



Robertson County Tennessee

Jody Stewart, Finance Director

Finance Department

523 South Brown Street, Springfield, TN 37172

(615) 384-0202 Fax (615) 384-0237

POST DATE: **May 23, 2019**

**BID 1419 : SCALE HOUSE FOR TRAFFIC FLOW IMPROVEMENT PROJECT
FOR SOLID WASTE**

Pre-Bid Meeting: No pre-bid meeting scheduled

Sealed bids must be received by: **JUNE 6th, 2019 at 10:00 A.M. CST**
at

Robertson County Finance Office
523 South Brown Street
Springfield, TN 37172

THE OUTSIDE OF THE ENVELOPE MUST BE MARKED WITH THE BIDDER'S COMPANY NAME, ITEM BID, TIME OF BID OPENING, DATE OF BID OPENING, BID NO. 1419 (Scales House Only) AND MUST BE MARKED "SEALED BID, DO NOT OPEN."

Bids shall be opened and read aloud to the public at the Robertson County Finance Office, 523 S. Brown Street, Springfield, TN 37172 immediately following the bid receipt deadline. Each bid must be submitted in a separate sealed envelope with the appropriate notation on the outside. All bids must be signed by an authorized agent and submitted on the prescribed forms. Submission of bids by telegraph, telephone, or other electronic means is strictly prohibited. Any proprietary items offered for bid must be equivalent as to function, basic design, type and quality of material, method of construction, and any required dimensions as required in plans with no restrictions or exclusions.

For assistance with technical / product information contact CSR Engineering, Inc., 1116 Main St., Pleasant View, TN 37146 (615-247-5381 or jason.reynolds@csrengineers.com). For assistance with bid procedures contact Taylor Tomblin, Robertson County Finance Office at (615) 384-0202 or by email: ttomblin@robcotn.org.

Note: Robertson County reserves the right to reject any or all bids, to waive any technicalities or informalities, and to accept any bid deemed in the best interest of the County. All bids will be considered in accordance with Title VI and without regard to age, sex, color, race, creed, national origin, religious persuasion, marital status, political belief, or disability that does not prohibit the performance of duty.

INFORMATION FOR BIDDERS

BIDS will be received by The Robertson County Finance Department (herein after called the "OWNER"), at 523 South Brown Street, Springfield, TN 37172 until 10:00 A.M. (Central Standard Time) June 12, 2019, and then at said office will be publicly opened and read aloud.

Each BID must be submitted in a sealed envelope, addressed to the OWNER at Springfield, Tennessee. Each sealed envelope containing a BID must be plainly marked on the outside as BID for TRUCK SCALE SYSTEM PROJECT (Scale House Only) and the envelope should bear on the outside the name of the BIDDER, his address and his contractor's license number, if applicable. If forwarded by mail, the sealed envelope containing the BID must be enclosed in another envelope addressed to the OWNER at Springfield, Tennessee. All BIDS must be made on the required BID form. All blank spaces for BID prices must be filled in, in ink or typewritten, and the BID form must be fully completed and executed when submitted. Only one copy of the BID form is required.

Should there be reasons why the contract cannot be awarded within the specified period; the time may be extended by mutual agreement between the OWNER and the BIDDER.

The BIDDER shall have been engaged, for at least five (5) years, and properly experienced in the business of performing the type work required on the PROJECT and hold the appropriate classification of a Tennessee contractor's license.

Bidder must clearly be a manufacturer's certified installer at time of bidding, hold a current Robertson County Business License (at time of contracting) and must provide proof of automobile insurance, liability insurance and workers' compensation insurance. Robertson County assumes no liability for accidents incurred to bidder's employees while on the job site.

The BIDDER shall furnish to the OWNER all such information and data as the OWNER may request, to assist the OWNER in determining the ability of the BIDDER to perform the WORK.

BIDDERS must satisfy themselves of the accuracy of the estimated quantities of work in the Bid Schedule by examination of the site and a review of the drawings and specifications including any issued ADDENDA. After BIDS have been submitted, the BIDDER shall not assert that there was a misunderstanding concerning the quantities of WORK or of the nature of the WORK to be done.

The CONTRACT DOCUMENTS contain the provisions required for the construction of the PROJECT. Information obtained from an officer, agent, or employee of the OWNER or any other person shall not affect the risks or obligations assumed by the CONTRACTOR or relieve him from fulfilling any of the conditions of the contract.

The party to whom the contract is awarded will be required to execute the Agreement and obtain the performance bond and labor and material payment bond within ten (10) calendar days from the date when NOTICE OF AWARD is delivered to the bidder. The NOTICE OF AWARD shall be accompanied by the necessary Agreement and project bond forms. In case of failure of the BIDDER to execute the Agreement, the OWNER may at his option consider the BIDDER in default, in which case the BID bond accompanying the proposal shall become the property of the OWNER.

The OWNER within ten (10) days of receipt of acceptable performance bond, labor and material payment bond, and Agreement signed by the party to whom the Agreement was awarded shall sign the Agreement and return to such party an executed duplicate of the Agreement. Should the OWNER not execute the Agreement within such period, the BIDDER may by written notice withdraw his signed Agreement. Such notice of withdrawal shall be effective upon receipt of the notice by the OWNER.

The NOTICE TO PROCEED shall be issued within ten (10) days of the execution of the Agreement by the OWNER. Should there be any reasons why the NOTICE TO PROCEED cannot be issued within such period; the time may be extended by mutual agreement between the OWNER and CONTRACTOR. If the NOTICE TO PROCEED has not been issued within the ten (10) day period mutually agreed upon, the CONTRACTOR may terminate the Agreement without further liability on the part of either party.

The OWNER reserves the right to reject any BID if the evidence submitted by, or investigation of, such BIDDER fails to satisfy the OWNER that such BIDDER is properly qualified to carry out the obligations of the Agreement and to complete the WORK contemplated herein.

A conditional or qualified BID will not be accepted.

Award will be made as a whole to one BIDDER.

SCOPE OF WORK

Contractor shall provide all labor, material, tools, equipment, and supervision necessary to remove and legally dispose demolition material and complete the installation, including all necessary components of one (1) new scale house and related plans details for the Robertson County Solid Waste Facility, located at 2916 West County Farm Road, Springfield, TN 37172. See also the attached April 17, 2019 drawings defining existing conditions and required scope of work.

BASIS OF AWARD

The AWARD of the CONTRACT will go to the lowest responsible BIDDER.

All applicable laws, ordinances, and the rules and regulations of all authorities having jurisdiction over construction of the project shall apply to the contract throughout.

Each BIDDER is responsible for inspecting the site and for reading and being thoroughly familiar with the CONTRACT DOCUMENTS. The failure or omission of any BIDDER to do any of the foregoing shall in no way relieve any BIDDER from any obligation in respect to his BID.

The ENGINEER is: CSR Engineering, Inc.
 1116 Main St.
 Pleasant View, TN 37146
 (615-247-5381)

BID FORM

Proposal of _____ (hereinafter called "BIDDER"),
organized and existing under the laws of the State of _____, doing
business as _____* to
the County of Robertson (Springfield, TN) (hereinafter called "OWNER").

**Insert a corporation, a partnership, or an individual as applicable.*

In compliance with your Advertisement for Bids, BIDDER hereby proposes to perform all
WORK for the construction of TRUCK SCALE SYSTEM PROJECT (Scale House Only) in strict
accordance with the CONTRACT DOCUMENTS, within the time set forth herein, and at
the prices stated below.

By submission of the BID, BIDDER certifies, and in the case of a joint BID each party
thereto certifies as to his own organization, that this BID has been arrived at
independently, without consultation, communication, or agreement as to any matter
relating to this BID with any other BIDDER or with any competitor.

BIDDER hereby agrees to commence work under this contract on or before a date to be
specified in the NOTICE TO PROCEED and to fully complete the PROJECT within 60
consecutive calendar days thereafter (adjusted by Engineer for any scales coordination
time required). BIDDER also agrees to complete all work in a manner so as not to
adversely affect the daily operation of the existing Solid Waste Facility operations.

BID FORM CONT'D

BIDDER further agrees to pay as liquidated damages, the sum of \$300 for each calendar day in which they are in default of the 60 days stipulated above.

BIDDER acknowledges receipt of the following ADDENDUM (A):

BIDDER agrees to perform all the work described in the CONTRACT DOCUMENTS for the following itemized prices:

ITEM	QUANTITY	UNIT	UNIT PRICE	ITEM TOTAL
TRUCK SCALE HOUSE (w/ all details)	1	LS		
CONCRETE DEMOLITION	1	LS		

and for the **Project** total of

(\$_____)

Dollars.

(Amount shall be shown in both words and figures. In case of discrepancy, the amount shown in words will govern.

BID FORM CONT'D

The above itemized prices, and total price for the project shall include all labor, materials, shoring, removal, overhead, profit, insurance, etc. to cover the finished work of the several kinds called for.

Bidder understands that the Owner reserves the right to reject any or all bids and to waive any informality in the bidding. The Bidder agrees that this bid shall be good and may not be withdrawn for a period of 60 calendar days after the scheduled closing time for receiving bids. Upon receipt of written notice of the acceptance of this bid, Bidder will execute a formal Agreement and deliver a Surety Bond or Bonds and Insurance Certificates as defined in the attached bid documents.

The undersigned Bidder does hereby declare and stipulate that this bid is made in good faith, without collusion or connection with any other person or persons bidding for the same work, and that it is made in pursuance of and subject to all the terms and conditions of the Bid Documents and Specifications, and the Plans pertaining to the work to be done.

Respectfully submitted:

Prime Contractor Signature

Name: _____

Company: _____

Title: _____

Business Address: _____

Contractor's License No: _____

License Expiration Date: _____

Telephone Number: _____

Email Contact: _____

DRUG-FREE WORKPLACE AFFIDAVIT

The undersigned, principal officer of _____, an employer of five (5) or more employees contracting with Robertson County, Tennessee government to provide construction services, hereby states under oath as follows:

1. The undersigned is a principal officer of _____ (hereinafter referred to as the "Company"), and is duly authorized to execute this affidavit on behalf of the Company.
2. The Company submits this Affidavit pursuant to T.C.A. § 50-9-113, which requires each employer with no less than five (5) employees receiving pay who contracts with the state or any local government to provide construction services to submit an affidavit stating that such employer has a drug-free workplace program that complies with Title 50, Chapter 9, of the *Tennessee Code Annotated*.
3. The Company is in compliance with T.C.A. § 50-9-113.

Authorized Signature, Title (Owner/ Corporate Officer)

Date

Printed Name

Company Name

Mailing Address

Telephone No.

Fax No.

Witness Signature

Date

Witness printed name

Robertson County, Tennessee
NON-COLLUSION AFFIDAVIT

The agent of the bidding firm hereby certifies to the best of his/her knowledge and belief that this bid proposal to Robertson County, Tennessee has not been prepared in collusion with any other seller of similar products. The agent also certifies that the prices, terms and conditions of said bid proposal have not been communicated by the undersigned, nor by any employee or agent of the bidding firm, to any other seller of similar products and will not be communicated to any such seller prior to the official opening of said bid. The agent further states that no official or employee of Robertson County Government has promised any personal financial or other beneficial interest, either directly or indirectly in order to influence award of this bid.

Authorized Signature, Title (Owner/ Corporate Officer)

Date

Printed Name

Company Name

Mailing Address

Telephone No.

Fax No.

Contact preferred email address

AGREEMENT

THIS AGREEMENT, made this _____ day of _____, 20_____, by and between The County of Robertson (Springfield, TN), hereinafter called "OWNER" and _____ doing business as (an individual,) or (a partnership,) or (a corporation) hereinafter called "CONTRACTOR".

WITNESSETH: that for an in consideration of the payments and agreements hereinafter mentioned:

1. The CONTRACTOR will commence and complete the construction of the TRUCK SCALE SYSTEM PROJECT (Scale House Only).
2. The CONTRACTOR will furnish all of the material, supplies, tools, equipment, labor and other services necessary for the construction and completion of the project described herein.
3. The CONTRACTOR will commence the work required by the CONTRACT DOCUMENTS on or before a date to be specified in the NOTICE TO PROCEED and shall complete the work within bid document requirements for consecutive calendar days and all stated requirements thereafter.
4. The CONTRACTOR agrees to perform all the WORK described in the CONTRACT DOCUMENTS for the sum of \$_____.
5. The term "CONTRACT DOCUMENTS" means and includes the following:
 - A. Advertisement For Bids
 - B. Information For Bidders

C. Bid

~~D. Bid Bond~~

E. Agreement

~~F. General Conditions~~

~~G. Supplemental General Conditions~~

H. Payment Bond

I. Performance Bond

J. Notice of Award

K. Notice to Proceed

L. Change Orders

M. DRAWINGS and SPECIFICATIONS prepared or issued by CSR Engineering,
Inc. dated April 17, 2019.

N. ADDENDA:

No. _____, dated _____, 20__

No. _____, dated _____, 20__

No. _____, dated _____, 20__

No. _____, dated _____, 20__

6. The OWNER will pay to the CONTRACTOR in the manner and at such times as set forth in the General Conditions such amounts as required by the CONTRACT DOCUMENTS.

7. This Agreement shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assigns.

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Agreement in two (2) (number of copies) each of which shall be deemed an original on the date first above written.

OWNER:

By: _____

Name: _____

(Please Type)

Title: _____

ATTEST:

Name: _____

(Please Type)

Title: _____

CONTRACTOR:

By: _____

Name: _____

(Please Type)

Address: _____

(SEAL)

ATTEST:

Name: _____

(Please Type)

Address: _____

LABOR AND MATERIAL PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS: that

(Name of Contractor)

(Address of Contractor)

a _____, hereinafter called
(Corporation, Partnership, or Individual)

PRINCIPAL, and _____
(Name of Surety)

(Address of Surety)

hereinafter called SURETY, are held and firmly bound unto **The County of Robertson**
(Springfield, TN) located at 523 Brown Street, Springfield, Tennessee 37172

hereinafter called OWNER, in the penal sum of _____
_____ Dollars, \$ (_____) in lawful

money of the United States, for the payment of which sum well and truly to be made,
we bind ourselves, successor and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the PRINCIPAL entered
into a certain contract with the OWNER, dated the _____ day of _____, 20____
a copy of which is hereto attached and made a part hereof for construction of: TRUCK
SCALE SYSTEM PROJECT (Scale House Only).

NOW THEREFORE, if the PRINCIPAL, shall promptly make payment to all persons, firms, subcontractors, and corporations furnishing materials for or performing labor in the prosecution of the work provided for in such contract, and any authorized extension or modification thereof, including all amounts due for materials, lubricants, oil, gasoline, repairs on machinery, equipment and tools, consumed or used in connection with the construction of such work, and all insurance premiums on said work, and for all labor, performed in such work whether by subcontractor or otherwise, then this obligation shall be void; otherwise to remain in full force and effect.

PROVIDED, FURTHER, that the said SURETY, for value received hereby stipulates and agrees that no change, extension of time, alternation or addition to the terms of the contract or to the work to be performed thereunder or the specifications accompanying the same shall in any wise affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alternation or addition to the terms of the contract or to the work or to the specifications.

PROVIDED, FURTHER, that no final settlement between the OWNER and the PRINCIPAL shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in two (2) counterparts, each of which shall be deemed an original, this the _____ day of _____, 20__

ATTEST:

Principal

(Principal) Secretary

(SEAL)

By: _____ (s)

(Address)

Witness as to Principal

(Address)

ATTEST:

Surety

(Surety) Secretary

(SEAL)

By: _____
Attorney-in-Fact

Witness as to Surety

(Address)

NOTE: Date of the Bond must not be prior to date of Contract. If Contractor is Partnership, all partners should execute the bond.

IMPORTANT: Surety companies executing bonds must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the State of Tennessee where the project is located.

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS: that

(Name of Contractor)

(Address of Contractor)

a _____, hereinafter called
(Corporation, Partnership, or Individual)

PRINCIPAL, and _____
(Name of Surety)

(Address of Surety)

hereinafter called SURETY, are held and firmly bound unto

The County of Robertson (Springfield, TN)

523 Brown Street, Springfield, Tennessee 37172

hereinafter called OWNER, in the penal sum of _____
_____ Dollars,

\$ (_____) in lawful money of the United States, for the payment of
which sum well and truly to be made, we bind ourselves, successors, and assigns, jointly
and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the PRINCIPAL entered
into a certain contract with the OWNER, dated the _____ day of ____
_____, 20____, a copy of which is hereto attached and made a part hereof for the
construction of: TRUCK SCALE SYSTEM PROJECT (Scale House Only).

NOW, THEREFORE, if the PRINCIPAL shall well, truly and faithfully perform its duties, all the undertaking, covenants, terms, conditions, and agreements of said contract during the original term thereof, and extensions thereof which may be granted by the OWNER, with or without notice to the SURETY and during the one year guaranty period, and if he shall satisfy all claims and demands incurred under such contract, and shall fully indemnify and save harmless the OWNER from all costs and damages which it may suffer by reason of failure to do so, and shall reimburse and repay the OWNER all outlay and expense which the OWNER may incur in making good any default, then this obligation shall be void; otherwise to remain in full force and effect.

PROVIDED, FURTHER, that the said SURETY, for value received hereby stipulates and agrees that no change, extension of time, alternation or addition of the terms of the contract or to work to be performed thereunder or the specifications accompanying the same shall in any wise affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the work or to the specifications.

PROVIDED, FURTHER, that no final settlement between the OWNER and the PRINCIPAL shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in two (2) counterparts, each one of which shall be deemed an original, this ____ day of _____, 20 ____.

ATTEST:

Principal

(Principal) Secretary

(SEAL)

By: _____ (s)

(Address)

Witness as to Principal

(Address)

(Address)

ATTEST:

Surety

(Surety) Secretary

(SEAL)

_____	By: _____
Witness to Surety	Attorney-in-Fact
_____	_____
(Address)	(Address)
_____	_____

NOTE: Date of bond must not be prior to date of Contract. If Contractor is Partnership, all partners should execute bond.

IMPORTANT: Surety companies executing bonds must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the State of Tennessee where the project is located.

NOTICE OF AWARD

To: _____

PROJECT Description:

TRUCK SCALE SYSTEM PROJECT (Scale House Only), The OWNER has considered the BID submitted by you for the above described WORK in response to its Advertisement for Bids dated _____, 20____, and Information for Bidders. You are hereby notified that your BID has been accepted for the work in the amount of

\$ _____.

You are required by the Information for Bidders to execute the Agreement and furnish the required Contractor's Performance Bond and Payment Bond within ten (10) calendar days from the date of this Notice to you.

If you fail to execute said Agreement and to furnish said bonds within ten (10) days from the date of this Notice, said OWNER will be entitled to consider all your rights arising out

of the OWNER'S acceptance of your BID as abandoned and as a forfeiture of your Bid Bond. The OWNER will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the OWNER.

Dated this _____ day of _____, 20 _____

TRUCK SCALE SYSTEM PROJECT (Scale House Only)

Owner

By: _____

Title: _____

ACCEPTANCE OF NOTICE

Receipt of the NOTICE OF AWARD is hereby acknowledged by _____

_____, this the _____ day of _____, 20_____

TRUCK SCALE SYSTEM PROJECT (Scale House Only)

By: _____

Title: _____

Contractor should send one completed copy of this form to:

Ms. Taylor Tomblin
Purchasing Officer
Robertson County
523 South Brown Street
Springfield, TN 37172

NOTICE TO PROCEED

To: _____

Date: _____

Project: TRUCK SCALE SYSTEM PROJECT

(Scale House Only)

You are hereby notified to commence work in accordance with the Agreement dated

_____, 20____, on or before _____,

and you are to complete all WORK within 60 consecutive calendar days thereafter.

The County of Robertson (Springfield, TN)

Owner

By: _____

Title: _____

ACCEPTANCE OF NOTICE

Receipt of the NOTICE TO PROCEED is hereby acknowledged by _____

_____, this the _____ day of _____ 20____.

TRUCK SCALE SYSTEM PROJECT (Scale House Only)

By: _____

Title: _____

Contractor should send one completed copy of this form to:

Ms. Taylor Tomblin
Purchasing Officer
Robertson County
523 South Brown Street
Springfield, TN 37172

CHANGE ORDER

Order No. _____

Date: _____

Agreement Date: _____

NAME OF PROJECT: TRUCK SCALE SYSTEM PROJECT (Scale House Only)

OWNER: The County of Robertson (Springfield, TN)

CONTRACTOR: _____

The following changes are hereby made to the CONTRACT DOCUMENTS:

Justification:

Change to CONTRACT PRICE: \$ _____

Original CONTRACT PRICE: \$ _____

Current CONTRACT PRICE adjusted by previous CHANGE ORDER: \$ _____

The CONTRACT PRICE due to this CHANGE ORDER will be (increased) by: \$ _____

The CONTRACT PRICE including this CHANGE ORDER will be: \$ _____

Change to CONTRACT TIME:

The CONTRACT TIME will be (increased) (decreased) by _____ calendar days.

The date for completion of all work will be _____ (Date). Sketch should accompany Change Order when necessary for clarification.

Approvals Required:

To be effective this Order must be approved by the owner if it changes the scope or objective of the project, or if it will increase the budgeted amounts of funds needed to complete the project, or as may otherwise be required by the SUPPLEMENTAL GENERAL CONDITIONS.

Requested by: County of Robertson (Springfield, TN)

Recommended by: CSR Engineering, Inc.

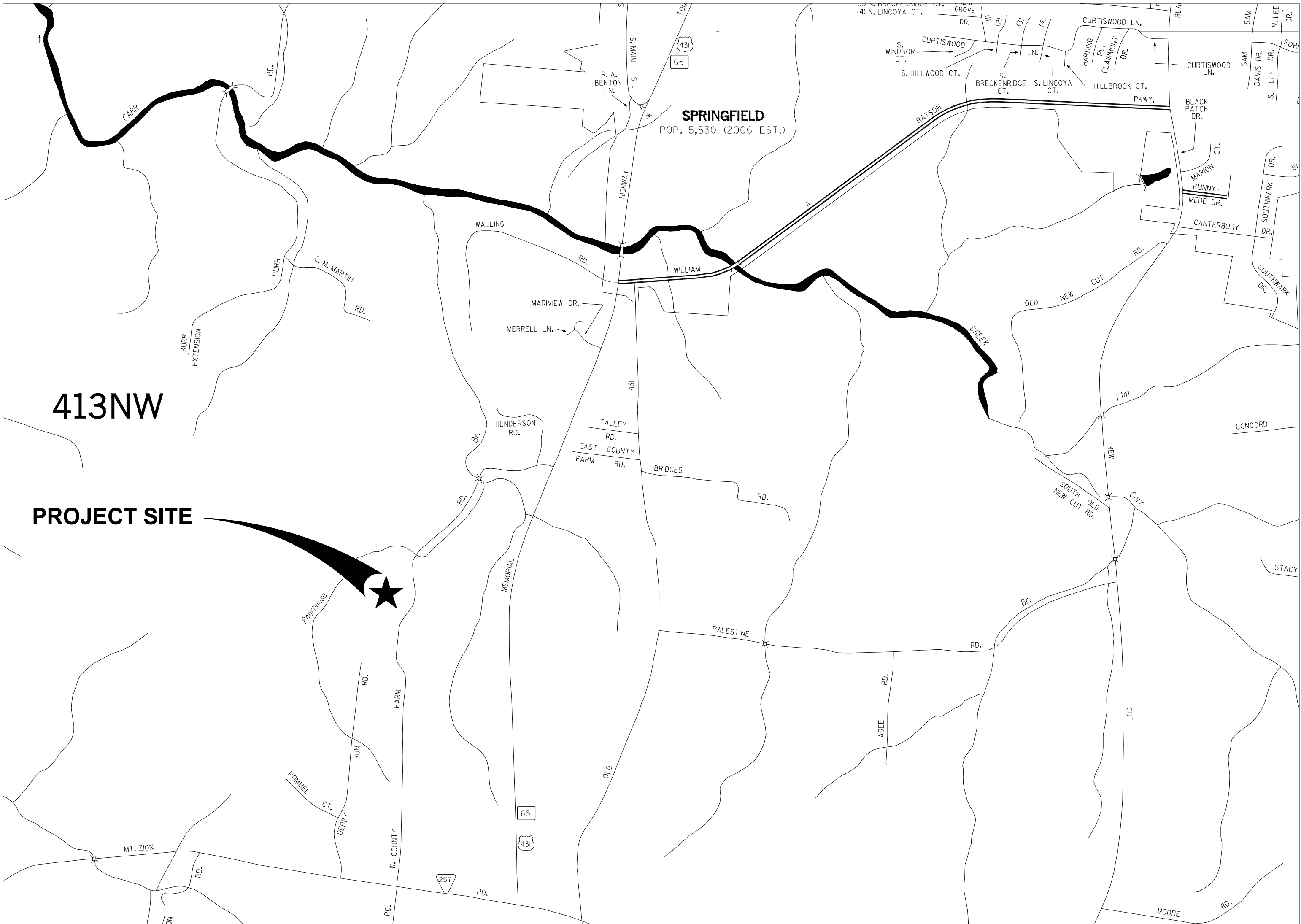
Ordered by: County of Robertson (Springfield, TN)

Accepted by: (Contractor)

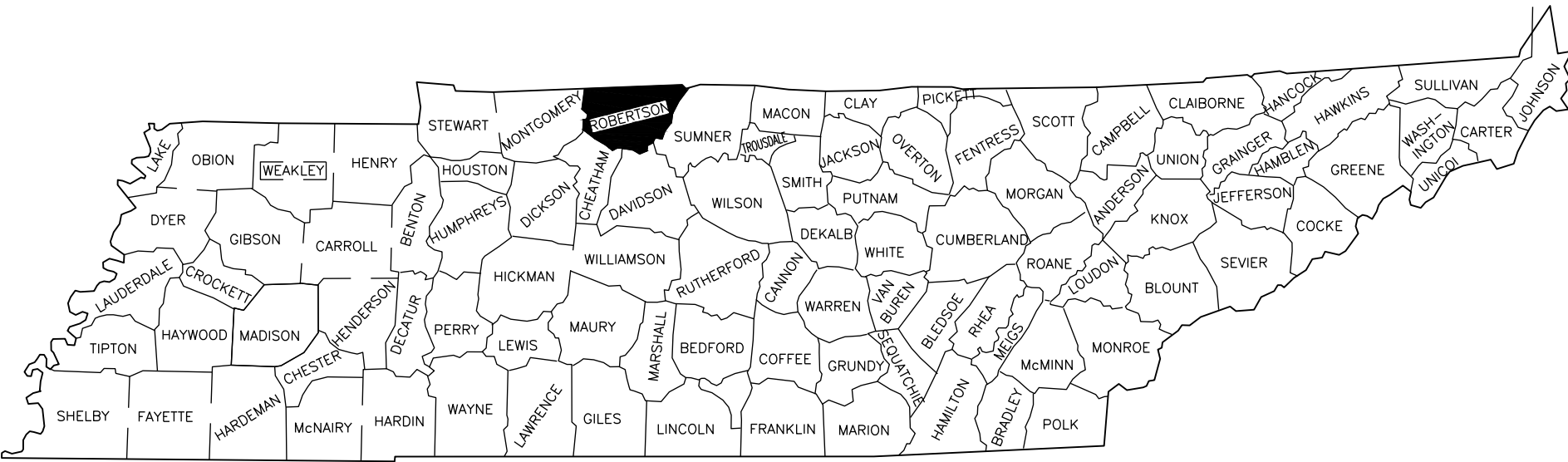
Federal Agency Approval (where applicable): _____

TRUCK SCALE SYSTEM UPGRADE FOR THE TRANSFER FACILITY AT ROBERTSON COUNTY SOLID WASTE & RECYCLING ROBERTSON COUNTY APRIL 2019

UTILITY OWNERS
NATURAL GAS UTILITY SERVICE
SPRINGFIELD GAS DEPARTMENT 1311 R. W. GORDON DRIVE, SPRINGFIELD TN (615) 382-2200
WATER SERVICE
SPRINGFIELD WATER DEPARTMENT 824 CENTRAL AVE, SPRINGFIELD, TN (615) 382-1600
SANITARY SEWER SERVICE
SPRINGFIELD WASTEWATER DEPT 824 CENTRAL AVE, SPRINGFIELD, TN (615) 382-1600
ELECTRIC SERVICE
CUMBERLAND ELECTRIC MEMBERSHIP CORPORATION 1201 5TH AVE NORTH, SPRINGFIELD, TN (615) 384-5566



LOCATION MAP



INDEX OF DRAWINGS

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C-2	PROPOSED SITE PLAN
C-3	GRADING PLAN
C-4	UTILITY PLAN
C-4	SITE DETAILS
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S-2	TRUCK SCALE FOUNDATION DETAILS
S-3	TRUCK SCALE APPROACH RAMP DETAILS
A-1	SCALE HOUSE PLAN AND ELEVATIONS
A-2	SCALE HOUSE - STRUCTURAL

CSR Engineering, Inc.
1116 Main Street
Pleasant View, TN 37146
P: 615.212.2389
F: 615.246.3815
www.csrengineers.com

ROBERTSON COUNTY, TENNESSEE
1798

TITLE SHEET
TRUCK SCALE SYSTEM UPGRADE
FOR THE
TRANSFER FACILITY
AT THE
ROBERTSON COUNTY SOLID WASTE & RECYCLING
WEST COUNTY FARM RD.
SPRINGFIELD, TN 37172
ROBERTSON COUNTY

JASON LEE REYNOLDS
REGISTERED ENGINEER
AGRICULTURE
No. 100721
STATE OF TENNESSEE

NO.	DATE	BY	DESCRIPTION

DESIGNER DRO

REVIEWER JLR

PROJECT 18-142

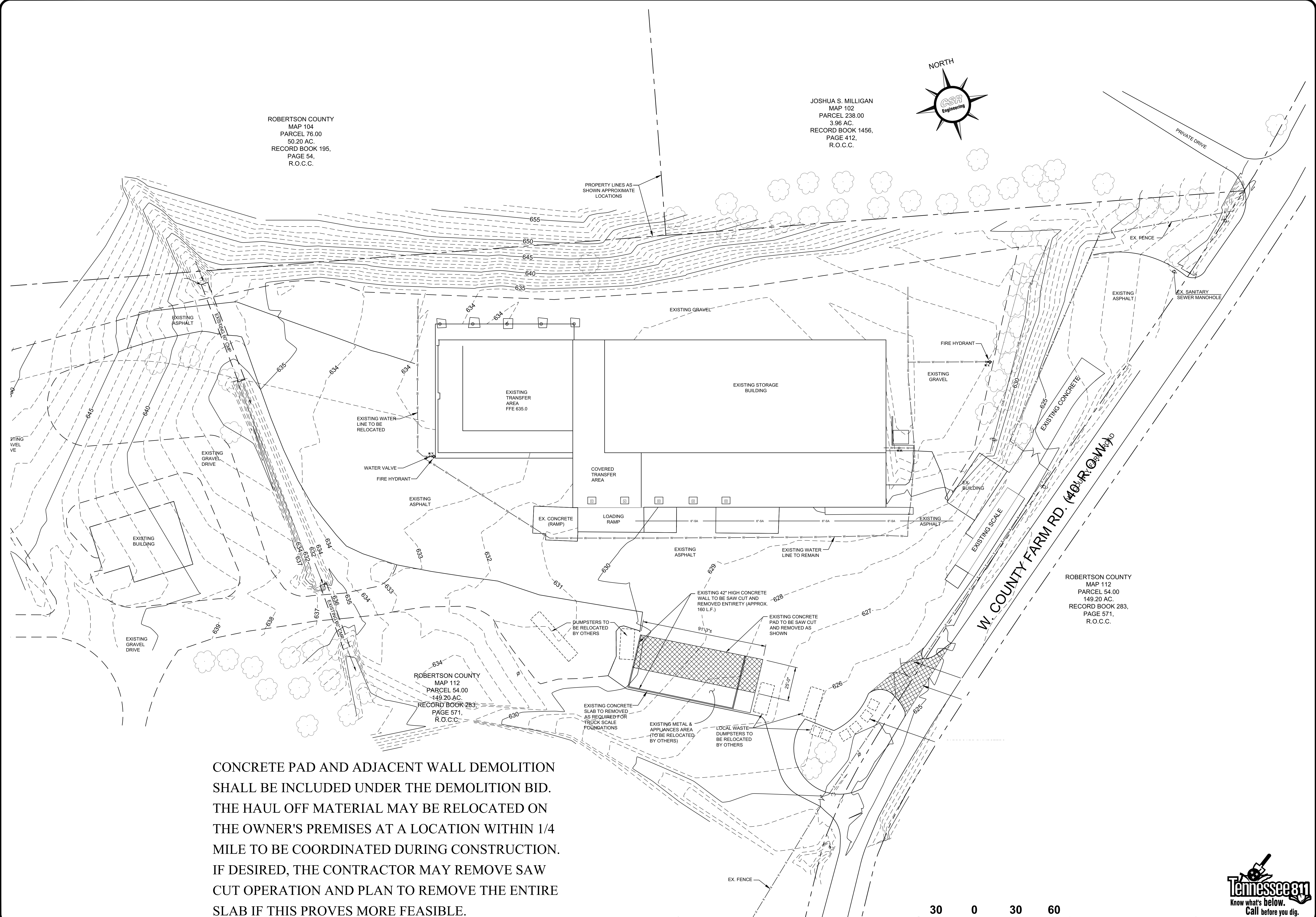
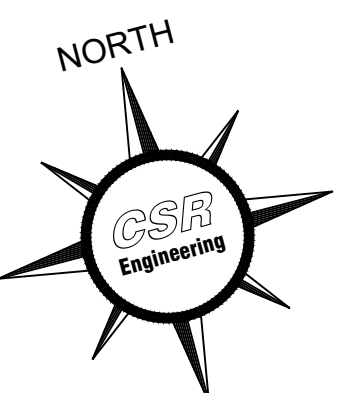
DATE 4-17-19

SHEET G-1



ROBERTSON COUNTY
MAP 104
PARCEL 76.00
50.20 AC.
RECORD BOOK 195,
PAGE 54,
R.O.C.C.

JOSHUA S. MILLIGAN
MAP 102
PARCEL 238.00
3.96 AC.
RECORD BOOK 1456,
PAGE 412,
R.O.C.C.



CONCRETE PAD AND ADJACENT WALL DEMOLITION SHALL BE INCLUDED UNDER THE DEMOLITION BID. THE HAUL OFF MATERIAL MAY BE RELOCATED ON THE OWNER'S PREMISES AT A LOCATION WITHIN 1/4 MILE TO BE COORDINATED DURING CONSTRUCTION. IF DESIRED, THE CONTRACTOR MAY REMOVE SAW CUT OPERATION AND PLAN TO REMOVE THE ENTIRE SLAB IF THIS PROVES MORE FEASIBLE.

PURPOSE FOR ISSUE:

BIDDING



SCALE: 1"=30'



CSR Engineering, Inc.
1116 Main Street
Pleasant View, TN 37146
P: 615.212.2389
F: 615.246.3815
www.csrengineers.com

ROBERTSON COUNTY, TENNESSEE
AGRICULTURE
INDUSTRY
1796

EXISTING SITE AND DEMOLITION PLAN
TRUCK SCALE SYSTEM UPGRADE
FOR THE
TRANSFER FACILITY
ROBERTSON COUNTY SOLID WASTE & RECYCLING
WEST COUNTY FARM RD.
SPRINGFIELD, TN 37172
ROBERTSON COUNTY

JASON LEE REYNOLDS
REGISTERED ENGINEER
AGRICULTURE
No. 10072
STATE OF TENNESSEE

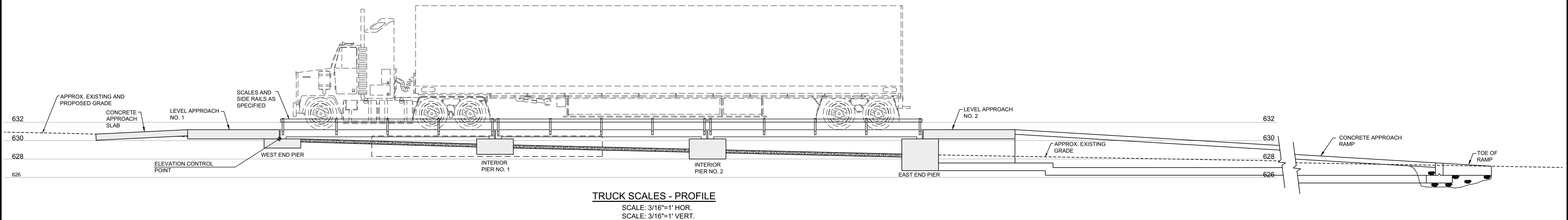
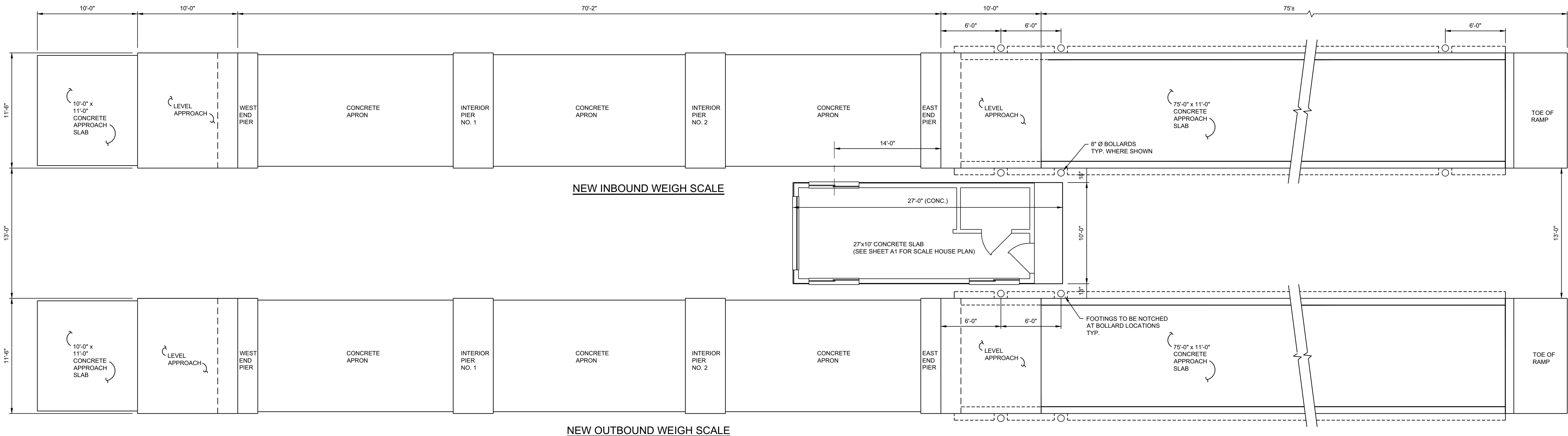
REVISIONS	
NO.	DESCRIPTION

DESIGNER DKH
REVIEWER JLR

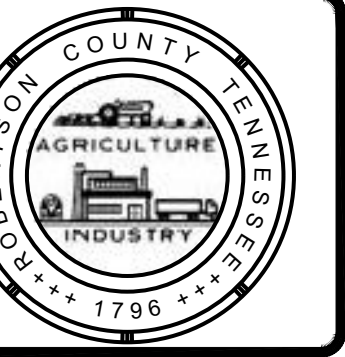
PROJECT 18-142

DATE 4-17-19

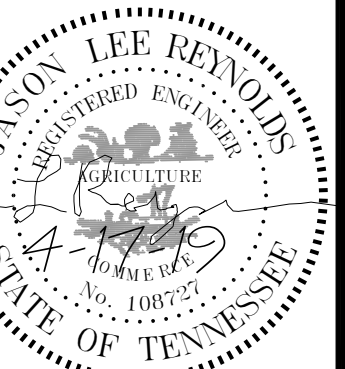
SHEET C-1



THIS SHEET PROVIDED FOR GENERAL LOCATION ONLY. CONSTRUCTION STAKING LINES AND GRADES FOR SCALE HOUSE (W/ FLOOR ELEVATION) SHALL BE PROVIDED BY THE COUNTY AND COORDINATED WITH THE SCALES CONTRACTOR DURING CONSTRUCTION. HOUSE CONTRACTOR SHALL ALSO BE REQUIRED TO COORDINATE WITH SEPARATE SCALES CONTRACTOR THROUGHOUT THE PROJECT.



TRUCK SCALE PLAN AND PROFILE
TRUCK SCALE SYSTEM UPGRADE
TRANSFER FACILITY
ROBERTSON COUNTY SOLID WASTE & RECYCLING
WEST COUNTY PARK RD.
SPRINGFIELD, TN 37172
ROBERTSON COUNTY



REVISIONS		DESCRIPTION
NO.	DATE	BY

DESIGNER **DKH**
REVIEWER **JLR**

PROJECT **18-142**

DATE **4-17-19**

SHEET **S-1**



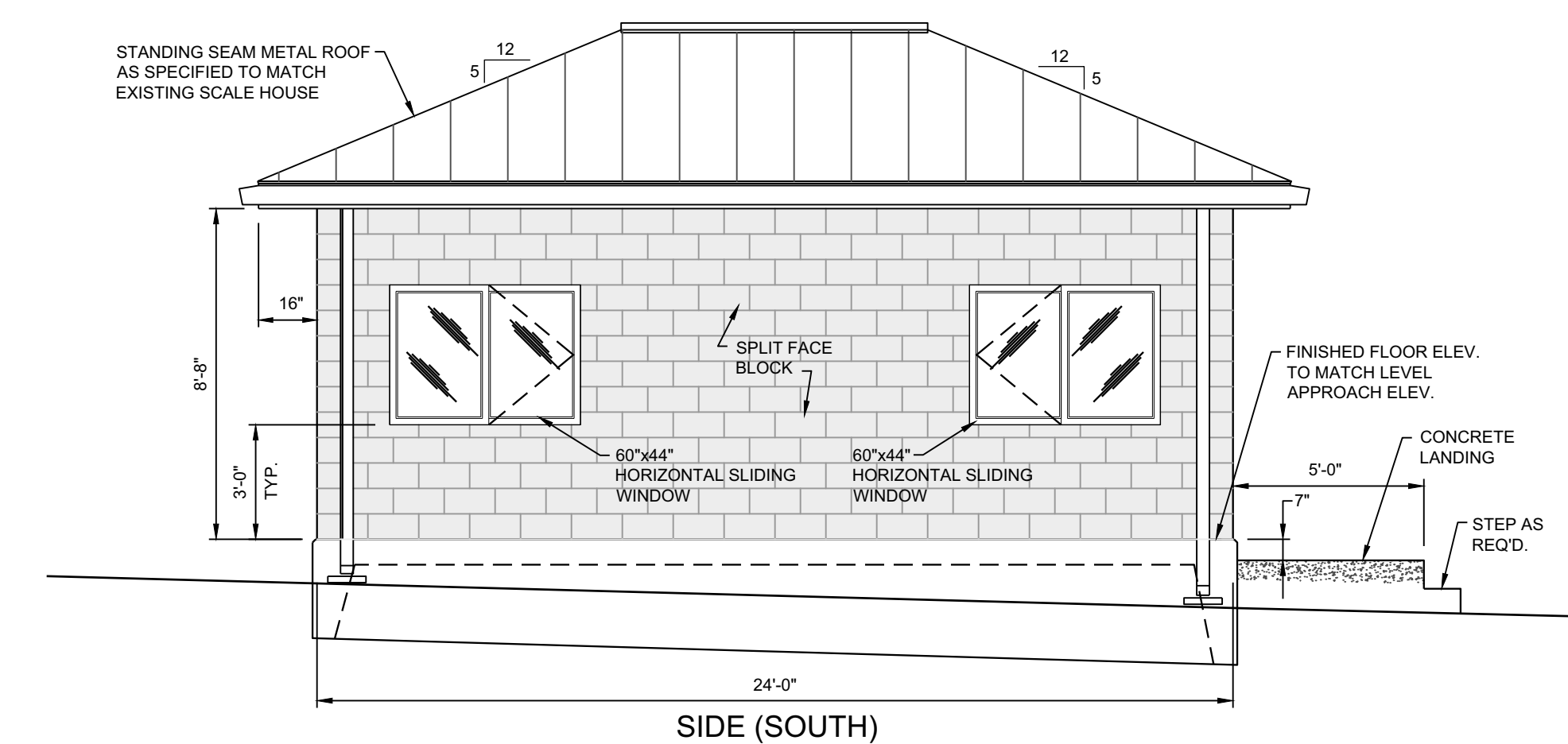
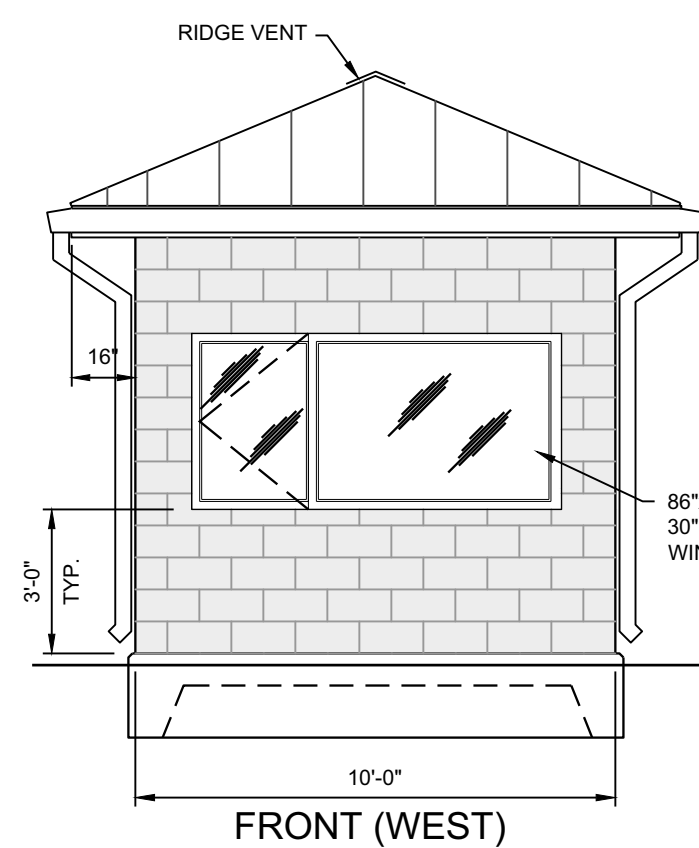
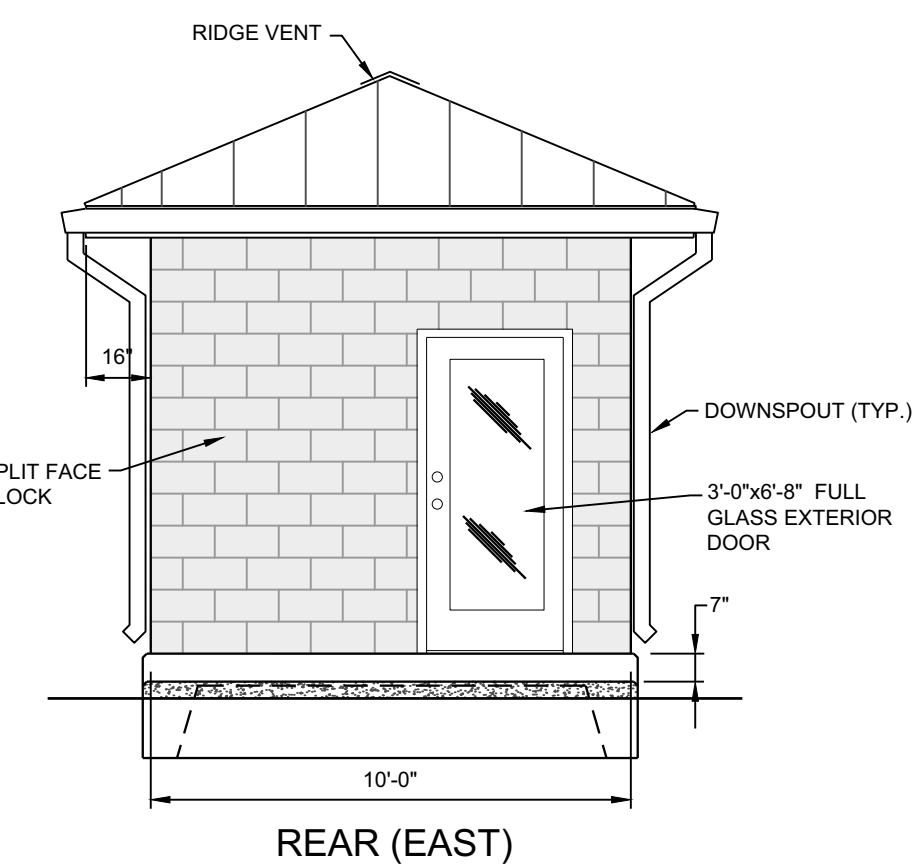
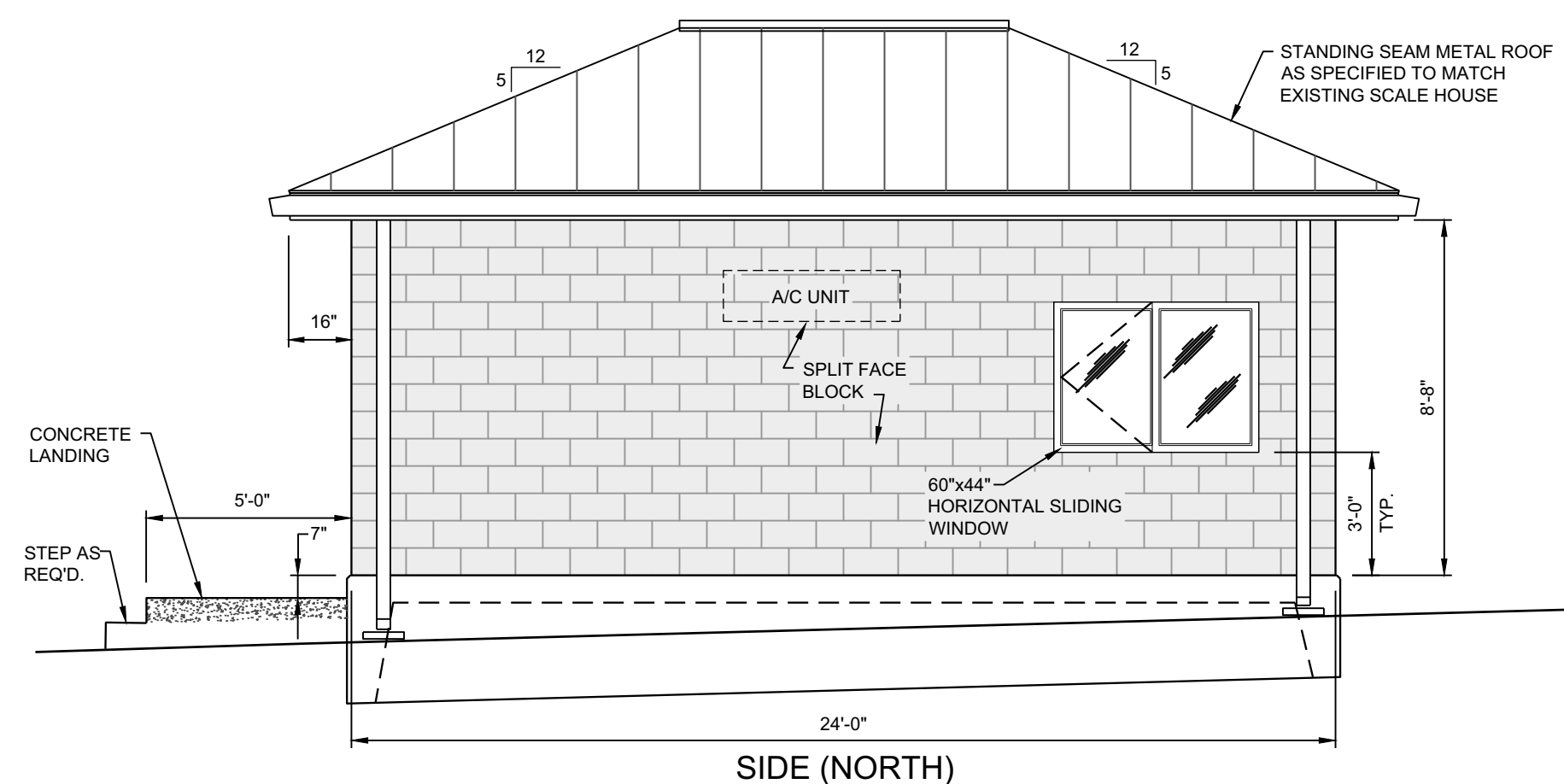
1. EACH TRADE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO COMMENCING WORK. THE OWNER SHALL BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO THE WORK PROCEEDING.
2. DO NOT SCALE THE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, OBTAIN CLARIFICATION FROM THE DESIGNER PRIOR TO RESUMING OR STARTING WORK.
3. ALL WORK PERFORMED ON THIS STRUCTURE SHALL MEET TENNESSEE STATE BUILDING CODES, THE NATIONAL ELECTRIC CODE, AND ORDINANCES OF THE LOCAL JURISDICTION.
4. THERE SHALL BE NO BUILDING MATERIALS CONTAINING ASBESTOS OR OTHER HAZARDOUS MATERIALS INSTALLED AT THIS SITE.
5. ALL MATERIAL AND EQUIPMENT SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.
6. THE DESIGN, ADEQUACY AND THE SAFETY OF ALL SHORING, TEMPORARY SUPPORTS, ERECTION BRACING, ETC.. IS THE RESPONSIBILITY OF THE CONTRACTOR.
7. THE MECHANICAL, ELECTRICAL, FRAMING, AND CONCRETE CONTRACTORS SHALL COORDINATE THE LOCATION ALL APPURTENANCES
8. ALL GRADES SHALL BE SLOPED AWAY FROM THE BUILDING AT LEAST 1/8" PER FOOT.

1. ELECTRICAL TO MEET LOCAL CODE REQUIREMENTS
2. ALL FIXTURES TO BE U.L. LISTED
3. ELECTRIC METER SOCKET AND MAIN BREAKER SHALL BE LOCATED IN THE FIELD.
4. HVAC CONTRACTOR TO LOCATE AND PROVIDE REQUIRED ELECTRICAL SERVICE.
5. SMOKE DETECTORS TO BE LOCATED TO MEET LOCAL CODE REQUIREMENTS

1. DEAD LOADS ARE:

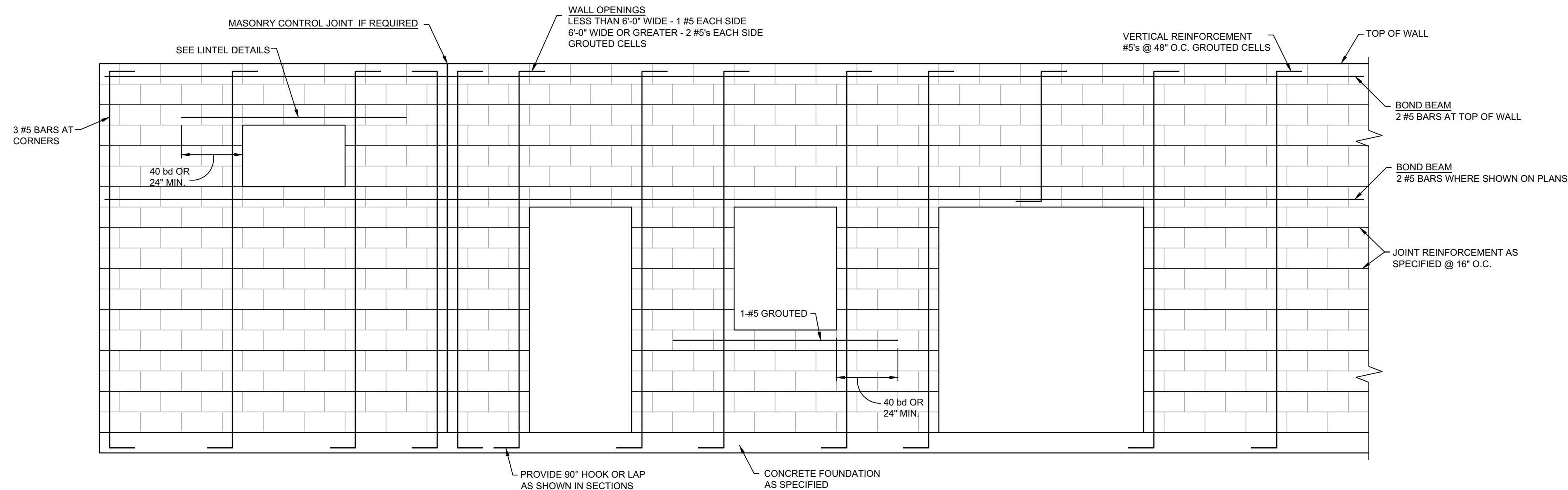
	LL (PSF)	DL (PSF)
FLOOR	40	20
ROOF	20	15
2. SOIL BEARING CAPACITY: 2500 PSF ASSUMED. VERIFY W/ ENGINEER IF CONDITIONS VARY
3. BUILDING CODE: IBC 2012
4. TIMBER SHALL BE #2 SYP OR BETTER UNLESS NOTED OTHERWISE
5. CONCRETE SHALL BE 3,000 PSI AT 28 DAYS.
6. INSULATION:

CEILING:	R-30
2x4 WALLS:	R-13

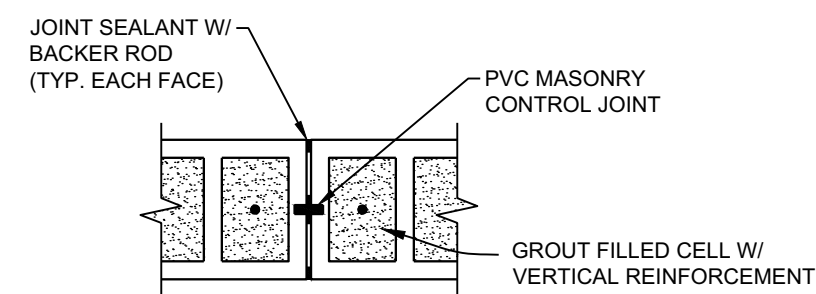


SCALE HOUSE PLAN ELEVATIONS



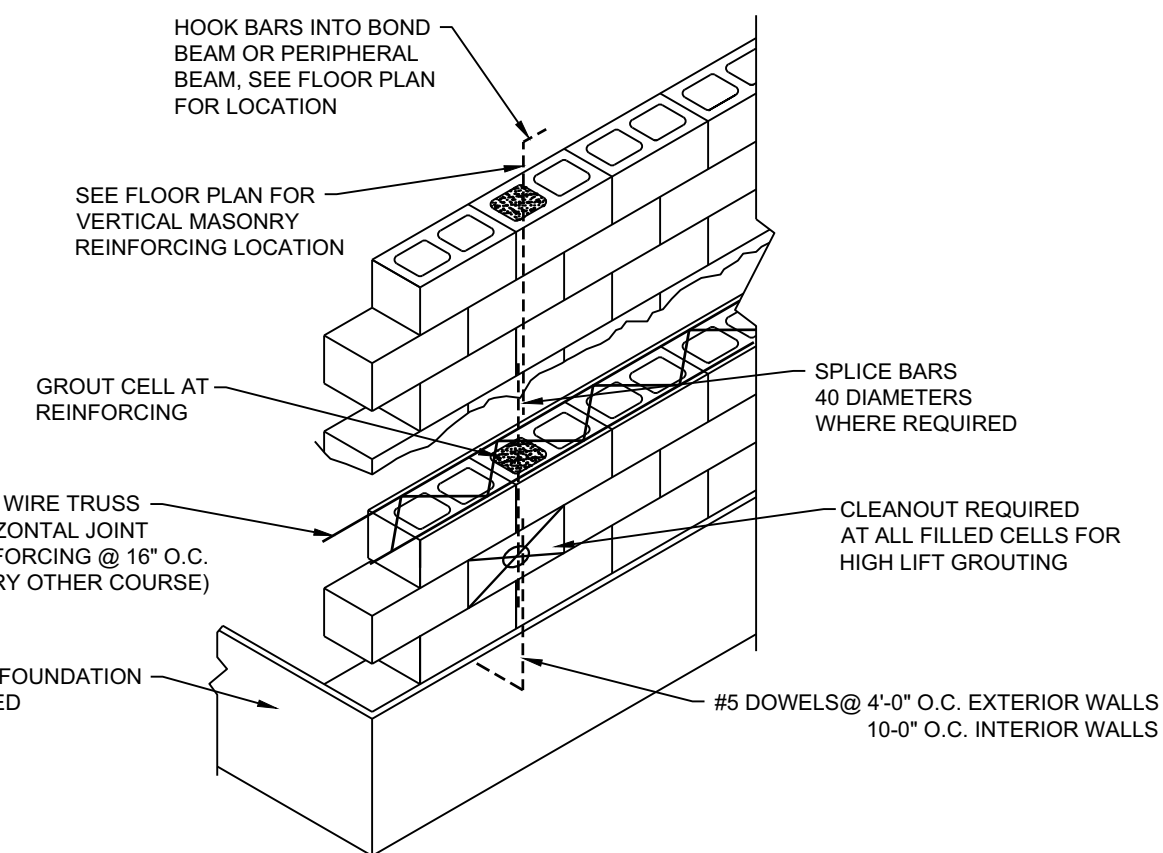


EXTERIOR BLOCK WALL REINFORCING STEEL



NOTE: BOND BEAM REINFORCEMENT SHALL BE CONTINUOUS ACROSS JOINT. DISCONTINUE OTHER HORIZONTAL REINFORCEMENT AT JOINT.

MASONRY CONTROL JOINT
SCALE: 3/4" = 1'-0"



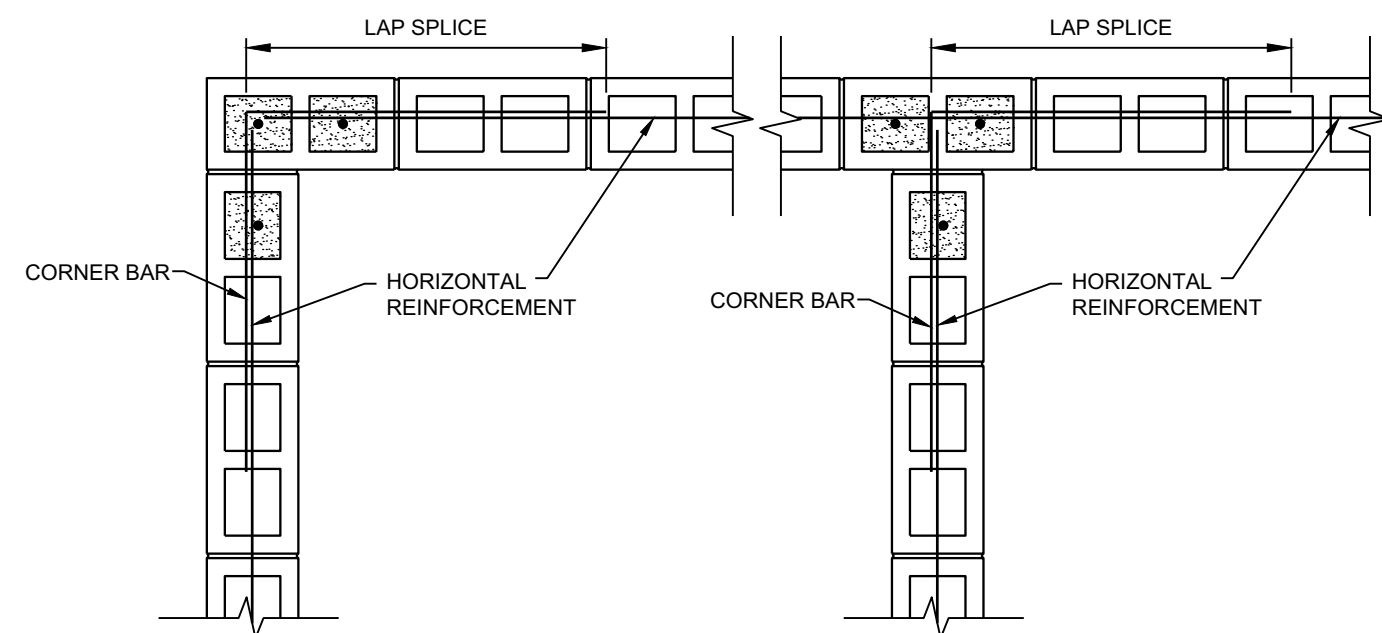
LOW LIFT GROUTING PROCEDURE

1. CONSTRUCT WALL TO HEIGHT OF 4'-0" ALLOW MORTAR TO SET SUFFICIENTLY TO WITHSTAND GROUT PRESSURE.
2. INSPECT UNITS FOR ALIGNMENT. CLEAN OUT CELLS TO BE FILLED.
3. FILL CELLS TO 1/2" BELOW TOP COURSE.
4. DELAY 3 TO 5 MINUTES PRIOR TO CONSOLIDATING TO ALLOW WATER TO BE ABSORBED BY MASONRY.

HIGH LIFT GROUTING PROCEDURE

1. CONSTRUCT WALL TO FULL HEIGHT (24 FEET MAXIMUM). ALLOW MASONRY TO CURE AT LEAST 3 DAYS.
2. CLEAN CELLS, WHICH ARE TO BE GROUTED, THROUGH CLEAN-OUT PORTS.
3. PLACE GROUT IN 4 FOOT LIFTS AND CONSOLIDATE AFTER EXCESS MOISTURE HAS BEEN ABSORBED BY MASONRY.
4. PLACE THE NEXT LIFT AS SOON AS POSSIBLE BUT NO LONGER THAN ONE HOUR LATER.

TYPICAL REINFORCED MASONRY DETAIL



NOTES

1. ALL VERTICAL BARS SHALL HAVE HOOKED ENDS AT TOP BOND BEAM.
2. ALL HORIZONTAL BARS SHALL HAVE HOOKED ENDS AT VERTICAL BARS.
3. ALL LAP SPLICE LENGTHS SHALL CONFORM TO THE TABLE ON THIS SHEET.

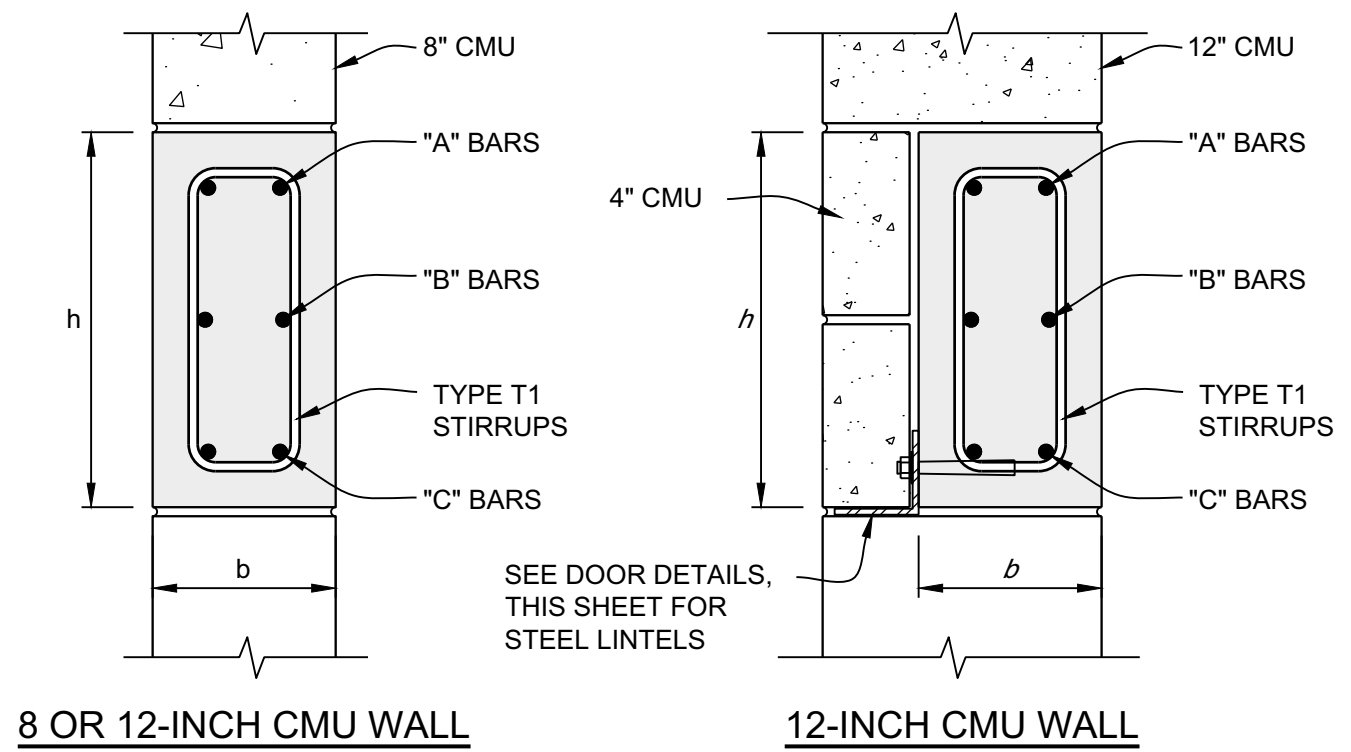
MASONRY REINFORCING AT CORNERS AND INTERSECTIONS
SCALE: 3/4" = 1'-0"

ESTIMATED QUANTITIES		
	CONCRETE C.Y.	REINFORCING POUNDS
BUILDING SLAB	19	
LANDING	0.75	

CRUSHED STONE = APPROX. 9 TONS

GROUTING PROCEDURE

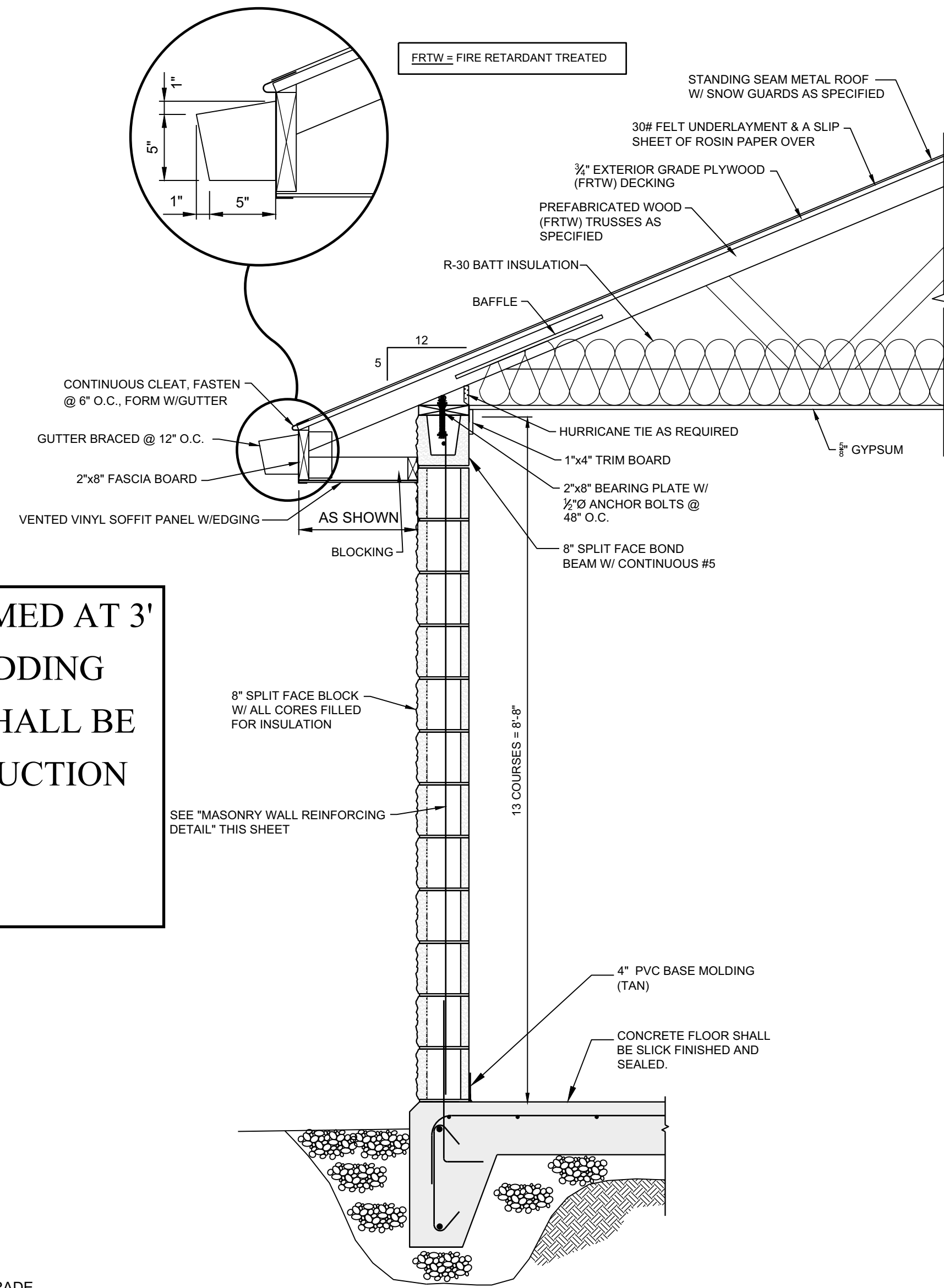
1. CONSTRUCT WALL TO HEIGHT OF 48". ALLOW MORTAR TO SET SUFFICIENTLY TO WITHSTAND GROUT PRESSURE.
2. INSPECT UNITS FOR ALIGNMENT. CLEAN OUT CELLS TO BE FILLED.
3. FILL CELLS TO 1-1/2" BELOW TOP COURSE.
4. DELAY 3 TO 5 MINUTES PRIOR TO CONSOLIDATING TO ALLOW WATER TO BE ABSORBED BY MASONRY.



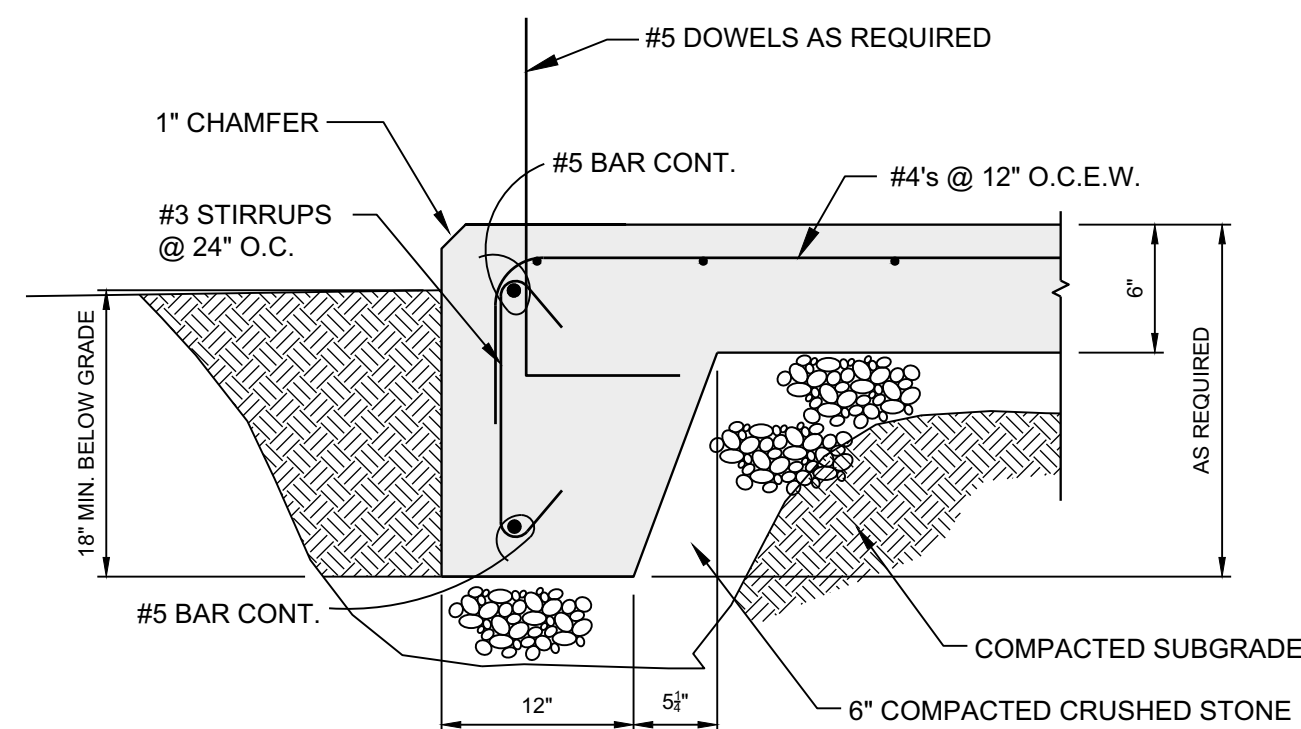
CONCRETE LINTEL SCHEDULE						
OPENING WIDTH	DIMENSIONS		REINFORCING			
	h	b	A BARS*	B BARS*	C BARS*	STIRRUPS
LESS THAN 3'-10"	7-5/8"	7-5/8" OR 12-5/8"	2-#5's	-	2-#5's	#3's @ 2 1/2" O.C.
4'-0" THRU 7'-0"	15-5/8"	7-5/8" OR 12-5/8"	2-#5's	-	2-#5's	#3's @ 6" O.C.
7'-2" THRU 10'-0"	15-5/8"	7-5/8" OR 12-5/8"	2-#7's	-	2-#7's	#3's @ 6" O.C.
10'-2" THRU 14'-0"	23-5/8"	7-5/8" OR 12-5/8"	2-#7's	2-#5's	2-#7's	#3's @ 6" O.C.

* BARS SHALL HAVE 180° HOOKED ENDS AND SHALL EXTEND NOT LESS THAN 24-INCHES NOR LESS THAN 40 BAR DIAMETERS PAST EACH SIDE OF OPENING.

CONCRETE LINTEL DETAILS
NO SCALE



TYPICAL BUILDING WALL SECTION
SCALE: 3/4" = 1'-0"



TYPICAL TURNDOWN FOOTING
SCALE: 1"=1'-0"

REVISIONS		DESCRIPTION
NO.	DATE	BY

DESIGNER DKH
REVIEWER JLR

PROJECT 18-142

DATE 4-17-19

SHEET A-2