CITY OF Sylvester GEORGIA

101 N. Main Street P.O. Box 370 Sylvester, Georgia 31791• (229) 776-8505 (Office) (229) 776-8519 (Fax)

Request for proposal for

Telecommunications Hut

BID OPENING **July 10 2021**
AT **10:00 A.M.**

Bid packets will be received via a private online folder of the City of Sylvester, by July 10, 2021 at 10:00 AM., Eastern Standard Time, to be considered. **If you wish to bid, please submit your Bid packet as a PDF document with the following title format: [Company Name] Telecommunications Hut [Document number]**. No bid will be accepted after the opening time. Bids received after that time shall be considered late and will not be accepted.

Bid submission instructions

The City of Sylvester is now accepting bid submissions electronically unless otherwise stated in the bid opportunity. Once you have submitted your bid, if you need to make a change a new bid submission is required.

It is the responsibility of all potential bidders to check the website for upcoming bids, addendum, updates, etc.

Procedure:

1) Proceed to the City's website – www.cityofsylvester.com/bids
2) Locate the bid opportunity.
3) Click the Bid's title to see the details of the opportunity or the "Submit Bid" button to securely upload and send the required documentation using our online bid submission service.

The City reserves the right to reject any and all bids, to waive minor irregularities, consider minor variations to specifications that are clearly detailed, and to accept the lowest or best bid combination which appears to be in the best interest of the Authority. **All persons and entities submitting bids are hereby notified that the City of Sylvester reserves the right to seek new bids, to accept or reject any or all bids, in part or in whole, to waive minor irregularities, technicalities, and/or informalities in proposing, and to award a contract in part or as a whole as deemed to be in the best interest of the City of Sylvester.** The City of Sylvester gives further notice that the lowest bid will not necessarily be considered the best bid, and the City reserves the right to select the bid deemed to be in the best interests of the City. If no acceptable bid is received the City of Sylvester also reserves the right to re-bid at its sole discretion.

The bids will be publicly opened and read aloud in the City Hall Council Chambers located at 101 N. Main Street Sylvester, Georgia 31791 at the appointed time. In accordance with the City of Sylvester's Purchasing Policy, the bids will be considered by the City and/or its Council within forty-five (45) days of the bid opening. Bid pricing should remain effective for sixty (60) days after the bid opening.

Proposal Guaranty: No Guaranty, unless bid is over $100,000.
Bid Bond (5%)
Project Deadline: 45 Days
Liquated Damages: None Payment Bond: If bid exceeds $100,000
Performance Bond: If bid exceeds $100,000
Liability Insurance: $1,000,000 minimum for general public liability, vehicles, bodily injury and property damage.(including all subcontractors)
Worker's Compensation: Policy is mandatory, no matter size of company
General Contractor's License: a valid state of Georgia Contractor's License is required E-Verify: Contractor shall submit the E-Verify Number
Statement of Qualifications: Contract shall execute qualification section
Warranty: a 15% retainage will be held until complete approval by City of Sylvester
All work will be warranted for two years. A letter of warranty must be signed by contractor and city to release retainage.

To Whom This Concerns,

The City of Sylvester is seeking a proposal for a Telecommunications Hut with the following specifications. It is our goal to provide a simple yet understandable outline of the items and services we expect to be provided. The City of Sylvester understands that no turn-key solution will fit into the same box and therefore we will need to ask that you provide as much information as you can to provide details for our consideration

Please provide a company background that details your experience related to the solution you are offering.

Please detail how many installations of this solution you currently have in place.

Addendum A comprises the desired turn-key solution description.

Addendum B comprises an example building layout.

If you provide additional features, please detail those.

If you do not provide a feature listed, indicate these as exceptions in your proposal.

These are minimum specifications. Additional options will be considered if you provide adequate description and pricing information.

Any questions, please call Marvin Golden at 229-584-2020 or email marvin.golden@networkts.com.

Thank you and we look forward to receiving your proposal.

Owner: City of Sylvester, GA

By: Autron Hayes

Title: City Manager

Date: 06/24/2021

Addendum A

The city of Sylvester is seeking a turn-key project proposal to provide a Telecommunication management facility with the following specifications. In addition, the City of Sylvester is seeking site preparation, foundation slab construction, halo grounding, generator pad and all electrical connection to support a UPS and a generator. The proposers are welcome to inspect the site located at:

105 East King Street.
Sylvester Georgia.
Site Contact Tyree McGee

SHELTER DESCRIPTION

A. The communication shelter shall be a precast concrete prefabricated steel reinforced structure. The building exterior shall be the nominal dimensions as noted in the plans with a minimum of 1 1/2 inch roof overhang on all sides. The roof shall be a cap type to provide a drip point for rainwater to drip clear of the shelter wall or equivalent. The finished inside clear height shall be at least 9 foot 0 inches.
B. Roof shall be solid concrete and have a center Ridge to provide water runoff with minimum thickness of four inch at the eaves and six inches at the Ridge or equivalent.
C. Walls shall consist of four-inch minimum solid concrete with an exposed aggregate exterior finish, exposed aggregate shall be sealed. No sandwich type construction permitted. D. Concrete floor shall support the design loads and specialized equipment.
E. Shelter shall be sealed and waterproofed at the factory.
F. Shelter shall be designed to be handled and off loaded with standard pickups at the base of the shelter roof pick points for handling the structure are not permitted.
G. Shelter shall be a minimum 10 X 15 foot inside dimension. A larger building is acceptable. Regardless the building must be sized and configured to support 6 free standing 23-inch telecommunications racks.
H. Refurbished building proposal is acceptable.
I. All internal electrical wiring shall be designed and installed to support 120v AC access for each telecom rack. As well as convenience outlets spaced alone each wall.
J. The electrical system shall be designed and installed to support the HVAC system described later in this document.
K. The electrical system shall also be designed and installed to support a UPS System.
L. All proposals shall include drawings to indicate all systems provided.
M. It is the intent of the City of Sylvester to allow for a variance in proposals as deemed appropriate by the companies submitting proposals. To that end if any of the following specifications are not met or are exceeded or in some other way allowed for the proposer must indicated the variances.

MINIMUM DESIGN REQUIREMENTS

A. Shelters shall be designed to meet the following **minimum** loading:

1.	Roof Live Load	30 PSF
2.	Floor Live Load	200 PSF
3.	Floor Dead Load	75 PSF
4.	Wall Wind load	100 MPH
5.	Ballistic tested	Level IV: 30-06 fired from 15'

B. In addition to the requirement set forth in these specifications, this structure will also meet or exceed to the extent applicable, but not limited to, the requirement of the latest documents as follows:
    a. ANSI/NFPA-70 and NFPA-78
    b. MIL-I-45208
    c. ASTM-E-84
    d. ANSI-58
    e. MIL-188-124A
    f. PSI-74999
    g. All applicable equipment shall be U.L. Listed

C. The building, once mounted, shall be able to withstand minimum wind loadings of 100 mph without moving turning over or damage.

ELECTRICAL DESIGN AND INSTALLATION

A. All electrical systems shall be designed and installed in accordance with the national electric code in EC, latest edition, and applicable local codes for the jurisdiction in which the shelter is to be installed. Sylvester, Georgia.

B. All electrical and grounding systems shall be installed by a licensed electrician. C. Electrical system shall be operational on 120/240V AC, 1P

DESIGN CERTIFICATION

A. Shelters shall be professionally engineered to meet zoning and building code requirements for the state and County in which it is to be delivered. Design calculations or a letter of certification signed and sealed by a registered professional engineer for the state of Georgia stating the building system meets design load requirements shall be available upon request. Shelter shall be approved, inspected, and labeled by an independent third-party agency if required inspections must be completed and labels applied prior to delivery to the site.

B. Shelters shall be designed to meet the requirements of loading of the following.
    1. American National Standards (A.N.S) “Building Code Requirement for Minimum Design Loads in Buildings and Other Structures”
    2. American concrete Institute (A.C.I – 318R-05) “Building Code Requirements for Reinforced Concrete.
    3. Concrete Reinforcing Institute “Manual of Standard Practice”
    4. State and Local Jurisdiction current Building Codes.

MATERIALS

A. The materials furnished shall include a precast concrete structure, fasteners, anchors, sealants, doors, cable tray, electrical, HVAC, standby generator and all other parts and equipment necessary for a complete building system as detailed in the plans and specifications. The shelter shall be delivered to and installed at the site location determined by the customer.

B. Concrete
    1. Steel-Reinforced (ASTMA615 Grade 60 & ASTMA-185 Welded wire Fabric). 5,000 PSI minimum, 28 day Compressive Strength, Air-Entrained (ASTM C260) or equivalent

C. Electrical
    1. Electrical equipment, installations and labor shall comply with the most recent edition of the national electric code and local jurisdiction.

D. Exterior:
   1. The exterior wall finish shall be an exposed aggregate with an earth tone Brown color the exterior finish shall be sealed with an approved compound designed for this application.
   2. Doors, awnings, ventilation hoods and other exterior steel surfaces shall be primed and painted the same color with rust inhibitor paint.
   3. Roof service shall be travel and sealed with a liquid membrane coating. Roof edges are to be smoothed without chips or a regular surface is.

E. Interior
   1. Concrete walls and ceiling shall be covered with white NU- Poly FRP over 3/8 inch minimum OSB or equivalent. Wood framing studs are permitted when three quarter inch OSB is used.
   2. Concrete floor shall be Rotary trowel to smooth and flat surface. The floor shall be sealed with epoxy built up coating. Covered with commercial vinyl floor tile and include vinyl base cove installed around the perimeter.

F. Fire Resistant:
   1. The exterior and interior walls shall have at least a 2 hour fireproof rating without affecting the structural properties of the building.

G. Insulation
   1. Energy calculations conforming to the 2012 International Energy conservation code IECC or newer if required shall be submitted with the completed design documents. Shelter shall have the following minimum insulation values:
   2. Exterior walls: R-19
   3. Ceiling: R-19

ELECTRICAL SYSTEMS II

A. 120/240 VAC single phase, 60hz or 120/208 VAC three phase, 60 hz as required by site.
B. 200 Amp Fused Main Service Disconnect
C. Commercial Power Fail Alarm
D. Distribution Panel (PP1)
E. 42 slots for branch breakers
F. Surge Protection Devices
   a. SPD1:
      i. Type 1, 200KA Surge Capacity, EMI/RFI Filtering, Form C Dry Contacts
      ii. Mersen Surge Trap XT Series, or equiv.
   b. SPD2:
      i. Type 2, 200KA Surge Capacity, Form C Dry Contacts
      ii. Mersen Surge Trap XT Series, or equiv. iii. Provide 60A 2P disconnects
      iv. Surge protection devices shall include alarm contacts and be wired back to the 66 type alarm punch block.
G. Automatic Transfer Switch
H. 150A Generator Receptacle
I. 120V receptacles
J. 120V & 240V circuits
K. All wiring will be installed in surface mounted conduit or wire ways and will be in full compliance with ANSI/NFPA-70; The National Electric Code, Latest Revision.
L. All receptacles and devices shall be labeled with the circuit/breaker number

Lighting:

A. Provide sufficient switched LED ceiling light fixtures to adequately illuminate the interior of the building. Also, an exterior light fixture located beside the entrance door shall be provided.

HVAC:

A. The HVAC system shall include Two (2) lead lag-controlled wall mount airconditioning units (3.0 Ton or 35,400 BTUH)
   a. 230V, 1P 60Hz
   b. Efficiency shall provide 11.0 EER minimum cooling ratio
   c. Lead lag controller: Bard MC4000-A or equivalent
   d. Economizer
   e. Low ambient air kit to allow compressor to run down to 0 degrees F. f. 5KW heat strip

Cable Tray:

A. 12”, 18” or other size overhead cable ladder
B. 1 ½” stringers
C. 9” rung spacing
D. Zinc dichromate finish

Fiber entrance floor port

Provide 6” X 6” X 11” floor entrance port in the building mated to the same port in the foundation with three (3) 4-inch J tube conduits extending 12 inches above the floor and also extending below the concrete foundation and outside the foundation a minimum of 4 feet.

UPS

No UPS is being requested at this time.

Generator

Please disregard line 15, page 2 of Addendum B. We are not requesting a quote for a generator currently.

Addendum B

Please disregard line 15, page 2 of Addendum B. We are not requesting a quote for a generator currently.

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Drawings follow on next page.

BUILDING EXTERIOR

☐ OTHER_____

PROJECT

CITY OF SYLVESTER

JOB NO.

SITE NAME

SYLVESTER HUT

SIZE

11'6"W. OD X 14'L. OD X 9'H. ID

FOR SIGNATURE OR STAMPED APPROVAL:

DRAWING TITLE	DRAWING NUMBER
DRAWING INDEX	PAGE 1 OF 6
BILL OF MATERIALS & NOTES SHEET	PAGE 2 OF 6
INTERIOR LAYOUTS	PAGE 3 OF 6
ELAVATION VIEWS	PAGE 4 OF 6
GENERATOR FOUNDATION ASSEMBLY	PAGE 5 OF 6
BUILDING FOUNDATION ASSEMBLY	PAGE 6 OF 6

USAGE	UNMANNED SHELTER
CONSTRUCTION TYPE	VB
OCCUPANCY GROUP	S-2
STORIES	1
BASIC WIND SPEED	100 MPH 3 SEC GUST
FLOOR LOAD	200 PSF
ROOF LOAD	30 PSF
FLOOR AREA	184 SQ.FT.
BUILDING HEIGHT	10'-11"
SEISMIC DESIGN	CAT D
WIND EXPOSURE	CAT C

PROJECT NAME: CITY OF SYLVESTER

11'6"W. OD X 14'L. OD X 9'H. ID SHELTER

TTLE PAGE

PROJECT NUMBER: | DRAWN: | DRAWING NUMBER:

SCALE ~ 11X17: | REVISED: | DRAWN BY:

SHEET: **1 OF 6**

ELECTRICAL NOTES

1. ALL WIRING SHALL BE IN ACCORDANCE WITH THE 2014 NATIONAL ELECTRIC CODE.
2. ALL ELECTRICAL MATERIALS SHALL BE U.L. LISTED AND CLASSIFIED AS SUITABLE FOR THE PURPOSE SPECIFIED.
3. ALL WIRING SHALL BE SURFACE MOUNTED IN A RACEWAY OR EMT CONDUIT USING APPROVED CONNECTORS, COUPLINGS, AND CLAMPS, ALL CONDUIT SHALL BE ANCHORED IN PLACE AT APPROXIMATELY EVERY 4 FT.
4. ALL WIRING SHALL BE A SOLID CONDUCTOR, THHN OR THWN COPPER, NO SMALLER THAN A #12.
5. ALL WIRE RUNS SHALL BE CONTINUOUS.
6. LOW VOLTAGE WIRE MAY BE STRANDED.
7. ALL WIRING SHALL BE TESTED AND INSPECTED PRIOR TO SHIPMENT.
8. GREEN GROUND CONDUCTORS SHALL BE RUN TO ALL OF THE BUILDINGS A/C POWERED DEVICES. CONDUIT SHALL NOT BE USED AS THE SOLE SOURCE OF GROUND.
9. ALL ALARM DEVICES WIRING SHALL BE RUN IN ITS OWN CONDUIT TO THE ALARM CABINET.
10. ELECTRICAL CONDUIT COUPLERS WILL BE STANDARD SCREW TYPE FITTINGS.
11. MINIMUM EMT CONDUIT SIZE SHALL BE TRADE SIZE 16 (1/2")

BILL OF MATERIALS

NO.	QTY.	TBB PART #	MFG PART #	DESCRIPTION
1.	1			3' X 7' STEEL INSULATED DOOR SLAB, BRONZE
				FRAME, 3070, BRONZE RHR, ADJUSTABLE
				LEVER PASSAGE & DEADBOLT
2.	1			GFI RECEPTACLE 20A. W/WEATHERPROOF COVER
3.	1			LIGHT SWITCH, DOUBLE
4.	1			200A. 120/240V. SINGLE PHASE, 40 POSITION
				DISTRIBUTION PANEL W/ 200A. MAIN BREAKER
5.	1			BARD HVAC LEAD LAG CONTROLLER OR EQUIVALENT
6.	2			BARD 3 TON AC, 1 PH, W/5KW HEAT OR EQUIVALENT
7.	1			12" MASTER GROUND BAR
8.	1			BLACK MANUAL WALL PACK DOCUMENT HOLDER
9.	3			4' 2 BULB LED FIXTURE OR EQUIVALENT
10.	1			EXTERIOR LIGHT WITH PHOTOCELL
11.	5			DUPLEX RECEPTACLES 20A.
12.	A/R			12" CABLE LADDER RACK
13.	A/R			4" WIRE RACEWAY
14.	2			6" X 6" X 11" FLOOR INSERT FOR FLOOR PENETRATION
15.	1			CUMMINS GENERATOR 60Hz 36kW OR EQUIVALENT
16.	1			ATS, CUMMINS 225A, 120/240V, 1 PH OR EQUIVALENT
	1			ATS NEMA 3R ENCLOSURE FOR OTEC225
	1			COVER SWITCH CONTROL, SECURITY FOR OTEC225
17.	2			TWISTLOCK RECEPTACLE 30A., 250V, 2P
18.	2			JUNCTION BOX, 4 X 4
	2			JUNCTION BOX, 4 X 4, COVER

11'6"W. OD X 14'L. OD X 9'H. ID SHELTER

REVISIONS & NOTES

PROJECT NAME: CITY OF SYLVESTER

DRAWING NUMBER:

PROJECT NUMBER: DRAWN:

SCALE – 11X17: REVISED:

SHEET: **2 OF 6** DRAWN BY:

PROJECT NUMBER:	DRAWN:
SCALE ~ 11X17:	REVISED:
SHEET:	DRAWN BY:
3 OF 6	

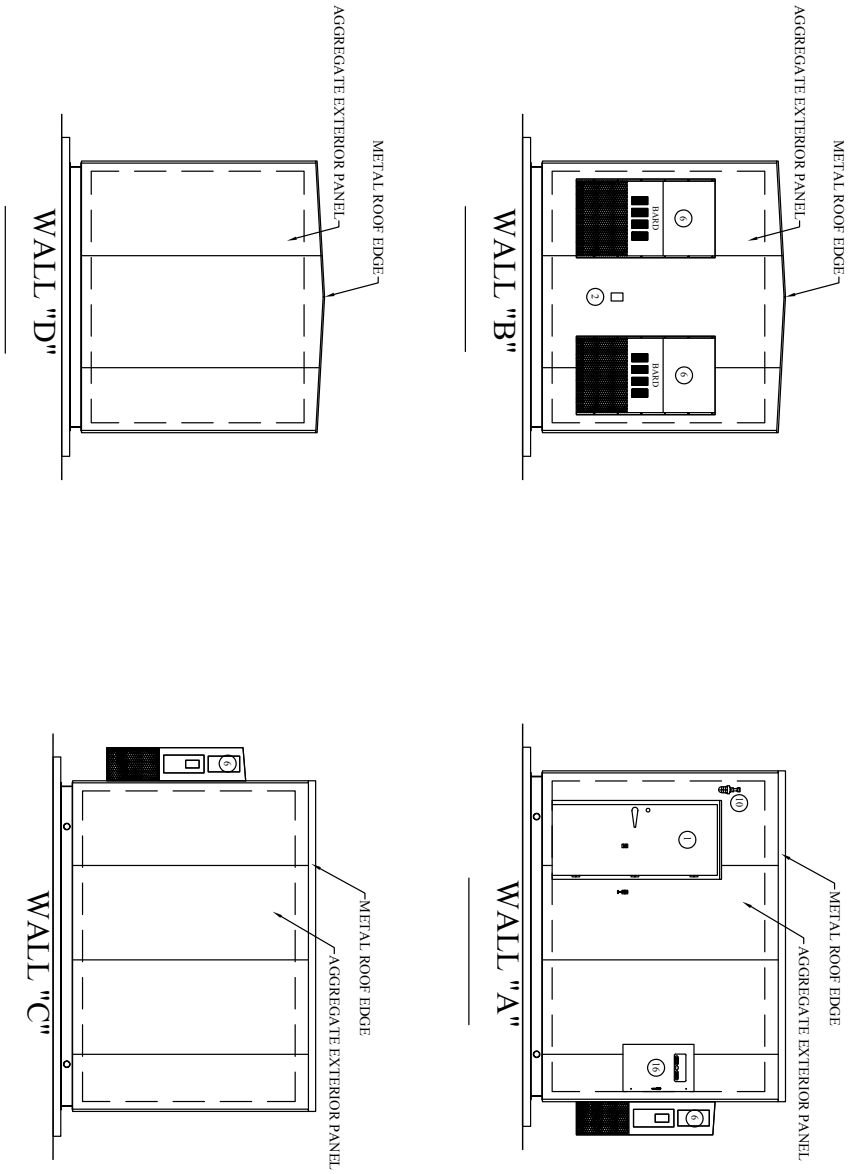
PROJECT NAME:
CITY OF SYLVESTER

DRAWING NUMBER:

11'6"W. OD X 14'L. OD X 9'H. ID
SHELTER

INTERIOR

NOTES:
1. ALL CONDUIT SHOWN IS APPROXIMATE AND MAY NOT REFLECT ACTUAL RUNS IN BUILDING



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SCALE ~ 11X17:	REVISED:
SHEET: **4 OF 6**	DRAWN BY:

PROJECT NAME: CITY OF SYLVESTER

DRAWING NUMBER:

11'6"W. OD X 14'L. OD X 9'H. ID SHELTER

EXTERIOR

PROJECT NUMBER:	DRAWN:
SCALE ~ 11X17:	REVISED:
SHEET:	DRAWN BY:

5 OF 6

CITY OF SYLVESTER

PROJECT NAME:

DRAWING NUMBER:

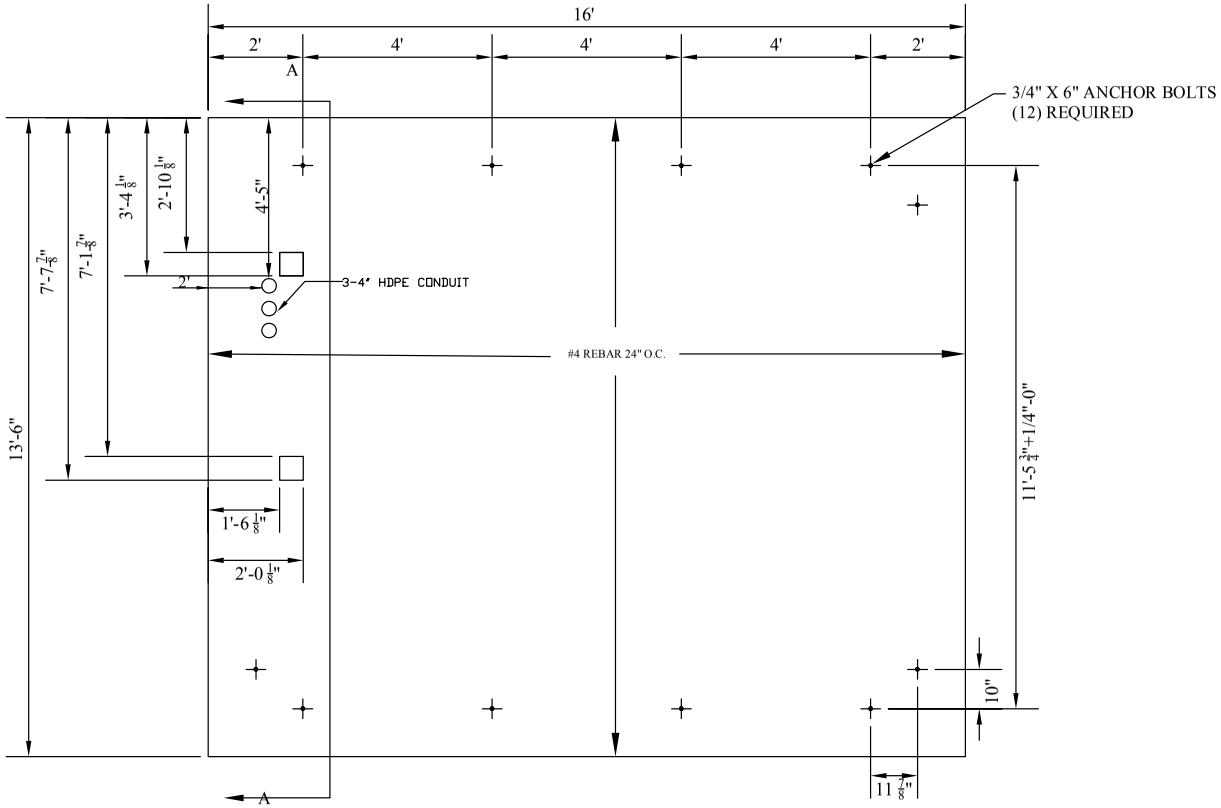
GEN. FOUNDATION

11'6"W. OD X 14'L. OD X 9'H. ID
SHELTER

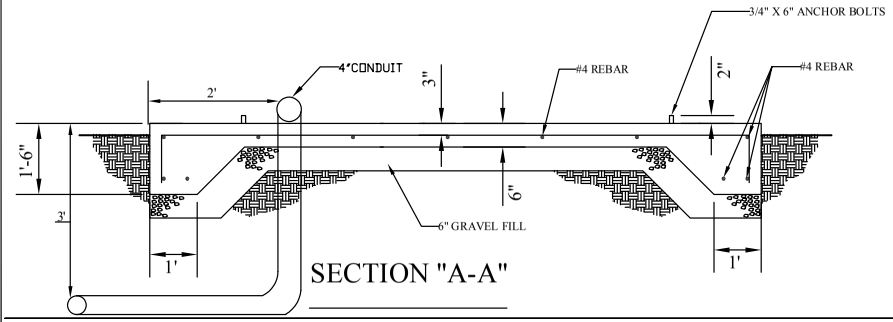
NOTES:
1. CONCRETE SHALL ATTAIN A MINIMUM ULTIMATE COMPRESSION STRENGTH OF 4000 PSI WITHIN 28 DAYS.
2. ALL WIRE MESH TO HAVE A MINIMUM OF 2" CONCRETE COVER.
3. FOUNDATION PLANS ARE SUGGESTED DESIGN ONLY. ACTUAL FOUNDATION DESIGNS SHALL BE DONE BY A REGISTERED PROFESSIONAL AND ARE THE RESPONSIBILITY OF THE INSTALLER.
4. MINIMUM SOIL BEARING 1500 PSF.

SECTION "A-A"

PLAN VIEW



PLAN VIEW



SECTION "A-A"

NOTES:
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PROJECT NAME: CITY OF SYLVESTER
DRAWING NUMBER:
11'6"W. OD X 14'L. OD X 9'H. ID SHELTER
FOUNDATION
PROJECT NUMBER: DRAWN:
SCALE - 11X17: REVISED:
DRAWN BY:
SHEET: 6 OF 6