRM MANEUVERING CLEARANCE W/ AOR WHERE CLOSERS ARE ADDED.
16. THRESHOLD - LANDINGS SHALL NOT BE MORE THAN 1/2 INCH LOWER THAN THE TOP OF THE THRESHOLD OF THE DOORWAY. CHANGES IN HEIGHT BETWEEN 1/4 INCH AND 1/2 INCH SHALL BE BEVELED AT A MAXIMUM OF 50% CHANGES IN LEVEL GREATER THAN 1/2 INCH SHALL BE RAMPED.
17. PRIMARY UNIT ENTRY DOOR AND REQUIRED EXIT DOOR MANEUVERING CLEARANCE AT THE SIDE OF THE DOOR EXPOSED TO COMMON OR PUBLIC USE SPACES OR THE EXTERIOR SHALL COMPLY WITH PUBLIC AND COMMON USE REQUIREMENTS.

WINDOW NOTES

1. TEMPERED GLASS IS REQUIRED FOR ALL WINDOWS INSTALLED WITHIN 24" OF DOORS.
2. ALL WINDOWS TO BE LOW-E3.
3. WINDOWS SHALL MEET OR EXCEED WITH IECC THERMAL REQUIREMENTS: U-FACTOR = 0.35 (CLIMATE ZONE 4a)
4. INSTALL WINDOW/ MOUNTING FLANGE OVER AIR PERMEABLE MOISTURE BARRIER AND COVER MOUNTING FLANGE WITH FLEXIBLE MOISTURE BARRIER TAPE SYSTEM, LAPPING JOINTS FROM TOP TO BOTTOM AND COMPLETELY SEALING PERIMETER OF WINDOW FRAME.

GLAZING SCHEDULE

REFERENCE SPECIFICATION SECTION 08 80 00 - GLAZING

IG - 1" CLEAR INSULATED TEMPERED GLAZING WITH LOW-E COATING.

TG - 1/4" CLEAR TEMPERED GLAZING.

FR - 1HR FIRE RATING.

GENERAL NOTES

A. This Door Schedule(s) is furnished for whatever assistance it may afford the Contractor. Do not consider it as entirely inclusive. Carefully examine the Drawings (especially the Floor Plans) and the Specifications to determine the extent of door and frame quantities required (including interior borrowed lite or sidelite openings). Should any particular door, frame, or interior borrowed lite or sidelite shown on the Drawings be inadvertently omitted from this Schedule, supply same as required for similar openings.

B. The "Door Type" column designates both the door elevation and the number of leaves in the opening (e.g. A = 1 leaf, AA = 2 leaves). The "Door Width" column designates the total width of all leaves. In multiple leaf conditions, the leaves shall equally divide the "Door Width" unless noted otherwise. A "-d" modifier designates a double egress frame (e.g. AA-d = AA door type in a double egress frame).

C. Door Type "X" denotes a frame with no door such as a borrowed lite, reference Frame Elevations.

D. An asterisk (*) in a dimension denotes a width that varies, reference plans, elevations, details and schedules.

E. Verify locksets with the Owner during submittals.

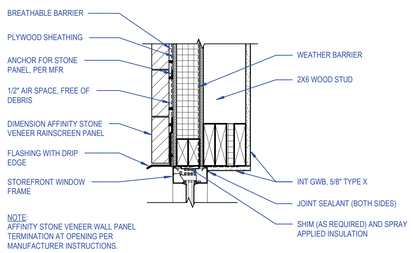
F. Set door in frame to allow for 180° door swing.

ABBREVIATIONS

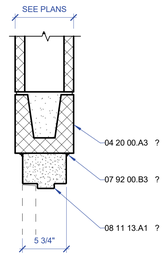
AL Aluminum
HM Hollow Metal
ST Steel
WD Wood
TG Tempered Glazing
IG Insulated Glazing
LG Laminated Glazing
FG Frosted Glazing
SP Spandrel Panel

DOOR & FRAME SCHEDULE

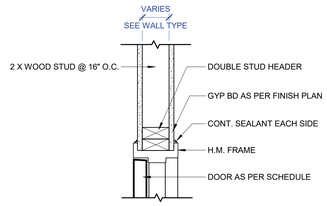
MARK	DOOR PANEL TYPE	QTY	MATL	GLAZ	SIZE H	SIZE W	SIZE TH	FRAME MARK	FRAME MATL	FRAME GLAZ	LABEL	HDWR SET	NOTES
100A	DG	1	AL	IG	7' - 0"	3' - 0"	1 3/4"	F1	AL	-	-	ACE715A	
100B	DG	1	AL	FR	7' - 0"	3' - 0"	1 3/4"	F1	AL	-	1-HR	ACE711AR	
101	N	1	WD	FR	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	1-HR	CE711R	
102	F	1	WD	-	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	1-HR	101	
103	N	1	WD	FR	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	1-HR	101	
104	N	1	WD	FR	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	1-HR	101	
105	G	1	WD	FR	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	1-HR	101	
106	N	1	WD	FR	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	1-HR	101	
107	N	1	WD	FR	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	1-HR	101	
108	F	1	WD	-	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	1-HR	341	
109	N	1	WD	FR	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	1-HR	CE201	
110	N	1	WD	FR	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	1-HR	101	
111	N	1	WD	FR	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	1-HR	101	
112	F	1	WD	-	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	1-HR	401	
113	N	1	WD	FR	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	1-HR	101	
114	F	1	WD	-	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	1-HR	401	
115	N	1	WD	FR	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	1-HR	101	
117	F	1	WD	-	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	1-HR	341	
119	F	1	HM	-	7' - 0"	4' - 0"	1 3/4"	F2	HM	-	1-HR	201W	
120	F	1	HM	-	7' - 0"	4' - 0"	1 3/4"	F1	HM	-	2-HR	711RW	
121	N	1	WD	FR	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	1-HR	401	
122	N	1	WD	FR	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	1-HR	CE201	
123A	N	1	WD	FR	7' - 0"	3' - 0"	1 3/4"	F2	HM	-	2-HR	CE201	
123B	N	1	WD	FR	7' - 0"	3' - 0"	1 3/4"	F2	HM	-	2-HR	CE201	
125	N	1	WD	FR	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	1-HR	CE201	
126	F	1	WD	-	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	-	503	
127	F	1	WD	-	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	1-HR	401	
128	F	1	WD	-	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	1-HR	401	
129	N	1	WD	FR	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	1-HR	CE201	
130	N	1	WD	TG	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	-	103	
131	N	1	WD	TG	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	-	103	
133	F	1	WD	-	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	-	203	
134	N	1	WD	TG	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	-	103	
135A	N	1	WD	FR	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	1-HR	141	
135B	N	1	WD	FR	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	1-HR	CE201	
136A	N	1	WD	FR	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	2-HR	701CR	
136B	N	1	WD	FR	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	2-HR	701R	
136C	N	1	WD	FR	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	2-HR	701R	
136D	N	1	WD	FR	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	2-HR	701CR	
137A	N	1	HM	IG	7' - 0"	3' - 0"	1 3/4"	F1	AL	-	-	ACE715A	
137B	N	1	HM	IG	7' - 0"	4' - 0"	1 3/4"	F1	AL	-	-	ACE715A	
137C	N	1	HM	IG	7' - 0"	3' - 0"	1 3/4"	F1	AL	-	-	ACE715A	
140	F	1	WD	FR	7' - 0"	3' - 0"	1 3/4"	F1	HM	-	1-HR	201W	



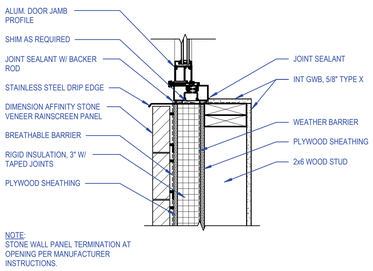
1 **STRFRNT WINDOW HEAD @ STONE RAINSCREEN**
1 1/2" = 1'-0"



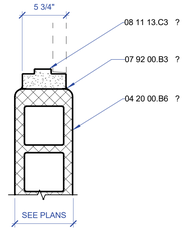
2 **INTERIOR DOOR HEAD DETAIL - BLOCK**
1 1/2" = 1'-0"



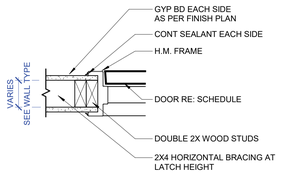
3 **DOOR HOLLOW METAL HEAD DETAIL**
1 1/2" = 1'-0"



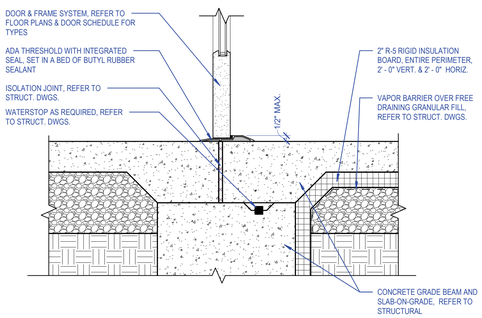
4 **EXT ALUM DOOR JAMB @ STONE RAINSCREEN**
1 1/2" = 1'-0"



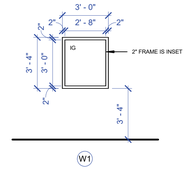
5 **INTERIOR DOOR JAMB DETAIL - BLOCK**
1 1/2" = 1'-0"

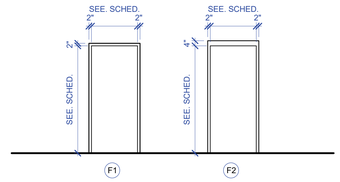


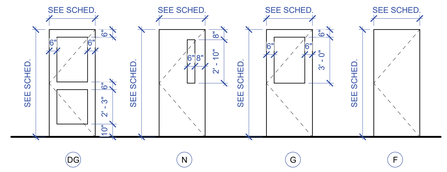
6 **DOOR HOLLOW METAL JAMB DETAIL**
1 1/2" = 1'-0"



7 **DOOR - THRESHOLD DETAIL**
1 1/2" = 1'-0"







RQAW

DCCM

BID SET

KNOX COUNTY BOARD OF COMMISSIONERS

Knox Co. Emergency Op.

2830 E. ARC AVE.
VINCENNES, IN 47591

#	Revision	Date
2	Addendum 3	2025-06-20

Project #: 24-700-155-1
Designed By: VW
Drawn By: LG & AR
Checked By: Checker
Date: 05/16/2025

DOOR SCHEDULE AND DETAILS

A-600

1 E210 FIRST FLOOR LIGHTING PLAN
1/4" = 1'-0"
0 2' 4' 8'

GENERAL NOTES - LIGHTING:

A. REFER TO SHEET E-001 FOR ELECTRICAL SYMBOLS AND ADDITIONAL GENERAL NOTES.

B. REFER TO SPECIFICATION SECTION 260519 FOR MINIMUM CONDUCTOR SIZE REQUIRED BASED ON TOTAL CIRCUIT DISTANCE.

C. CONNECT ALL EXIT AND EGRESS LIGHTING WITH A MINIMUM OF #10AWG UNLESS NOTED OTHERWISE.

D. PROVIDE ALL OCCUPANCY/VACANCY SENSOR, POWER PACKS, AND ADDITIONAL RELAYS, ETC. AS REQUIRED FOR FULL COVERAGE OF ROOMS/AREAS INDICATED TO HAVE SUCH CONTROL.

E. WALL MOUNTED EXIT LIGHTS SHALL BE MOUNTED AT LEAST 1'-0" ABOVE EXIT OPENING UNLESS NOTED OTHERWISE. CONTRACTOR TO VERIFY HEIGHT OF EXIT OPENING PRIOR TO ROUGH-IN.

F. ALL OCCUPANCY SENSOR SHALL BE DUAL TECHNOLOGY (PASSIVE INFRARED AND ULTRASONIC) UNLESS NOTED OTHERWISE.

G. SCHEDULE A MEETING WITH THE OWNER PRIOR TO PROGRAMMING OF LIGHTING CONTROL DEVICES TO DETERMINE DESIRED CONTROL, TIME DELAY SETTINGS, OCCUPANCY, ETC.

H. ALL RECESSED LIGHTING FIXTURES IN LAY-IN CEILINGS SHALL BE INSTALLED WITH A FLEXIBLE METAL CONDUIT WITH MAXIMUM LENGTH OF 6 FEET.

I. LIGHT FIXTURES THAT ARE INSTALLED WITHIN A FIRE-RATED CEILING SHALL BE PROVIDED WITH FIRE RATED COVERS IN ORDER TO MAINTAIN THE CEILING FIRE RATINGS. FIRE RATED COVERS SHALL BE COVERS SUCH AS TENMAT FIRE PROTECTION SOLUTIONS OR SIMILAR. REFER TO ARCHITECTURAL DRAWINGS FOR ALL FIRE RATED CEILING LOCATIONS AND PROVIDE COVERS ACCORDINGLY.

PLAN NOTES

#	NOTE
1	CONNECT COMPLETE LIGHT FIXTURES WITHIN THIS ROOM VIA LIGHTING CONTROL DEVICE(S) SHOWN UTILIZING CIRCUIT INDICATED.
2	CONNECT COMPLETE VIA LIGHTING CONTROL PANEL SHOWN ADJACENT TO PANEL INDICATED. REFER TO DETAIL ON DRAWING E#0 FOR ADDITIONAL INFORMATION.
3	THIS ROOM SHALL BE PROVIDED WITH A ROOM CONTROLLER TYPE LIGHTING CONTROLS: LIGHTING CONTROLLER WALL STATION SHALL PROVIDE PUSH BUTTON CONTROLS INCLUDING ON / OFF AND RAISE / LOWER DIMMING CONTROL OF EACH SWITCHLEG SHOWN IN ROOM.
4	FIXTURE SHALL OPERATE UNSWITCHED AT 50% (ALWAYS ON) OUTPUT. EXCEPT WHEN IT RECEIVES A SIGNAL FROM THE GTD FOR FULL OUTPUT.
5	PROVIDE WITH UL 924 COMPLIANT GENERATOR TRANSFER DEVICE (GTD). FIXTURES INDICATED SHALL BE UNSWITCHED AT 50% OUTPUT UNDER NORMAL OPERATION. UPON LOSS OF POWER OR ACTIVATION OF BUILDING FIRE ALARM SYSTEM. THIS DEVICE SHALL TRANSFER POWER TO, AND OPERATE AT 100% OUTPUT USWITCHED.
6	PROVIDE RED DEVICE AND COVERPLATE FOR SWITCHES THAT CONTROL THE RED LIGHTS.
7	OCCUPANCY SENSORS WITHIN THIS ROOM SHALL OPERATE AS VACANCY MODE. ROOM SHALL OPERATE AS "MANUAL ON / MANUAL OR AUTO OFF".
8	OCCUPANCY SENSORS WITHIN CORRIDOR SHALL OPERATE AS VACANCY MODE. CORRIDOR LIGHTS SHALL OPERATE AS "MANUAL ON / MANUAL OR AUTO OFF".
9	CORRIDOR SHALL BE PROVIDED WITH A ROOM CONTROLLER TYPE LIGHTING CONTROLS: LIGHTING CONTROLLER WALL STATION SHALL PROVIDE PUSH BUTTON CONTROLS INCLUDING ON / OFF AND RAISE / LOWER DIMMING CONTROL OF EACH SWITCHLEG SHOWN.

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#	Revision	Date
2	Addendum #03	06.23.2025
1	Addendum #02	06.13.2025

Project #: 24-700-155-1
Designed By: JAF
Drawn By: JAF
Checked By: DB
Date: 05/16/2025

DUSTIN E. BARTH
REGISTERED
No. 12200401
STATE OF INDIANA
PROFESSIONAL ENGINEER
Dustin Barth

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FIRST FLOOR LIGHTING PLAN

E210

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LIGHT FIXTURE SCHEDULE - INTERIOR LIGHTING

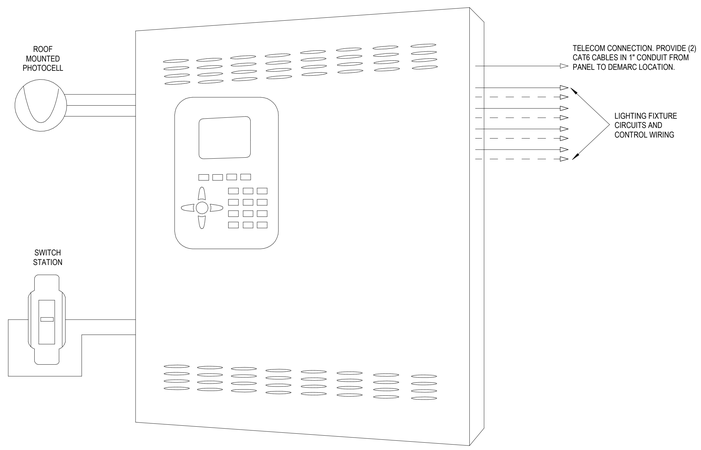
FIXTURE TYPE	FIXTURE NAME	DESCRIPTION	VOLTAGE	MAXIMUM ALLOWED WATTAGE	LAMP TYPE	COLOR TEMPERATURE	DELIVERED LUMENS	ACCEPTABLE MANUFACTURERS
F1A	LED FLAT PANEL	2'X2' LED FLAT PANEL, WHITE HOUSING, WHITE FROSTED LENS, 0-10V DIMMING.	120 V	31 W	LED	4000K	3200	LITHONIA CPX 2X2, METALUX 22CGT, COLUMBIA cbt
F1B	LED FLAT PANEL	SAME AS F1A, EXCEPT WITH A DIFFERENT LUMEN PACKAGE.	120 V	37 W	LED	4000K	4000	LITHONIA CPX 2X2, METALUX 22CGT, COLUMBIA cbt
F2	LED FLAT PANEL	2'X4' LED FLAT PANEL, WHITE HOUSING, WHITE FROSTED LENS, 0-10V DIMMING.	120 V	42 W	LED	4000K	6000	LITHONIA CPX 2X4, METALUX 24CGT, COLUMBIA CBT
F3	LED STRIP FIXTURE	4' WIDE X 4' LONG, SURFACE MOUNT OR SUSPENDED, FROSTED DROP LENS, WIDE DISTRIBUTION, DAMP LOCATION LISTED.	120 V	60 W	LED	4000K	7000	LITHONIA ZTLD, METALUX SNLED, COLUMBIA MPS
F4	4" SHOWER DOWNLIGHT	4" DIA. APERATURE, RECESSED, SHOWER LIGHT, ALUMINUM HOUSING, FROSTED LENS, UL LISTED FOR WET LOCATIONS.	120 V	18 W	LED	4000K	1500	GOTHAM EVO4SH, HALO HC4, PRESCOLITE LFR
F5	6" DOWNLIGHT (RED)	6" DIA. APERATURE, RECESSED, WIDE DISTRIBUTION, CLEAR SPECULAR REFLECTOR, 1/8" CLEAR LENS, SELF TRIM, 0-10V DIMMING.	120 V	12 W	LED	STATIC RED	450	KENALL HAD6, KIRLIN LRR-06404, KURTZON KL-SBD
FX	EXIT LIGHT	DIE CAST ALUMINUM EXIT, WHITE HOUSING, DIRECTIONAL ARROWS AND NUMBER OF FACES AS PER DRAWINGS, UNIVERSAL CEILING OR WALL MOUNT, STENCIL FACE, RED LETTERS, UL LISTED, MEETS UL924, NFPA 101, NEC, AND OSHA ILLUMINATION STANDARDS, FIVE YEAR WARRANTY.	120 V	4 W	LED			DUAL-LITE SE, LITHONIA LE, SURE-LITES CX

LIGHT FIXTURE SCHEDULE - EXTERIOR LIGHTING

FIXTURE TYPE	FIXTURE NAME	DESCRIPTION	VOLTAGE	MAXIMUM ALLOWED WATTAGE	LAMP TYPE	COLOR TEMPERATURE	DELIVERED LUMENS	ACCEPTABLE MANUFACTURERS
EX1	6" EXTERIOR DOWNLIGHT	6" DIA. APERATURE, RECESSED, WIDE DISTRIBUTION, CLEAR SPECULAR REFLECTOR, SELF TRIM, 0-10V DIMMING.	120 V	35 W	LED	3000K	3000	LITHONIA LBR6, HALO HC6, CURRENT LBSP-RD
EX4A	EXTERIOR WALL PACK	18"W X 9"D X 9"T, DIE-CAST ALUMINUM HOUSING, TYPE IV DISTRIBUTION, WET LOCATION LISTED. FINISH COLOR TO BE SELECTED BY ARCHITECT.	120 V	29 W	LED	3000K	2863	LITHONIA MRW, MCGRAW EDISON ISS, CURRENT QSP2
EX4B	EXTERIOR WALL PACK	SAME AS EX4A, EXCEPT WITH A DIFFERENT LUMEN PACKAGE.	120 V	40 W	LED	3000K	4377	LITHONIA MRW, MCGRAW EDISON ISS, CURRENT QSP2

LIGHT FIXTURE SCHEDULE - SITE LIGHTING

FIXTURE TYPE	FIXTURE NAME	DESCRIPTION	VOLTAGE	MAXIMUM ALLOWED WATTAGE	LAMP TYPE	COLOR TEMPERATURE	DELIVERED LUMENS	ACCEPTABLE MANUFACTURERS
SL4	SITE LIGHT	HEAVY DUTY, SINGLE PIECE DIE CAST ALUMINUM HOUSING, TYPE IV DISTRIBUTION. POLE SHALL BE 20FT, STRAIGHT SQUARE ALUMINUM. FINISH COLOR TO BE SELECTED BY ARCHITECT.	120 V	96 W	LED	3000K	13100	LUMARK PRV, LITHONIA RSX1, HUBBELL AIRO
SL5A	SITE LIGHT	HEAVY DUTY, SINGLE PIECE DIE CAST ALUMINUM HOUSING, TYPE V DISTRIBUTION. POLE SHALL BE 20FT, STRAIGHT SQUARE ALUMINUM. FINISH COLOR TO BE SELECTED BY ARCHITECT.	120 V	52 W	LED	3000K	7100	LUMARK PRV, LITHONIA RSX1, HUBBELL AIRO
SL5B	SITE LIGHT	SAME AS SL5A, EXCEPT DIFFERENT LUMEN PACKAGE.	120 V	96 W	LED	3000K	13100	LUMARK PRV, LITHONIA RSX1, HUBBELL AIRO



NOTES:

1. PANEL SHALL BE A 8 POLE PANEL.
2. REFER TO THE DRAWINGS FOR LIGHTING CIRCUITS TO BE CONTROLLED.
3. PROVIDE ALL REQUIRED EQUIPMENT AND ADDITIONAL CONTROL COMPONENTS AS REQUIRED FOR A COMPLETE SYSTEM.
4. THIS DRAWING IS DIAGRAMATIC IN NATURE. OTHER MANUFACTURERS MAY REQUIRE ADDITIONAL EQUIPMENT AND WIRING.
5. COORDINATE WITH THE SUCCESSFUL BIDDER AND PROVIDE ALL LABOR AND MATERIAL TO MAKE A CONTROL SYSTEM OPERATIONAL.

LIGHTING CONTROL RELAY PANEL SCHEDULE

DESCRIPTION	CIRCUIT NUMBER	RELAY	RELAY	CIRCUIT NUMBER	DESCRIPTION
SITE LIGHTING - POLE LIGHTS	COPS2:54	1	2		SPARE
EXTERIOR BUILDING LIGHTS	COPS2:56	3	4		SPARE
SPARE		5	6		SPARE
SPARE		7	8		SPARE

RELAY BOARD INPUT DESCRIPTION	INPUT	INPUT	RELAY BOARD INPUT DESCRIPTION
ROOF MOUNTED PHOTOCELL	1	2	
	3	4	
	5	6	
	7	8	
	AUX INPUT #1	AUX INPUT #2	
	AUX INPUT #3	AUX INPUT #4	
	DC OUTPUT #1	DC OUTPUT #2	

1 RELAY PANEL DETAIL
NO SCALE

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DCCM

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KNOX COUNTY BOARD OF COMMISSIONERS

Knox Co. Emergency Op.

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VINCENNES, IN 47591

#	Revision	Date
2	Addendum #03	06.23.2025
1	Addendum #02	06.13.2025

Project #: 24-700-155-1
Designed By: JAF
Drawn By: JAF
Checked By: DB
Date: 05/16/2025

DUSTIN E. BARTH
REGISTERED
No. 12200401
STATE OF INDIANA
PROFESSIONAL ENGINEER

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ELECTRICAL SCHEDULES

E600

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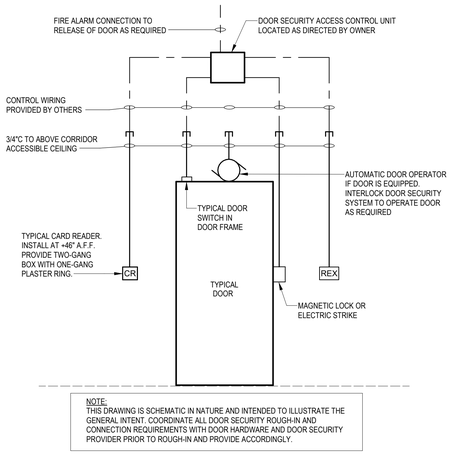
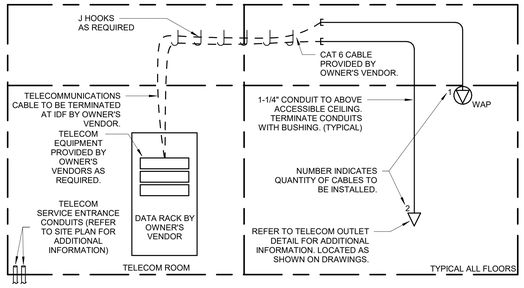


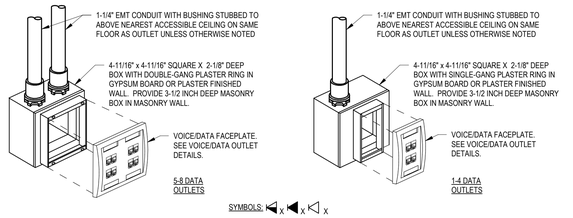
1 DOOR SECURITY ACCESS CONTROL INSTALLATION SCHEMATIC
Not to Scale

NOTES:

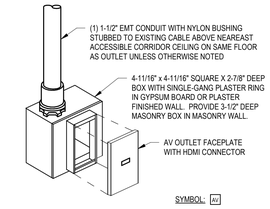
1. SUPPORTS FOR CABLES SHALL BE INDEPENDENTLY SUPPORTED. CABLE SHALL NOT LAY OVER CONDUIT, DUCTWORK, PIPING, STRUCTURAL SUPPORT MEMBERS, ETC. CABLE SHALL BE NEATLY INSTALLED PARALLEL AND AT RIGHT ANGLES TO THE BUILDING LINES, ENGINEER WILL REQUIRE CABLE TO BE REMOVED AND REINSTALLED IF IT IS NOT INSTALLED IN AN ACCEPTABLE MANNER.
2. REFER TO FLOOR PLANS FOR DEVICE LOCATIONS AND QUANTITIES.
3. PROVIDE PLENUM RATED WIRE / CABLE AS REQUIRED.
4. PROVIDE ALL REQUIRED EQUIPMENT AND MODIFICATIONS REQUIRED FOR A COMPLETE SYSTEM PER NEW DEVICE QUANTITIES AND LOCATIONS.



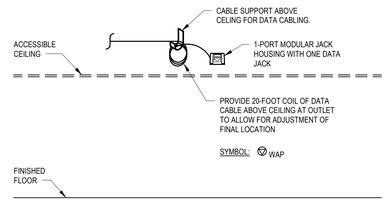
2 TELECOM SYSTEM SCHEMATIC
NO SCALE



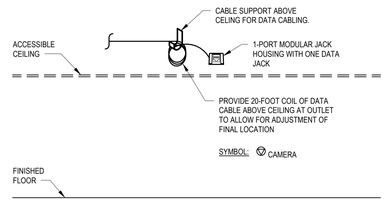
3 VOICE AND DATA OUTLET DETAIL - FLUSH IN NEW WALLS
NO SCALE



4 AUDIO/VIDEO OUTLET DETAIL
NO SCALE



5 TYPICAL WIRELESS ACCESS POINT (WAP) DATA OUTLET DETAIL
NO SCALE



6 TYPICAL SECURITY CAMERA (SC) DATA OUTLET DETAIL
NO SCALE

NOTES:

1. SHALL BE FSR PWB-100 OR WIREMOLD EVOLUTION EFSB4 WALL BOX. COORDINATE HEIGHT WITH OWNER PRIOR TO INSTALLATION. PROVIDE COMPLETE WITH MANUFACTURER'S BLANK COVERPLATE. COORDINATE INSTALLATION WITH REQUIRED BLOCKING.
2. INSTALL DUPLEX RECEPTACLE FLUSH IN BOTTOM OF BACKBOX AT THIS LOCATION.
3. STUB CONDUIT ABOVE CEILING AND EXTEND TO NEAREST ACCESSIBLE CEILING. UTILIZE SWEEPING 90 DEGREE ELBOW AND INSTALL BUSHING. PROVIDE PULL STRING.
4. CONTRACTOR SHALL PROVIDE AV ROUGH-IN BOX AND HDMI CABLE FROM BOX TO TV WHERE AV BOX IS SHOWN ON DRAWINGS.
5. EXTEND (1) 3/4" CONDUIT TO TWO GANG BACKBOX. INSTALL RECEPTACLE AS PER FLOOR PLANS.
6. PROVIDE WOOD BLOCKING AT TV LOCATIONS.

7 TYPICAL TRAINING ROOM AUDIO/VIDEO OUTLET DETAIL
NO SCALE

NOTES:

1. SHALL BE FSR PWB-100 OR WIREMOLD EVOLUTION EFSB4 WALL BOX. COORDINATE HEIGHT WITH OWNER PRIOR TO INSTALLATION. PROVIDE COMPLETE WITH MANUFACTURER'S BLANK COVERPLATE. COORDINATE INSTALLATION WITH REQUIRED BLOCKING.
2. INSTALL DUPLEX RECEPTACLE FLUSH IN BOTTOM OF BACKBOX AT THIS LOCATION.
3. STUB CONDUIT ABOVE CEILING AND EXTEND TO NEAREST ACCESSIBLE CEILING. UTILIZE SWEEPING 90 DEGREE ELBOW AND INSTALL BUSHING. PROVIDE PULL STRING.
4. ROUTE 1-1/2" CONDUIT FROM FSR PWB-273 BACK BOX TO 5" SQUARE BACK BOX FOR HDMI CONNECTION TO TV. CONTRACTOR SHALL PROVIDE AV ROUGH-IN BOX AND HDMI CABLE FROM BOX TO TV WHERE AV BOX IS SHOWN ON DRAWINGS.
5. EXTEND (1) 3/4" CONDUIT TO TWO GANG BACKBOX. INSTALL RECEPTACLE AS PER FLOOR PLANS.
6. PROVIDE WOOD BLOCKING AT TV LOCATIONS.
7. IN-GRADE FLOOR BOX.

8 TYPICAL CONFERENCE ROOM WITH FLOOR BOX AUDIO/VIDEO OUTLET DETAIL
NO SCALE

RQAW
DCCM

BID SET

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ELECTRICAL DETAILS

E802

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