



Campbell County Fiscal Court
1098 Monmouth Street, Newport, KY 41071

Invitation to Bid

I. Bid Information

- A. Bid Request: Electrical Work - AJ Jolly Park Shelter with Bathroom Structure
- B. Bid Posted: May 29, 2025
- C. Department: Park
- D. Bid opening: June 10, 2025 - 1:00 PM
- E. Location of Open: Campbell County Administration Building, Fiscal Court Chambers, 1st Floor, 1098 Monmouth Street, Newport, KY 41071

F. Bidder Information:

Bidders Name _____

Signature _____

Firm/Company _____

Firm/Co. Address _____

Firm/Co. Phone _____

Firm/Co. Email _____

II. Instructions to Bidders – Terms and Conditions

The Campbell County Fiscal Court will accept bids for Electrical Work - AJ Jolly Park Shelter with Bathroom Structure until the above-mentioned time and date.

A. Authority

1. This Invitation for Bids is issued in accordance with applicable provisions of the Campbell County Administrative Code Chapter 4 Purchasing and Contracts.
2. This is not an order. Please read all instructions, terms, and conditions carefully.

B. Transmission

1. Bids should be submitted in a sealed envelope addressed to Campbell County Finance, 1098 Monmouth Street, Suite 322, Newport, KY 41071.
2. The envelope must be clearly marked with the bid title.

3. Bids will be received at the CCFC Finance department via mail or package delivery to the reception desk on the first floor until the date specified. Late bids, those not clearly marked, or those that do not follow the instructions will not be accepted.
4. Campbell County Fiscal Court will not be held responsible for any premature opening or failure to open any bid not properly addressed and identified as stated above.

C. Instructions

1. Bid forms must be signed in blue ink with no corrective fluid or materials used.
2. One original and one copy of the bid must be submitted. Keep a copy of the bid for your records.
3. A list of qualifications and a minimum of three reference are required. Please refer to Section IX.
4. Bidders should verify their bids before submission. Errors in preparing the submission confers no right of withdrawal or modification after open.
5. Bidders are responsible for all costs associated with the preparation of response to the invitation for bids. Campbell County is not liable for any costs incurred by bidders in their response to this request.
6. A pre-bid or pre-award visit to bidder may be required at the discretion of the Owner.

D. Pricing

1. Firm prices are required.
2. All prices quoted must be F.O.B. destination shown in shipping instructions on specification.
3. Insert time discounts, if any. Time discounts will not be a factor in award determination.
4. Quotations must be submitted on the bid price sheet indicating unit price, total extension of each item, and grand total of bid.
5. Unit prices should be based on the bid specification instructions. Please direct questions to the County at 859-547-1827 prior to submitting a bid.
6. Trade discounts must be deducted by the vendor in calculating the unit price. The unit price must be net.
7. CCFC is sales and use tax exempt.

E. Warranty

The selected Bidder shall provide warranty on any services and materials found to be defective or faulty due to imperfect or bad workmanship/materials within one year from the date of completion at no additional cost to the County. This warranty does not change or void any warranties expressed or implied to which the purchase is subject.

F. Regulatory Compliance

1. Pursuant to the provisions of KRS 45A.343, the contractor or vendor is required to reveal to Campbell County Fiscal Court any final determination of a violation of KRS Chapters 136, 139, 141, 337, 338 and 342 by the contractor or vendor within the previous five (5) years; and further that said contractor or vendor has been and is in continuous compliance with the provisions of KRS Chapters 136, 139, 141, 337, 341, and 342 for the duration of the contract. The failure of a contractor or vendor to reveal a final determination of a violation to a local government, or to comply with the statutory requirements, is considered grounds for cancellation of a contract and disqualification of the contractor or vendor from eligibility for any Campbell County Fiscal Court contracts for a period of two (2) years.
2. All bidders must possess all federal, state, and local qualifications licenses to provide products or services in Campbell County, the Commonwealth of Kentucky, and the United States. ***Please note: Insurance requirements in Section III, Item J of the bid specifications must be met by the awarded bidder.***

- a. Including, but not limited to
 - i. Business license issued by the Occupational License Department of Campbell County (see County website for application)
 - ii. Hazardous Communication Program (OSHA)
 - iii. Workers' Compensation Certificate
 - iv. Liability Insurance
3. Successful bidder shall comply with the Kentucky Human Rights Act, HRA 344.150-344.270 as amended and any rules and regulations promulgated therewith, including, but not limited to the Equal Employment Opportunity EEO 45.550 – 45.640 which is incorporated herein by reference. Furthermore, the successful bidder shall comply with the Employment Discrimination Act, EDA 344.040, 344.050 as amended.
 Per Title VI of the Civil Rights Act of 1964, no person in the United States shall, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be otherwise be subjected to discrimination under any program or activity for which a project, contractor/vendor or the county may receive federal financial assistance.
4. The scoring of this bid is subject to reciprocal preference for Kentucky resident bidders. Bidders not claiming resident bidder status need not submit the corresponding affidavit.

G. Bonds

1. Bid bonds, performance bonds, and payment bonds as prescribed by KRS 45A.430, 435, 440 are required for any bids/proposals that exceed \$99,999. Each bid, or the combination of submitted bids, over \$99,999 must be accompanied by a 5% bid bond of the grand total of the bid. The bid bond of the successful bidder will be retained until a performance bond has been executed and approved, after which the bid bond will be returned. The successful bidder will be required to post a performance bond in the amount of 100% of the bid if awarded a contract over \$99,999. Bonding and surety requirements may vary by project/commodity. Please contact Owner for more information.

H. Reserved Rights

1. Campbell County Fiscal Court reserves the right to reject any or all bids, including without limitations the right to reject any or all nonconforming, non-responsive, incomplete, unbalanced, or conditional bids, to waive formalities, and to reject the bid of any Bidder if CCFC believes that it would not be in the best interest of Campbell County Fiscal Court to make an award to that Bidder. CCFC also reserves the right to negotiate with the apparent qualified Bidder to such an extent as may be determined by Campbell County Fiscal Court.
2. CCFC reserves the right of renewal for any service and maintenance contracts that may be needed for a minimum of two (2) one (1) year periods.
3. In the event the successful bidder fails to commence substantial work on the project within thirty (30) days and the County does not waive this requirement, the County shall have the option to reject the bid and to void the contract, and in such event to either accept the next lowest and best bidder or to negotiate with the best qualified bidder
4. In the event the successful bidder fails to complete the project by the completion date and the County has not waived this requirement in writing, the County shall receive from the bidder (or withhold from the bidder, at its option) liquidated damages of 3% of total bid per project per calendar day.
5. All the terms and conditions of these instructions to bidders and the specifications for this project shall constitute, the part of, and incorporate into, the contract between the County and the successful bidder.

I. Award

It is the intent of Campbell County Fiscal Court to award a contract to the lowest responsible bidder meeting specifications. CCFC reserves the right to determine the lowest responsible bid/offer in any way determined to be in the best interests of Campbell County. Award will be based on the following factors (where applicable): (a) adherence to all conditions and requirements of the bid/proposal specifications; (b) price; (c) qualifications of the bidder, including past performance, financial responsibility, general reputation, experience, service capabilities, and facilities; (d) delivery or completion date; (e) product appearance, workmanship, finish, taste, feel, overall quality, and results of product testing; (f) maintenance costs and warranty provisions; and (g) repurchase or residual value.

III. General Conditions

A. Specifications

No deviation from these specifications will be permitted except upon written permission from the Owner. The Owner is to be the final judge as to the interpretation of the specifications.

B. Workmanship and Materials

All materials unless otherwise specified shall be new. Materials and workmanship shall be of good quality. The work of construction shall be carried out in a substantial manner, subject to the monitoring by the Campbell County Fiscal Court, hereinafter "CCFC".

C. Additions or Omissions

CCFC reserves the right to make alterations, additions to or omissions from the specifications. Should CCFC require additional work, an addendum outlining the scope of work will be submitted to the Contractor who may provide a written schedule of extra cost. CCFC may accept or reject the addendum proposal. An accepted addendum shall not be considered as a waiver of any condition of the contract nor invalidate any of the provisions nor be a release of the performance bond. No allowance will be made for extra work not authorized by CCFC. All work or materials shown on the plans and not mentioned in the Bid Documents, or any work mentioned in the Bid Documents and not shown on the plans, shall be furnished, performed and completed by the Contractor as if the same were mentioned both in the Bid Documents and shown on the plans.

D. Supervision and Equipment

The Contractor, in addition to his own personal supervision, shall keep constantly employed on the work, a thoroughly competent foreman. The Contractor shall furnish adequate tools and mechanical equipment necessary for the proper execution of the work to be performed.

E. Order of Work

The Contractor shall proceed with the various items of work in such a manner that other items of work will not be endangered. The Contractor shall, after starting work, carry the work quickly to completion.

F. Loss of Accident

The Contractor shall assume all risks and bear any loss occasioned by neglect, accident or other cause until work is complete and accepted by the CCFC. The Contractor shall maintain all necessary barriers and lights for the protection of the public and for the protection of the work. The Contractor will be held responsible for damage to adjoining property.

The Contractor shall indemnify and save harmless CCFC and duly authorized agents from any and all claims and all loss or damage suits, judgments, fines or sums of money accruing or claimed to accrue, to any person, corporation, municipality, firm or company against the property or any violation of laws or

regulations, howsoever resulting, growing out of or claimed to grow out of, any act or omission of, or method pursued, or hazard encountered by the Contractor including his agents, servants or employees in or about the work herein undertaken to be done by the Contractor. The Contractor must further save harmless CCFC against any and all claims or liens placed against said work by any laborer, material supplier or finisher.

G. Approval

CCFC shall approve all workmanship and material before the work is considered complete.

H. Removal of Excess Soil, Rubbish and Equipment

The Contractor shall upon completion remove all excess soil, rubbish, debris and equipment from the premises and leave said premises in a neat and clean condition.

I. Payments

Payment shall be made within thirty (30) days after completion and final acceptance of the work by the CCFC. No payment shall be made for any unauthorized work.

J. Insurance

Contractor shall submit a "Certificate of Insurance" showing proof of Kentucky's Workmen's Compensation Insurance and Liability insurance of not less than \$500,000.00 prior to the County issuing a Purchase Order for the project.

K. Contract

The successful bidder may be required to enter into a contract for the work with the Campbell County Fiscal Court.

IV. Special Conditions

A. Scope of Work

The work to be performed under this contract consists of furnishing all materials, equipment, supplies, labor and transportation, including fuel, power, and water, and performing all work as required in Item E, Statement of Work, of this section.

B. Site Visit

Prior to beginning any work on the project, the Contractor is recommended to schedule and have a site visit with representatives of CCFC. Contact Mike Braun at 859-743-4145 to schedule the site visit.

C. Existing Utilities

Before proceeding with the work, the Contractor shall confer with all public or private companies, agencies, or departments that own and operate utilities in the vicinity of the construction work. The purpose of this conference, or conferences, shall be to notify said companies, agencies, or departments of the proposed construction schedule, verify the location of the possible interference with the existing utilities, arrange for necessary suspensions of service and make arrangements to locate and avoid interference with all other utilities. CCFC has no objection to the Contractor arranging for the said utility companies, agencies, or departments to locate and uncover their own utilities; however, insofar as CCFC is concerned, the Contractor shall bear the entire responsibility and expense for locating and avoiding or repairing damage to said existing utilities.

Where existing utilities or other underground structures are encountered, they shall not be displaced or molested unless necessary, and in such case they shall be replaced in as good or better condition than found as quickly as possible. All such utilities that are so damaged or molested shall be replaced at the

Contractor's expense, unless in the opinion of CCFC, such damage was caused through no fault of the Contractor.

It is expected that the Contractor will be diligent in his/her efforts and use every possible means to locate existing utilities. Any claims for unavoidable damage, based on improper or unknown locations, will be thoroughly examined in the light of the Contractor's efforts to locate the utilities or obstructions prior to beginning construction.

D. Statement of Work

The following items are to be completed under this contract. The summation of these items is for the contractor to act as subcontractor to CCFC staff (general contractor). Electrical work and installation will be required at the new shelter and two new restrooms after CCFC staff performs concrete and carpentry work. The selected sequence should be such that no task detracts from or damages a previous task, or prohibits the proper completion of a subsequent task. Plans and drawings for project are attached.

Work location in this contract is as follows: 1501 Racetrack Rd., Alexandria, KY 4101

V. Bid Specifications

- A.** General scope of work is as defined above under Section IV. E: Statement of Work.
- B.** All supplies and materials to be furnished by electrical sub-contractor.
- C.** Room 101 will have an additional outlet for the ADA changing table.
- D.** Exhaust fans supplied and installed by electric contractor (duct work by CCFC).
- E.** OEC is the electric supplier. Electric contractor to supply and install 175LF of 3" schedule 40 conduit with 2 schedule 80 sweep 90's. Ditch laid out by GC.
- F.** Electric permit by electrical contractor.
- G.** CCFC is the G.C.

VI. Bid Sheet

Date of site visit to confirm existing conditions: _____

Total Bid: _____

Begin Construction Date: _____

End Construction Date: _____

Name: _____

Company: _____

Signature: _____

Date: _____

VII. Authentication of Bid and Affidavit of Non-collusion and Non-conflict of Interest

I hereby swear (or affirm) under the penalty for false swearing as provided by KRS 432.170: That I am the bidder (if the bidder is an individual, a partner (if the bidder is a partnership) or an officer or employee of the bidding corporation having authority to sign on its behalf (if the bidder is a corporation);

That the attached bid or bids covering Campbell County Fiscal Court, has been arrived at by the bidder independently and have been submitted without collusion with, and without any agreement, understanding or planned common course of action with any other vendor or materials, supplies, equipment or services described in the invitation to bid, designed to limit independent bidding or competition;

That the contents of the bid or bids have not been communicated by the bidder or its employees or agents to any person not an employee or agent of the bidder or its surety on any bond furnished with the bid or bids and will not be communicated to any such person prior to the official opening of the bid or bids;

That the bidder is legally entitled to enter into the contracts with the Campbell County Fiscal Court and is not in violation of any prohibited conflict of interest, including those prohibited by the provisions of KRS 164.390, 16.092, 61.096 and 42.990; and

(Applicable to corporations only) That as a foreign corporation we are registered with the Secretary of State, Commonwealth of Kentucky, and authorized to do business in the State _____ or,
That as a domestic corporation we are in good standing with the Secretary of State, Commonwealth of Kentucky _____. (Check the statement applicable.

That I have fully informed myself regarding the accuracy of the statements made in this affidavit.

NOTICE

Any agreement of collusion among bidders or prospective bidders which restrains, tend to restrain, or is reasonably calculated to restrain completion by agreement to bid at a fixed price, or to refrain from bidding or otherwise, is prohibited. The provision of KRS 355.080 and 305.000 which permit the regulation of resale price by contract do not apply to sales to the State, no sales to Local Governments.

Any person who violates any provisions of Kentucky Revised Statue 42.076 shall be guilty of a felony and shall be punished by a fine not less than five thousand dollars nor more than ten thousand dollars, or be imprisoned not less than one year no more than five years, or both such fine and imprisonment. Any firm, Corporation or association which violates any of the provision of KRS 42.076 shall, upon conviction, be fined not less than ten thousand dollars no more than twenty thousand dollars.

In submitting this bid on the Bid Price Sheet, it is expressly agreed that upon proper acceptance by the Campbell County Fiscal Court of any or all items bid, a contract shall hereby be created with respect to the items accepted.

Signed by: _____ Date _____

Firm/Company _____

Address _____

Phone _____

VIII. Required Affidavit for Bidders, Offerors, and Contractors Claiming Resident Bidder Status

For Bids and Contracts in General:

The bidder or offeror hereby swears and affirms under penalty of perjury that, in accordance with KRS 45A.494(2), the entity bidding is an individual, partnership, association, corporation, or other business entity that, on the date the contract is first advertised or announced as available for bidding:

1. Is authorized to transact business in the Commonwealth;
2. Has for one year prior to and through the date of advertisement
 - a. Filed Kentucky corporate income taxes;
 - b. Made payments to the Kentucky unemployment insurance fund established in KRS 341.49; and
 - c. Maintained a Kentucky workers' compensation policy in effect.

The BIDDING AGENCY (Campbell County Fiscal Court) reserves the right to request documentation supporting a bidder's claim of resident bidder statue. Failure to provide such documentation upon request shall result in disqualification of the bidder or contract termination.

Signature

Printed Name

Title

Date

Company Name: _____

Address: _____

Subscribed and sworn to before me by: _____
Affiant Title

of _____ this _____ day of _____, 20____.
(Company Name)

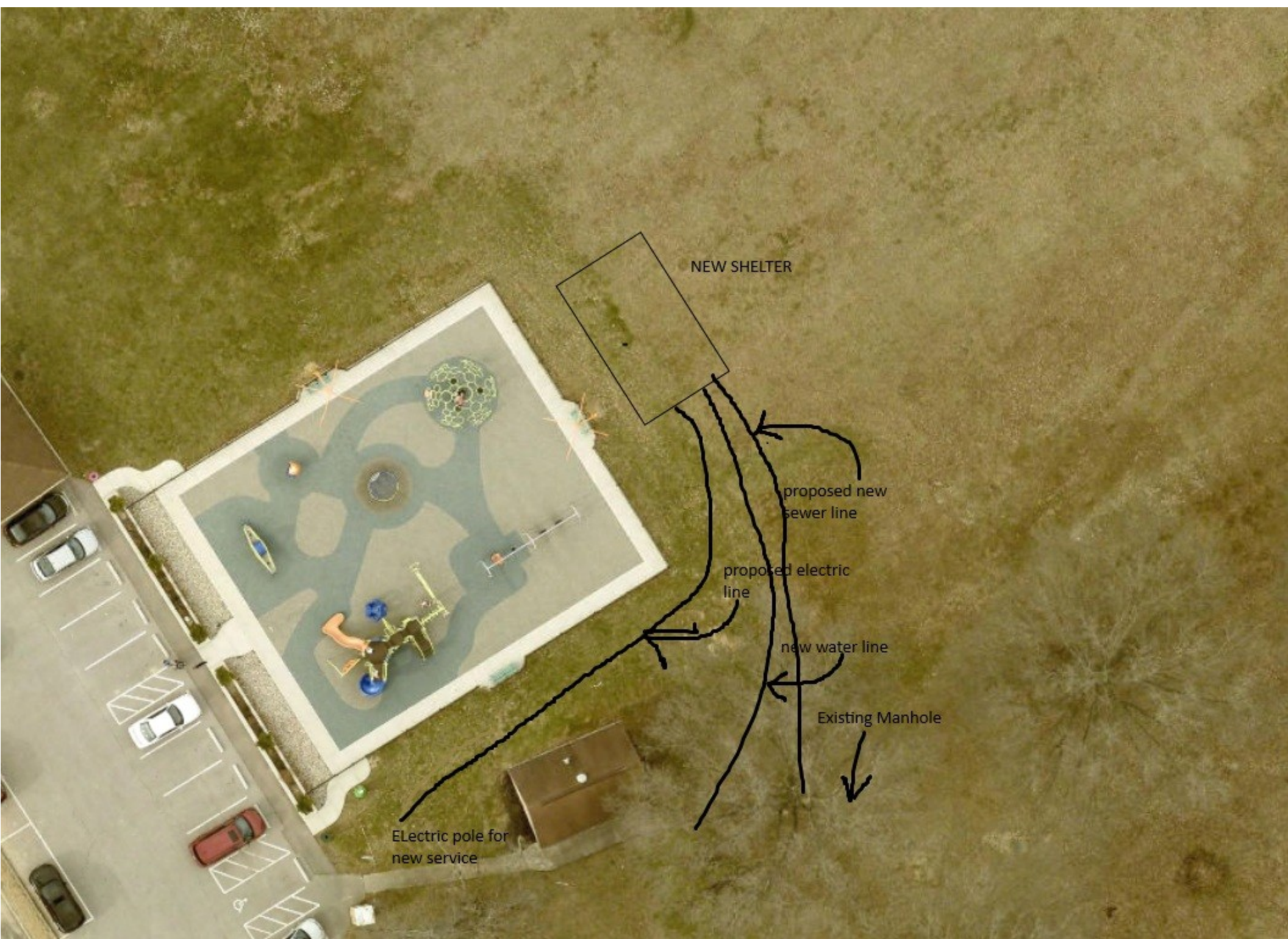
Notary Public

____/____/____
My commission expires

IX. References/List of Relevant Work

1. Attach additional sheets if necessary

Project:	
Client:	
Contact Name:	
Phone Number:	
Email:	
Description of Work Performed:	
Project:	
Client:	
Contact Name:	
Phone Number:	
Email:	
Description of Work Performed:	
Project:	
Client:	
Contact Name:	
Phone Number:	
Email:	
Description of Work Performed:	



NEW SHELTER

proposed new
sewer line

proposed electric
line

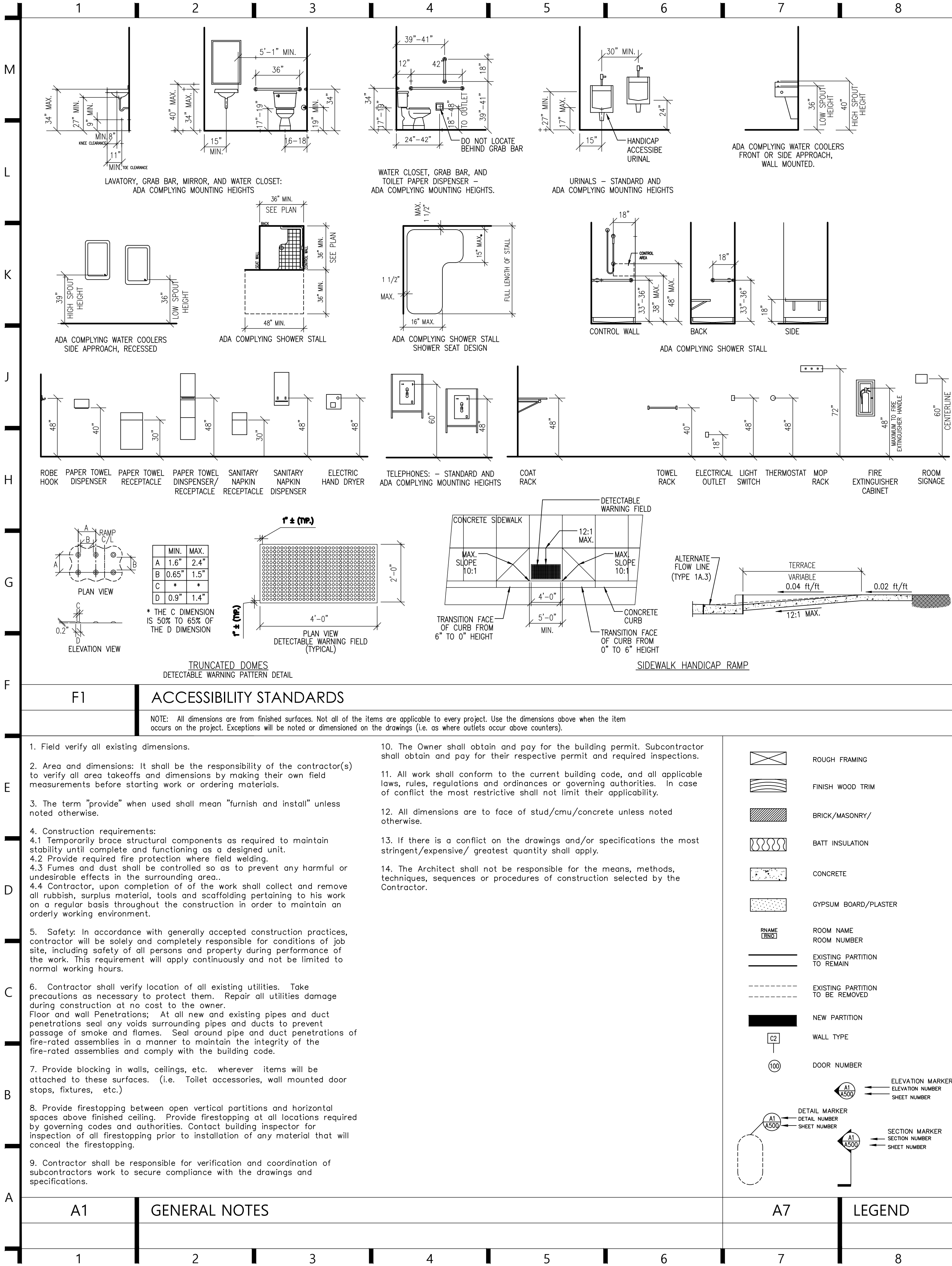
new water line

Existing Manhole

Electric pole for
new service

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P:\20XX\PR20XX-XXX-XX06-DRAWINGS



EmbossDesign.com 906 Monmouth Street,
(859)431-8612 Newport, KY 41071



ISSUE	NO.	DATE	DESCRIPTION
		03/13/2025	95% CD

NEW SHELTER BLDG.
A.J. JOLLY PARK

1501 RACE TRACK ROAD
ALEXANDRIA, KY 41001

COVER SHEET

2025-002

G100

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

GENERAL STRUCTURAL NOTES

COPIES OF PUBLICATIONS REFERENCED IN THESE GENERAL STRUCTURAL NOTES ARE AVAILABLE FOR REVIEW AT ADVANTAGE GROUP ENGINEERS, INC. CONTRACTORS UNFAMILIAR WITH THESE PUBLICATIONS MUST REVIEW THEM PRIOR TO CONSTRUCTION.

GOVERNING CODE

KENTUCKY BUILDING CODE – 2018

CLASSIFICATION OF BUILDING STRUCTURE
CATEGORY I, TABLE 1604.5

DESIGN LOADS

- ROOF LOAD:
 - MINIMUM LIVE LOAD OR SNOW LOAD (P_f): 20 PSF*
 - TOP CHORD DEAD LOAD: 10 PSF**
 - BOTTOM CHORD DEAD LOAD: 10 PSF
- SNOW LOAD:
 - GROUND SNOW LOAD, P_g = 20 PSF MODIFIED BY APPLICABLE DRIFT COEFFICIENTS.
 - FLAT ROOF SNOW LOAD, P_f = 17 PSF MODIFIED BY APPLICABLE BUILDING COEFFICIENTS.
 - SNOW LOAD IMPORTANCE FACTOR I = 1.00
 - SNOW EXPOSURE FACTOR C_e = 1.0
 - THERMAL FACTOR, C_t = 1.00
- WIND LOAD:
 - MAIN WINDFORCE - RESISTING SYSTEM: 115 MPH PER ASCE 7-10 (3-SECOND GUST- LOAD RESISTANCE FACTORED DESIGN).
 - WIND EXPOSURE C
 - WIND LOAD IMPORTANCE FACTOR I_w = 1.00
 - BASIC WIND VELOCITY PRESSURE, q_h = 17.64 PSF.
 - INTERNAL GUST PRESSURE COEFFICIENT G_{CP} = 0.18, ENCLOSED BUILDING.

- LOADS:
 - INTERIOR FINISH: 5 PSF HORIZONTAL LOAD.
 - HANDRAILS: 200 POUNDS CONCENTRATED LOAD AT ANY POINT IN ANY DIRECTION OR 50 PLF UNIFORM LOAD IN ANY DIRECTION.

SPECIAL INSPECTIONS

PER THE REQUIREMENTS OF CHAPTER 17 SECTION 1704.1 OF THE REFERENCED BUILDING CODE, SPECIAL INSPECTION IS REQUIRED FOR THE PROPOSED BUILDING CONSTRUCTION. SPECIAL INSPECTION INVOLVES THE VERIFICATION OF COMPLIANCE OF MATERIALS, INSTALLATION, FABRICATION, ERECTION AND OR PLACEMENT OF COMPONENTS WITH THE OFFICIAL SET OF CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS. SPECIAL INSPECTION IS PART OF THE PERMIT APPLICATION PROCESS FUNDED BY THE OWNER OR OWNER'S AGENT.

A STATEMENT OF SPECIAL INSPECTION LISTING THE REQUIREMENTS ALONG WITH A SCHEDULE OF TESTING, SUBMITTAL REVIEWS, AND FIELD OBSERVATION REQUIREMENTS HAS BEEN PREPARED BY THE STRUCTURAL ENGINEER OF RECORD IN ACCORDANCE WITH SECTION 106.1 OF THE BUILDING CODE. THIS STATEMENT INCLUDES A COMPLETE LIST OF MATERIAL AND ACTIVITY REQUIRING INSPECTION. IT IS THE RESPONSIBILITY OF ALL PARTIES TO BECOME FAMILIAR WITH THIS REQUIREMENT AND UNDERSTAND THE GUIDELINES AND REQUIREMENTS OF EACH PARTY INVOLVED WITH THE CONSTRUCTION. A COPY OF THE STATEMENT OF SPECIAL INSPECTION IS AVAILABLE UPON REQUEST. THE SPECIAL INSPECTOR COORDINATOR SHALL COORDINATE WITH THE OWNER, CONTRACTOR AND THE DESIGN PROFESSIONALS AND SCHEDULE THE INSPECTIONS ACCORDINGLY.

SUBSTITUTIONS, SUBMITTALS, AND RFIS

- CONTRACTOR SHALL SUBMIT ALL SUBSTITUTIONS FOR APPROVAL PRIOR TO CONSTRUCTION WITH THE FOLLOWING INFORMATION:
 - THE SCOPE, EXTENT, AND ALL LOCATIONS EFFECTED BY THE PROPOSED SUBSTITUTION.
 - SPECIFIC DRAWING OR SPECIFICATION REFERENCES FOR THE ORIGINAL PRODUCT OR SYSTEM SPECIFIED.
 - THE REASON FOR THE PROPOSED CHANGE.
 - COST SAVINGS AND/OR IMPACT ON SCHEDULE.
 - IMPACT ON ANY GUARANTEES OR WARRANTY ASSOCIATED WITH THE PRODUCT OR SYSTEM.
 - COORDINATION REQUIRED WITH OTHER TRADES OR ADJACENT MATERIALS.
 - ANY AND ALL DEVIATIONS FROM THE SPECIFIED REQUIREMENTS.
- SHOP DRAWING SUBMITTALS SHALL BE SUBMITTED BY THE GENERAL CONTRACTOR IN A TIMELY MANNER TO PROVIDE AN ADEQUATE AMOUNT OF TIME FOR REVIEW.
 - ALL SUBMITTALS MUST BE REVIEWED BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTING FOR REVIEW. ANY SHOP DRAWINGS RECEIVED THAT DO NOT BEAR THE STAMP OF THE GENERAL CONTRACTOR AS WELL AS CLEAR EVIDENCE THAT THE SUBMITTAL HAS BEEN REVIEWED WILL BE REJECTED WITHOUT REVIEW.
 - REVIEW BY STRUCTURAL ENGINEER OF RECORD WILL BE FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS AND CONFORMANCE WITH THE DESIGN CONCEPT. THIS REVIEW DOES NOT IN ANYWAY RELIEVE THE CONTRACTOR AND/OR THE CONTRACTOR'S SUBCONTRACTORS FROM RESPONSIBILITY FOR ERRORS OR DEVIATIONS FROM THE CONTRACT REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL DIMENSIONS, PROPER FIT, QUALITIES OF THE MATERIALS, AND COORDINATION WITH OTHER TRADES AND SUPPLIERS.

- REQUESTS FOR INFORMATION (RFI'S) SHALL BE SUBMITTED IN A TIMELY MANNER WHEN INFORMATION IS MISSING FROM THE CONSTRUCTION DOCUMENTS, INFORMATION IS CONFLICTING WITHIN THE CONSTRUCTION DOCUMENTS, OR IS AMBIGUOUS.
 - THE CONTRACTOR MUST USE DUE DILIGENCE IN ATTEMPTING TO FIND ANY ANSWER PRIOR TO SUBMITTING AN RFI.
 - IF THE INFORMATION REQUESTED IN AN RFI IS APPARENT FROM FIELD OBSERVATION, IS CONTAINED IN THE CONSTRUCTION DOCUMENTS, OR IS REASONABLY INFERABLE FROM THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE TO THE OWNER FOR ALL REASONABLE COSTS CHARGED RELATED TO ADDITIONAL SERVICES INCURRED DUE TO ANSWERING THE RFI.

CONSTRUCTION AND SAFETY

- CONTRACTOR SHALL BRACE ENTIRE STRUCTURE AS REQUIRED TO MAINTAIN STABILITY UNTIL COMPLETE AND FUNCTIONING AS THE DESIGNED UNIT.
- ENGINEER SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY CONTRACTOR.
- THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. WHEN ON SITE, THE ENGINEER IS RESPONSIBLE FOR HIS OWN SAFETY BUT HAS NO RESPONSIBILITY FOR THE SAFETY OF OTHER PERSONNEL OR SAFETY CONDITIONS AT THE SITE.

FOUNDATIONS

- SOIL CONDITIONS
 - PER CLIENT'S REQUEST, THE FOUNDATION DESIGN AND GENERAL FOUNDATION NOTES ARE BASED ON THE ASSUMPTION OF FAVORABLE SOIL CONDITIONS. THE OWNER SHALL RETAIN A GEOTECHNICAL ENGINEER TO VERIFY DESIGN ASSUMPTIONS PRIOR TO FOUNDATION INSTALLATION. THE COST FOR THE GEOTECHNICAL ENGINEER SHALL BE IDENTIFIED AS A SEPARATE ITEM ON THE CONTRACTOR'S BID. THE CONTRACTOR SHALL SUBMIT COPIES OF THE GEOTECHNICAL ENGINEER'S REPORT TO ADVANTAGE GROUP ENGINEERS.
- BOTTOM OF FOUNDATION ELEVATION INDICATED ARE FOR BIDDING PURPOSES AND MAY BE LOWERED TO SUIT SUB-SURFACE SOIL CONDITION. BEARING STRATA SHALL BE APPROVED BY A GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE. PROVIDE ENGINEERED FILL OR FLOWABLE FILL CONCRETE (500 PSI) UNDER FOUNDATIONS AT SOFT SPOTS AND FOR EXTENDING EXCAVATION TO ADEQUATE BEARING MATERIAL. INSTALL FOUNDATIONS AT DESIGNED ELEVATIONS.
- FOOTINGS AND GRADE BEAMS MAY BE PLACED WITHOUT SIDE FORMS IF EXCAVATED WALLS STAND APPROXIMATELY VERTICAL.
- ALL FOOTINGS SHALL BEAR ON LEVEL (WITHIN 1 IN 12) UNDISTURBED SOIL OR APPROVED ENGINEERED FILL. FOUNDATIONS HAVE BEEN DESIGNED FOR A MAXIMUM SOIL BEARING PRESSURE OF 2000 PSF BELOW STRIP FOOTINGS AND 2500 PSF BELOW ISOLATED COLUMN FOOTINGS.
- CONTRACTOR SHALL CONTACT UTILITY COMPANIES FOR LOCATING UNDERGROUND SERVICES AND IS RESPONSIBLE FOR THEIR PROTECTION AND SUPPORT.
- COMPACTION:
 - ALL FILL MATERIALS SHALL BE APPROVED BY A GEOTECHNICAL CONSULTANT.
 - ENGINEERED FILL BENEATH FOOTINGS: MINIMUM COMPACTION 98% STANDARD PROCTOR DENSITY AT THE OPTIMUM MOISTURE CONTENT.
 - BACKFILL AGAINST FOUNDATION WALLS ALONG INTERIOR FACE OF FOUNDATION WALLS SHALL BE CLAYEY MATERIAL COMPACTED IN 6" LIFTS TO 95% STANDARD PROCTOR DENSITY OR CONCRETE WITH A COMPRESSIVE STRENGTH OF f_c = 500 PSI.
 - BACKFILL ALONG EXTERIOR FACE OF SHALLOW WALL FOUNDATIONS TO BE COMPACTED CLAYEY MATERIAL; COMPACT TO 95% STANDARD PROCTOR.
 - FILL BELOW FLOOR SLABS TOP 12" OF SUBBASE BELOW INTERIOR FLOOR SLAB TO BE PROOF ROLLED TO 98% STANDARD PROCTOR DENSITY PRIOR TO PLACEMENT OF SLAB.
- ALL AREAS WITHIN THE FOOTPRINT OF THE BUILDING, INCLUDING UTILITY TRENCHES, MUST BE FREE OF ANY WET AND/OR SOFT AREAS PRIOR TO PLACEMENT OF FILL MATERIAL OR SLAB.
- SEAL UTILITY TRENCH AT THE EXTERIOR FOUNDATION WALL BY USING A COMPACTED CLAYEY BACKFILL OR LEAN CONCRETE TO CREATE A DAM TO PREVENT ENTRY OF WATER.
- FINISHED GRADE SHALL SLOPE AWAY FROM THE PERIMETER FOUNDATION.

CONCRETE

- CONCRETE WORK AND TESTING SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", EXCEPT AS MODIFIED BY THE SUPPLEMENTAL REQUIREMENTS BELOW. REPORTS FROM TESTS REQUIRED BY SECTION 1.6 OF ACI 301 SHALL BE SUBMITTED TO STRUCTURAL ENGINEER, ARCHITECT, OWNER, CONTRACTOR, CONCRETE SUPPLIER, AND BUILDING OFFICIAL.
- CONCRETE WORK IN COLD WEATHER SHALL CONFORM TO ALL REQUIREMENTS OF ACI 306.1 "STANDARD SPECIFICATION FOR COLD WEATHER CONCRETING" AND ACI 306R "COLD WEATHER CONCRETING".
- CONCRETE WORK IN HOT WEATHER SHALL CONFORM TO ALL REQUIREMENTS OF ACI 305R "HOT WEATHER CONCRETING". THE AIR TEMPERATURE, RELATIVE HUMIDITY, CONCRETE TEMPERATURE, AND WIND VELOCITY SHALL BE ENTERED INTO THE NOMOGRAPH OF THIS REFERENCE TO DETERMINE IF PRECAUTIONS AGAINST PLASTIC SHRINKAGE ARE REQUIRED.
- CONCRETE MIX DESIGNS SHALL BE SUBMITTED FOR EACH TYPE OF CONCRETE TO THE OWNER FOR REVIEW & FOR APPROVAL IN ACCORDANCE WITH ACI 301 SECTION 4.2.3.4 FIELD TEST DATA OR TRIAL MIXTURES.
- SUBMIT SHOP DRAWINGS OF REINFORCING STEEL.
- MATERIALS: (f_c BASED ON 28 DAY UNLESS NOTED)

- CONCRETE UNLESS NOTED: f_c = 4000 PSI., NORMAL AGGREGATE.
- CONCRETE FOR INTERIOR FLOOR SLABS: f_c = 4000 PSI AT 28 DAYS, 1800 PSI AT 3 DAYS, NORMAL WEIGHT AGGREGATE, MINIMUM PORTLAND CEMENT CONTENT PER ACI 301 TABLE 4.2.2.1, WATER NOT PERMITTED TO BE ADDED AT THE SITE, HRWR ADMXTURE REQUIRED, MAXIMUM WATER/CEMENTITIOUS RATIO = 0.50.
- CONCRETE FOR EXTERIOR FLAT WORK, WALKS, ETC.: f_c = 4500 PSI, (4.5% TO 7.5% ENTRAINED AIR), MINIMUM PORTLAND CEMENT CONTENT = 520 #/CY, MAXIMUM WATER/CEMENTITIOUS RATIO = 0.45.
- CONCRETE FOR FOUNDATION WALLS AND RETAINING WALLS WITH EXTERIOR EXPOSURE: f_c = 4000 PSI, (4.5% TO 7.5% ENTRAINED AIR), MAXIMUM WATER/CEMENTITIOUS RATIO = 0.50.
- CONCRETE FOR FOOTINGS: f_c = 3000 PSI.
- CONCRETE FOR DRILLED PIERS: f_c = 3000 PSI.
- REINFORCING STEEL: ASTM A615 OR ASTM 996 (AXLE ONLY) 60 KSI YIELD DEFORMED BARS AND ASTM A185 MESH, FLAT SHEETS ONLY.
- FLY ASH: ASTM C618, TYPE F OR C. FLY ASH-TO- TOTAL CEMENTITIOUS RATIO SHALL NOT EXCEED 25% MAXIMUM.
- GROUND GRANULATED BLAST FURNACE SLAG: ASTM C989. TOTAL GROUND GRANULATED BLAST FURNACE SLAG -TO- TOTAL CEMENTITIOUS RATIO SHALL NOT EXCEED 50% MAXIMUM.
- HIGH RANGE WATER REDUCER (HRWR) ADMXTURE: ASTM C494.
- CHLORIDE CONTENT OF CONCRETE: LIMIT TOTAL CHLORIDE ION CONTENT TO AMOUNT INDICATED IN TABLE 4.2.2.6 OF ACI 318. ADMXTURES CONTAINING CHLORIDE ARE NOT PERMITTED IN REINFORCED CONCRETE OR CONCRETE CONTAINING METALS.

- SLUMP SHALL BE MEASURED PRIOR TO THE ADDITION OF HRWR.
- LAP SPLICE REINFORCING BARS 48 BAR DIAMETERS UNLESS NOTED OTHERWISE:
- BAR CLEARANCES BETWEEN ADJACENT BARS AND FORMWORK SHALL BE AS NOTED ON THE DRAWINGS OR A MINIMUM AS PER ACI REQUIREMENTS.
- AT CORNERS AND INTERSECTIONS OF FOOTINGS, WALLS AND GRADE BEAMS, PROVIDE BENT BARS OF EQUAL SIZE AND AT SAME SPACING AS TYPICAL REINFORCING AROUND CORNER AND/OR INTO ABUTTING WALL OR GRADE BEAM. BARS SHALL HAVE EMBEDMENT OF 30 DIAMETERS (18" MIN.).
- SEE ARCHITECTURE PLAN FOR SLAB FINISH. CURE USING A METHOD RECOMMENDED BY ACI 302.1R (GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION) INCLUDING WATER CURING, WET COVERING, APPLICATION OF IMPERVIOUS SHEETING OR APPLICATION OF "CURE AND SEAL" TYPE CURING COMPOUND MEETING ASTM C-1315. FOR APPLICATIONS EXPOSED TO SUNLIGHT USE CLASS A (NON-YELLOWING) CURING COMPOUND. COORDINATE CURING METHOD WITH ARCHITECTURAL FLOOR FINISHES THAT REQUIRE ADHESION TO THE SLAB (SUCH AS TILE) TO INSURE PROPER BOND.
- FLOOR SLAB-ON-GRADE SHALL CONFORM TO THE FOLLOWING SURFACE PROFILE TOLERANCES PER ASTM E-1155 AND ACI 117: F₁(FLATNESS) F₂(LEVELNESS)
 - SPECIFIED OVERALL VALUE: 25 / 20
 - MINIMUM LOCAL VALUE: 18 / 13
 - MAXIMUM GAP UNDER 10 FT. UNLEVELED STRAIGHTEDGE = 1/4".
- SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR VAPOR BARRIER REQUIREMENTS. VAPOR BARRIER, WHERE REQUIRED, SHALL BE PLACED OVER COMPACTED GRANULAR SUBBASE.
- AT SLAB AND WALL OPENING CORNERS AND REENTRANT CORNERS, PROVIDE (1) #5 BAR IN EACH FACE PARALLEL TO EACH EDGE EXTENDING A MINIMUM OF 2'-0" PAST EDGE OF OPENING. THIS STEEL MAY BE OMITTED IF TYPICAL REINFORCING STEEL EXCEEDS THIS MINIMUM REQUIREMENT.
- REINFORCE ALL INTERIOR SLABS ON GROUND WITH 6 X 6 - W2.9 X W2.9 (42#) MESH. LOCATE MESH 2" CLEAR BELOW TOP OF SLAB.
- LAP WELDED WIRE FABRIC MINIMUM 1 FULL SPACE PLUS 2".
- FINISH OF CONCRETE HANDICAP RAMPS TO CONFORM TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA). COORDINATE LOCATION AND PATTERN WITH ARCHITECTURAL DRAWINGS.
- CONTROL JOINTS IN SLABS ON GROUND SHALL BE LOCATED AT 15'-0" MAXIMUM SPACING AND SHALL CREATE SECTIONS OF SLAB WITH A MAXIMUM ASPECT RATIO OF 1 1/2 TO 1. CONTROL JOINTS SHALL BE SAWN AND SHALL BE A MINIMUM OF 1/4 OF THE SLAB THICKNESS DEEP. THE CONTROL JOINT SHALL BE SAWN AS SOON AS THE SAW BLADE CAN CUT THE CONCRETE WITHOUT DISPLACING THE AGGREGATE. CUT EVERY OTHER MESH WIRE AT THE CONTROL JOINT LOCATION PRIOR TO PLACING CONCRETE. IF AN EARLY-CUTTING SAW IS BE USED AND A SHALLOWER DEPTH OF THE CUT IS DESIRED, CONTACT THE ENGINEER IN ADVANCE FOR APPROVAL.
- CONSTRUCTION JOINTS IN SLABS ON GROUND MAY BE LOCATED AT ANY CONTROL JOINT LOCATION. CONSTRUCTION JOINTS SHALL HAVE A KEY FORMED AT MID-DEPTH OF THE FIRST CAST SECTION. THE KEY SHALL BE 1 1/2" DEEP AND SHALL BE 1/3 OF THE SLAB THICKNESS HIGH. THE TOP AND BOTTOM OF THE KEY SHALL HAVE 1 VERTICAL TO 3 HORIZONTAL SLOPE.
- PROVIDE 1/4" CHAMFER AT CORNERS OF EXPOSED CONCRETE.
- WHERE BRITTLE FLOOR FINISHES ARE TO BE APPLIED TO FLOOR SLABS, COORDINATE CONTROL JOINT LOCATIONS WITH FLOOR FINISH JOINT LOCATIONS AND ARCHITECT.

EXPANSION AND EPOXY ADHESIVE ANCHORS

EXPANSION ANCHORS:

- EXPANSION ANCHORS SHALL BE MANUFACTURED BY SIMPSON S-T/HILTI AND SHALL BE THE TYPE, SIZE, AND EMBEDMENT INDICATED ON DRAWINGS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SUBSTITUTES MAY BE CONSIDERED; SUBMIT MANUFACTURER'S DATA PRIOR TO INSTALLATION.

EPOXY ADHESIVE ANCHORS:



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NEW SHELTER BLDG.
A.J. JOLLY PARK

1501 RACE TRACK ROAD
ALEXANDRIA, KY 41001

GENERAL STRUCTURAL
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G101

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1. EPOXY ADHESIVE SHALL BE **SET-XP HIGH-STRENGTH BY SIMPSON STRONG-TIE** OR HIT RE 500 V3 EPOXY ADHESIVE MANUFACTURED BY THE HILTI COMPANY. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SUBSTITUTES MAY BE CONSIDERED; SUBMIT MANUFACTURER'S DATA PRIOR TO INSTALLATION.
2. THREADED RODS SHALL BE ASTM A36. SIZES AND EMBEDMENT AS INDICATED ON THE DRAWINGS.
- ~~3. FOR SAFE AND PROPER INSTALLATION, HANDLING, AND STORAGE OF THE EPOXY SYSTEM.~~
- MASONRY**
1. MASONRY CONSTRUCTION AND MATERIALS SHALL CONFORM TO ALL REQUIREMENTS OF "SPECIFICATION FOR MASONRY STRUCTURES (ACI 530.1/ASCE 6/TMS 602)" EXCEPT AS MODIFIED BY THE REQUIREMENTS OF THESE CONTRACT DOCUMENTS.
2. COMPRESSIVE STRENGTH SHALL BE DETERMINED FOR EACH TYPE OF MASONRY BY THE UNIT STRENGTH METHOD.

A. CONCRETE MASONRY: $f_m = 1500$ PSI AT 28 DAYS.
3. SUBMITTALS SHALL BE MADE FOR THE FOLLOWING:

A. COLD WEATHER CONSTRUCTION PROCEDURE.

B. HOT WEATHER CONSTRUCTION PROCEDURE.

C. MANUFACTURERS LITERATURE FOR: HORIZONTAL JOINT REINFORCING, REINFORCING STEEL POSITIONERS, MOVEMENT JOINT MATERIALS, TIES & ANCHORS.

D. SHOP DRAWINGS SHOWING: DETAILS OF STEEL REINFORCING, AND LINTELS.

E. MANUFACTURER'S CERTIFICATE OF COMPLIANCE FOR SPECIFIED MASONRY UNIT, AND REINFORCING STEEL.

F. PROPORTIONS OF MATERIAL IN ACCORDANCE WITH REFERENCED SPECIFICATIONS OF MORTAR AND GROUT.
4. MATERIALS

A. CONCRETE MASONRY UNITS: ASTM C90 TYPE I BELOW GRADE: NORMAL WEIGHT AGGREGATE PER ASTM C33.

B. CONCRETE MASONRY UNITS: ASTM C90 TYPE I ABOVE GRADE: LIGHTWEIGHT AGGREGATE PER ASTM C331 OR NORMAL WEIGHT.

C. MORTAR: ASTM C270 TYPE N

D. PORTLAND CEMENT-LIME MORTAR: PORTLAND CEMENT: TYPE I, HYDRATED LIME: TYPE S.

E. MASONRY CEMENT MORTAR: AT CONTRACTOR'S OPTION.

F. GROUT: ASTM C476. $f'_c = 2000$ psi, SLUMP 8" TO 10".

G. REINFORCING STEEL: ASTM A615, 60 KSI YIELD.

H. HORIZONTAL JOINT REINFORCING FOR SINGLE WYTHE CONCRETE MASONRY: 9 GAUGE LADDER TYPE. HOT DIPPED GALVANIZED PER ASTM A153 CLASS B. PLACE HORIZONTAL JOINT REINFORCING AT 16" CENTERS VERTICALLY FOR CONCRETE MASONRY. LAP HORIZONTAL JOINT REINFORCING 6" MINIMUM. HORIZONTAL JOINT REINFORCING SHALL BE DISCONTINUOUS ACROSS MOVEMENT JOINTS.
5. MORTAR PROPORTIONS MUST BE ACCURATELY MEASURED PRIOR TO MIXING. ADD CEMENT TO MIX IN FULL BAG QUANTITIES. MEASURE SAND IN BOX WITH VOLUME OF ONE CUBIC FOOT AS OFTEN AS NECESSARY TO MAINTAIN CONSISTENT PROPORTIONS AND AT LEAST ONCE DAILY AND EVERY 4 HOURS OF MIXING.
6. MINIMUM VERTICAL REINFORCEMENT REQUIREMENTS FOR ALL MASONRY WALLS.

A. AS A MINIMUM, ALL MASONRY SHALL BE REINFORCED PER SECTION ACI 530.1.14.2.2.2.1

B. #4 VERTICAL BARS SHALL BE PLACED AT ALL CORNERS, WITHIN 16 INCHES OF EACH WALL OPENINGS, WITHIN 8 INCHES OF EACH WALL MOVEMENT JOINT AND WITHIN 8 INCHES OF THE END OF THE WALL.

C. HORIZONTAL JOINT REINFORCEMENT SHALL BE SPACED AT 16" MAX. WALL OPENINGS SHALL BE REINFORCED TOP AND BOTTOM OF OPENINGS AND SHALL EXTEND NOT LESS THAN 24 INCHES BEYOND PAST THE ROUGH OPENING.

D. SPACING OF VERTICAL REINFORCEMENT SHALL NOT EXCEED 4'-0"
7. PROVIDE PREFABRICATED "L" AND "T" SHAPED HORIZONTAL JOINT REINFORCING AT WALL INTERSECTIONS. ALTERNATE MESH TIES REINFORCEMENT TO BE SUBMITTED FOR REVIEW CONSIDERATION PRIOR TO CONSTRUCTION.
8. RUNNING BOND PATTERN SHALL BE USED FOR ALL MASONRY WORK UNLESS OTHERWISE NOTED.
9. PROVIDE MOVEMENT (CONTROL AND EXPANSION) JOINTS IN WALLS WHERE INDICATED ON ARCHITECTURAL DRAWINGS. BOND BEAMS SHALL BE DISCONTINUOUS ACROSS MOVEMENT JOINTS UNLESS NOTED OTHERWISE:

A. MOVEMENT JOINTS IN CONCRETE BLOCK: SASH BLOCK UNIT WITH PREFORMED SHEAR KEY. CAULK BOTH FACES. ALTERNATE DETAILS FOR CONTROL JOINTS MAY BE ACCEPTABLE -- SUBMIT DETAILS FOR APPROVAL.

B. PROVIDE BUILDING PAPER BOND BREAK BELOW LINTEL BEARING ADJACENT TO CONTROL JOINTS.
10. UNLESS NOTED OTHERWISE ON PLANS, UNDER LINTELS, BEARING PLATES, BEAMS, ETC.; FILL CELLS WITH GROUT, 3 COURSES MINIMUM BELOW BEARING.
11. ALL REINFORCING STEEL SHALL BE SUPPORTED AND FASTENED TO APPROVED POSITIONERS LOCATED AT 192 BAR DIAMETERS MAXIMUM SPACING AND WITH A MINIMUM OF TWO POSITIONERS PER GROUT POUR (ONE NEAR THE BOTTOM AND ONE NEAR THE TOP) TO PREVENT DISPLACEMENT DURING THE PLACEMENT OF GROUT. ALL REINFORCING BARS MUST BE FULLY GROUTED IN PLACE IN LIFTS NOT TO EXCEED 60 INCHES.

12. BAR LAPS ARE AS FOLLOWS UNLESS OTHERWISE NOTED. MINIMUM BAR LAPS SHALL NOT BE LESS THAN 48" x (BAR DIAMETER).

#4 BAR – 24" MINIMUM LAP

#5 BAR – 30" MINIMUM LAP

#6 BAR – 36" MINIMUM LAP

A. IN DOUBLE REINFORCED CELLS, STAGGER BAR SPLICES ACCORDINGLY SO THAT LAPS DO NOT OCCUR WITHIN THE SAME SECTION ALONG THE HEIGHT OF THE WALL.
13. GROUT ALL CELLS BELOW GRADE SOLID.
- WOOD**
1. MATERIALS:

A. FRAMING LUMBER:

1. 2 x 8 AND LARGER: NO. 1 GRADE OR BETTER SOUTHERN PINE KILN DRIED.

2. 2 x 4: STUD GRADE OR BETTER SPRUCE PINE FIR KILN DRIED.

3. 2 x 6: NO. 2 GRADE OR BETTER SPRUCE PINE FIR KILN DRIED.

4. ACQ-C (ALT CA-B OR SBX-DOT) PRESSURE TREAT PIECES IN CONTACT WITH FOUNDATION OR EXPOSED TO WEATHER.
2. SHEATHING & SUBFLOORING: 48/24 APA RATED TONGUE & GROOVE SUBFLOOR EXPOSURE 1. 32/16 APA RATED ROOF SHEATHING EXPOSURE 1. 24/16 APA RATED STRUCTURAL WALL SHEATHING EXPOSURE 1. ALL SHEATHING TO BE NAILED WITH 8d NAILS AT 6" ON CENTER AT PANEL EDGES AND 12" ON CENTER AT INTERMEDIATE SUPPORTS UNLESS NOTED OTHERWISE. ROOF AND WALL SHEATHING SHALL BE SPACED A MINIMUM 1/8" AT PANEL EDGES AND ENDS OF SHEETS. USE APPROPRIATE PLYWOOD CLIPS AS RECOMMENDED BY THE APA. ALL PLYWOOD SUBFLOORING SHALL BE GLUED AND NAILED.
3. UNLESS NOTED OTHERWISE, CONNECTORS SHALL BE MADE PER TABLE 2304.9.1, "RECOMMENDED FASTENING SCHEDULE", IN REFERENCED BUILDING CODE. STAPLES NOT PERMITTED FOR FASTENING APA RATED SHEATHING AND SUBFLOORING.
4. ALL CONNECTION HARDWARE SPECIFIED ON THE STRUCTURAL DRAWINGS SHALL BE MANUFACTURED BY THE SIMPSON STRONG-TIE COMPANY AND SHALL BE FASTENED AS SPECIFIED IN THE SIMPSON PRODUCT AND INSTRUCTION MANUAL.
5. FOR WOOD ROOF RAFTERS AND TRUSSES, INSTALL ONE SIMPSON H5 HURRICANE TIE AT EACH MEMBER AT EACH BEARING LOCATION IN ADDITION TO THE TYPICAL NAILING REQUIREMENT IN THE "RECOMMENDED FASTENING SCHEDULE".
6. PROVIDE SOLID BLOCKING IN FLOOR CONSTRUCTION UNDER POSTS, MULTIPLE STUDS OR BEAM BEARINGS.
- WOOD TRUSSES**
1. ALL WORK TO CONFORM TO "DESIGN SPECIFICATION FOR METAL PLATE CONNECTED WOOD TRUSSES" (TP1) OR "DESIGN SPECIFICATION FOR METAL PLATE CONNECTED PARALLEL CHORD TRUSSES" (PCT) BY TRUSS PLATE INSTITUTE, INC.
2. UNLESS NOTED OTHERWISE, ALL TRUSSES SHALL BE DESIGNED FOR THE LOADS AS SHOWN IN THE DESIGN LOAD SECTION OF THESE NOTES.
3. SHOP DRAWINGS ARE REQUIRED AND SHALL BEAR THE DESIGNER'S ENGINEERING SEAL, SHOW ALL DESIGN AND FABRICATION DATA, TEMPORARY AND PERMANENT BRACING REQUIREMENTS, AND HANDLING AND ERECTION INSTRUCTIONS. SHOP DRAWINGS SHALL CLEARLY SHOW PERMANENT BRACING REQUIREMENTS FOR WEB COMPRESSION MEMBERS. AN ERECTION PLAN LOCATING ALL TRUSSES SHALL BE PROVIDED.
4. GABLE END WALL FRAMING SHALL BE 2X WOOD STUD FRAMING AS SHOWN ON THE STRUCTURAL DRAWINGS. WHEN APPROVED AND APPLICABLE GABLE END TRUSSES MAY BE USED AS AN ALTERNATE TO THIS FRAMED GABLE WALL PROVIDED THAT THE MANUFACTURE DESIGN AND PROVIDE CALCULATIONS OF ALL MISCELLANEOUS LATERAL BRACE REQUIREMENTS PER WTCA STANDARDS. THIS BRACING AND MATERIAL SHALL BE SUPPLIED AND PROVIDED BY THE MANUFACTURER OF THE WOOD TRUSSES AND BE CONSIDERED THE RESPONSIBILITY OF THE TRUSS MANUFACTURER.
5. ALL TRUSSES SHALL BE BRACED DURING ERECTION PER "COMMENTARY AND RECOMMENDATIONS FOR HANDLING, INSTALLING AND BRACING METAL PLATE CONNECTED WOOD TRUSSES, H18-91" BY THE TRUSS PLATE INSTITUTE, UNLESS MORE STRICT BRACING IS REQUIRED BY THE TRUSS MANUFACTURER. THIS BRACING SHALL REMAIN AS PERMANENT BRACING. BRACING IN THE PLANE OF THE TOP CHORD MAY BE REMOVED WHEN THE TOP CHORD IS Laterally BRaced BY PLYWOOD SHEATHING.
6. BOTTOM CHORD OF ALL WOOD TRUSSES SHALL BE DESIGNED AS UNBRACED FOR A LENGTH EQUAL TO THE SPACING BETWEEN BOTTOM CHORD BRACES. BOTTOM CHORD BRACES SHALL BE SUPPLIED BY TRUSS MANUFACTURER.
7. WHEN REQUIRED, THE GENERAL CONTRACTOR SHALL SUBMIT COPIES OF STAMPED ERECTION / SHOP DRAWINGS OF THE PRE-FABRICATED WOOD TRUSSES TO THE BUILDING OFFICIAL. COORDINATE WITH PERMIT CONTINGENCIES.



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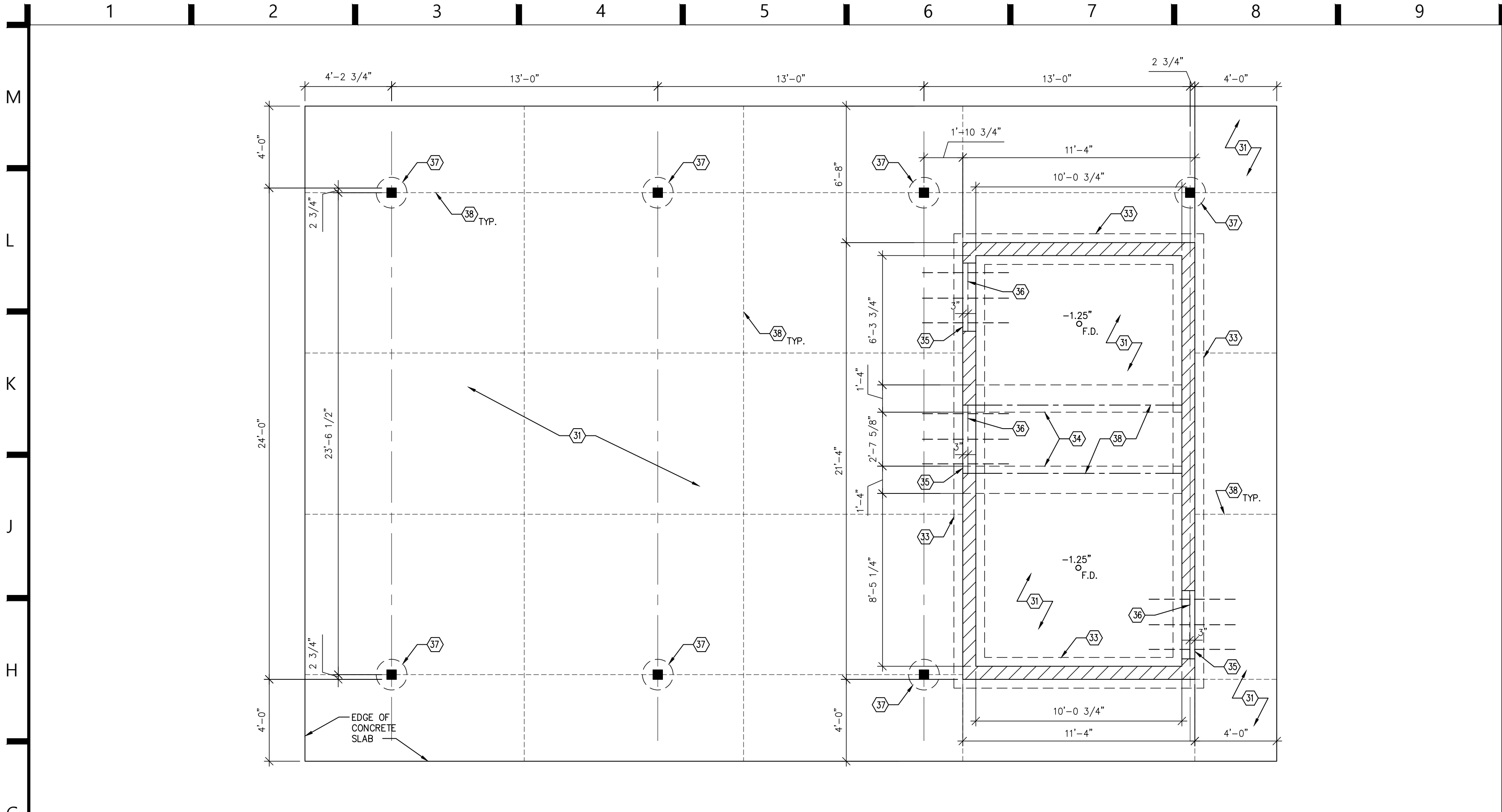
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G1 FOUNDATION PLAN

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

GENERAL NOTES

1. EACH FIXTURE SHALL HAVE INDIVIDUAL SHUT-OFF VALVES.
2. ALL SHUT-OFF VALVES SHALL BE LOCATED IN THE PIPE CHASE ROOM.
3. PROVIDE CMU SOLID GROUTED BOND BEAM WITH (2) #5'S OVER ALL DOOR OPENINGS.

WALL TYPES

M1 - EXTERIOR WALL
PAINTED 8" SPLIT-FACE, CONCRETE MASONRY UNITS WITH TRUSS-TYPE HORIZONTAL REINFORCING AT 16" O.C. BREAK HORIZONTAL REINFORCING AT MASONRY CONTROL JOINTS. REINFORCE WITH #5'S VERTICALLY AT 48" O.C. MAXIMUM AND GROUT CORES SOLID. PROVIDE CMU SOLID GROUTED BOND BEAM WITH (2) #5'S OVER ALL DOOR OPENINGS.

M2 - INTERIOR WALL
8" STANDARD CONCRETE MASONRY UNITS WITH TRUSS-TYPE HORIZONTAL REINFORCING AT 16" O.C. BREAK HORIZONTAL REINFORCING AT MASONRY CONTROL JOINTS. REINFORCE WITH #5'S VERTICALLY AT 48" O.C. MAXIMUM AND GROUT CORES SOLID.

ROOM FINISHES

FLOOR: STAINED AND SEALED CONCRETE.

WALLS: BLOCK FILLER AND (2) COATS EPOXY PAINT, TYP. PIPE CHASE #102 TO REMAIN UNPAINTED.

CEILING: FIBERGLASS REINFORCED PANELS (FRP) - CLASS "C" MINIMUM" OVER 1/2" EXTERIOR GRADE WOOD SHEATHING

DOOR TYPES

ALL DOORS TO BE 3'-0"x7'-0"x1-3/4" GALVANIZED & PAINTED 16 GA. HOLLOW METAL. FRAMES TO BE GALV. & PAINTED 16 GA. HOLLOW METAL (GROUTED SOLID) WITH 4" HEAD. COLOR AS SELECTED BY OWNER.

DOOR TYPE "D1"
PROVIDE HINGES WITH NON-REMOVABLE PINS, LEVER HANDLED PRIVACY MORTISE LOCKSET WITH DEADBOLT AND OCCUPIED/UNOCCUPIED INDICATOR, CLOSER, THRESHOLD, WEATHER STRIPPING, INTERIOR & EXTERIOR KICKPLATES, AND WALL STOP.

DOOR TYPE "D2"
PROVIDE HINGES WITH NON-REMOVABLE PINS, LEVER HANDLED STORAGE ROOM MORTISE LOCKSET WITH DEADBOLT AND OCCUPIED/UNOCCUPIED INDICATOR, CLOSER, THRESHOLD, WEATHER STRIPPING, INTERIOR & EXTERIOR KICKPLATES, AND WALL STOP.

CONSTRUCTION KEYNOTES

1. NOT USED.
2. RECESSED WALL HYDRANT WITH KEY.
3. FLOOR DRAIN (SLOPE FLOOR TO DRAIN).
4. JANITOR SINK.
5. NEW ELECTRICAL OUTLET, TYP.
6. ADA COMPLIANT WALL MOUNTED LAVATORY. INSULATE SUPPLY AND SANITARY PIPING. VERIFY TYPE WITH THE OWNER.
7. ADJUSTABLE UNIVERSAL CHANGING STATION. BASIS OF DESIGN: MAX-ABILITY PRESSALT 3000 ADJUSTABLE ADULT CHANGING TABLE.
8. ADA COMPLIANT WALL MOUNTED TOILET WITH FLUSH VALVE. VERIFY TYPE WITH THE OWNER.
9. STANDARD WATER FOUNTAIN.
10. ADA WATER FOUNTAIN WITH BOTTLE FILLER.
11. 36" GRAB BAR.
12. 42" GRAB BAR.
13. 18" VERTICAL GRAB BAR.
14. 4" LONG MOISTURE RESISTANT, SURFACE MOUNTED LED LIGHT FIXTURE WITH MOTION ACTIVATED OCCUPANCY SENSOR, TYPICAL.
15. EXHAUST FAN/LIGHT TIED TO OCCUPANCY SENSOR, TYP (EXHAUST TO EXTERIOR).
16. SURFACE MOUNTED MULTI-ROLL TOILET PAPER DISPENSER PROVIDED AND INSTALLED BY OWNER.
17. 24"x36" STAINLESS STEEL FRAMED MIRROR CENTERED OVER SINK.
18. SURFACE MOUNTED SOAP DISPENSER, BOBRICK NO. B-2111, OR APPROVED EQUAL, PROVIDED AND INSTALLED BY OWNER.
19. ADA COMPLIANT ELECTRIC HAND DRYER.
20. FIBERGLASS REINFORCED PANELS INSTALLED OVER 1/2" PLYWOOD SHEATHING. PROVIDE TRIM ACCESSORIES AND ADHESIVE PER MANUFACTURER FOR A COMPLETE INSTALLATION.
21. NEW PRE-FINISHED VENTED ALUMINUM SOFFIT PANEL.
22. 80 WATT LED WALL PACK ON PHOTOCELL.
23. CANOPY LIGHTS AT UNDERGIRD OF TRUSSES. COORDINATE TYPE AND LOCATION WITH OWNER.
24. 1X6 TONGUE & GROOVE, V-GROOVE CEILING PLANKS, STAINED.
25. ELECTRIC PANEL.
26. MASONRY VENT - SUNVENT INDUSTRIES MODEL NO. 157 OR APPROVED EQUAL. TOP OF VENT AT BOTTOM OF BOND BEAM. PROVIDE LOUVER COVER AT INTERIOR SIDE (RESTROOM SIDE) OF WALL.
27. NOT USED.
28. NOT USED.
29. NOT USED.
30. NOT USED.
31. 4" STAINED AND SEALED CONCRETE SLAB OVER COMPACTED 4" GRANULAR BASE (4,000 PSI).
32. NOT USED.
33. 1'-4" WIDE X 2'-0" DEEP CONCRETE FOOTING. REINFORCE WITH (2) #5'S CONTINUOUS TOP & BOTTOM.
34. 1'-4" WIDE X 1'-0" DEEP TRENCH DUG CONCRETE FOOTING. REINFORCE WITH (2) #5'S CONTINUOUS.
35. HOLD FOUNDATION DOWN 8" AND POUR SLAB THROUGH, TYPICAL. PROVIDE (3) #4 18x18 BENT BARS INTO INTERIOR SLAB AND EXTERIOR PAVING.
36. 1/2" EXPANSION JOINT MATERIAL WITH SEALANT, TYPICAL.
37. 16" DIAMETER CONCRETE PIER CENTERED ON POST. REINFORCE WITH (4) #5s VERTICAL, (3) HORIZONTAL TIES, TOP, BOTTOM, & MIDDLE.
38. SAWCUT CONTROL JOINT IN CONCRETE SLAB (DEPTH EQUAL TO 1/4 OF SLAB THICKNESS), TYPICAL.



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NEW SHELTER BLDG. A.J. JOLLY PARK

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FOUNDATION PLAN AND FLOOR PLAN

2025-002

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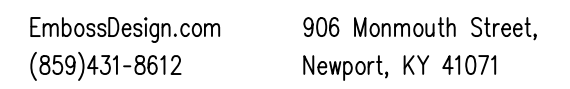
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1. GUTTER TO BE CONTINUOUS 6" PRE-FINISHED ALUMINUM W/ SUPPORT BRACKETS AT 24" O.C.
2. DOWNSPOUTS TO BE PRE-FINISHED ALUMINUM W/ SUPPORT BRACKETS AT 48" O.C. TIE-INTO UNDERGROUND 4" DIAMETER STORM DRAINAGE PIPING AND EXTEND TO DAYLIGHT. COORDINATE LOCATION WITH OWNER

CONSTRUCTION KEYNOTES

1. NOT USED.
2. RECESSED WALL HYDRANT WITH KEY.
3. FLOOR DRAIN (SLOPE FLOOR TO DRAIN).
4. JANITOR SINK.
5. NEW ELECTRICAL OUTLET, TYP.
6. ADA COMPLIANT WALL MOUNTED LAVATORY. INSULATE SUPPLY AND SANITARY PIPING. VERIFY TYPE WITH MANUFACTURER.
7. ADJUSTABLE UNIVERSAL CHANGING STATION. BASIS OF DESIGN: MAX-ABILITY PRESALUT 3000 ADJUSTABLE AIR-DRY CHANGING TABLE.
8. ADA COMPLIANT WALL MOUNTED TOILET WITH FLUSH VALVE. VERIFY TYPE WITH THE OWNER.
9. STANDARD WATER FOUNTAIN.
10. ADA WATER FOUNTAIN WITH BOTTLE FILLER.
11. 36" GRAB BAR.
12. 42" GRAB BAR.
13. 18" VERTICAL GRAB BAR.
14. 4" LONG MORTISE RESISTANT, SURFACE MOUNTED LED LIGHT FIXTURE WITH MOTION ACTIVATED OCCUPANCY SENSOR, TYPICAL.
15. EXHAUST FAN/LIGHT TIED TO OCCUPANCY SENSOR, TYP. (EXHAUST TO EXTERIOR)
16. SURFACE MOUNTED MULTI-ROLL TOILET PAPER DISPENSER PROVIDED AND INSTALLED BY OWNER.
17. 30" STAINLESS STEEL FRAME W/STAINLESS STEEL TUB. OWNER-GEN'D OVER SINK.
18. SURFACE MOUNTED SOAP DISPENSER, BOBBICK NO. B-2111, OR APPROVED ALIKE, PROVIDED AND INSTALLED BY OWNER.
19. ADA COMPLIANT ELECTRIC HAND DRYER.
20. 1/2" THICK COMPACTED POLYMER CONCRETE OVER 1/2" PLYWOOD SHEATHING. PROVIDE TRIM ACCESSORIES AND ADHESIVE PER MANUFACTURER FOR A COMPLETE INSTALLATION.
21. NEW PRE-FINISHED VENTED ALUMINUM SPOFF PANEL.
22. 80 WATT LED WALL PACK ON PNEUMATICALLY OPERATED PHOTOELECTRIC SENSITIVE SWITCH.
23. CANOPY LIGHTS AT UNDERSIDE OF TRUSSES, COORDINATE TYPE AND LOCATION WITH OWNER.
24. 1/2" (3/4" MAX) GRAY V-GROOVE.
25. ELECTRIC FAN.
26. EXHAUST FAN TIED - SLAVANT INDUSTRIES MODEL NO. 157 OR APPROVED ALIKE. TOP OF VENT AT BOTTOM OF BOND BEND. PROVIDE LOUVER CHARGE AT INTERIOR SIDE (RESTROOM SIDE) OF WALL.
27. NOT USED.
28. NOT USED.
29. NOT USED.
30. NOT USED.
31. 4" STAINED AND SEALED CONCRETE SLAB OVER COMPACTED 4" GRANULAR BASE (4,000 PSI AIR-BLENDED CONCRETE W/ TROWELED FINISH). TYPICAL, VERIFY STAIN COLOR W/ OWNER.
32. 1"-6" WIDE X 2'-0" DEEP CONCRETE FOOTING, REINFORCE WITH (2) #5s CONTINUOUS TOP & BOTTOM.
33. 1'-0" X 1'-0" X 1'-0" CONCRETE FOOTING, REINFORCE WITH (2) #5s CONTINUOUS TOP & BOTTOM.
35. HOLD FOUNDATION DOWN 8" AND POUR SLAB THROUGH, TYPICAL. PROVIDE (3) #4 18x18 BENT BARS INTO INTERIOR SLAB AND EXTERIOR PAWING.
36. 1/2" (3/4" MAX) GRAY V-GROOVE.
37. 1/2" EXPANSION JOINT MATERIAL, WITH SEALANT, TYPICAL.
38. 16" DIAMETER CEMENT PIER CENTERED ON POST. REINFORCE WITH (4) #5s (vertical), (3) #5s (horizontal).
39. SAWCUT CONTROL JOINT IN CONCRETE SLAB (DEPTH ALIKE TO 1/4 OF SLAB THICKNESS), TYPICAL.



G1	ROOF PLAN / ROOF FRAMING PLAN
----	-------------------------------

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



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

[illegible]

NEW SHELTER BLDG.
A.J. JOLLY PARK

1501 RACE TRACK ROAD
ALEXANDRIA, KY 41001

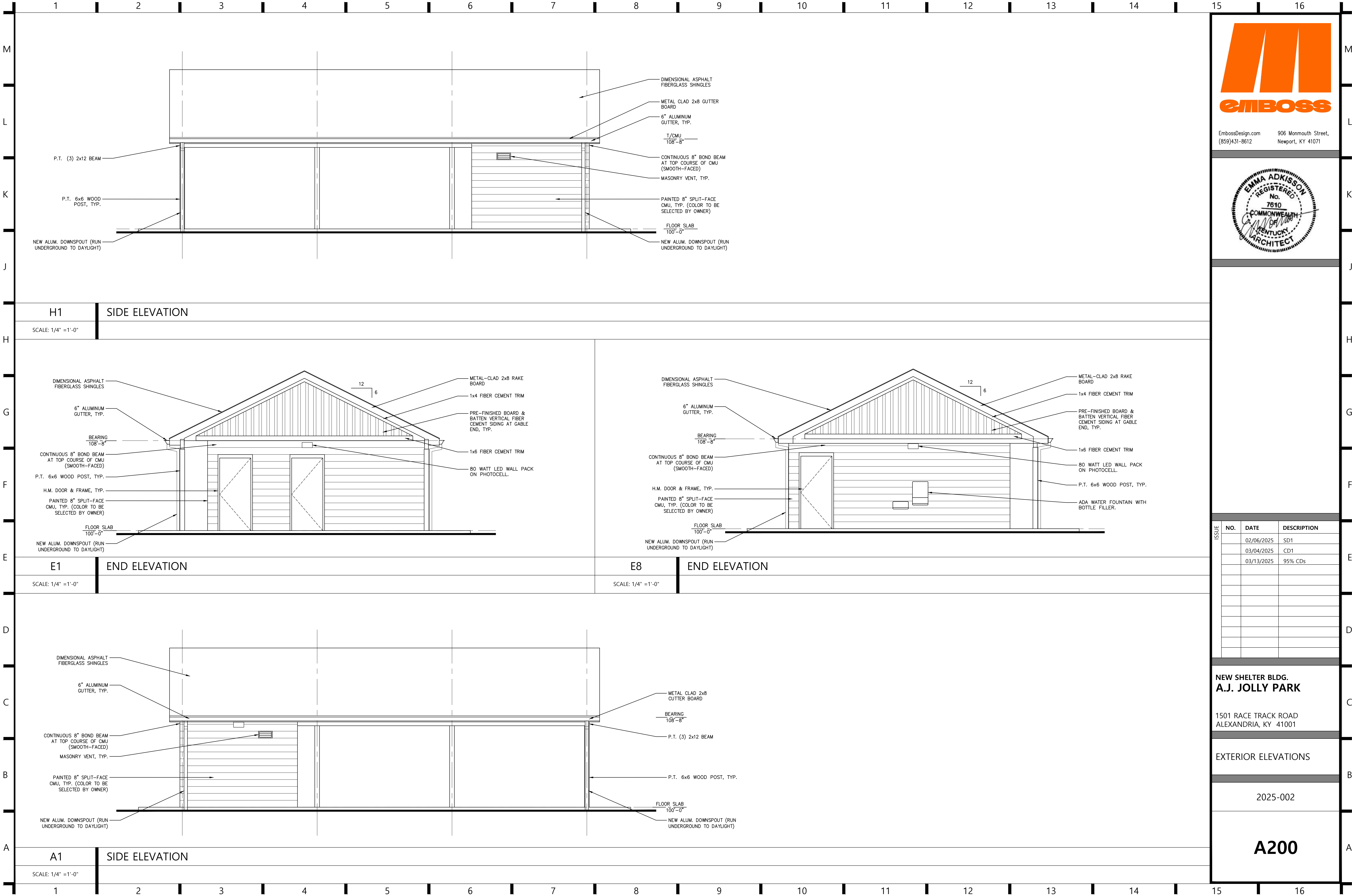
ROOF FRAMING PLAN AND REFLECTED CEILING PLAN

2025-002

A101

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ISSUE	NO.	DATE	DESCRIPTION
		02/06/2025	SD1
		03/04/2025	CD1
		03/13/2025	95% CDs

NEW SHELTER BLDG.
A.J. JOLLY PARK

1501 RACE TRACK ROAD
ALEXANDRIA, KY 41001

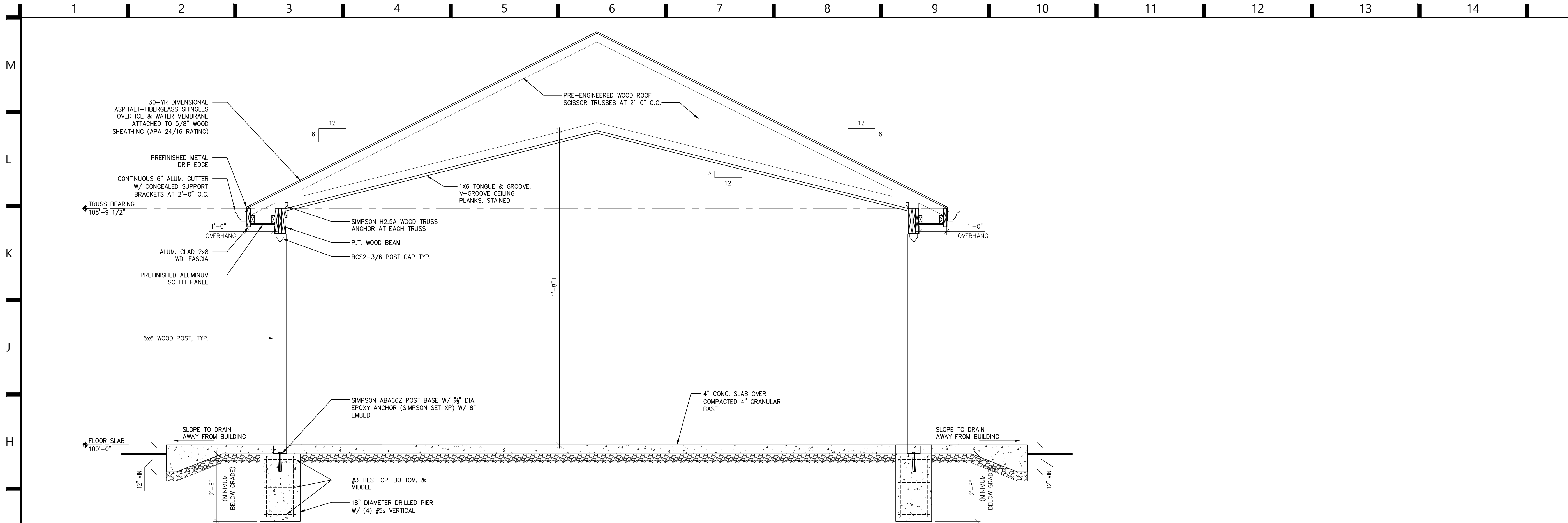
EXTERIOR ELEVATIONS

2025-002

A200

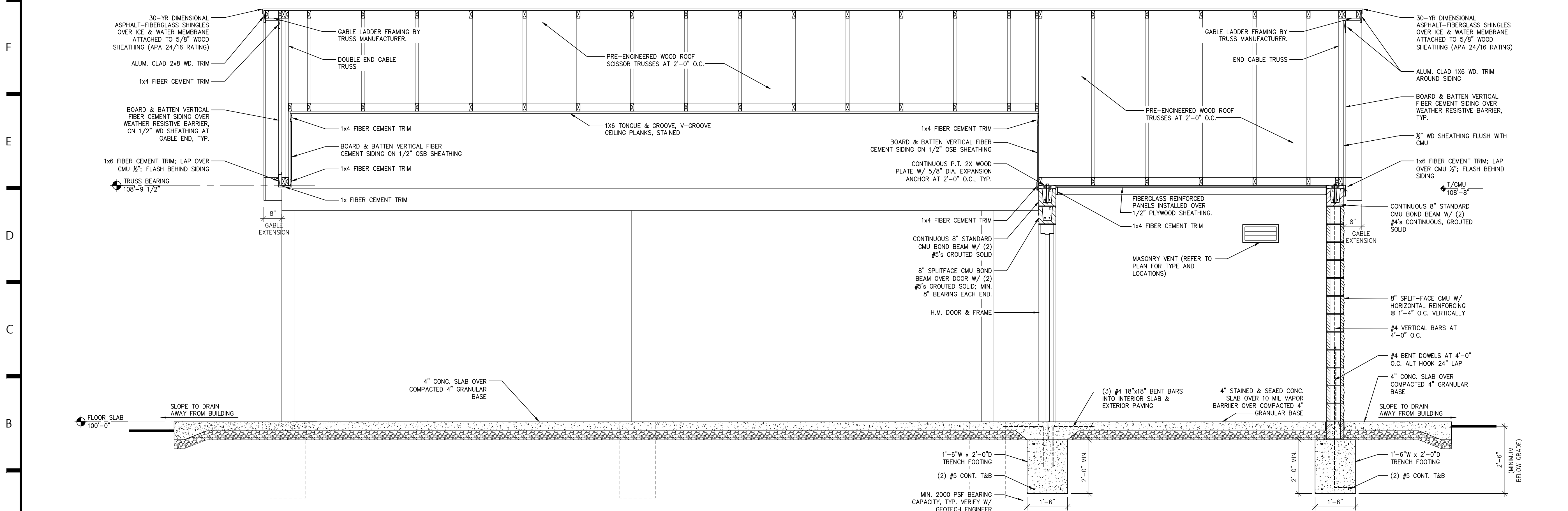
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G1 BUILDING SECTION

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



A1 BUILDING SECTION

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



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BUILDING SECTIONS
AND DETAILS

2025-002

A201