

ADDENDUM #2

1.1 NOTICE TO BIDDERS

- A. This Addendum is issued to all registered plan holders pursuant to the Instructions to Bidders and Conditions of the Contract. This Addendum serves to clarify, revise, and supersede information in the Project Manual, Drawings, and previously issued Addenda. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.
- B. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.
- C. The date for receipt of bids is unchanged by this Addendum.
- D. A second prebid meeting for those who could not attend yesterday's meeting has been scheduled for June 10, 2025, at 3:30 pm at the Church.

1.2 ATTACHMENTS

- A. This Addendum includes the following attached Documents and Specification Sections:
 - 1. Prebid Meeting Attendance Sheet, dated June 3, 2025, 1 page.
 - 2. Prebid Meeting Agenda, dated June 3, 2025, 1 page.
 - 3. 00 12 00 – Multiple Contract Summary; 3-7, 5 pages, dated June 4, 2025
 - 4. Structural Sheets S001, S101, S501, 3 sheets, revised June 2, 2025
 - 5. 00 80 00 – Supplementary Conditions; 7, 1 page, revised June 4, 2025.
 - 6. 00 41 00 – Bid Form; 2 pages, revised June 4, 2025.

1.3 REVISIONS TO PREVIOUS ADDENDA

- A. Addendum No. 1, Item 1.3, A, Revise as follows:
 - 1. 00 12 00 – Multiple Contract Summary, dated May 20, 2025
 - b. Page 3 – Omit CONTRACT C1 – FRAMING AND INSULATION; work will be completed by Owner.

1.4 REVISIONS TO DRAWING SHEETS

- A. Sheet G101 – CODE PLAN (not reissued).
 - 1. General Code Notes, add the following:
 - a. City of Newton Adopted Codes, all work shall comply with:
 - 1) 2015 International Building Code
 - 2) 2012 International Energy Conservation Code
 - 3) 2015 International Fire Code
 - 4) 2024 Uniform Plumbing Code with State Amendments
 - 5) 2024 International Mechanical Code
 - 6) 2020 National Electrical Code

1.5 DISCUSSION FROM PREBID MEETING ON June 3, 2025

- 1. Question: Will emailed bids be read aloud?
 - b. Answer: Yes.
- 2. Question: Will a full Gantt schedule be provided before bidding?

- a. Answer: No. Bidders shall review the schedule provided in the PreBid Agenda.
- 3. Question: Will the City require third-party testing for energy performance and Comcheck?
 - a. Answer: City permit review is pending. Confirmed with the City Building Inspector on Jun 4 that no energy inspections are required.
- 4. Question: If a bidder would like to submit on multiple bid packages, should separate bid forms be filled out and submitted?
 - a. Answer: Yes.
- 5. Question: How will the cost of the bonds be negotiated and removed from the proposal amount at contract execution?
 - a. Answer: A revised bid form will be submitted in Add2.
- 6. Comment: The south retaining wall's concrete foundation system is substantial and will require a significant effort to remove.

1.6 SUBSTITUTIONS

- A. Preliminary approvals of equipment and materials indicate the product's general acceptability based on the manufacturer's quality, the representative's integrity, local availability, and similar considerations. Final approval will be contingent upon compliance with the detailed specifications.

<u>Specification / Material</u>	<u>Manufacturer/Product</u>
Div 22 – Ductwork	FabricAir
Div 22 – Electric Heaters	Redd-I

END OF ADD2

PREBID MEETING SIGN IN SHEET
 Newton Church of the Way
 June 3, 2025, 3:30 PM

PRINT NAME	COMPANY	PHONE	EMAIL
1. MATT FARVER	LADOL COAST	575 802 9344	mfarver@ladol-coast.com
2. Alyssa Sharp	GTC Construction	515-528-8178	gqg.office@gtccompanies.com
3. Mike Bogard	Pella Concrete Contractors	641-628-3753	mike@pellaconcretecontractors.com
4. Adam Janssen	King Construction	515-778-7078	adam@kingconstruction.biz
5. Nick Shkiryak	Kline Electric	515-661-3523	nshkiryak@teamkline.net
6. Brad Robedeaux	RabWorks	641-521-0110	info@rabworks.net
7. Mike Lamphier	Lamphier Excavating	641-891-5838	lamphierexcavating@gmail.com
8. Cory Van Zante	Sully Construction	641-891-6574	Cory.VanZante@gmail.com
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			

PREBID MEETING AGENDA
Newton Church of the Way
6/3/25, 3:30 PM

PURPOSE:

- Understand the scope of work and familiarize bidders with the project site conditions.
- To recognize and eliminate any issues that may cause delays, cost increases, and claims.
- Assignment of unclear responsibilities that, if left unassigned, may cause future discrepancies.
- Generation of beneficial addenda information.

CONTACTS:

Project Coordinator:	Tracy Cross, Church of the Way, 641.521.3155
Civil:	Korey Marsh, Snyder and Associates, 515.314.2824
Architectural:	Dan Hunt, CONNECT Architecture, 515.783.6570
Structural:	Ben Head, Tometich Engineering, 515.280.8022

DOCUMENTS

Iowa Reprographics Inc., 3 College Ave., Des Moines, Iowa, phone 515-244-5705.
plans@iowarepro.com.

PROJECT SCOPE

The Work of this Project is described as the construction of a new 9,632 square foot multi-purpose facility for The Newton Church of the Way, located at 2306 South 3rd Ave, Newton, Iowa.

CONTRACTS

Proposals will be accepted for individual multiple prime contracts consisting of each of the following contract packages. ***Proposals may not be combined.***

Contract		Arch's Est
A	Sitework	\$140,000
B	Concrete	\$230,000
C2	Gypsum Board	\$30,000
C3	Alum Storefront & Entrances	\$130,000
C4	Interior WD Doors and HM Frames	\$70,000
C5	Polycarbonate Panels	\$80,000
C6	Specialties	\$40,000
C7	Flooring	\$50,000
C9	Int Painting and ACT	\$60,000
C10	Athletic Equipment	\$80,000
D	Plumbing	\$200,000
E	Fire Sprinkler	\$100,000
F	HVAC	\$300,000
G	Electrical	\$260,000
Total		\$1,770,000

WORK BY OTHERS:

1. Pre-Engineered Metal Building. The building has been ordered.

WORK BY OWNER:

1. Framing and Insulation (C1)
2. Casework and Countertops (C8)

OWNER FURNISHED PRODUCTS:

1. Kitchen equipment and appliances.

ALTERNATES: None.

LUMP SUM ALLOWANCES: None.

UNIT PRICES: None.

BID DUE:

Receipt of Bids: Owner will receive Bids at the Owner's office, 2306 S 3rd Ave E, Newton, IA 50208, on June 17, 2025, by 2:00 PM local time. ***Bids may also be emailed to bids@theway146.com.***

BID OPENING: Hand-delivered bids will be opened publicly at this time. Emailed and mailed bids will be read aloud at this time.

SCHEDULE:

Action on Bids / Contracts:	Mid-June 2025
Mobilize:	July 2025
PEMB Deliver:	August 2025
Completion:	Winter 2026

PERMITS:

The Owner will obtain a building permit from the City of Newton.

Subcontractors shall obtain permits for their work. Include costs for permits and inspections in your proposal.

BID SUBMITTAL PROCEDURE:

1. Use Form in 00 41 00. Fill out all sections. If not applicable, write in "does not apply" or "n/a."
2. A Bid Guarantee is not required.
3. Acknowledge receipt of all issued addenda.
4. Provide percentage markups for Changes to the Work.
5. Attach completed 00 41 10 - Qualifications Statement and submit with proposals. (Add1)

MISC

1. AIA 701 Instructions to Bidders incorporated with modifications (00 22 13 – Supplementary Instructions to Bidders issued with Add1).
2. Both a Performance and a Payment Bond are required. See 00 80 00. Include costs for bonding in proposals; however, the Owner reserves the right to negotiate the removal of the bonding requirement at contract execution.
3. No liquidated damages apply.
4. Bids are irrevocable for 60 days.
5. Form of agreement: AIA A101- Standard Owner/Contractor for a stipulated sum.
6. Insurance requirements are in 00 80 00; Article 11.
7. The Owner will carry the builder's risk insurance. (00 80 00, 11.2)
8. The Owner will provide testing services. (01 41 00)
9. Do not include sales tax. The owner will provide certificates for the contractor's use.

ADD1: Issued on June 2, 2025

QUESTIONS: Contact the architect **via email** at dan@connect-arch.com.

SITE VISIT

ADJOURN

1.5 CONTRACTS

A. CONTRACT A - SITEWORK

1. Work of the Sitework Construction Contract includes, but is not limited to, the following:
 - a. Provide and Install:
 - 1) Site demolition, clearing, and grubbing.
 - 2) Building pad earthwork.
 - 3) Site utilities including excavation and backfill.
 - 4) All temporary facilities and controls required to complete the work of this contract.
 - b. Applicable Sections:
 - 1) Drawings:
 - a) Civil
 - b) Structural
 - 2) Specifications:
 - a) Div 00 - Procurement and Contracting Requirements
 - b) Div 01 – General Requirements
 - c) Div 31 – Earthwork

B. CONTRACT B - CONCRETE

1. Work of the Concrete Construction Contract includes, but is not limited to, the following:
 - a. Provide and Install:
 - 1) Exterior concrete paving including sidewalks, streets, curbs, and gutters.
 - 2) Building footings and foundations, including footing excavations and backfill.
 - 3) Building slab on grade, including subgrade granular material and vapor retarder.
 - 4) Foundation waterproofing and insulation.
 - 5) Foundation backfilling.
 - 6) Column and stair footings for wood exterior stairs including excavations.
 - 7) Concrete stoops including excavations, granular subbase, void form.
 - 8) All temporary facilities and controls required to complete the work of this contract.
 - b. Applicable sections:
 - 1) Drawings:
 - a) Civil
 - b) Structural
 - c) Architectural
 - 2) Specifications:
 - a) Div 00 - Procurement and Contracting Requirements
 - b) Div 01 – General Requirements
 - c) Div 03 – Concrete
 - d) Div 07 - Thermal

~~C. CONTRACT C1 – FRAMING AND INSULATION~~

- ~~1. Work of this Contract includes, but is not limited to, the following:~~
 - ~~a. Provide and Install:~~
 - ~~1) Interior wood framing and sheathing including studs, joists, headers, decking, and miscellaneous blocking.~~
 - ~~2) Interior insulation~~
 - ~~3) Exterior wood stairs, deck, and railing.~~
 - ~~4) All temporary facilities and controls required to complete the work of this contract.~~
 - ~~b. Applicable contract sections:~~
 - ~~1) Drawings:~~
 - ~~a) Structural~~
 - ~~b) Architectural~~
 - ~~2) Specifications:~~
 - ~~a) Div 00 – Procurement and Contracting Requirements~~
 - ~~b) Div 01 – General Requirements~~
 - ~~c) Div 06 – Wood, Plastics, and Composites~~
 - ~~d) Div 07 – Thermal and Moisture Protection~~
- ~~2. Temporary facilities and controls in this contract include, but are not limited to, the following:~~

omit

~~a. Temporary facilities and controls not explicitly assigned to other contracts.~~

D. CONTRACT C2 – GYPSUM BOARD

1. Work of this Contract includes, but is not limited to, the following:
 - a. Provide and Install:
 - 1) Interior gypsum board installation and finishing
 - 2) Interior painting
 - 3) All temporary facilities and controls required to complete the work of this contract.
 - b. Applicable sections:
 - 1) Drawings:
 - a) Structural
 - b) Architectural
 - 2) Specifications:
 - a) Div 00 - Procurement and Contracting Requirements
 - b) Div 01 – General Requirements
 - c) Div 09 - Finishes

E. CONTRACT C3 – ALUMINIUM-FRAMED ENTRANCES AND STOREFRONTS

1. Work of this Contract includes, but is not limited to, the following:
 - a. Provide and Install:
 - 1) Aluminum-framed windows and doors as scheduled.
 - 2) All temporary facilities and controls required to complete the work of this contract.
 - b. Applicable sections:
 - 1) Drawings:
 - a) Architectural
 - 2) Specifications:
 - a) Div 00 - Procurement and Contracting Requirements
 - b) Div 01 – General Requirements
 - c) Div 08 - Openings
 - c. Temporary facilities and controls not explicitly assigned to other contracts.

F. CONTRACT C4 – INTERIOR WOOD DOORS AND HOLLOW METAL FRAMES

1. Work of this Contract includes, but is not limited to, the following:
 - a. Provide and Install:
 - 1) Interior doors and frames, including hardware and glazing.
 - 2) All temporary facilities and controls required to complete the work of this contract.
 - b. Applicable sections:
 - 1) Drawings:
 - a) Architectural
 - 2) Specifications:
 - a) Div 00 - Procurement and Contracting Requirements
 - b) Div 01 – General Requirements
 - c) Div 08 - Openings
 - c. Temporary facilities and controls not explicitly assigned to other contracts.

G. CONTRACT C5 – POLYCARBONATE PANELS

1. Work of this Contract includes, but is not limited to, the following:
 - a. Provide and Install:
 - 1) Polycarbonate glazing units as shown on the schedule.
 - 2) All temporary facilities and controls required to complete the work of this contract.
 - b. Applicable sections:
 - 1) Drawings:
 - a) Architectural
 - 2) Specifications:
 - a) Div 00 - Procurement and Contracting Requirements
 - b) Div 01 – General Requirements
 - c) Div 08 - Openings
 - c. Temporary facilities and controls not explicitly assigned to other contracts.

H. CONTRACT C6 – SPECIALITES

1. Work of this Contract includes, but is not limited to, the following:
 - a. Provide and Install:
 - 1) Toilet partitions
 - 2) Bath accessories.
 - 3) Signage
 - 4) Fire extinguishers and cabinets
 - 5) All temporary facilities and controls required to complete the work of this contract.
 - b. Applicable sections:
 - 1) Drawings:
 - a) Architectural
 - 2) Specifications:
 - a) Division 00 - Procurement and Contracting Requirements
 - b) Division 01 – General Requirements
 - c) Div 10 - Specialties

I. CONTRACT C7 – FLOORING

1. Work of this Contract includes, but is not limited to, the following:
 - a. Provide and Install:
 - 1) Polished concrete floors.
 - 2) Sealed concrete floor
 - 3) Vinyl base, treads, risers, and stringers
 - 4) All temporary facilities and controls required to complete the work of this contract.
 - b. Applicable sections:
 - 1) Drawings:
 - a) Architectural
 - 2) Specifications:
 - a) Div 00 - Procurement and Contracting Requirements
 - b) Div 01 – General Requirements
 - c) Div 03 - Concrete
 - d) Div 09 – Finishes

~~**J. CONTRACT C8 – CASEWORK AND COUNTERTOPS**~~

- ~~1. Work of this Contract includes, but is not limited to, the following:~~
 - ~~a. Provide and Install:~~
 - ~~1) Casework.~~
 - ~~2) Countertops.~~
 - ~~3) Solid surfacing sills.~~
 - ~~4) All temporary facilities and controls required to complete the work of this contract.~~
 - ~~b. Applicable sections:~~
 - ~~1) Drawings:~~
 - ~~a) Architectural~~
 - ~~2) Specifications:~~
 - ~~a) Div 00 – Procurement and Contracting Requirements~~
 - ~~b) Div 01 – General Requirements~~
 - ~~c) Div 06 – Wood and Plastics~~
 - ~~d) Div 09 – Finishes~~

omit

K. CONTRACT C9 – INTERIOR PAINTING AND ACOUSTICAL CEILINGS

1. Work of this Contract includes, but is not limited to, the following:
 - a. Provide and Install:
 - 1) Gypsum board painting
 - 2) Interior door and frame painting.
 - 3) All temporary facilities and controls required to complete the work of this contract.
 - b. Applicable sections:
 - 1) Drawings:
 - a) Architectural
 - 2) Specifications:
 - a) Div 00 - Procurement and Contracting Requirements

- b) Div 01 – General Requirements
- c) Div 03 - Concrete
- d) Div 09 – Finishes

L. CONTRACT C10 – ATHLETIC EQUIPMENT

1. Work of this Contract includes, but is not limited to, the following:
 - a. Provide and Install:
 - 1) Wall protection pads
 - 2) Gymnasium curtain
 - 3) All temporary facilities and controls required to complete the work of this contract.
 - b. Applicable sections:
 - 1) Drawings:
 - a) Architectural
 - 2) Specifications:
 - a) Div 00 - Procurement and Contracting Requirements
 - b) Div 01 – General Requirements
 - c) Div 11 - Equipment

M. CONTRACT D - PLUMBING

1. Work of the Plumbing Contract includes, but is not limited to, the following:
 - a. Provide and Install:
 - 1) Facility water supply piping
 - 2) Facility waste and vent piping
 - 3) Fixtures and equipment
 - 4) All temporary facilities and controls required to complete the work of this contract.
 - b. Applicable sections:
 - 1) Drawings:
 - a) M102 – Plumbing Plan
 - 2) Specifications:
 - a) Div 00 - Procurement and Contracting Requirements
 - b) Div 01 – General Requirements
 - c) Div 22 - Plumbing

N. CONTRACT E – FIRE SPRINKLER

1. Work of the Fire Sprinkler Contract includes, but is not limited to, the following:
 - a. Provide and Install:
 - 1) A complete NFPA 13 fire suppression system, including water service.
 - 2) All temporary facilities and controls required to complete the work of this contract.
 - b. Applicable sections:
 - 1) Drawings:
 - a) M103 – Fire Suppression
 - 2) Specifications:
 - a) Div 00 - Procurement and Contracting Requirements
 - b) Div 01 – General Requirements
 - c) Div 21 – Fire Suppression

O. CONTRACT F - HVAC

1. Work of the HVAC Contract includes, but is not limited to, the following:
 - a. Provide and Install:
 - 1) Facility heating, ventilation, and air conditioning systems.
 - 2) All temporary facilities and controls required to complete the work of this contract.
 - b. Applicable sections:
 - 1) Drawings:
 - a) M101 – HVAC Plan
 - 2) Specifications:
 - a) Div 00 - Procurement and Contracting Requirements
 - b) Div 01 – General Requirements
 - c) Div 23 – Mechanical

P. PACKAGE G - ELECTRICAL

1. Work of the Electrical Contract includes, but is not limited to, the following:
 - a. Provide and Install:
 - 1) New primary service, including backfeeding the existing buildings
 - 2) Facility power
 - 3) Facility lighting
 - 4) Fire alarm system
 - 5) All temporary facilities and controls required to complete the work of this contract.
 - b. Applicable sections:
 - 1) Drawings:
 - a) Electrical
 - 2) Specifications:
 - a) Div 00 - Procurement and Contracting Requirements
 - b) Div 01 – General Requirements
 - c) Div 26 – Electrical

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01 12 00

NEWTON CHURCH ADDITION

2306 S 3RD AVE E, NEWTON, IOWA 50208

DESIGN CODES & LOADS:

THE STRUCTURAL DESIGN OF THIS PROJECT SHALL BE IN ACCORDANCE WITH THE "2015 INTERNATIONAL BUILDING CODE" (IBC), "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES" (ASCE/SEI 7-10), AND APPLICABLE REFERENCED STANDARDS. ALL LOADS REQUIRED FOR DESIGN BY OTHERS AND NOT LISTED BELOW SHALL BE IN ACCORDANCE WITH THESE REQUIREMENTS.

OCCUPANCY CATEGORY: "II"

ROOF LIVE LOADS:	
GROUND SNOW	Pg = 30 psf
EXPOSURE FACTOR	Ce = 1.0
IMPORTANCE FACTOR	I = 1.0
THERMAL FACTOR	Ct = 1.0
MINIMUM ROOF SNOW LOAD	Pf = 25 psf
"DRIFTING & UNBALANCED LOADS SHALL BE IN ACCORDANCE WITH ASCE/SEI 7 CALCULATED WITH Pf AND Pg SPECIFIED	

FLOOR LIVE LOADS:	
STAIRS & EXITS	100 psf
MOVABLE SEATING	100 psf

WIND LOADS:	
ULTIMATE WIND SPEED (3 SEC GUST)	115 MPH
IMPORTANCE FACTOR	I = 1.0
EXPOSURE CATEGORY	B
INTERNAL PRESSURE COEFFICIENT	± 0.18

COMPONENT & CLADDING PRESSURES (ULTIMATE)	LOCATION	INTERIOR ZONES	END ZONES (a = X H)	CORNER ZONES (a = X H)
ROOFS		± 20 psf	± 25 psf	± 25 psf
WALLS		± 20 psf	± 25 psf	N/A

SEISMIC LOADS:	
SITE CLASS	D
DESIGN CATEGORY	B
IMPORTANCE FACTOR	I = 1.0

GENERAL NOTES:

ELEVATIONS NOTED THUS +[12'-8"] ARE TO TOP OF SLABS, BEAMS OR OTHER STRUCTURAL FEATURES WITH REFERENCE TO THE FINISHED FIRST LEVEL FLOOR SLAB = [0'-0"].

FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, AND ELEVATIONS PRIOR TO FABRICATION AND/ OR CONSTRUCTION OF ANY ITEMS. REPORT ANY DISCREPANCIES TO ARCHITECT AND ENGINEER.

STRUCTURAL DRAWINGS SHALL BE COORDINATED WITH SITE, ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS AND BETWEEN DRAWINGS AND SPECIFICATIONS. REPORT ANY DISCREPANCIES AND/ OR INTERFERENCE PROBLEMS TO ARCHITECT AND ENGINEER.

VERIFY SIZE AND LOCATION OF ALL OPENINGS OR INSERTS AS REQUIRED BY MECHANICAL, ELECTRICAL OR PLUMBING CONTRACTORS. ANY OPENINGS OR INSERTS SHOWN ON STRUCTURAL DRAWINGS ARE FOR GENERAL INFORMATION ONLY AND SHALL BE VERIFIED PRIOR TO FRAMING.

NO BEAMS, JOISTS, COLUMNS OR SLABS SHALL BE FIELD CUT OR MODIFIED WITHOUT THE STRUCTURAL ENGINEER'S WRITTEN APPROVAL.

SHOP DRAWINGS, MIX DESIGNS, PRODUCT DATA, AND CALCULATIONS SCHEDULED BELOW SHALL BE SUBMITTED FOR APPROVAL OF ALL STRUCTURAL COMPONENTS PRIOR TO FABRICATION AND/ OR CONSTRUCTION. SEE SPECIFICATIONS FOR SUBMITTAL REQUIREMENTS.

- CONCRETE & REINFORCEMENT
 - CONCRETE MIX DESIGN
 - REINFORCING STEEL DRAWINGS
 - SLAB-ON-GRADE JOINT LAYOUT
- STRUCTURAL STEEL
 - ANCHOR BOLT LAYOUT
 - INTELS & EMBEDS FOR MASONRY
 - ERECTION & PIECE DRAWINGS FOR FRAMING
 - ERECTION & PIECE DRAWINGS FOR STAIRS & MISCELLANEOUS METALS
 - STRUCTURAL CALCULATIONS FOR STAIRS
- STEEL JOISTS & DECK
 - ERECTION DRAWINGS & DETAILS
- LIGHT GAGE FRAMING
 - STRUCTURAL CALCULATIONS
 - FRAMING DRAWINGS & DETAILS
- WOOD TRUSSES
 - STRUCTURAL CALCULATIONS
 - TRUSS LAYOUT AND PROFILES

ANY ENGINEERING DESIGN PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW OR RECORD SHALL BEAR THE STAMP AND SIGNATURE OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED.

CONTRACTOR IS RESPONSIBLE TO CHECK SHOP DRAWINGS, ETC PRIOR TO SUBMITTAL TO ARCHITECT OR ENGINEER. SHOP DRAWINGS NOT CHECKED WILL BE RETURNED. CONTRACTOR SHALL VERIFY DIMENSIONS, QUANTITIES, AND COORDINATE WITH ALL OTHER TRADES.

SPECIAL INSPECTIONS & TESTING SCHEDULE:

A SPECIAL INSPECTION AND TESTING PROGRAM SHALL BE PERFORMED IN ACCORDANCE WITH CHAPTER 17 OF THE IBC AND THE PROJECT MANUAL.

A SPECIAL INSPECTION AND TESTING PROGRAM REVIEW MEETING IS REQUIRED PRIOR TO CONSTRUCTION. THE STRUCTURAL ENGINEER, SPECIAL INSPECTOR, CITY INSPECTOR, GENERAL CONTRACTOR, AND ALL SUBCONTRACTORS PERFORMING STRUCTURAL WORK SHALL BE IN ATTENDANCE.

THE FOLLOWING ITEMS SHALL BE INCLUDED IN THE SPECIAL INSPECTION AND TESTING PROGRAM:

- SPECIAL GRADING, EXCAVATION AND FILLING
 - SUBGRADE PREPARATION
 - VERIFY COMPACTION OF FILL MATERIAL
 - VERIFY DESIGN BEARING CAPACITY
 - EXPANSIVE SOIL CHARACTERISTICS
- STEEL REINFORCEMENT
 - PLACEMENT INSPECTION
 - WELDED REINFORCEMENT
- CONCRETE
 - AIR TESTS
 - SLUMP TESTS
 - CONCRETE TEMPERATURE
 - COMPRESSION TESTS
 - POST INSTALLED ANCHORS
- BOLTS INSTALLED IN CONCRETE
 - PRIOR TO AND DURING CONCRETE PLACEMENT
- STRUCTURAL WELDING (PERIODIC VISUAL INSPECTIONS)
 - SINGLE PASS FILLET WELDS
 - STEEL DECK
 - WELDED STUDS
 - COLD FORMED STUDS & JOISTS
 - STAIR & RAILING SYSTEMS

AS PRESCRIBED IN SECTION 1704.2.5 OF THE IBC, SPECIAL INSPECTIONS ARE NOT REQUIRED FOR STRUCTURAL STEEL FABRICATION PROVIDED THAT THE WORK IS DONE ON THE PREMISES OF A FABRICATOR THAT IS ASC CERTIFIED.

CONSTRUCTION PROCEDURES & SAFETY REQUIREMENTS:

COMPLY WITH ALL APPLICABLE CITY, COUNTY, STATE, AND FEDERAL LAWS, INCLUDING THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) AND REGULATIONS ADOPTED PURSUANT THERETO.

THE STRUCTURAL CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS AND METHODS OF CONSTRUCTION, UNLESS NOTED OR INDICATED OTHERWISE.

ENGAGE PROPERLY QUALIFIED PERSONS TO DETERMINE WHERE AND HOW TEMPORARY PRECAUTIONARY MEASURES SHALL BE USED.

PROVIDE ALL MEASURES NECESSARY TO PROTECT THE WORKERS AND ALL OTHER PERSONS DURING CONSTRUCTION. PROVIDE ALL NECESSARY MEASURES TO AVOID EXCESSIVE STRESSES AND TO HOLD THE STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO: BRACING, SHORING FOR CONSTRUCTION EQUIPMENT, SHORING FOR EARTH BANS, FORMS, SCAFFOLDING, PLANING, SAFETY NETS, SUPPORT AND BRACING FOR CRANES AND HOSTS, GUTTING, ETC.,...

SUPERVISE AND DIRECT THE WORK SO AS TO MAINTAIN SOLE RESPONSIBILITY FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES.

OBSERVATION VISITS TO THE SITE BY STRUCTURAL ENGINEER'S FIELD REPRESENTATIVES SHALL NOT INCLUDE ABOVE NOTED ITEMS.

FOUNDATIONS:

FOUNDATION DESIGN IS BASED ON ASSUMED NET ALLOWABLE BEARING PRESSURES LISTED AS FOLLOWS PER SECTION 1806 OF THE IBC: 1500 psf AT CONTINUOUS FOOTINGS 1500 psf AT ISOLATED FOOTINGS.

IF UNSUITABLE BEARING SOILS ARE FOUND (SEE SPECIAL INSPECTIONS), OVER-EXCAVATE NATIVE SOILS BELOW FOOTINGS AND FOUNDATIONS AND REPLACE WITH COMPACTED, ENGINEERED FILL AS REQUIRED BY GEOTECHNICAL ENGINEER. OVER-EXCAVATION AND BACKFILL PROCEDURE SHALL EXTEND 9" Laterally BEYOND EDGE OF FOOTING IN ALL DIRECTIONS FOR EACH FOOT OF OVER-EXCAVATION DEPTH.]

[OVER-EXCAVATE NATIVE SOILS A MINIMUM OF TWO FEET BELOW FOOTINGS AND FOUNDATIONS AND REPLACE WITH COMPACTED, ENGINEERED FILL AS REQUIRED BY GEOTECHNICAL REPORT. OVER-EXCAVATION AND BACKFILL PROCEDURE SHALL EXTEND 9" Laterally BEYOND EDGE OF FOOTING IN ALL DIRECTIONS FOR EACH FOOT OF OVER-EXCAVATION DEPTH.]

FOOTING ELEVATIONS AND ALLOWABLE BEARING CAPACITIES ARE ESTIMATED PER THE IBC. BEARING CAPACITIES SHALL BE FIELD VERIFIED BY THE GEOTECHNICAL ENGINEER AS PART OF THE SPECIAL INSPECTION PROGRAM. NOTIFY THE STRUCTURAL ENGINEER IF INADEQUATE CONDITIONS ARE ENCOUNTERED.

IN LIEU OF OVER-EXCAVATION BELOW FOOTINGS, A GROUND IMPROVEMENT SOLUTION MAY BE DESIGNED (AGGREGATE PIERS, ETC.) TO PROVIDE A COMPARABLE OR HIGHER BEARING CAPACITY TO THAT SHOWN ABOVE. IF THIS OPTION IS CHOSEN & DESIGNED FOR, THE FOUNDATION PLAN WILL NOTE THIS.

ALL FOOTINGS SHALL BE EXTENDED TO FROST DEPTH AND BEAR 3'-6" BELOW ACTUAL GRADE DURING WINTER CONSTRUCTION SITUATIONS. CONSULT STRUCTURAL ENGINEER FOR REINFORCEMENT REVISIONS.

ALL FOOTINGS SHALL BE CENTERED UNDER WALLS OR COLUMNS UNLESS NOTED OTHERWISE.

WALLS BACKFILLED ON ONE SIDE ONLY SHALL BE BRACED, UNTIL BACKFILL AND TOP AND BOTTOM SLABS ARE IN PLACE.

INSTALL ANCHOR RODS AND DOWELS FROM TOP OF FOUNDATIONS ACCURATELY. SET WITH TEMPLATES AND PROTECT FROM DAMAGE OR MOVEMENT. INSERTING RODS OR DOWELS INTO PARTIALLY SET CONCRETE IS PROHIBITED. CONTRACTOR MAY USE POST-INSTALLED ANCHOR RODS WITH APPROVED CONSTRUCTION ADHESIVE IN LIEU OF CASTING IN PLACE AT NO ADDITIONAL COST. SUBMITTAL OF ANCHORS AND ADHESIVES IS REQUIRED PRIOR TO INSTALLATION AND SPECIAL INSPECTION IS TO BE PROVIDED BY THE CONTRACTOR.

PROVIDE SLEEVES FOR ALL PIPES, UTILITY LINES, AND OTHER PENETRATIONS THROUGH TRENCH FOOTINGS AND/ OR FOUNDATION WALLS. CORE DRILLING IS NOT PERMITTED.

REFER TO ARCHITECTURAL DRAWINGS FOR BRICK LEDGES IN CONCRETE FOUNDATION WALLS.

CONNECT NEW FOOTINGS OR FOUNDATION WALLS WHICH INTERSECT EXISTING FOOTINGS OR FOUNDATION WALLS WITH #5 X 2'-6" DOWELS DRILLED & EPOXIED 6" INTO EXISTING FOUNDATIONS. NUMBER AND SPACING OF DOWELS SHALL MATCH REINFORCEMENT IN NEW FOOTINGS OR FOUNDATION WALLS.

SLABS-ON-GRADE SHALL BE 5 INCHES THICK, UNLESS NOTED OTHERWISE. REINFORCE WITH 4x4-W4.0xW4.0 W.W.F. PLACED 2" BELOW TOP OF SLAB. WELDED WIRE FABRIC SHALL BE LAPPED TWO FULL PANELS AND TIED SECURELY.

SLABS-ON-GRADE SHALL BE PLACED ON 10 MIL VAPOR BARRIER OVER GRANULAR DRAINAGE FILL. DRAINAGE FILL SHALL BE A MINIMUM OF 4 INCHES THICK. TEST SUBGRADE SOILS FOR EXPANSIVE SOIL CHARACTERISTICS AS PART OF THE SPECIAL INSPECTION PROGRAM WHEN GEOTECHNICAL ENGINEERING REPORT IS NOT AVAILABLE. NOTIFY STRUCTURAL ENGINEER IF INADEQUATE CONDITIONS ARE ENCOUNTERED AND FOLLOW RECOMMENDATIONS OF GEOTECHNICAL ENGINEER.

IF DELETERIOUS MATERIALS ARE FOUND DURING SPECIAL INSPECTIONS, PROVIDE A BUFFER LAYER OF LOW PLASTICITY SOIL BELOW SLABS-ON-GRADE AS DIRECTED BY GEOTECHNICAL ENGINEER PERFORMING SPECIAL INSPECTIONS ITEM #1. BUFFER LAYER INCLUDES DRAINAGE FILL. SEE GEOTECHNICAL REPORT FOR LOW PLASTICITY SOIL REQUIREMENTS.

THICKEN SLABS-ON-GRADE UNDER NON-BEARING MASONRY WALLS AND REINFORCE PER PLANS AND DETAILS.

SLABS-ON-GRADE SHALL BE SEPARATED FROM ALL WALLS, COLUMNS, AND OTHER VERTICAL SURFACES WITH EXPANSION JOINTS.

PROVIDE CONTROL JOINTS IN SLABS-ON-GRADE AS SHOWN ON THE DRAWINGS. JOINTS SHALL BE 1/8" WIDE BY 1/4 OF THE SLAB THICKNESS. CUTTING OPERATIONS SHALL BE AS SOON AS POSSIBLE AFTER PLACING CONCRETE WITHOUT RAVELENG EDGES.

CONTRACTOR SHALL SUBMIT PROPOSED JOINT LAYOUT FOR APPROVAL WHEN JOINTS ARE NOT SHOWN ON DRAWINGS. MAXIMUM SPACING OF JOINTS SHALL BE 30 TIMES THE SLAB THICKNESS IN ANY DIRECTION. JOINT LAYOUT SHALL FORM A REGULAR GRID PATTERN WITH JOINTS INTERSECTING AT 90 DEGREES.

CONSTRUCTION JOINTS IN SLABS-ON-GRADE SHALL BE AT CONTROL JOINT LOCATIONS AS IDENTIFIED ABOVE WHEN ENTIRE FLOOR SLAB IS NOT PLACED IN ONE SEQUENCE. SEE DETAILS FOR PLATE DOWEL REQUIREMENTS.

REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF DEPRESSIONS IN SLABS-ON-GRADE.

CONCRETE AND REINFORCEMENT:

CONCRETE WORK SHALL BE IN ACCORDANCE WITH "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301)" AND "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318)" UNLESS NOTED OTHERWISE.

PROVIDE CONCRETE WITH MINIMUM 28 DAY COMPRESSIVE STRENGTH (f'c) AS SHOWN BELOW:

FOOTINGS	3,500 psi
FOUNDATION WALLS	4,000 psi
ALL OTHER CONCRETE	4,000 psi

PROVIDE CONCRETE WITH MAXIMUM WATER/CEMENT RATIO AS SHOWN BELOW:	
3,500 psi	0.50
4,000 psi	0.45
5,000 psi	0.40

CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGNS FOR EACH CLASS OF CONCRETE TO ENGINEER FOR WRITTEN APPROVAL MINIMUM OF 14 DAYS PRIOR TO PLACING CONCRETE.

CONCRETE SHALL CONSIST OF THE FOLLOWING:
PORTLAND CEMENT ASTM C150, TYPE I/II
NORMAL WEIGHT AGGREGATES ASTM C33
POTABLE WATER ASTM C94

REPLACEMENT OF PORTLAND CEMENT WITH FLY ASH SHALL NOT EXCEED 15% OF ALL CEMENTITIOUS MATERIALS.

MAXIMUM AGGREGATE SIZE SHALL BE 1".

ALL CONCRETE EXPOSED TO EARTH OR WEATHER SHALL HAVE AN AIR CONTENT AT POINT OF PLACEMENT OF 4% TO 7%.

WATER REDUCING ADMIXTURES (PLASTICIZERS AND SUPER PLASTICIZERS) MAY BE USED WHEN INCLUDED IN THE APPROVED CONCRETE MIX DESIGN.

NO MATERIAL CONTAINING CALCIUM CHLORIDE, SALT OR ANTIFREEZE AGENTS IS PERMITTED FOR USE IN CONCRETE.

SLUMP SHALL BE 3" TO 5" MAXIMUM FOR CONCRETE MIXES WITHOUT WATER REDUCING ADMIXTURES AND 4" TO 8" MAXIMUM WHEN WATER REDUCING ADMIXTURES ARE INCLUDED IN THE MIX DESIGN. REFER TO SPECIFICATIONS.

HOT WEATHER CONCRETE OPERATIONS SHALL BE IN ACCORDANCE WITH ACI 305.

COLD WEATHER CONCRETE OPERATIONS SHALL BE IN ACCORDANCE WITH ACI 306.

REINFORCING SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT" (ACI 315), UNLESS DETAILED OR NOTED OTHERWISE.

REINFORCING SHALL CONFORM TO THE FOLLOWING:
DEFORMED BARS ASTM A615, GRADE 60
WELDED DEFORMED BARS ASTM A706, GRADE 60
WELDED WIRE FABRIC (MATS ONLY) ASTM A185

REINFORCING STEEL SHALL BE SECURELY WIRED IN PLACE AND SUPPORTED PRIOR TO PLACING CONCRETE.

LAP ALL REINFORCING SPLICES THE GREATER OF 48 BAR DIAMETERS OR 2'-0" IN FOOTINGS & FOUNDATIONS AND SLABS-ON-GRADE UNLESS NOTED OTHERWISE. REINFORCING SPLICES AT ALL OTHER LOCATIONS SHALL HAVE CLASS B TENSION SPLICES.

PROVIDE CORNER BARS AT ALL INTERSECTIONS IN WALLS AND FOOTINGS. LAP 2'-0" WITH HORIZONTAL BARS IN EACH DIRECTION. MATCH SIZE AND SPACING OF HORIZONTAL BARS.

SPLICES IN VERTICAL REINFORCING ARE NOT PERMITTED, UNLESS NOTED OTHERWISE.

PROVIDE MINIMUM CONCRETE COVER OVER REINFORCING AS FOLLOWS:

CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH = 3"
EXPOSED TO EARTH OR WEATHER = 2"
NOT EXPOSED TO EARTH OR WEATHER OR IN CONTACT WITH THE GROUND = 2"

PROVIDE 3/4" CHAMFER ON ALL EXPOSED EDGES OF CONCRETE.

WOOD FRAMING:

ALL WOOD CONSTRUCTION TO BE DONE ACCORDING TO CHAPTER 23 OF THE IBC AND NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS 2018).

WALL STUD FRAMING: PROVIDE LUMBER AND MATERIALS MEETING OR EXCEEDING THE FOLLOWING STANDARDS OF QUALITY AND MINIMUM BASE DESIGN VALUES: VISUALLY GRADED DOUGLAS FIR-LARCH OR SPRUCE-PINE-FIR NO. 2 OR BETTER.

875 psi EXTREME FIBER STRESS IN BENDING (SINGLE); Fb
1,150 psi COMPRESSION PARALLEL TO GRAIN; Fc
1,400,000 psi MODULUS OF ELASTICITY; E

SAWN LUMBER HEADERS, BEAMS, AND JOISTS: PROVIDE LUMBER AND MATERIALS MEETING OR EXCEEDING THE FOLLOWING STANDARDS OF QUALITY AND MINIMUM BASE DESIGN VALUES: VISUALLY GRADED DOUGLAS FIR-LARCH NO. 2 OR BETTER

900 psi EXTREME FIBER STRESS IN BENDING; Fb
1,350 psi COMPRESSION PARALLEL TO GRAIN; Fc
1,600,000 psi MODULUS OF ELASTICITY; E
ALL HEADERS, BEAMS, AND JOISTS SHALL BE FREE FROM SPLITS, CHECKS AND SHAKES.

PRESERVATIVE PRESSURE TREATED FRAMING LUMBER: PROVIDE LUMBER AND MATERIALS MEETING OR EXCEEDING THE FOLLOWING STANDARDS OF QUALITY AND MINIMUM BASE DESIGN VALUES: VISUALLY GRADED SOUTHERN PINE NO. 2 OR BETTER:

975 psi EXTREME FIBER STRESS IN BENDING (SINGLE); Fb
1,450 psi COMPRESSION PARALLEL TO GRAIN; Fc
1,600,000 psi MODULUS OF ELASTICITY; E

ALL PRESERVATIVE PRESSURE TREATED LUMBER SHALL CONFORM TO AWP A STANDARDS.

LAMINATED VENEER LUMBER (LVL) HEADERS AND BEAMS: PROVIDE LUMBER AND MATERIALS MEETING OR EXCEEDING THE FOLLOWING STANDARDS OF QUALITY AND MINIMUM BASE DESIGN VALUES:

2,400 psi FLEXURAL STRESS; Fb
2,510 psi COMPRESSION PARALLEL TO GRAIN; Fc
1,900,000 psi MODULUS OF ELASTICITY; E
118,750 psi SHEAR MODULUS OF ELASTICITY; G

ALL FASTENERS TO BE GALVANIZED IN AREAS DIRECTLY EXPOSED TO EXTERIOR ELEMENTS OR PRESERVATIVE PRESSURE TREATED MATERIAL.

ALL NAILED AND GLUED MEMBERS TO BE IN CLEAN AND DRY CONDITION PRIOR TO GLUING. ADHESIVE SHALL COMPLY WITH ANSI/ATC A190.1-1983.

PLYWOOD AND BUILT UP BEAMS TO BE IN COMPLIANCE WITH IBC STD.#25-18.

ALL WOOD FRAMING MEMBERS TO HAVE A MOISTURE CONTENT NOT TO EXCEED 19%.

ALL ROOF AND WALL SHEATHING TO BE 5/8" APA RATED UNLESS NOTED OTHERWISE.

SHEATHING ON WALLS TO HAVE STAGGERED VERTICAL JOINTS.

ALL MANUFACTURED FLOOR JOISTS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

PROVIDE SOLID WOOD BLOCKING IN FLOOR SYSTEM WHERE CONCENTRATED LOADS OCCUR SO AS TO TRANSFER LOAD TO FRAMED WALL, BEAM, HEADER, OR FOUNDATION WALL BELOW.

NAILS AND STAPLES SHALL CONFORM TO REQUIREMENTS OF ASTM F 1667.

CONNECTIONS AND FASTENERS: NUMBER AND SIZE SHALL NOT BE LESS THAN THAT SET FORTH IN TABLE 2304.10.1 OF THE IBC

ALL LAG SCREW CONNECTIONS TO BE PRE-DRILLED.

ALL GIRDERS, BEAMS, AND HEADERS TO BE SUPPORTED BY A MIN. OF 3 STUDS (2 CRIPPLE, 1 KING)

ALL MULTI-PLY MEMBERS ARE TO BE CONNECTED TOGETHER ACCORDING TO MANUFACTURER'S SPECIFICATIONS TO ACT AS ONE SOLID MEMBER.

NOTE:
CAREFUL OBSERVATIONS SHOULD BE PERFORMED BY A GEOTECHNICAL ENGINEER AT THE TIME OF CONSTRUCTION OF FOUNDATIONS, TO DETERMINE THAT THE SOILS AT BEARING LEVEL ARE CAPABLE OF PROVIDING THE RECOMMENDED BEARING PRESSURE. IF SOFT, COMPRESSIBLE, EXPANSIVE, OR OTHERWISE UNSUITABLE MATERIAL IS ENCOUNTERED, USE PROCEDURES RECOMMENDED FOR "OVER-EXCAVATION AND COMPACTED BACKFILL" BY SOILS ENGINEER.

NOTE:
THIS IS A FOOTING AND FOUNDATION DRAWING AND IS TO BE USED FOR THAT PURPOSE ONLY. CODES REGARDING FIRE SAFETY, PERSONAL SAFETY AND INJURY ARE NOT ADDRESSED IN THIS DRAWING AND ARE THE RESPONSIBILITY OF THE OWNER.

NOTE:
CONTRACTOR TO VERIFY ALL DIMENSIONS. REPORT DISCREPANCIES TO PROJECT ENGINEER

NOTE:
SEE METAL BUILDING MANUFACTURER'S ANCHOR BOLT PLACEMENT PLAN FOR EXACT LOCATION OF METAL BUILDING COLUMNS.

NOTE:
BUILDING FLOOR SLAB MUST BE POURED (w/ HAIRPINS AND/OR CROSS TIES IN PLACE AS SHOWN ON PLAN) AND HAVE DEVELOPED A MINIMUM STRENGTH OF 2000 psi BEFORE METAL BUILDING STRUCTURE IS ERECTED.

NOTE:
SHEETS ARE 11x17

PRE-ENGINEERED METAL BUILDING

PROVIDE A COMPLETE, INTEGRATED SET OF MUTUALLY DEPENDENT COMPONENTS AND ASSEMBLIES THAT FORM A METAL BUILDING SYSTEM CAPABLE OF WITHSTANDING STRUCTURAL AND OTHER LOADS, THERMALLY INDUCED MOVEMENT, AND EXPOSURE TO WEATHER WITHOUT FAILURE OR INFILTRATION OF WATER INTO THE BUILDING INTERIOR. INCLUDE PRIMARY AND SECONDARY FRAMING, AND ACCESSORIES COMPLYING WITH THE REQUIREMENTS INDICATED.

ALL DESIGN, DETAILING, FABRICATION AND ERECTION OF PRE-ENGINEERED METAL BUILDING SYSTEMS SHALL CONFORM TO AISC MANUAL OF STEEL CONSTRUCTION, MBMA METAL BUILDING SYSTEMS MANUAL, INTERNATIONAL BUILDING CODE, AND ASCE 7.

STRUCTURAL DESIGN FOR THE BUILDING STRUCTURAL SYSTEM SHALL BE PROVIDED BY THE BUILDING MANUFACTURER FOR THE FOLLOWING DESIGN CRITERIA:

- SELF WEIGHT OF ALL COMPONENTS AND FINISHES.
- ROOF SNOW LOADS SPECIFIED IN "DESIGN CODES & LOADS".
 - FLAT ROOF SPECIFIED SHALL BE USED IN LIEU OF VALUES DETERMINED BY EQN. 7.3-1 OF ASCE/SEI 7.
 - DRIFTING AND UNBALANCED LOADS SHALL BE CALCULATED WITH GROUND SNOW AND FLAT ROOF SNOW LOADS SPECIFIED.
- COLLATERAL LOADS LISTED IN "DESIGN CODES & LOADS" WHICH INCLUDES LIGHTING, MECHANICAL AND SPRINKLER SYSTEMS
- WIND LOADS IN ACCORDANCE WITH ASCE 7 BASED ON CRITERIA LISTED IN "DESIGN CODES & LOADS".
- SEISMIC LOADS IN ACCORDANCE WITH ASCE 7 OR IBC BASED ON CRITERIA LISTED IN "DESIGN CODES & LOADS".
- LOAD COMBINATIONS SHALL BE IN ACCORDANCE WITH ASCE 7 OR IBC.
- MAXIMUM ALLOWABLE DEFLECTION LIMITS:
 - PURLINS & RAFTERS: VERTICAL DEFLECTION OF 1/180 OF THE SPAN.
 - GIRTS: HORIZONTAL DEFLECTION OF 1/90 OF THE SPAN.
- METAL ROOF PANELS: VERTICAL DEFLECTION OF 1/60 OF THE SPAN.
- METAL WALL PANELS: HORIZONTAL DEFLECTION OF 1/60 OF THE SPAN
- DESIGN SECONDARY FRAMING SYSTEM TO ACCOMMODATE DEFLECTION OF PRIMARY FRAMING AND CONSTRUCTION TOLERANCES AND TO MAINTAIN CLEARANCES AT OPENINGS.
- ALLOWABLE DRIFT LIMITS:
 - RIGID FRAMES & COLUMNS = ALLOWABLE DRIFT OF H/200 AT TOP OF FRAME OR COLUMN

THIS BUILDING IS LOCATED ADJACENT TO AN EXISTING BUILDING. ALL DEFLECTIONS & BUILDING MOVEMENT SHALL BE ACCOUNTED FOR BY THE METAL BUILDING SUPPLIER/DESIGNER TO ENSURE NO UNINTENTIONAL INTERFERENCE/CONTACT BETWEEN THE BUILDINGS. ASSOCIATED DETAILS FOR STRUCTURAL COMPONENTS ARE THE RESPONSIBILITY OF THE METAL BUILDING SUPPLIER. NOTIFY THE DESIGN TEAM IF CHANGES TO LOCATION OF PROPOSED BUILDING ARE RECOMMENDED FOR ECONOMY.

METAL BUILDING SYSTEM SHALL BE DESIGNED SUCH THAT OUT TO OUT DIMENSIONS OF METAL PANELS MATCH OUT TO OUT DIMENSIONS ON ARCHITECTURAL DRAWINGS. END WALL COLUMNS SHALL BE LOCATED AS REQUIRED FOR SELECTED GIRT SYSTEM. INTERIOR RIGID FRAME SHALL BE LOCATED AS SHOWN.

SUBMIT PRELIMINARY DESIGN SHOP DRAWINGS TO ARCHITECT FOR REVIEW PRIOR TO FINAL DESIGN. PRELIMINARY DRAWINGS SHALL INCLUDE ALL PLANS, ELEVATIONS, SECTIONS AND DETAILS REQUIRED TO FABRICATE AND ERECT THE METAL BUILDING SYSTEM. DRAWINGS AND CALCULATIONS SHALL BEAR THE STAMP AND SIGNATURE OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF IOWA.

SUBMIT FINAL SHOP DRAWINGS AND STRUCTURAL CALCULATIONS FOR APPROVAL PRIOR TO FABRICATION. DRAWINGS SHALL INCLUDE ANCHOR BOLT LAYOUT PLAN, COLUMN REACTIONS, AND ELEVATIONS WITH DOOR/ OPENING PLACEMENT. DRAWINGS AND CALCULATIONS SHALL BEAR THE STAMP AND SIGNATURE OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF IOWA.

APPROVED AND DESIGNED OPENINGS IN STEEL MEMBERS SHALL BE SHOWN ON SHOP DRAWINGS. CUTTING OR BURNING HOLES IN FIELD IS NOT PERMITTED WITHOUT PRIOR WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER AND THE METAL BUILDING MANUFACTURER'S STRUCTURAL ENGINEER.

PROVIDE ONE COAT SHOP APPLIED PRIMER TO ALL METAL BUILDING SYSTEM COMPONENTS.

DRAWING INDEX

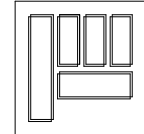
- S001 GENERAL NOTES
- S002 SCHEDULES
- S101 FOUNDATION PLAN
- S102 MEZZANINE PLAN
- S103 ROOF PLAN
- S401 ENLARGED STAIR PLANS
- S501 PEMB FOUNDATION DETAILS
- S502 MEZZANINE FOUNDATION DETAILS
- S503 MEZZANINE FRAMING DETAILS
- S504 EXTERIOR STAIR DETAILS



I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.
THIS NOTICE COVERS DRAWINGS S001-S504

SIGNATURE: *[Signature]* JAMES E. TOMETICH
NAME: 11121
DATE: June 2, 2025
MY REGISTRATION EXPIRES ON: 31-DECEMBER-2026

TOMETICH ENGINEERING, INC.
10501 Buena Vista Court
Urbandale, IA 50322
(p) 515-280-8022 (f) 515-727-9124
http://www.tometichengineering.com



NEWTON CHURCH ADDITION
2306 S 3RD AVE E
NEWTON, IOWA 50208

ISSUE / REVISION

No.	Description For Bid and Permit	Date
1	Addendum 1	05/20/2025 06/02/2025

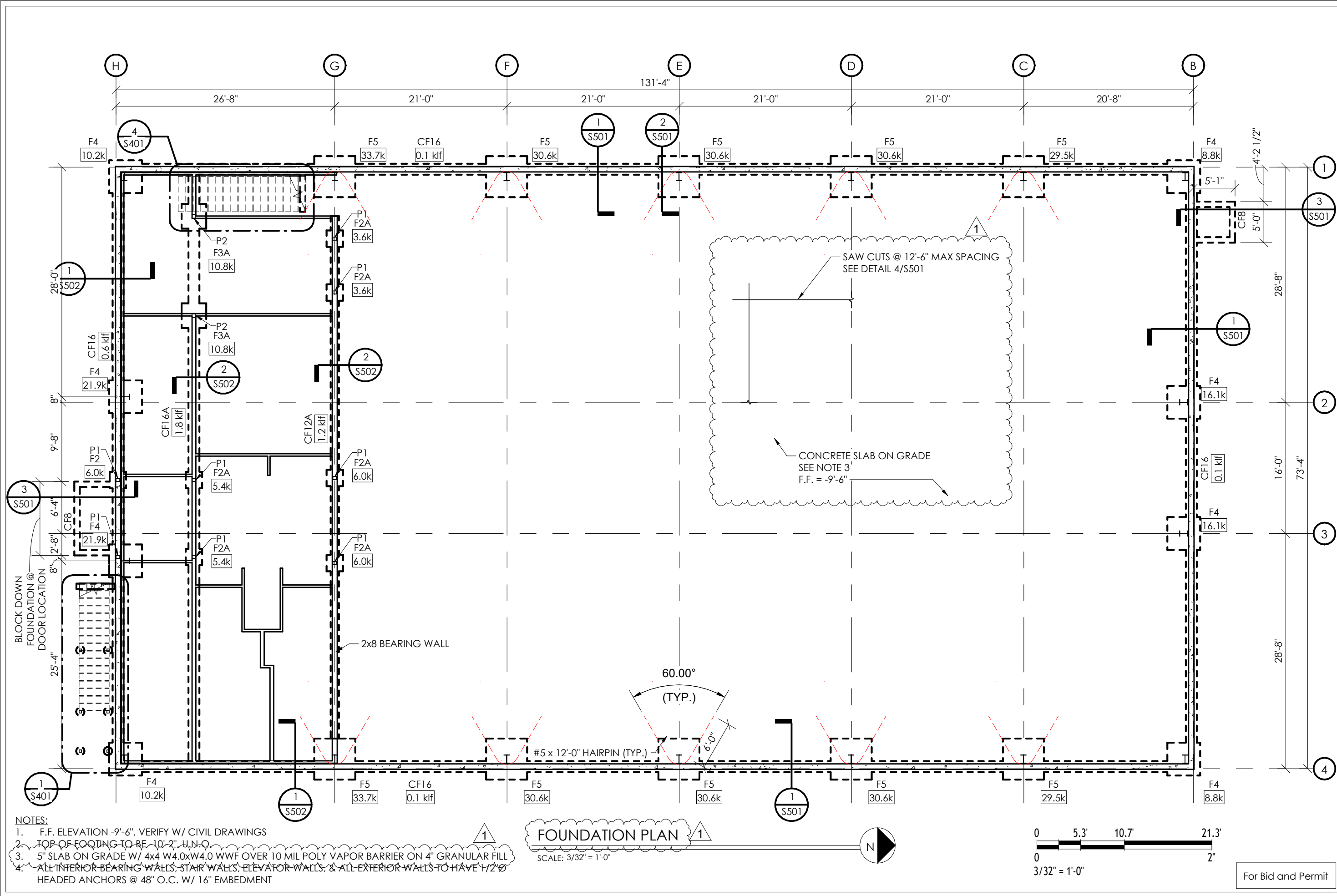
GENERAL NOTES

DATE: 06/02/2025
FILE: U25-070
ENG: BTH DSN: CML

S001

For Bid and Permit

NOTE:
FOUNDATIONS AND ANCHOR EMBED BASED ON PRELIMINARY PEMB REACTIONS. FINAL DESIGN AND REVIEW TO BE COMPLETED AFTER FINAL PEMB REACTIONS ARE PROVIDED.

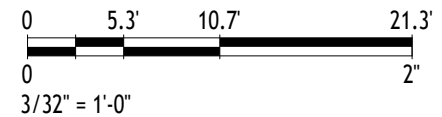


- NOTES:
1. F.F. ELEVATION -9'-6", VERIFY W/ CIVIL DRAWINGS
 2. TOP OF FOOTING TO BE -10'-2" U.N.C.
 3. 5" SLAB ON GRADE W/ 4x4 W4.0xW4.0 WWF OVER 10 MIL POLY VAPOR BARRIER ON 4" GRANULAR FILL
 4. ALL INTERIOR BEARING WALLS, STAIR WALLS, ELEVATOR WALLS, & ALL EXTERIOR WALLS TO HAVE 1/2" Ø HEADED ANCHORS @ 48" O.C. W/ 16" EMBEDMENT

FOUNDATION PLAN

SCALE: 3/32" = 1'-0"

N



For Bid and Permit

TOMETICH ENGINEERING, INC.
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NEWTON CHURCH ADDITION
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NEWTON, IOWA 50208

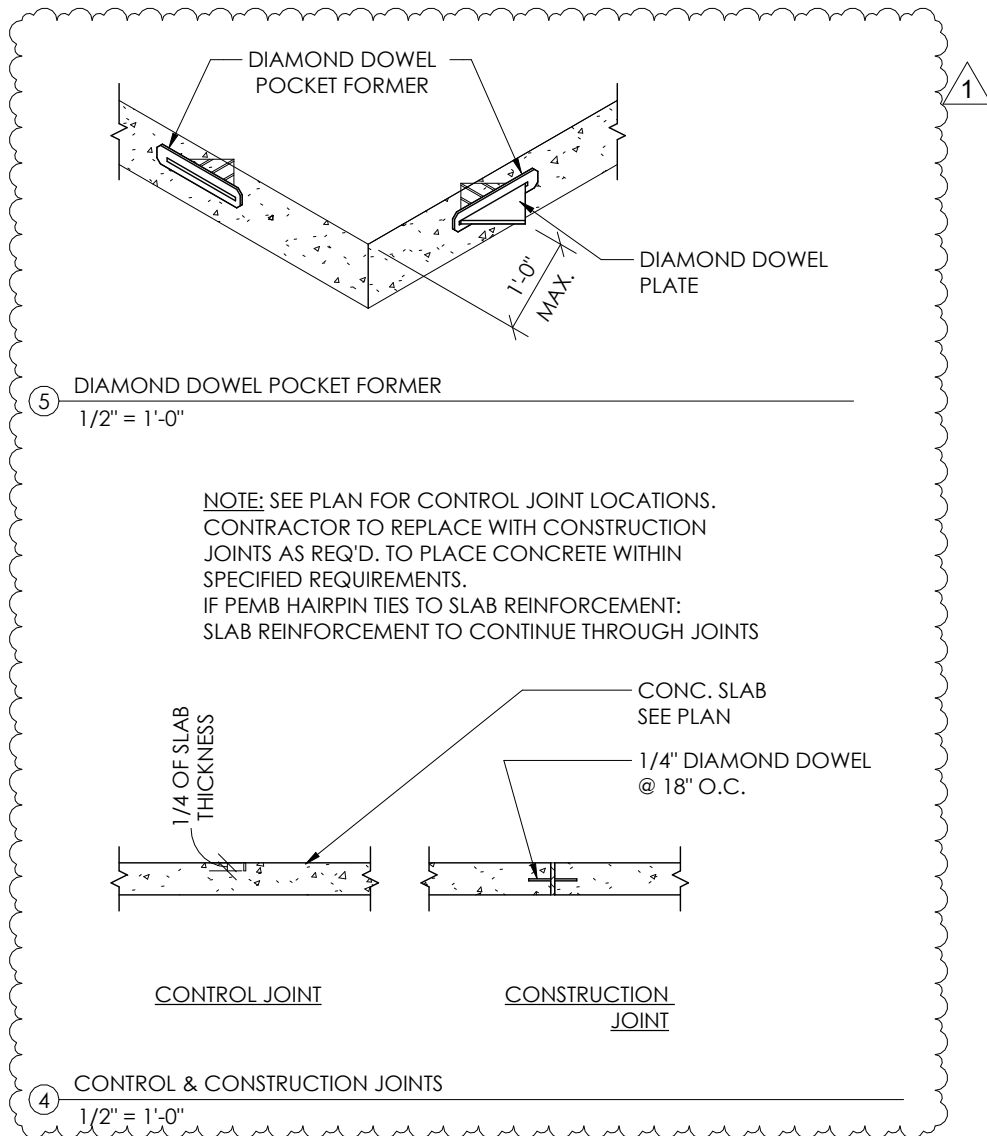
ISSUE / REVISION	
No.	Description
1	For Bid and Permit
2	Addendum 1

DATE: 06/02/2025
FILE: U25-070
ENG: BTH DSN: CML

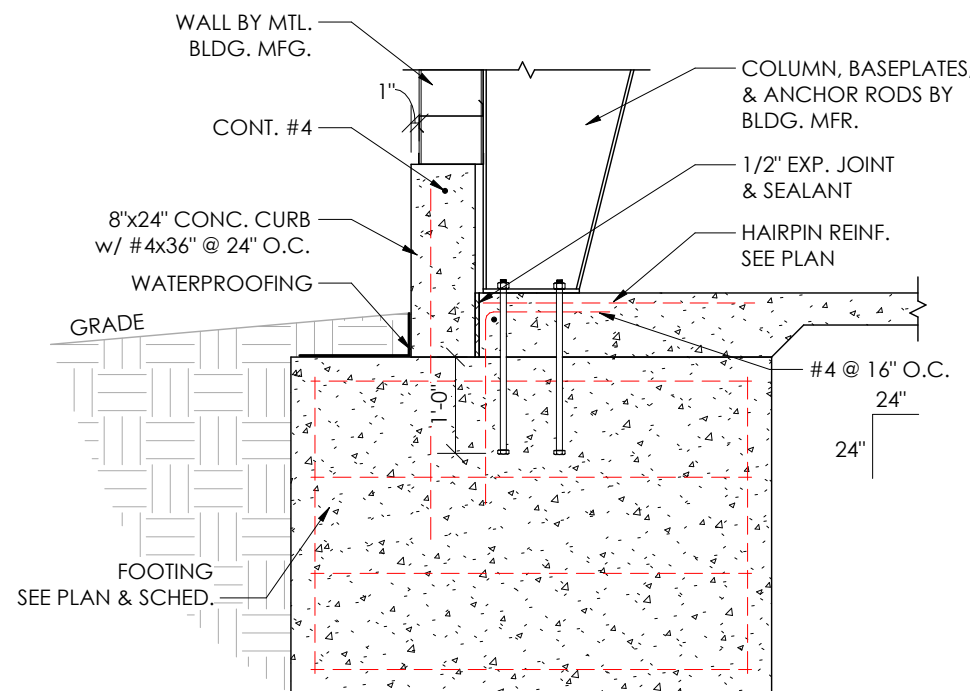
S101

FOUNDATION PLAN

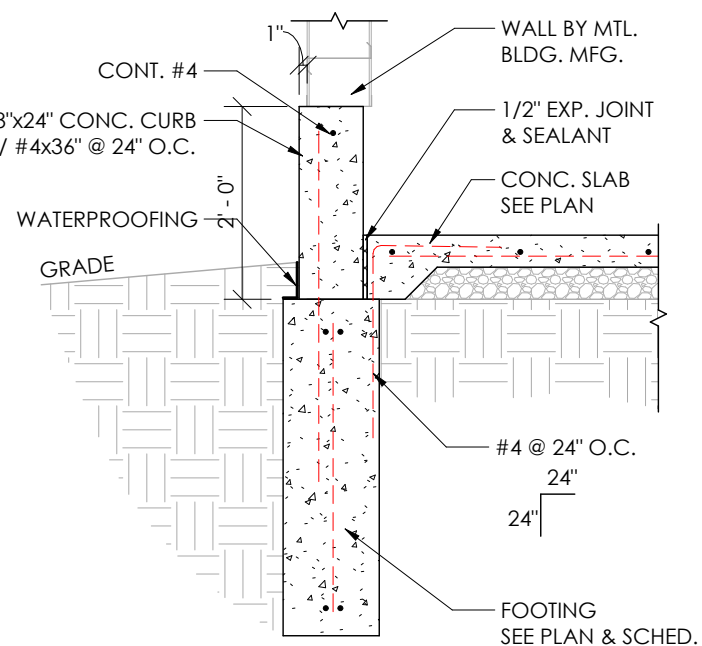
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ENG: BTH DSN: CML



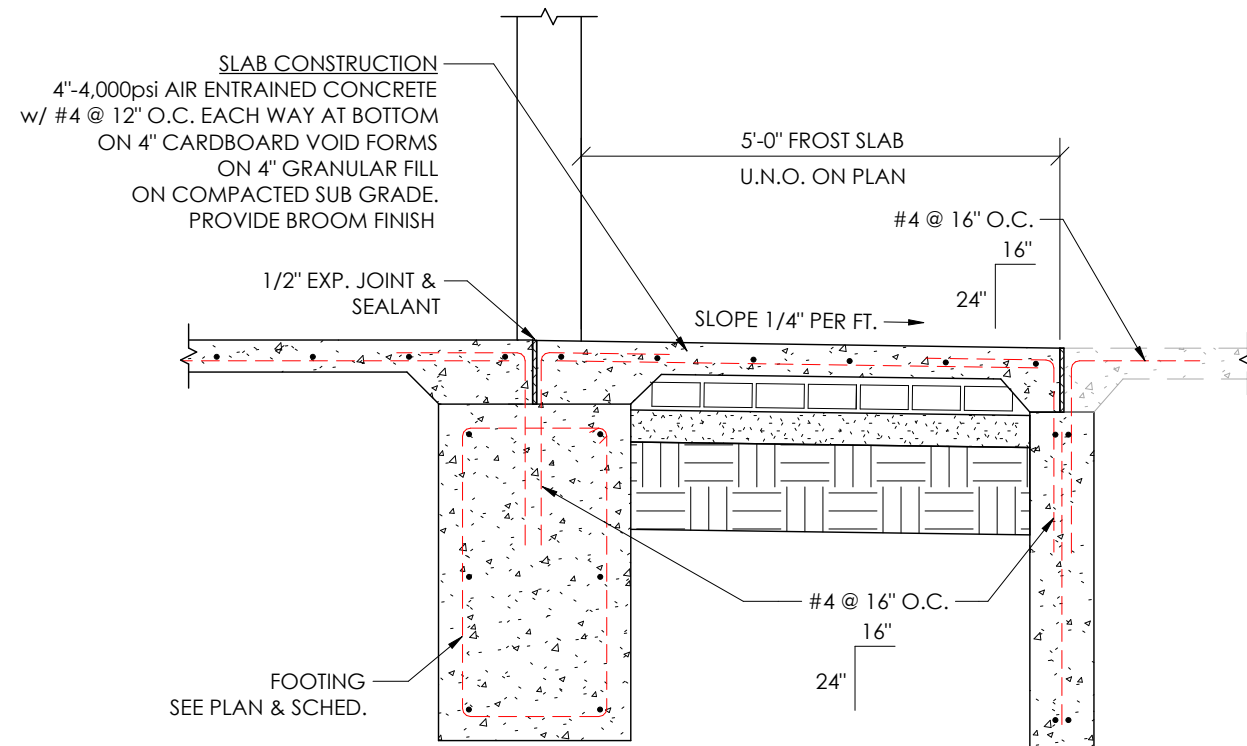
2 BUILDING COLUMN FOOTING w/ CONCRETE CURB
1/2" = 1'-0"



1 EXTERIOR FOOTING w/ CONCRETE CURB
1/2" = 1'-0"



3 STOOP DETAIL
1/2" = 1'-0"



No.	Description	Date
1	For Bid and Permit	05/20/2025
2	Addendum 1	06/02/2025

.1 Water Protection: Each Contractor shall protect their Work from including, but not limited to, damage caused by rainwater, spring water, groundwater, backing up of drains or sewers, until Substantial Completion. Each Contractor shall provide all pump equipment and enclosures to protect their work from damage.

.2 Temporary Drainage: The Sitework Contractor shall construct and maintain all necessary temporary drainage and pumping to keep the excavations water-free.

.3 Snow and Ice: The Project Coordinator shall remove all snow and ice to protect the Work from damage.

.4 Bracing, Shoring, and Sheeting: Each Contractor shall provide all shoring, bracing, and sheeting required for safety and the proper execution of the Work. When the work is completed, all temporary construction shall be removed.

.5 Guard Lights: Each Contractor shall provide and maintain guard lights at all barricades, railings, obstructions in the streets, roads, or sidewalks, and all trenches or pits adjacent to public walks or roads.

.6 Weather Protection: Each Contractor shall protect against weather, including rain, wind, storms, frost, or heat; always keep all work, materials, apparatus, and fixtures free from injury or damage. All new work likely to be damaged shall be covered and protected at the end of the day.

.7 Cold Weather: Each Contractor shall protect all work from damage during cold weather. If low temperatures make it impossible to continue operations safely despite cold weather precautions, work shall cease after notifying the Owner.

.8 Sidewalks: Each Contractor shall protect all existing sidewalks from damage. Sidewalks shall be replaced at the Contractor's expense if unintentional damage occurs. The condition of existing sidewalks should be checked before construction commences.

.9 Other Protection: All other protective measures not mentioned above that may be required shall be furnished by the Contractor responsible for such protection.

.9 Damage: Any work damaged by a failure of any Contractor to protect as required shall be removed and replaced with new work at the Contractor's expense.

ARTICLE 11 - INSURANCE AND BONDS

Add the following to 11.1- Contractor's Insurance and Bonds

11.1.1.1 Insurance coverage shall be maintained by carriers acceptable to the Owner.

11.1.1.2 Contractor shall carry Workmen's Compensation Insurance and liability insurance in the form and with insurers satisfactory to the Owner to protect the Contractor and the Owner from any claims, demands, or expenses on account of injuries to persons and property arising out of the Work under Contract, whether such operations be by themselves or any Subcontractor or by anyone directly employed by either of them.

11.1.1.3 The Contractor shall take out and maintain during the life of the contract, such public liability, property damage, and contractor's contingent insurance as shall protect him and any subcontractor performing work covered by this contract from claims for damages for personal injury, including accidental death, as well as from claims for property damage which may arise from operations under this contract, whether such operations be by the contractor or by any subcontractor or anyone directly or indirectly employed by either of them and the amount of such insurance shall be not less than the following:

BIDDER _____
CONTRACT _____ FOR _____

1.1 ACKNOWLEDGEMENTS

- A. The undersigned Bidder hereby:
1. Accepts all provisions of the Bidding Documents.
 2. Agrees to enter into a contract with the Owner for this work within 10 days of being notified of the acceptance of their Bid.
 3. Will complete their Work per the Bidding Documents dated May 20, 2025.
 4. States that their Proposal is made in conformity with the Contract Documents and agrees that in the event of any discrepancies or differences between any conditions of their Proposal and the Contract Documents the provisions of the latter shall prevail.
 5. Agrees to every certification, statement, assurance, representation, and warranty contained in the Contract Documents.
 6. Understands that the Owner reserves the right to reject any or all proposals, waive all informalities in connection therewith, and award contracts deemed in the Owner's best interest.
 7. Agrees that this bid shall be valid and may not be withdrawn for sixty (60) calendar days after the opening and reading of the bids.
 8. Acknowledge that they have checked all the figures in this Proposal and agree that the Owner will not be responsible for any errors or omissions made by the undersigned.
 9. Declares that the person or persons signing this proposal is/are fully authorized to sign on behalf of the named firm and to fully bind the named firm to all the conditions and provisions thereof.
 10. Declares that this Proposal is genuine, legal, and fair in all respects, is submitted in good faith, and is without collusion or fraud.

1.2 ADDENDA

- A. Bidder has received the following Addenda:
- No. _____ Dated _____, 20____
- No. _____ Dated _____, 20____
- No. _____ Dated _____, 20____
- No. _____ Dated _____, 20____

1.3 BASE BID OFFER

- A. The undersigned Bidder, having carefully examined the Procurement and Contracting Requirements, Conditions of the Contract, Drawings, Specifications, and all subsequent Addenda, as prepared by the Consultants, having visited the site, and being familiar with all conditions and requirements of the Work, hereby agrees to furnish all material, labor, equipment and services, including all scheduled allowances, necessary to complete the construction of the project named above, according to the requirements of the Procurement and Contracting Documents, for the stipulated sum of:

Dollars (_____)

- B. The above offer includes the costs for a Performance and Payment Bond. Should the Owner elect to remove this from the contract, the Bidder agrees to provide a Total Credit of:

_____ (Deduct)

Dollars (_____)

1.4 CONTRACT CHANGES

- A. The markup for Overhead and Profit on Changes in the Work, as described in Article 7 of the General Conditions, will be as follows:

1. On work ADDED to the Project, the Total Cost for the change will be the Net Cost plus a percentage for Overhead and Profit markup as follows:

- a. _____ Percent of the Net Cost of Added Work performed by our forces.
b. _____ Percent of the Net Cost of Added Work performed by any subcontractor(s).

2. On work OMITTED from the Project, our Total Credit to the Owner will be the Net Cost plus:

- a. _____ Percent of the Net Cost of the Omitted Work.

1.5 TIME FOR THE PERFORMANCE OF THIS CONTRACT

- A. Bidder estimates that the work for this bid proposal will take the following dates to complete:

Calendar Days (_____)

Submitted by:

Firm Name: _____ By: _____

Street Address: _____ Signature: _____

City, State, and Zip Code: _____ Title: _____

Telephone: _____

Bidder is a (corporation) (partnership) (sole proprietorship)

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