Specifications No.

SPECIFICATIONS FOR HATTERY PARK SHELTER CITY OF NEVADA, IOWA

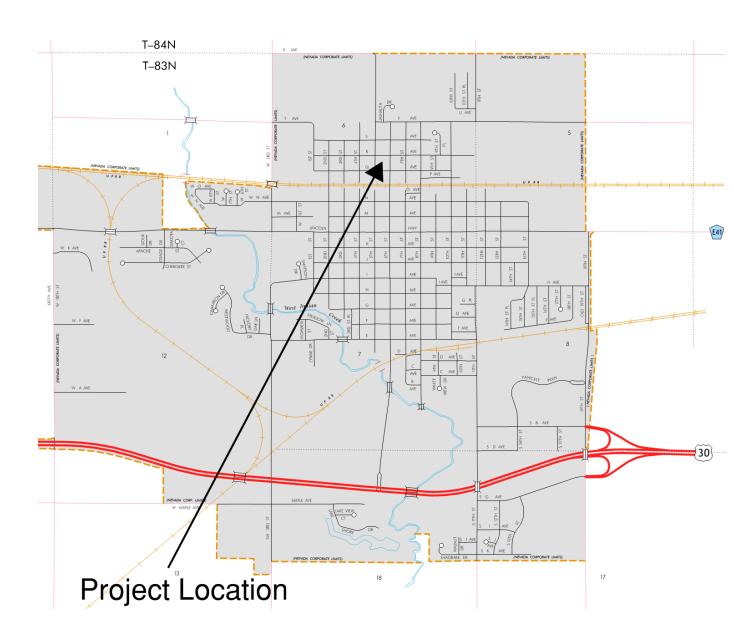
SPECIFICATIONS FOR

HATTERY PARK SHELTER

CITY OF NEVADA, IOWA

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NEVADA, IOWA

INFORMATION FOR BIDDERS FOR CONSTRUCTION OF A PUBLIC IMPROVEMENT

HATTERY PARK SHELTER

NEVADA, IOWA

The City of Nevada, Iowa is seeking competitive quotations for the construction of the public improvement hereafter described. Contractors qualified to perform the work and able to obtain the required insurance and performance and payment bond are invited to submit competitive quotations.

1. <u>Description of the Public Improvement Work to be Performed Pursuant to This Solicitation.</u>

Construct a 24' X 36' Wood Shelter at Hattery Park in the City of Nevada, lowa.

2. Plans and Specifications.

Plans and specifications for construction of said public improvement are available in the office of the City Clerk, City of Nevada, 1209 6th Street, Nevada, Iowa 50201.

3. Site Visit.

Interested contractors are further advised that a site visit may be arranged by contacting Tim Hansen, Parks & Recreation Director at 515-382-4352.

4. Time, Place and Manner for Filing Competitive Quotations.

- a. Competitive quotations to construct the public improvement work described above shall be filed in the office of the City Clerk, 1209 6th Street, Nevada, Iowa 50201 on or before 3:00 pm on June 1, 2022.
- b. Competitive quotations shall be filed with the City Clerk by:
 - placing them in the United States Mail, appropriately stamped and addressed to the City Clerk's office at the City of Nevada, 1209 6th Street, Nevada, Iowa 50201;
 - 2. filing them in person / in hand at the office of the City Clerk at the address listed above;

c. The competitive quotation shall be placed in a sealed envelope addressed to the City Clerk at the address stated above. Competitive quotations received after the time stated above will not be considered and the quoting contractor will be so notified.

5. Competitive Quotations to be Submitted on Form Provided.

Competitive quotations shall be filed on the Competitive Quotation form provided by the City and included with this RFQ. Competitive quotations that are filed in any other form shall be determined to be non-responsive and shall be rejected by the City.

6. Costs to be Included in Competitive Quotations Submitted by Contractors; Documentation of Certain Costs.

Interested contractors are required to include in their competitive quotations the price for labor, materials, equipment and supplies required to perform the work.

7. <u>Quotation Security, Evidence of Insurance, and Performance Bond Required.</u>

- a. Each contractor submitting quotations pursuant to this RFQ shall include with its quotation a certified check or bid bond in the amount of \$ 500.00 as a guarantee they will enter into a contract with the City for the work. Bid Securities will be released once a contract is executed.
- b. Each contractor submitting a quotation pursuant to this RFQ shall be required to commit to provide to the City, at the time of the execution of the contract, a certificate or certificates of insurance, evidencing insurance with coverages and in amounts as required by the City, as set forth in the Insurance Requirements included with this RFQ, and also a performance bond in the amount of the contract.

8. Required Commitments by Contractors.

- a. Contractors submitting quotations pursuant to this RFQ shall be required to commit to the execution of a contract for the work in the form required by the City, which form of contract is included with this RFQ.
- b. Contractors submitting quotations pursuant to this RFQ shall be required to commit to the commencement of the work comprising the above described public improvement upon Notice to Proceed, and shall be required to commit to the completion of the work on or before November 1, 2022.

9. Sales Tax.

The City will issue special sales tax exemption certificates to the contractor awarded the contract to perform the work and to its subcontractors, pursuant to lowa Code Section 422.42, (15) and (16) and lowa Code Section 422.47 (5). The contractor awarded the contract for the work and its subcontractors should present such certificate when procuring materials and equipment for the project and shall not pay sales tax for such materials and equipment. Accordingly, the contractor shall not include sales tax in its competitive quotation for the work. The City will not accept contractor claims for reimbursement of sales tax, will not attempt to obtain a refund of sales taxes paid from the State of lowa, and will not reimburse the contractor for any sales taxes mistakenly paid by it or its subcontractors.

10. Evaluation of Competitive Quotations.

If a quoting contractor does not submit its quotation on the form required by the governmental entity, does not provide all information or documentation or make all commitments required by the governmental entity, or does not cause said form to be executed as required by the governmental entity, said quotation will be determined to be non-responsive and will be rejected by the City.

11. Execution of Contract Upon Acceptance and Approval of Evidence of Insurance and Performance Bond.

Upon the City's determination which contractor has submitted the lowest responsive, responsible quotation, the City will take action to award the contract to that contractor, conditioned upon the contractor's submission and the City's approval of the contractor's evidence of insurance and performance bond, and further conditioned upon the contractor's execution of a contract in the form included with this RFQ and its approval and execution by the City.

12. Attachments

- a. Special Provisions
- b. Competitive Quotation Form
- c. Form of Contract
- d. Insurance Requirements
- e. Plans, Hattery Park Shelter, Nevada, Iowa

SPECIAL PROVISIONS

- 1) Coordinate activities with Tim Hansen, Parks and Recreation Director.
- 2) All disturbed grass areas will be repaired by the City.
- 3) The existing concrete slab at the shelter site will be removed by others.
- 4) Materials testing by Contractor is not required on this project.
- 5) Submit any shop drawings requested by the City.

COMPETITIVE QUOTATION FOR CONSTRUCTION OF A PUBLIC IMPROVEMENT

City of Nevada, Iowa

HATTERY PARK SHELTER

I. <u>Description of Public Improvement Work to be Performed:</u>

The undersigned Quoting Contractor hereby proposes to perform all work necessary to complete the following described public improvement:

Construct a 24' X 36' Wood Shelter at Hattery Park in the City of Nevada, Iowa.

II. Quoting Contractor's Price for Construction of the Public Improvement:

The Quoting Contractor agrees to perform all work necessary to complete the public improvement project, as described above and as further described in the attached plans for and in consideration of the City's payment of the following prices which include all labor, equipment, materials, and supplies required to perform the work and complete the improvement:

Base Bid

Provide lump sum price to include all items listed below. All prices shall be completely installed items.

- Excavation/Site Grading
- Concrete Footings
- Installation of Park Shelter
- Concrete slab

1.0 Park Shelter – Custom Wood Construction, 24'X36' \$_____LS This item shall include provision and installation of park shelter and all materials and labor required for installation. Asphalt shingle roofing included in base bid.

Add Alternate

The Bidder hereby agrees that at the discretion of the Owner the Base Bid amount may be modified as follows, if the bid alternate is accepted.

A2.0 Metal Roof – Standing Metal Seam Roof, 24'X36' \$_____LS

Provision and installation by Contractor.

Roofing system and color to be approved by

Owner.

III. Quoting Contractor's Acknowledgments:

The Quoting Contractor hereby acknowledges that the City of Nevada (hereinafter City) reserves the right to:

- 1. Reject any, or all, competitive quotations. Award of the contract, if any, shall be made to be to the lowest responsive, responsible bidder;
- Make such alterations in the contract documents or in the proposal quantities as
 it determines necessary in accordance with the contract documents after
 execution of the contract. Such alterations shall not be considered a waiver of
 any conditions of the contract documents, and shall not invalidate any of the
 provisions thereof.

IV. Quoting Contractor's Agreements:

The Quoting Contractor hereby agrees:

- To enter into a Contract to Construct a Public Improvement with the City, if this Competitive Quotation is selected, in the City-approved form included in the RFQ.
- 2. To provide insurance in the form and limits required by the City, as provided in the Insurance Requirements included in the RFQ.
- 3. To provide a Performance and Payment Bond in the amount of the contract.
- 4. To commence the work comprising the above described public improvement after Notice to Proceed, and to complete the work on or before November 1, 2022.
- 5. To construct the work in accordance with the project plans.
- 6. To comply with the following requirements with respect to sales tax: To not include sales tax in this Competitive Quotation, with the understanding that the City will issue a sales tax exemption certificate for purchase of materials to be incorporated into the project.

V.	Identity of the Quoting Contractor:				
	Quoting Contractor's Name	Street Address			
	City, State – Zip Code	Telephone Number			
Name	and Title of Quoting Contractor's R	epresentative Authorized to Execute Quotation			
	actor's Public Registration Number, is: ed by Section 91C.5 of the Iowa Code	sued by the Iowa Commissioner of Labor as			
VI.	Quoting Contractor's Authorized	Signature:			
This C		day of, 20, by rized representative of the Quoting Contractor.			
	Signature of Quoting	Contractor's Authorized Representative			
VII.	Approval and Acceptance of Com	petitive Quote:			
This C	competitive Quotation executed this _	day of, 20,			
Ву	Name, Title				
Attest	Name, Title				

Hattery Park Shelter City of Nevada, Iowa

CONTRACT

Hattery Park Shelter City of Nevada, Iowa

THIS CONTRACT, made and entered into this day of, 2022, by and
between the City of Nevada, Iowa by its Mayor, upon order of its City Council, hereinafter called the "Jurisdiction", and, hereinafter called the "Contractor".
WITNESSETH:
The Contractor hereby agrees to complete the work comprising the below referenced improvement as specified in the contract documents, which are officially on file with the Jurisdiction, in the office of the City Clerk. This contract includes all contract documents. The work under this contract shall be constructed in accordance with the 2019 Edition of the SUDAS Specifications, as further modified by the supplemental specifications and special provisions included in said contract documents, and the Request for Quotations, which is attached hereto. The Contractor further agrees to complete the work in strict accordance with said contract documents, and guarantee the work as required by law, for the time required in said contract documents, after its acceptance by the Jurisdiction.
This contract is awarded and executed for completion of the work specified in the contract documents for the bid prices shown on the Request for Quotations: Bid Items, Quantities and Prices which were proposed by the Contractor in the quote submitted for the following described improvements:
Construct a 24' X 36' Wood Shelter at Hattery Park in the City of Nevada, Iowa.
The Contractor agrees to perform said work for and in consideration of the Jurisdiction's payment of the bid amount of

CONTRACT - 1 -

IN WITNESS WHEREOF, the Parties hereto have executed this instrument, in triplicate on the date first shown written.

JURISDICTION: City of Nevada, Iowa CONT		TRACTOR:
ByBrett Barker, Mayor		
(Seal) ATTEST:	Ву _	Contractor's Authorized Agent Name, Contractor's Authorized Agent Title
Kerin Wright, City Clerk	_	
		Street Address
		City, State, Zip Code
		Telephone
CONTRACTOR PUBLIC REGISTRATION INFO	RMATIO	N To Be Provided By:

2. Out-of-State Contractors:

A. Pursuant to Section 91C.7 of the lowa Code, an out-of-state contractor, before commencing a contract in excess of five thousand dollars in value in lowa, shall file a bond with the division of labor services of the department of workforce development. The contractor should contact 515-242-5871 for further information. Prior to contract execution, the Engineer may forward a copy of this contract to the lowa Department of Workforce Development as notification of pending construction work. It is the contractor's responsibility to comply with said Section 91C.7 before commencing this work.

1. All Contractors: The Contractor shall enter its Public Registration No. _____ issued by the

lowa Commissioner of Labor pursuant to Section 91C.5 of the Iowa Code.

CONTRACT - 2 -

under the laws of a state other th certificate from the Secretary of the provisions of Chapter 490 of the	lesignated low bidder, if it be a corporation organized an Iowa, shall file with the Jurisdictional Engineer a State of Iowa showing that it has complied with all the Code of Iowa, or as amended, governing foreign, contact the Iowa Secretary of State Office at 515-281-
Bond No Name of Surety	<u> </u>
Name of Surety	
NOTE: All signatures on this contract if facsimile of any signature will not be ac	nust be original signatures in ink; copies or cepted.
CORPORATE ACKNOWLEDGMENT	
State of) SSCounty)	
On this day of, 20 and for the State of, pers	, before me, the undersigned, a Notary Public in onally appeared and and g by me duly sworn, did say that they are the, respectively, of the corporation executing the
foregoing instrument; that (no seal has be- the corporation; that said instrument was authority of this Board of Directors; that	en procured by) (the seal affixed thereto is the seal of) signed (and sealed) on behalf of the corporation by and ent to be the voluntary act and deed of the corporation,
ī	Notary Public in and for the State of,20

CONTRACT - 3 -

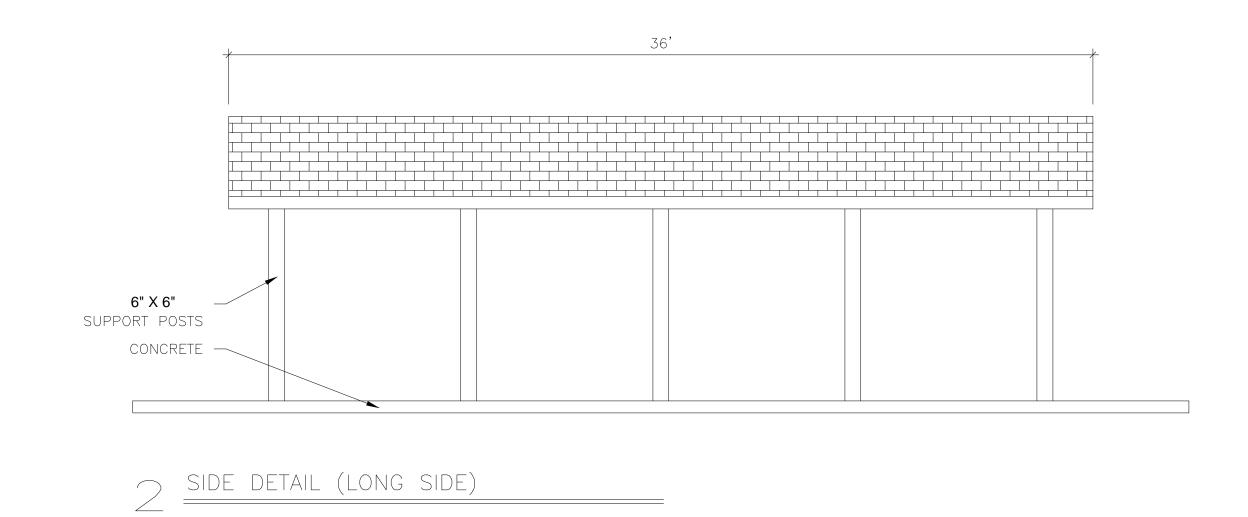
CONTRACT ATTACHMENT: ITEM 1: GENERAL - None



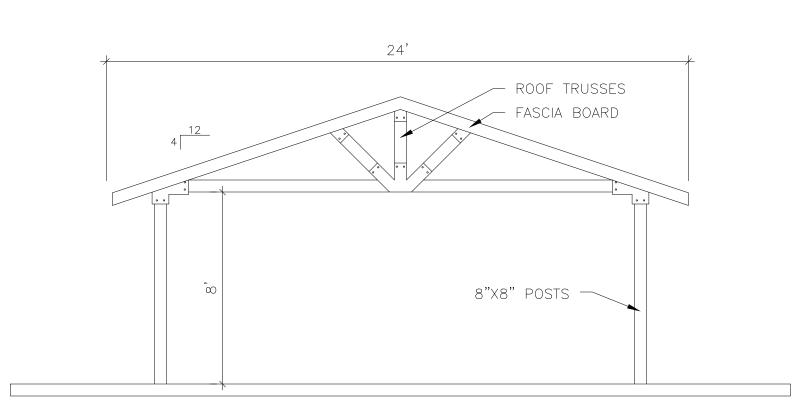
City of Nevada Street & Right of Way Excavation License Insurance Requirements

- A Certificate of Insurance with the following minimum requirements:
 - (1) Public liability insurance covering all operations, for the duration of the license, performed by licensee's agents, persons directly employed by the licensee, subcontractors or their employees, or independent contractors, in the following amounts: one million (\$1,000,000) each occurrence, one million (\$1,000,000) aggregate.
 - (2) Automobile liability insurance on all self-propelled vehicles in the following amounts: one million (\$1,000,000) each occurrence, one million (\$1,000,000) aggregate.
 - (3) Workers compensation and employer's liability, if required by the Code of Iowa, at such policy limits as are required by the Code of Iowa.
 - (4) In lieu of the limits established by the Sub-paragraphs set forth immediately above, the licensee may show proof of comprehensive excess liability coverage in conjunction with lower limits for public liability and automobile liability insurance, which taken together provide insurance coverage to a limit of one million (\$1,000,000) each for public liability and automobile liability.
 - (5) Coverage shall be provided for Explosion ("X"), Collapse ("C"), and Underground ("U") hazards.
 - B. All insurance policies and their respective coverage provisions shall be reviewed and approved by the City's liability insurance provider.
 - C. The City of Nevada, Iowa shall be designated as an additional named insured on all insurance policies required by this section.

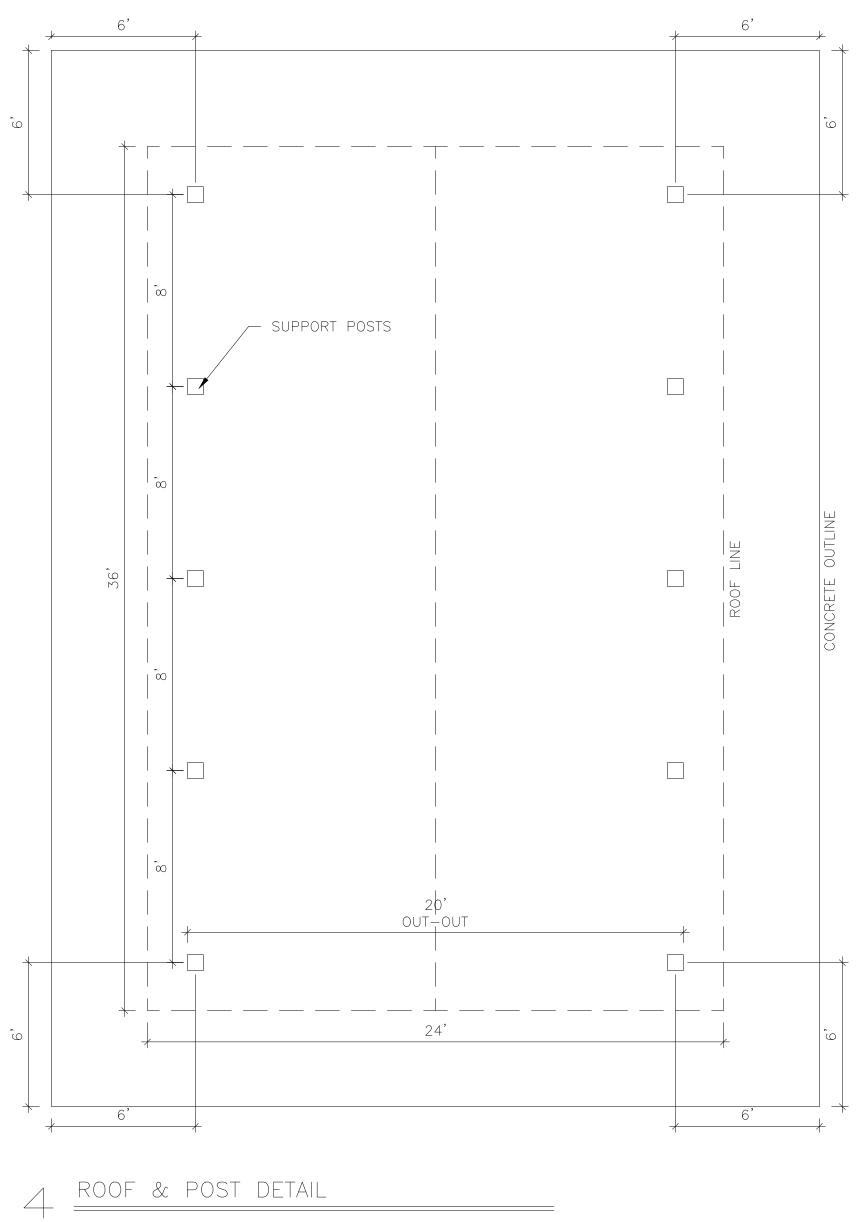


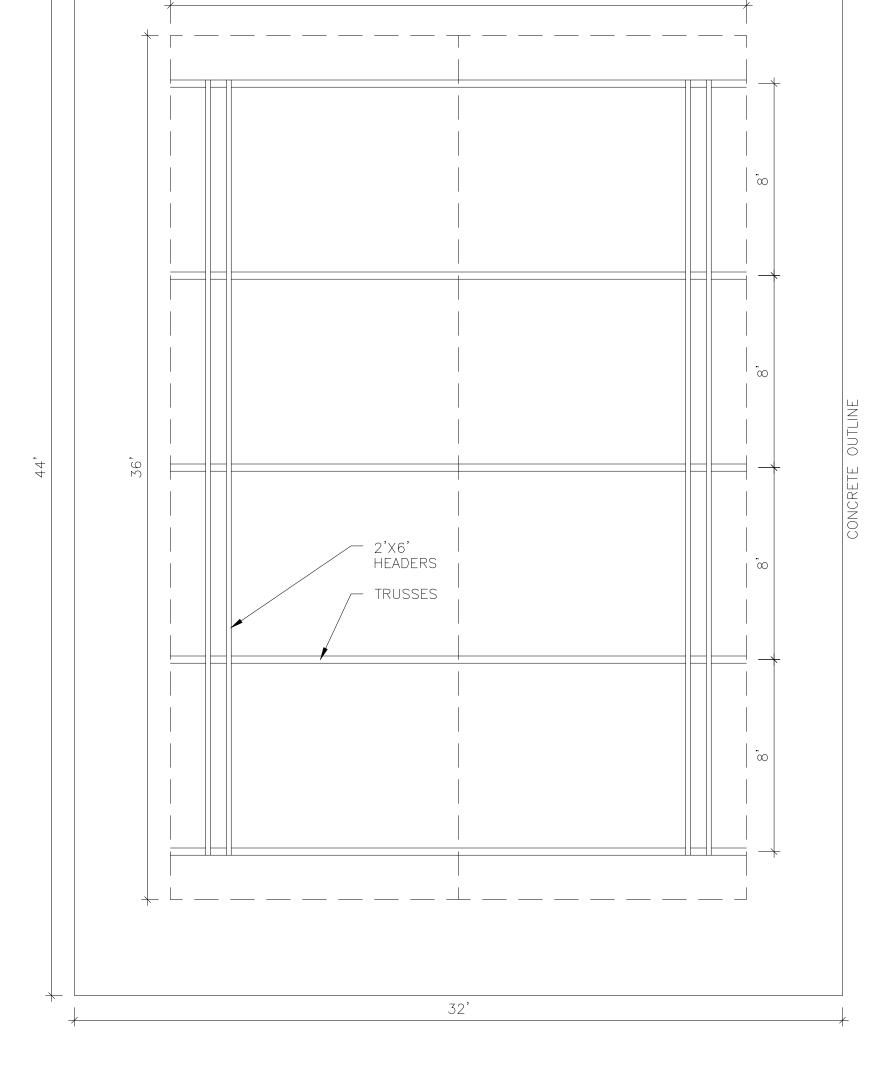


1 3D ILLUSTRATION



J FRONT & REAR DETAIL (SHORT SIDE)





5 SUPPORT BEAMS DETAIL

DRAWN BY:	JAG	JOB DATE:	7/13/2021	BAR IS ONE INCH ON OFFICIAL DRAWINGS.
APPROVED:	JFR	JOB NUMBER:	40100100	0 1"
CAD DATE:	9/22/2021			IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
CAD FILE:	U:\40100100 - N	levada∖Shelter		ABOUT GONEE NOOTH MICE.

REVISION DESCRIPTION



HATTERY PARK SHELTER DESIGN

24' X 36' OPEN TIMBER TRUSS SHELTER

SHEET

GENERAL STRUCTURAL NOTES

010000 - GENERAL REQUIREMENTS:

All construction, unless specifically identified otherwise, shall conform to

International Building Code (IBC) - 2015 Edition Iowa Administrative Rule 661-201 and 661-301 Minimum Design Loads for Building and Other Structures - ASCE 7-10 Risk Category of Building - II STRUCTURAL LIVE LOADING:

The structure has been designed in accordance with the building code and/or more restrictive requirements

r loads as given below unless specific areas of the drawings indicate different loading criteria.	Refer to
awings for load schedules.	

20 psf, or 300 pounds concentrated load

SNOW DESIGN DATA (IBC 1603-1.3):

Occupancy or Use

The structure and its components have been designed in accord with the building code for a ground snow load of 25 psf. The following design criteria components are provided for reference.

Flat Roof Load: Pf = 25 psf Exposure: Ce = 1.2 Importance Factor: Is = 1. Thermal Factor: Ct = 1.2

WIND DESIGN DATA (IBC 1603-1.4):

The structure and its components have been designed in accordance with the building code for a wind load

Wind Speed:	V(3sec) = 115 mph
Exposure Category:	В
Importance Factor:	lw = 1.0

SEISMIC DESIGN DATA (IBC 1603-1.5):

The structure and its components have been designed in accordance with the building code for a seismic load criteria as follows.

Site Class: Seismic Design Category: Basic Seismic Force Resisting System: Method of Analysis: Importance Factor:	D B Timber Frames Equivalent Lateral Force Method le = 1.0
Spectral Acceleration (short): Spectral Acceleration (1 sec):	S _S = 6.1% S ₁ = 4.4%
Spectral Response Coefficients:	$S_{ds} = 0.065$ $S_{d1} = 0.07$
Response Modification Factor:	R = 1.5
Seismic Response Coefficient:	Cs = 0.742
Design Base Shear:	Ve = 7.1 k

013100 - COORDINATION:

The contract structural drawings and specifications represent the finished structure. They do not indicate the means or method or sequence of construction. The Contractor shall be responsible for and provide all measures necessary to protect the structure during construction. These measures shall include, but not be limited to: bracing, shoring of loads due to construction equipment, etc. The Contractor shall be responsible for the design and implementation of all scaffolding, bracing and shoring. Observation visits to the site by the Structural Engineer shall not include inspection of the above items. The Structural Engineer will not be responsible for the Contractor's means, methods, techniques, sequences or procedures of construction, nor will the Structural Engineer be responsible for construction site safety, or the safety precautions and the

Contractor shall verify all dimensions and coordinate site conditions with the drawings prior to construction. Any discrepancies and omissions shall be resolved with the Architect prior to construction and prior to proceeding. Do not use scaled dimensions. Where any discrepancies occur between plans, details, structural notes and specifications, the greater requirements shall govern. Where no specific detail is shown, construction shall conform to similar work on the project.

Not all openings, blockouts, inserts, curbs, pads, piping, ductwork, equipment, or sitework items and dimensions pertaining thereto are shown on the structural drawings. Refer to Architectural, Mechanical, Plumbing, Electrical and Civil drawings where applicable. It is the General Contractor's responsibility to coordinate with other disciplines and the subcontractors and equipment suppliers/manufacturers. Equipment being supported by or suspended from the structure shall be coordinated with the manufacturer of any preengineered framing or components. Where equipment weight is not shown on the Structural Drawings, verify actual weight and provide to Structural Engineer for confirmation of the structure's capacity. All openings shall be properly reinforced as approved by the Engineer.

Construction materials shall be spread out if placed on framed floors or roofs so as not to exceed the design live load per square foot.

All pre-engineered/prefabricated items and materials shall be installed in strict accordance with the manufacturer's requirements and alterations are allowed only with written permission from the manufacturer. Third party engineer's stamp may be required.

All details shown shall be incorporated into the project at all appropriate locations, whether specifically indicated or not. Typical details may or may not be cut on the drawings, and details may or may not be cut at all specific locations, but shall apply unless noted otherwise.

For clarity, all roof, floor and wall openings may not be shown on structural drawings. For exact size, number and location of openings, see architectural, mechanical, electrical and plumbing drawings. For framing at openings, see typical structural details. Verify all sizes, weights and location of mechanical and electrical equipment, ducts, etc. with mechanical and electrical engineers through Architect.

013200 - SUBMITTALS - SHOP DRAWINGS & PRODUCT DATA:

The review of shop drawings and other submittals is only for review of general compliance with the design concept of the project and the information provided in the contract documents. It is the General Contractor's responsibility to review the shop drawings prior to submitting to the Architect. The General Contractor is responsible for confirming and correlating all quantities and dimensions, selecting fabrication processes and techniques of construction; coordinating the work with that of all other trades; and performing the work in a safe and satisfactory manner.

Shop drawings shall be submitted for all structural items in addition to any items required by the specifications. The Submittals, Testing & Inspection matrix is provided as a guide only, and may not be allinclusive. Construction documents shall not be reproduced for use as shop drawings.

The General Contractor shall review and stamp all shop drawings and product data for conformance with the construction documents prior to submittal. Any shop drawings or product data not reviewed and stamped by the General Contractor will be returned without review. The Contractor shall cloud or flag all items not in accordance with the contract documents.

Any changes, substitutions, or deviations from the original contract drawings shall be clouded by the manufacturer or fabricator. The Structural Engineer reserves the right to allow or not allow any changes to the original contract drawings at any time before or after shop drawing review.

The shop drawings do not replace the original contract drawings. Items omitted or shown incorrectly and which are not noted as allowed by the Structural Engineer or Architect are not to be considered changes to

Shop drawings will be returned for resubmittal if major errors or omissions are found during review.

Allow a minimum of five working days for review of shop drawings by the Structural Engineer.

014000 - SPECIAL INSPECTIONS & QUALITY CONTROL

Special inspections shall be performed by a qualified inspector retained by the Owner and approved by the Architect and the Building Official.

Special inspections shall be performed by a qualified inspector under the direct supervision of a professional engineer registered in the State of Jurisdiction. Final inspection reports shall be signed and sealed by the supervising Engineer. The Contractor shall be responsible for providing a minimum of 24 hours notice to the special inspector and the testing laboratory prior to beginning any work for which special inspection or testing

Duties and responsibilities of the special inspector:

- The special inspector shall observe the work assigned for conformance with the approved design drawings and specifications.
- The special inspector shall furnish inspection reports to the building official and to the Engineer or Architect of record. All discrepancies shall be brought to the immediate attention of the Contractor for correction, then, if uncorrected, to the Engineer or Architect of record and the Building Official. Upon completion of the assigned work, the Special Inspector shall complete and sign a final report

certifying that to the best of the inspector's knowledge, the work is in conformance with the

approved plans and specifications, and the applicable workmanship provisions of the code. Special inspection is required during the following operations per IBC Section 1704:

Grading, excavation and filling: During earthwork excavations, grading and filling as required to satisfy requirements of the geotechnical report and IBC Chapters 17, 18 & 33 and Appendix J and during placement of engineered fill.

Reinforcing steel: Verify size, quantity and placement of all reinforcing steel prior to placing of any concrete. Review both permit drawings and shop drawings (mild steel and post tension shops) for rebar requirements.

Concrete: During taking of specimens and placement of all concrete. Unless noted otherwise, special inspection of non-structural slabs on grade is not required. See general structural notes and/or project specifications for frequency of testing and strength requirements.

Anchor bolts: Prior to and during placement of concrete.

CURING

013400 - SUBMITTALS - AS REQUESTED BY OWNER

	ITEM	SUBMITTALS	
	GENERAL	MIX DESIGN PRODUCT DATA	
ETE	REINFORCING	SHOP DRAWINGS	
CONCRETE	POST TENSION SLABS	SHOP DRAWINGS SEALED CALCULATIONS WHERE REQUIRED	
	FINISHING	SUBMIT SURFACE FINISHING PLAN TO	

ARCHITECT

STATEMENT OF CURING PROCEDURES

	ITEM	SUBMITTALS
	WOOD TREATMENT SAWN LUMBER	MANUFACTURERS DATA FOR: FIRE RETARDANT TREATMENT MOOD PRESERVATIVE TREATMENT STATEMENT FROM CONTRACTOR OUTLININ SIZE, SPECIES AND GRADE FOR ALL STRUCTURAL COMPONENTS
	HANGERS	MANUFACTURERS ENGINEERING DATE FOR ALTERNATES
WOOD	LVL, PSL STRUCTURAL COMPOSITE LUMBER	MATERIAL CERTIFICATE OR ICC-ES REPORT
>	GLUED LAMINATED TIMB ER	SHOP DRAWINGS & DESIGN CALCS FOR CONNECTIONS NOT DETAILED
	I-JOISTS	SHOP DRAWINGS INCLUDING CONNECTION DETAILS SEALED CALCULATIONS WHERE REQUIRED
	PRE-FABRICATED TRUSSES	COMPLETE SHOP DRAWING SUBMITTAL INCLUDING STAMPED CALCS ICC-ES REPORT FOR TRUSS PLATES
	DECKING	PRODUCT DATA SAMPLES IF REQUIRED BY ARCHITECT
	STRUCTURAL WOOD SHEATHING	STATEMENT FROM CONTRACTOR INDICATIN PRODUCT, USE AND ATTACHMENT

-NOT ALL SUBMITTALS, INSPECTIONS AND TESTS FOR THE PROJECT ARE NECESSARILY LISTED. REFER TO SPECIFICATIONS FOR OTHER REQUIREMENTS. -THIS TABLE MAY NOT INCLUDE ALL STRUCTURAL INSPECTIONS AND TESTS REQUIRED

BY ALL JURISDICTIONS, REFER TO THE LOCAL BUILDING OFFICIAL FOR REQUIREMENTS. 020000 - FOUNDATIONS

Foundation design based IBC minimums. The foundation system will be shallow spread footings. All construction shall comply with the recommendations of the IBC. The structural engineer is not responsible for any geotechnical aspects of this project.

Owner shall employ a Geotechnical Engineer licensed in the State of Jurisdiction to perform necessary testing and inspections for quality control and to ensure that the requirements of the IBC are complied with. Test reports shall be submitted directly to the Architect and Structural Engineer, with copy to Contractor.

Filled excavations or buried structures such as cesspools, cisterns, existing foundations, etc., or any unusual soils conditions encountered during site clearing or excavation shall be brought to the attention of the Architect immediately. Do not proceed until written instructions to remedy are received.

Abandoned footings, new or existing utilities, etc., that interfere with new construction shall be rerouted or

Slope all exterior finished grades away from the building to ensure no ponding of water occurs around

Contractor is responsible for all shoring, cribbing, sheet piling, etc. as required to safely retain excavations and trenches during construction. Contractor shall retain a professional engineer licensed in the State of Jurisdiction to design all shoring, tie backs, etc. Where shoring is to be permanent, the design must meet all requirements of the building code.

SPREAD FOOTINGS

Spread footing design is based on an allowable bearing pressure of 1,500 psf. Minimum footing widths, unless otherwise indicated, shall be 18 inches for continuous footings and 24 inches for isolated pad footings. Bearing elevation shall be a minimum of 58 inches below adjacent exterior grade.

Bearing capacity of subgrade shall be verified in the field by a qualified Geotechnical Engineer registered in the State of Jurisdiction.

033000 - CAST-IN-PLACE CONCRETE (SPECIAL INSPECTION REQUIRED)

Concrete work shall conform to all requirements of ACI 301, "Specifications for Structural Concrete for Buildings" and ACI 318, "Building Code Requirements for Reinforced Concrete", except as modified by the

Concrete shall be ready mixed concrete in accordance with ASTM C94. Minimum 28 day compressive strength shall be 4000 psi except as follows:

4,000 psi footings, stem walls and grade beams 3,000 psi

Cement shall conform to ASTM C150, Type I, Type II, or Type V if recommended by Geotechnical Engineer for foundation elements. Aggregate per ASTM C33. Lightweight aggregate per ASTM C330. Maximum 4" slump for all concrete. Do not tamp slabs (use roller bug, vibrating screed or bull float only). Concrete containing superplasticizing admixture shall have field-verified 3" maximum slump prior to adding admixture and 8" maximum slump at placement. Mix designs shall be designed by the concrete production facility in accordance with ACI 301 and approved by the Structural Engineer prior to construction. Provide airentraining admixture at all concrete exposed to freeze/thaw cycles at a rate adequate to provide 6.0% air at point of placement. Do not allow air content of interior trowel finished slabs to exceed 3.0%.

Where indicated fiber mesh reinforcement in slabs on grade shall conform to ASTM C1116, type III, synthetic fibers of 100 percent virgin polypropylene fibrillated fibers containing no reprocessed olefin materials. Provide minimum of 1.5 pounds of fibers per cubic yard of concrete used.

Concrete shall be free of chloride. No fly ash additives shall be permitted in concrete flatwork or architecturally exposed concrete. When used, fly ash shall conform to ASTM C618, class F or C. Fly ash shall not replace more than 25% of cement by weight.

Provide sleeves for utility openings in concrete before placing concrete. Do not cut any conflicting

No construction joints other than those shown on the drawings shall be installed without approval of the Structural Engineer. Provide 3/4" chamfer at all exterior corners and edges of permanently exposed

Do not subject concrete to any procedure that will cause segregation. Deposit concrete as near as practicable to the final position to avoid segregation.

Concrete footings and pads may be poured against neat excavations provided the required concrete coverage for reinforcing is maintained.

Mechanically vibrate all concrete when placed, except that slabs on grade need be vibrated only around embedded items and underfloor ducts, etc. Mechanically vibrate only the top 5 feet of drilled pier concrete. Revibrate top of drilled pier 15 minutes after placing concrete.

Mixing and delivery as measured from batch time to completion of discharge from truck shall not exceed 90 minutes. When air temperature is above 90 deg F (32 deg C), reduce mixing, delivery time and discharge to

Cure exposed concrete for a minimum of 7 days in accordance with ACI 308.1 procedures in order to prevent cracking. Cure with curing and sealing compound, moist curing, moisture-retaining cover curing, or combinations thereof. If curing compound is used, apply at a rate specified by the manufacturer. Concrete shall be maintained above 50 degrees F and in a moist condition for a minimum of 7 days after placement.

All concrete shall be tested by an independent testing agency and results reported to the Architect.

<u>033100 - REINFORCING STEEL</u>

Reinforcing steel deformed bars shall conform to ASTM A615, grade 60 (fy = 60 ksi). Reinforcing to be welded shall conform to ASTM A706, grade 60 (fy = 60 ksi) low alloy deformed bars. Welded wire fabric per ASTM A185, wire per ASTM A82, fabricated in flat sheets (not rolled). Welding of reinforcing shall be according to AWS D1.4. No tack welding of reinforcing bars allowed.

All reinforcing steel shall be detailed and placed in conformance with the latest editions of ACI 318 and the CRSI "Manual of Standard Practice for Reinforced Concrete Construction", and as modified by the drawings. All reinforcing bar bends shall be made cold.

All reinforcing steel, including welded wire fabric in slabs on grade, shall be accurately placed and supported by plastic or metal chairs, spacers or hangers. For concrete surfaces exposed to view, where legs of bar supports are in contact with forms, use plastic protected wire or stainless steel bar supports.

Provide the following minimum clear concrete coverage:

cast against and permanently exposed to earth	3"
exposed to earth or weather:	
#6 and larger	2"
#5 and smaller	1 1/2"
columns (to ties)	1 1/2"
beams (to stirrups)	1 1/2"
suspended slabs	3/4"
all others per latest edition of ACI 318	

all others per latest edition of ACI 318.

s per latest edition of ACI 516.							
	Bar Splices						
Bar Size:	Concrete f'c:			Masonry:			
	3 ksi	4 ksi	5 ksi	1-Layer	2-Layers		
3	1'-9"	1'-7"	1'-6"	1'-3"	1'-3"		
4	2'-4"	2'-1"	1'-11"	1'-9"	1'-11"		
5	3'-0"	2'-6"	2'-4"	2'-6"	2'-11"		
6	3'-6"	3'-1"	2'-9"	3'-7"	5'-6"		
7	5'-2"	4'-6"	4'-1"	4'-10"	7'-6"		
8	5'-11"	5'-2"	4'-8"	7'-3"	11'-3"		
9	6'-8"	5'-9"	5'-2"	9'-3"	14'-3"		
10	7'-6"	6'-5"	5'-9"	11'-8"	18'-1"		
11	8'-3"_	7'-2"	6'-5"_	14'-5"	22'-4"		

Note: #14 and #18 bars cannot be lap spliced

Stagger alternate splices a minimum of one lap length. Lap welded wire fabric so that the overlap between outermost cross wires of each sheet is not less than the cross wire spacing but not less than 6 inches. All splice locations subject to approval and shall be made in accordance with the drawings. Extend all horizontal reinforcing continuous around corners and intersections or provide bent corner bars to match and lap with horizontal bars at corners and intersections of footings and walls.

Reinforcing bar spacings given are maximum on centers. Dowel all vertical reinforcing to foundation. Skew hooks as required for concrete cover. Securely tie all bars in position before placing concrete. "Wet sticking" of dowels is not permitted.

Spliced bars shall be placed at the same effective depth unless noted otherwise. Reinforcing bars noted "continuous" or with length not shown shall be fully continuous and spliced only as shown, or where approved by the Engineer.

Reinforcing bar hooks shall be standard ACI hooks unless noted otherwise.

061000 - ROUGH CARPENTRY

Wood framing shall conform to IBC Chapter 23.

Framing lumber shall comply with the latest edition of the National Design Specification. All sawn lumber shall be stamped with the grade mark of a lumber grading agency certified by the American Lumber Standards Committee. Maximum moisture content shall not exceed 19%.

All exterior walls, structural floor and roof framing, and interior bearing walls shall be framed with No. 2 grade dimension lumber of one of the following species:

> Hem-fir (north) Douglas fir-larch Douglas fir-larch (north) Douglas fir-larch (south)

All nailing not noted shall be according to Table 2304.9.1 of the International Building Code. All connections shall have a minimum of two (2) nails, unless noted otherwise, and nails shall be a minimum of 3 in. long and 0.131 in. diameter. All fasteners in contact with pressure preservative treated lumber or where exposed to weather shall be hot dipped galvanized per ASTM A-153/A. All fasteners in contact with fire retardant treated lumber shall be stainless steel.

Double up joists below mechanical equipment. Provide 2 x solid blocking at midspan and at supports of all joists. Provide multiple king or trimmer studs at all jambs and beam bearing locations as indicated, or if not indicated, as required by specific loading. Provide 2 x blocking at mid-height of bearing stud walls. Provide fire blocking in all concealed spaces as required by building code.

Do not notch, drill or splice joists, beams or load bearing or structural studs without prior approval of structural engineer.

Joist hangers and other miscellaneous framing anchors shall be as manufactured by the Simpson Strong-Tie Company or equivalent by other manufacturer with current ICC approval. Multiple, skewed and/or sloped hangers shall be supplied by the Contractor where necessary. All nail holes in joist hangers and miscellaneous framing anchors shall be filled with nails of the largest size shown in the manufacturer's latest catalog. All hangers or connectors in contact with pressure preservative treated lumber or where exposed to weather shall be ZMAX or HDG coated, per Simpson specifications.

Wood stud walls shall be [2 x 6 at 16" o.c.] unless noted otherwise on plans. Plate anchor bolts shall be 1/2" diameter with 7 inch minimum embedment placed not to exceed 4'-0" o.c. unless noted otherwise. Anchor bolts shall be located not more than 12 inches or less than 4 inches from all iambs, corners, intersections and wall ends. All bottom plates shall have a minimum of 2 anchor bolts. All bottom plates or sills on concrete slabs on grade, and on concrete or masonry foundations, shall be pressure treated wood stamped

STRUCTURAL SHEET LIST S1.00 GENERAL NOTES S2.01 FOUNDATION AND ROOF FRAMING S3.00 FOUNDATION DETAILS 301-316

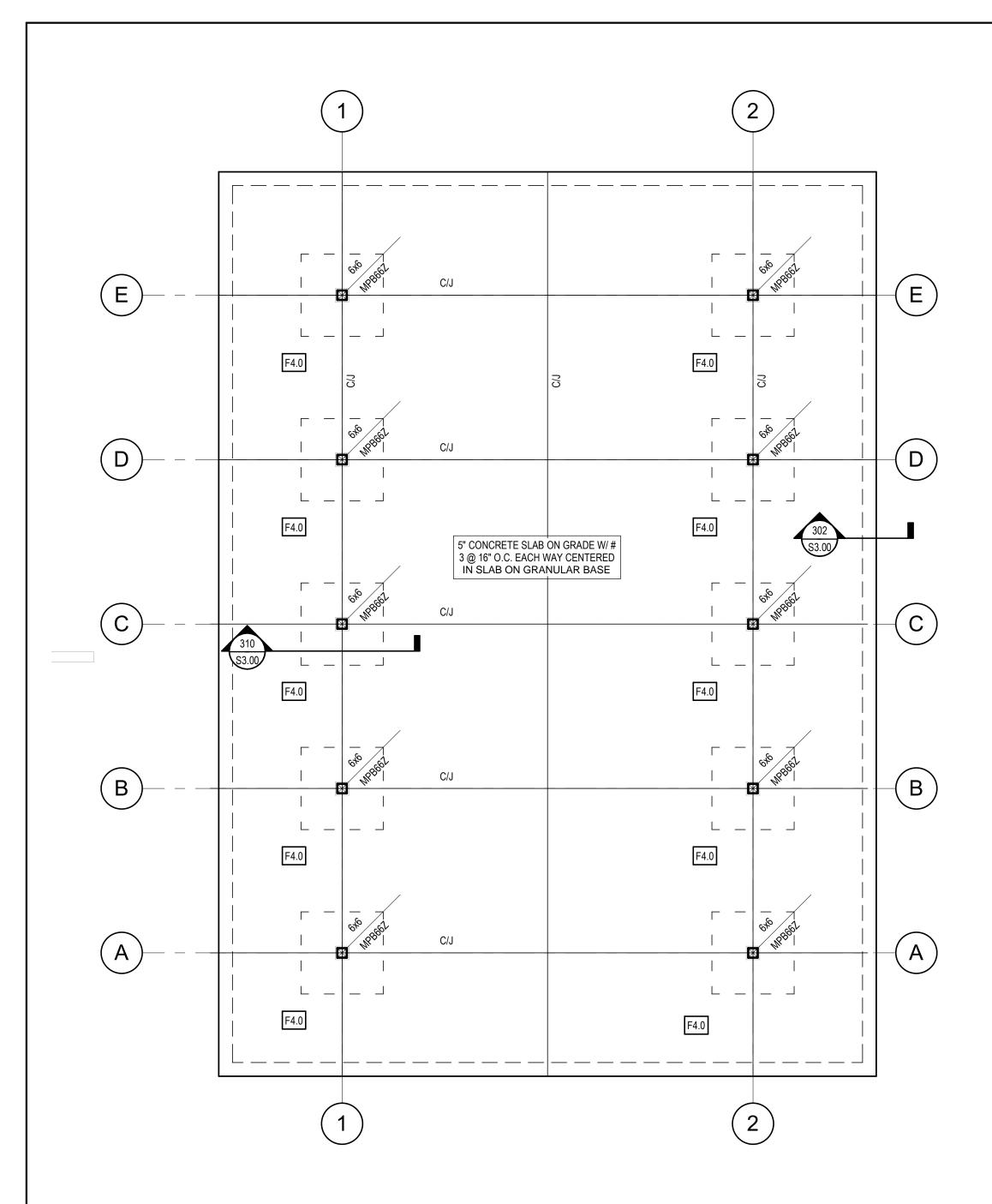
S4.00 FRAMING DETAILS 401-416



Nevada. IA 50201



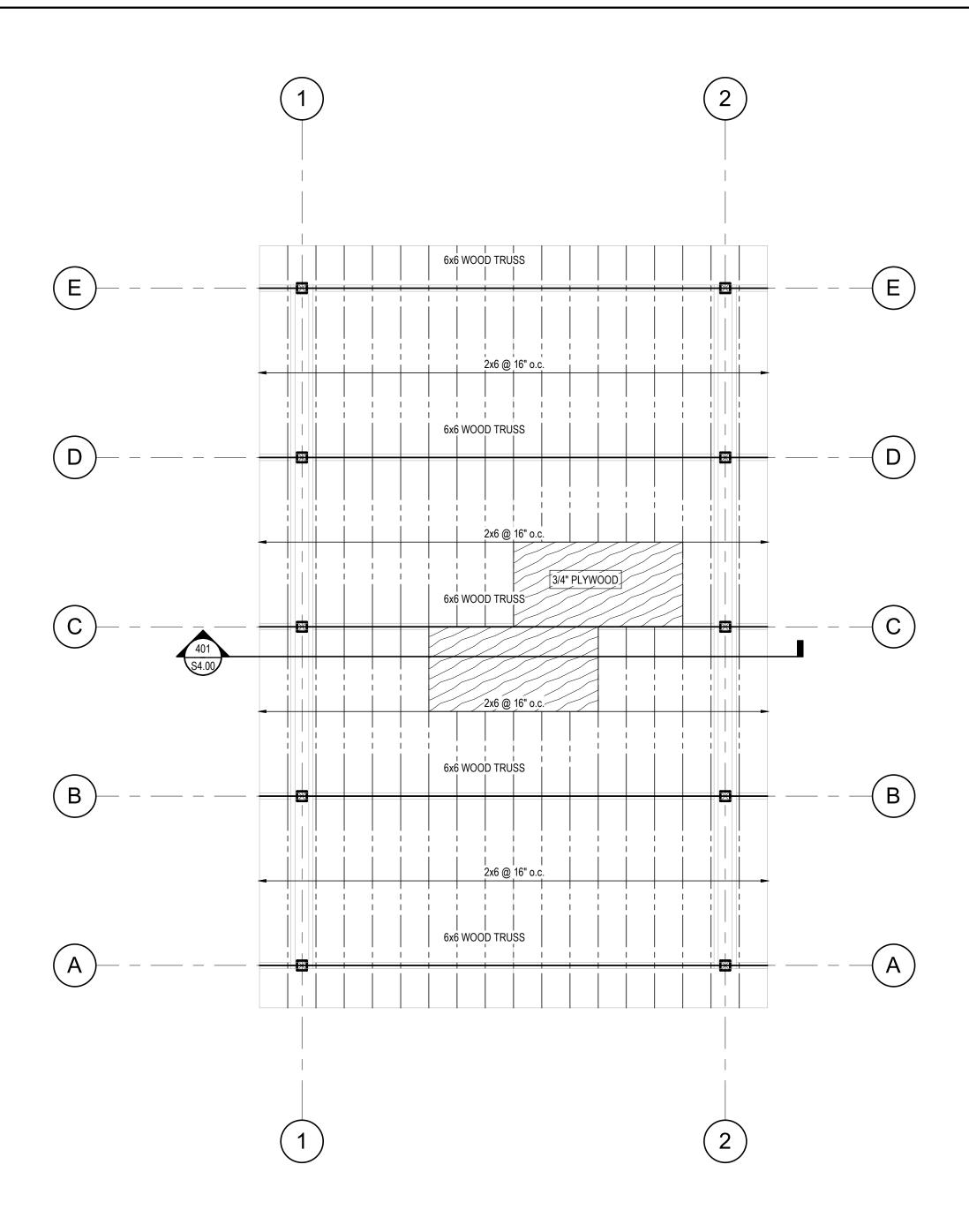
ISSUE FOR:	\triangle	DATE
Issue #1		date #1
SCALE:	AS	SHOWN
DRAWN BY:		XXX
PA/PD:		XXX
PIC:		XXX
JOB		#######
-NUMBER:		



FOUNDATION PLAN NOTES

- A. SEE SHEET S1.00 FOR GENERAL STRUCTURAL NOTES, LEGEND, AND ABBREVIATIONS.
- B. COORDINATE DIMENSIONS WITH ARCHITECTURAL DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR SLAB SLOPES, STEPS, AND OTHER INFORMATION. RESOLVE ANY DISCREPANCIES WITH ARCHITECT PRIOR TO CONSTRUCTION.
- C. DO NOT SCALE PLANS.
- D. COORDINATE PENETRATIONS THROUGH SLAB AND LOCATIONS OF EQUIPMENT WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.
- E. \$ INDICATES STEP IN TOP OF FOOTING. SEE FOUNDATION DETAILS FOR ADDITIONAL INFO.
- F. FOR CLARITY, ALL EXTERIOR SLABS AND SIDEWALKS MAY NOT BE SHOWN. FOR EXACT DIMENSIONS, JOINTS, AND SCORE LINES, SEE ARCHITECTURAL DRAWINGS.
- G. SLAB SUB-BASE SHALL BE 6" COMPACTED GRAVEL UNLESS OTHERWISE RECOMMENDED BY THE GEOTECHNICAL ENGINEER. SEE SPECIFICATIONS.
- H. ALL CONCRETE ANCHORS SHALL BE TIED IN PLACE PRIOR TO POURING CONCRETE. WET-SETTING OR DRILLING OF THE CONCRETE SLAB IS NOT PERMITTED.
- I. TYPICAL T/FTG ELEVATION IS AS FOLLOWS UNLESS NOTED OTHERWISE ON PLAN: INTERIOR FOOTINGS: T/FTG = 99'-0"

 EXTERIOR/PERIMETER FOOTINGS: T/FT = 97'-0"



FRAMING PLAN NOTES

- A. SEE SHEET S1.00 FOR GENERAL STRUCTURAL NOTES, LEGEND, AND ABBREVIATIONS.
- B. COORDINATE DIMENSIONS WITH ARCHITECTURAL DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR SLAB SLOPES, STEPS, AND OTHER INFORMATION. RESOLVE ANY DISCREPANCIES WITH ARCHITECT PRIOR TO CONSTRUCTION.
- C. DO NOT SCALE PLANS.
- D. COORDINATE PENETRATIONS THROUGH SLAB AND LOCATIONS OF EQUIPMENT WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.
- E. COORDINATE LOCATIONS OF CAST-IN EMBEDMENTS, INSERTS, ANCHOR BOLTS, ETC. WITH OTHER DISCIPLINES PRIOR TO CONSTRUCTION.
- F. CONTRACTOR SHALL COORDINATE LOCATION AND SIZE OF MECHANICAL EQUIPMENT WITH OTHER DISCIPLINES AND EQUIPMENT MANUFACTURER. NOTIFY ENGINEER IMMEDIATELY IF ACTUAL EQUIPMENT WEIGHT EXCEEDS THE ALLOWANCE SHOWN ON PLAN.
- G. DIMENSIONS ARE TO EDGE OF SLAB, FACE OF WALL, OR CENTERLINE OF COLUMN UNLESS NOTED OTHERWISE. COLUMN ARE CENTERED ON GRIDS UNLESS NOTED OTHERWISE. COORDINATE AND VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.

The Vertex Companies, LLC 2420 West 26th Ave, Suite 100-D Denver, CO 80211 Phone: 303.623.9116 Job No. 76023

COA # 460171

Hattery Park Shelter

6th Street Nevada. IA 50201



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PA/PD:		XXX	
PIC:	RBK		
JOB NUMBER:		76023	

FOUNDATION AND ROOF FRAMING

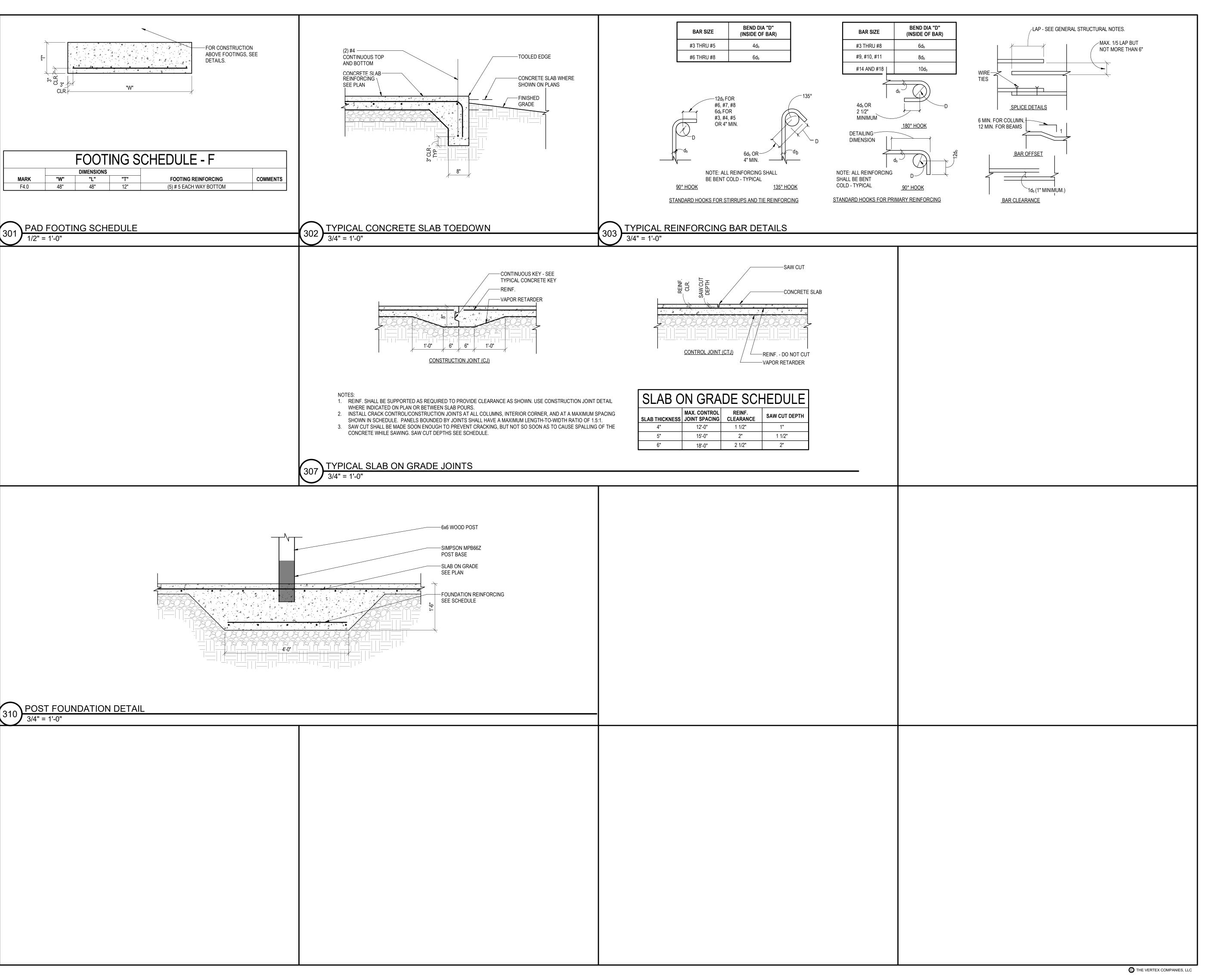
S2.01

FOUNDATION PLAN

1/4" = 1'-0"

2ND FLOOR FRAMING PLAN

1/4" = 1'-0"



The Vertex Companies, LLC
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Denver, CO 80211
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Hattery Park Shelter

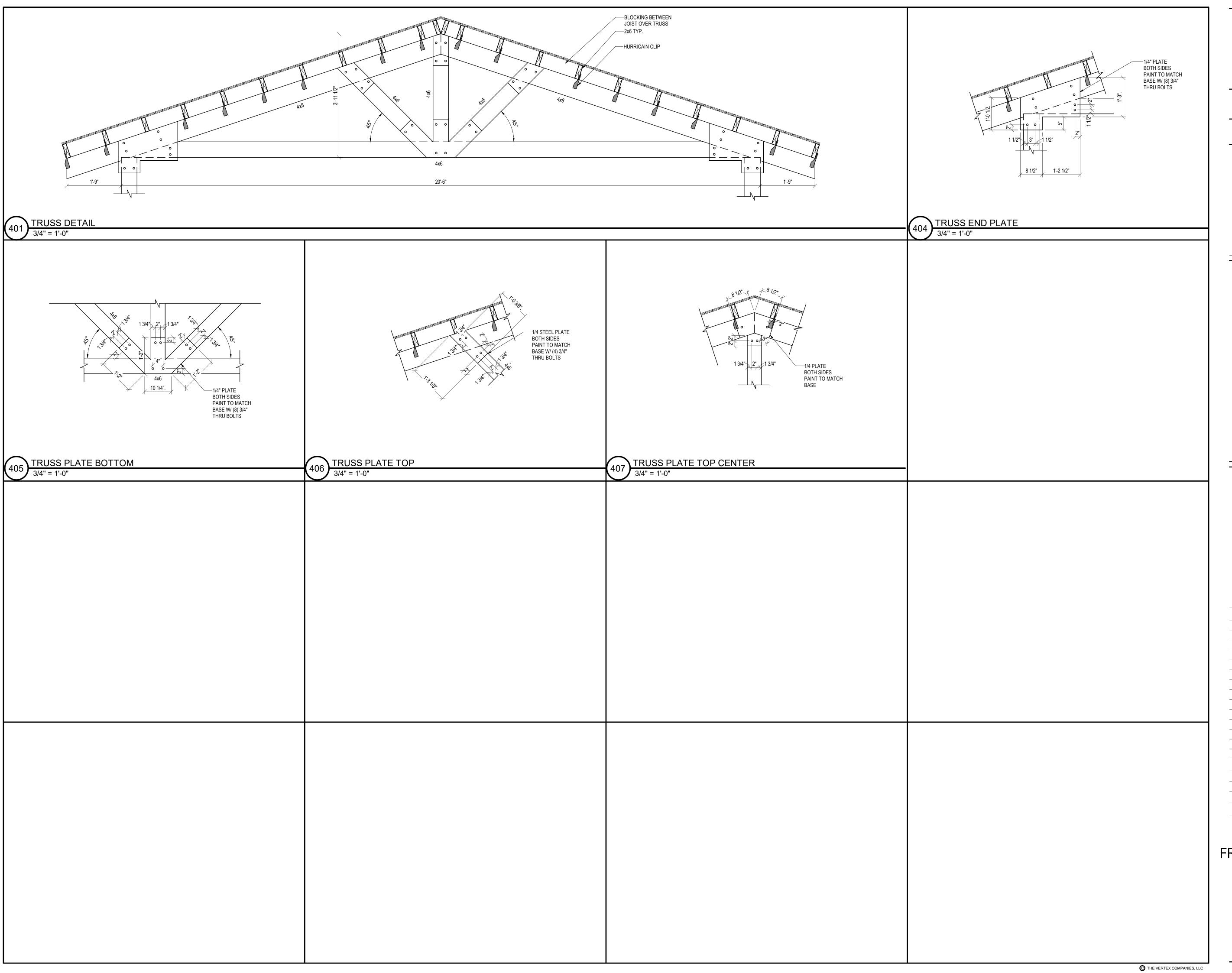
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FOUNDATION DETAILS 301-316

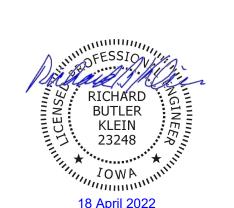
S3.00



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FRAMING DETAILS 401-416

S4.00