

20170516-BOE
HHS PRESS BOX RENOVATION

Sumner County Board of Education, 1500 Airport Road, Gallatin, TN 37066 for Responses to an Invitation to Bid will be received by the Purchasing Department, 20170516-BOE for renovations to the football press box at Hendersonville High School until May 16, 2017 10:00 a.m. local time. Sealed bid responses will be opened at that time, taken under advisement and evaluated. Any specific questions should be directed to Joe Bibeau at 615-829-2410 (joe@eagle-ent.net) or Don Long at (615) 815-8347 (don.long@sumnerschools.org) Proposals are subject to the Board of Education's conditions and specifications, which are available from Janice Wright, Purchasing Coordinator (615) 451-5255. All bids can be viewed on line at www.sumnerschools.org; Invitation for Bids under Helpful Links at the bottom of the Home Page.

BID FORM
for
Hendersonville High School Stadium
Announcer & Press Box Renovation
123 Cherokee Road
Hendersonville, Tennessee, 37075-3701

Owner's Representative:
Sumner County Board of Education, Don Long, Sr. Project Manager
615-815-8347

Project Manager:
Eagle Enterprises of TN LLC, Joseph C, Bibeau, Owner
615-829-2410

Contractor Name: _____
Address: _____
Telephone: _____
E-mail Address: _____
Contractor License Number: _____
Workman's Compensation Policy #: _____
Builder's Risk Insurance Policy #: _____

NOTE: Copies of current insurance policies must be provided prior to starting work.

IMPORTANT NOTE: In order to assure all bids are equitably compared, the Contractor must submit his proposal on this form.

LUMP SUM BID shall include all material, labor, overhead, profit, permits, insurance, cleanup costs, etc. necessary to complete the job as specified herein & as shown on the attached drawings. The LUMP SUM BID shall not include cost for items identified as WORK BY OTHERS.

LUMP SUM BID: Phase 1 \$ _____ .00

DRAWINGS INCLUDED:

PHASE 1: (Marked Up as Phase 1)
Elrod Engineering #500.00386 - Sheet S1
Elrod Engineering #500.00386 - Sheet S2

Specification for Announcer & Press Box Renovation

GENERAL – All work must comply with all local, state, & national codes at no additional cost to the Owner. Installation of material shall be installed to the material manufacturer's recommendations &/or specifications unless written deviation is obtained from the Project Manager. All work shall be completed in a professional and workmanlike manner.

All trade specific permits will be applied for and paid for by the Contractor. The Contractor will provide & pay for the Building Permit.

SPECIAL CONDITIONS:

1) The Owner shall have the right to inspect all concealed work before it is covered (i.e., rebar, forming, insulation, foundation sealing, rough plumbing and wiring, etc.). If the Owner, or Project Manager, does not respond within 48 hours of written notification, the Contractor may proceed.

2) The Contractor shall specify all critical materials selection decision dates, if any, within 1 week after award of the contract. The completion date should not exceed August 1, 2017.

3) Payments will be made on a progressive monthly basis. Monthly invoices should include a breakdown of the invoice in % complete by subcontract & by major self-performed activity. Payments will not be made until all Lien Releases are received from subcontractors for payments previously paid. All pay applications shall be submitted to the Project Manager for review and certification. The Project Manager shall then submit to the Owner for payment processing. The Final Payment will not be released until the Owner receives lien releases for all work and all materials supplied by significant contractors & suppliers and a Notice of Completion has been filed with the local governing authority.

4) All materials and debris generated by this Contractor's construction activity shall be removed from the site by this Contractor

WORK BY OTHERS: Structural steel footings

WORK INCLUDED - PHASE 1:

Fabricate and install structural steel columns and main support beam as shown on Elrod Engineering Job #500.00386, sheet S1 & S2 as marked up for Phase 1. Provide non-shrink base plate grout as shown on drawings. Cut & temporarily roll back drip protection membrane at ceiling to install beam. Re-attach membrane to beam upon completion to maintain drip protection.

NOTICE TO RESPONDENTS

Responses to an Invitation to Bid will be received by the Purchasing Coordinator in the SUPPORT SERVICE FACILITY CONFERENCE ROOM, Sumner County Board of Education, 1500 Airport Road Gallatin, TN 37066. They will be received until **2:00 P.M. Local Time Tuesday MAY 16, 2017** for **20170516-BOE Press Box** at which time the sealed bid responses will be opened, taken under advisement and evaluated. **BIDS WILL BE POSTED ON www.sumnerschools.org**

GENERAL REQUIREMENTS AND CONDITIONS

1. The Sumner County Board of Education reserves the right to accept or reject any and/or all responses in whole or in part, and to waive informalities therein.
2. Any responses received after the scheduled closing time for the receipt for responses will not be considered.
3. If a mistake is discovered after the responses are received, only the Sumner County Board of Education may allow the respondent to withdraw the entire response.
4. The Owner or Owner's designee shall approve partial payments, submitted as monthly payment applications, provided work completed is satisfactory. Terms will be net 30 days.
5. Payment will not be made until the said **Press Box Phase 1** has been inspected and approved as meeting all specifications by persons appointed by the Sumner County Board of Education for Partial and Final Payments.
6. Responses submitted must be in a sealed envelope and marked on the outside as follows:

RESPONSE: HHS Press Box Phase One

DEADLINE: May 16, 2017 2:00 P.M. LOCAL TIME

7. Facsimile responses will not be considered.
8. If a successful bidder violates any terms of their bid, the contract, school board policy or any law they may be disqualified from bidding for a period of two years for minor violations or longer for major violations. Bids from disqualified bidders will not be accepted during the period of disqualification.
9. Prices quoted on the response (if any) are to be considered firm and binding for sixty (60) days.
10. No purchase or contract is authorized or valid until the issuance of a Board Purchase Order in accordance with Board Policy. No Board Employee is authorized to purchase equipment, supplies or services prior to the issuance of such a Purchase Order.
11. Any deviation from these stated terms, specifications and conditions must be coordinated with and approved in writing by the Purchasing Coordinator, Janice Wright (615) 451-5255.
12. **All bids that exceed \$25,000 must have the Company Name, License Number, Expiration Date thereof and License Classification of Contractor listed on outside of sealed envelope** as required by State of Tennessee Code Annotated 62-6-119.
13. The awarded bidder will be required to post a performance and payment bond in the amount of 25% of the contract price **if it exceeds \$100,000** as stated by State of Tennessee Code Annotated 12-4-201.
14. If the project cost in excess of \$25,000 a performance bond must be secured by the requesting party in an amount equal to the market improvement value.

Sumner County Schools Press Box Renovation

GENERAL SCOPE OF WORK

A. Provide all equipment and materials, and do all work necessary structural improvements for future renovations the Football Press Box. The existing Press Box is located atop the home side bleachers of the football field for Hendersonville High School, 123 Cherokee Road, Hendersonville TN 37075.

B. This project is being primarily funded through revenue provided by the Commando Football Parent Booster Club. This project is divided into two phases:

- Phase One is to provide the structural basis for the press box
- Phase Two is reserved for a future separate project for the construction of the press box.

1.1 SUBMITTALS

A. Signed Bid Form

B. References

Bidder shall submit references of no less than three previous clients, including full contact information, which shall be included with the bid.

1.2 QUALITY ASSURANCE

A. A one-year warranty backed by the selected bidder for materials and workmanship will be required. The warranty date shall begin upon a Notice of Substantial Completion being provided from the Owner to the selected Bidder.

B. All local codes will govern.

1.3 PRE-BID MEETING

A. A non-mandatory pre-bid meeting will be held on Thursday, March 30, 2017 at 2:00 P.M. local time at the football stadium of Hendersonville High School located at 123 Cherokee Road, Hendersonville TN 37075.

1.4 PROJECT SCHEDULE

A. If an acceptable bid(s) is received, a recommendation will be made to the Sumner County Board of Education for approval at their May 16, 2017 regular meeting. If approved, a notice to proceed will be provided to the successful bidder upon the execution of AIA Document A101-2007 Standard Form Agreement Between Owner and Contractor document, any required bonds as specified herein, and Certificate of Liability Insurance are provided to the Owner.

B. Project completion shall be on, or before, August 1, 2017. Liquidated damages in the amount of \$500 per day shall be assessed for every day past the project completion date not approved in writing by the owner.

STRUCTURAL NOTES

- GENERAL CONDITIONS**
 - The design of the structure is intended to conform with the provisions of the Building Code defined as: International Building Code, 2012 Edition. All construction techniques and practices shall conform to the same Building Code.
 - The contractor shall verify all dimensions and conditions in the field prior to fabrication and construction. The contractor shall immediately notify the engineer of any discrepancies between the field conditions and these drawings.
 - The design, adequacy, and safety of erection bracing are the sole responsibility of the contractor.
 - Submit shop drawings for the following work:
 - Structural Steel
 - Concrete Mix Design
 - Metal Plate Connected Wood Trusses
 - Shop drawings shall be sealed by an engineer registered in the state where the project is located.
- DESIGN LOADS**
 - Floors
 - Live: 100 psf
 - Dead: 15 psf
 - Roof (Metal Plate Connected Wood Trusses)
 - Top Chord Live: 20 psf
 - Top Chord Dead: 15 psf
 - Bottom Chord Live: 10 psf
 - Bottom Chord Dead: 5 psf
 - Wind

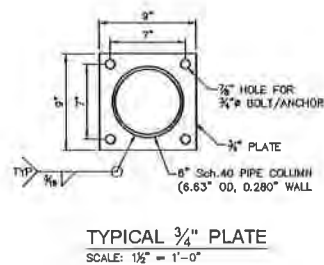
The Main Wind Force Resisting System was designed to resist wind forces per ASCE 7-10 using the following parameters:
 Risk Category = II, Exposure Category = C, Enclosure Classification = Enclosed, End Zone Width = Minimum = 3 ft
 Ultimate Design Wind Speed, V_{ult} (3-Second Gust) = 115 mph, V_{ref} (Nominal Design Wind Speed) = $V_{ult} \cdot U_E = 89.1$ mph
 Velocity Wind Pressure, $q_s = 30.03$ psf, GCF_p (Internal Pressure Coef.) = ± 0.18
 - Seismic

The Seismic Force Resisting System was designed to resist seismic forces per ASCE 7-10 using the Equivalent Lateral Force Procedure incorporating the following parameters:
 Basic Seismic Force Resisting System = Light-frame (wood) walls sheathed with wood structural panels rated for shear resistance
 $S_s = 0.285$, $S_1 = 0.140$, $S_{D1} = 0.208$, $S_{D2} = 0.208$, I_e (Importance Factor) = 1.00, Site Class = D, Seismic Design Category = B
 Risk Category = II, $F_a = 1.57$, $F_v = 2.24$, $C_s = 0.046$, $R = 6\frac{1}{2}$, V (Base Shear) = 2.88 k
 - Snow
 - P_f (Ground Snow Load) = 10 psf
 - Guard and Hand Railings (including their attachments) shall be capable of properly resisting the following two non-concurrent load cases:
 - A single concentrated load of 200 lb acting in any direction applied to the top of the railing system.
 - A uniform load of 50 lb per foot acting in any direction applied to the top of the railing system.
- FOUNDATION DESIGN INFORMATION**
 - Footings are to bear on undisturbed soil (or controlled fill if the Geotechnical Report permits) below the depth of the local frost line, but not less than 18" below finished grade.
 - Where unacceptable soil is encountered during excavation, the soil shall be removed and replaced with properly compacted controlled fill per a Geotechnical Engineer's recommendations.
- REINFORCED CONCRETE**
 - The minimum compressive strength of concrete at 28 days for Strength Design by ACI 318-11 "Building Code Requirements For Structural Concrete" shall be as follows:
 - Footings: $f_c = 3,000$ psi
 - Concrete exposed to freezing and thawing shall have a maximum water/cement ratio of 0.50. All concrete subjected to deicers (and/or required to be waterproof) shall have a maximum water/cement ratio of 0.45. Provide entrained air as per ACI 318-11, Table 4.4.1, "Total Air Content for Concrete Exposed to Cycles of Freezing and Thawing".
 - When placing (pouring) or concrete, vibrate the concrete using mechanical vibrators.
 - Reinforcing steel shall be deformed bars conforming to ASTM A615, Grade 60.
 - Provide the following minimum concrete cover for reinforcement:
 - Concrete cast directly on the ground without the use of forms: Cover = 3"
 - Concrete exposed to weather or in contact with the ground: Cover = 2"
- STRUCTURAL STEEL**
 - All structural steel work shall conform to the AISC 360-10 "Specification for Structural Steel Buildings", 14th Edition.
 - Angles, channels, plates, rods, and bars shall be ASTM A36 ($F_y = 36$ ksi), unless noted otherwise.
 - Wide flange beams shall be ASTM A992 ($F_y = 50$ ksi), unless noted otherwise.
 - Pipes shall be ASTM A53, Grade B, Type E or Type S ($F_y = 35$ ksi), unless noted otherwise.
 - Bolts shall be ASTM A325, unless noted otherwise.
 - Where ASTM A325 bolts are not available because of the required bolt length and/or thread length, use ASTM A449 bolts with a heavy hex head.
 - Anchor bolts shall be ASTM F1554 Grade 36, unless noted otherwise.
 - Welds shown on the structural drawings are representative and may not directly identify all welding passes required. The fabricator's drawings shall show all welds that are required. All welding shall be done by welders that are certified in the welding positions being utilized. For shop welding, use ASTM E70 electrodes. For field welding, use ASTM E70 Low-Hydrogen electrodes. Welds and welding techniques shall conform to AWS Specifications.
 - Paint all structural steel with a high grade rust-inhibiting primer. Use red oxide primer unless otherwise noted. The compatibility of primer and any top coat shall be verified before any painting is started. Touch-up all exposed metal after field installation. All structural steel which is exposed to the elements shall receive two coats of exterior enamel which is compatible with the primed surface.
 - Handrail and guardrail (including attachment) shall be provided where required by the Building Code, and shall meet the dimensional requirements of the Building Code and OSHA. Handrail and guardrail shall be capable of resisting the loading described above.
 - Brick Lintels:
 - Opening Less than 6'-0": Use L4x4x $\frac{1}{2}$ Loose Lintel with 4" bearing on each end.
 - Opening More than 6'-0": Use L5x5x $\frac{1}{2}$ through bolted to header with $\frac{1}{2}$ " bolts spaced @ 24" on center
- WOOD FRAMING**
 - All solid sawn lumber (except studs) shall be Southern Yellow Pine #2, unless noted otherwise.
 - All exterior walls and interior load-bearing walls shall be framed using 2x4 studs (SPF Stud Grade) @ 16" on center.
 - All interior non-load-bearing walls shall be framed using 2x4 studs (SPF Stud Grade) @ 16" on center.
 - All engineered lumber products shall be manufactured by Trus Joist or approved equal.
 - All connectors shall be manufactured by Simpson Strong Tie, or an approved substitute.
 - All connectors shall be installed in accordance with the manufacturer's recommendations including the installation of all hardware including anchor bolts, nails, and screws.
 - Notch or cut engineered lumber products only within the allowable parameters established by the manufacturer.
 - Install all engineered lumber products in accordance with the manufacturer's recommendations.
 - Floor decking shall be tongue and groove $\frac{3}{4}$ " plywood or OSB, glued and nailed (or screwed) to the floor framing.
 - Roof decking shall be $\frac{3}{4}$ " plywood (or OSB).
 - Sheath all exterior walls using $\frac{1}{2}$ " Structural I sheathing (plywood or OSB).
 - Connect sheathing to wall framing with 10d nails spaced at 3" on center around all panel edges. Use 8d nails spaced at 6" on center in the panel interior. Where panels are applied to both faces of an exterior wall, panel joints shall be offset to fall on different framing members. Nails at all panel edges shall be staggered.
 - Provide solid blocking beneath all point loads.
 - Wall Headers:
 - Opening Less than 5'-0": Use Triple 2x6
 - All lumber in contact with concrete or masonry shall be pressure treated.
 - Metal plate connected wood trusses shall be supplied with appropriate uplift hardware and hangers.
 - Metal plate connected wood trusses shall be manufactured, installed, and braced in accordance to the recommendations of the Truss Plate Institute.
 - Metal plate connected wood trusses shall be designed by an engineer licensed in Tennessee. The truss calculations and the truss layout(s) shall be sealed by the engineer, and must incorporate in the design appropriate loading per the Building Code.

STATEMENT OF SPECIAL INSPECTIONS (IBC 2012)

- THE OWNER SHALL EMPLOY SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION AS DESCRIBED BELOW.
- INSPECTION OF FABRICATORS (Structural Steel, Metal Plate Connected Wood Trusses, Pre-Engineered Metal Building, etc.)**
 - If the fabricator is NOT APPROVED (IBC Section 1704.2.5.2), then special inspections shall be performed of the fabricated items on the premises of the fabricator's shop and on the fabricator's "Fabrication and Implementation procedures" (IBC Section 1704.2.5.1).
 - If the fabricator is APPROVED (IBC Section 1704.2.5.2), then special inspections are not required, but the approved fabricator shall submit a "certificate of compliance" to the building official.
 - STRUCTURAL STEEL**

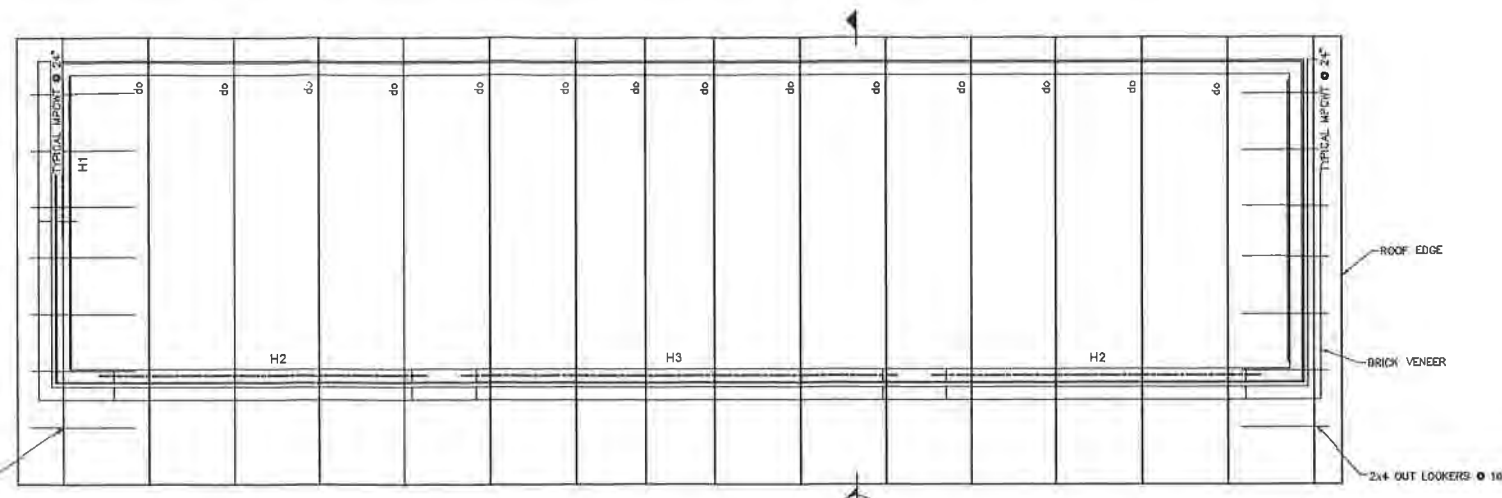
Special inspections and non-destructive testing of structural steel shall be in accordance with the quality assurance inspection requirements of AISC 360-10, Chapter N.



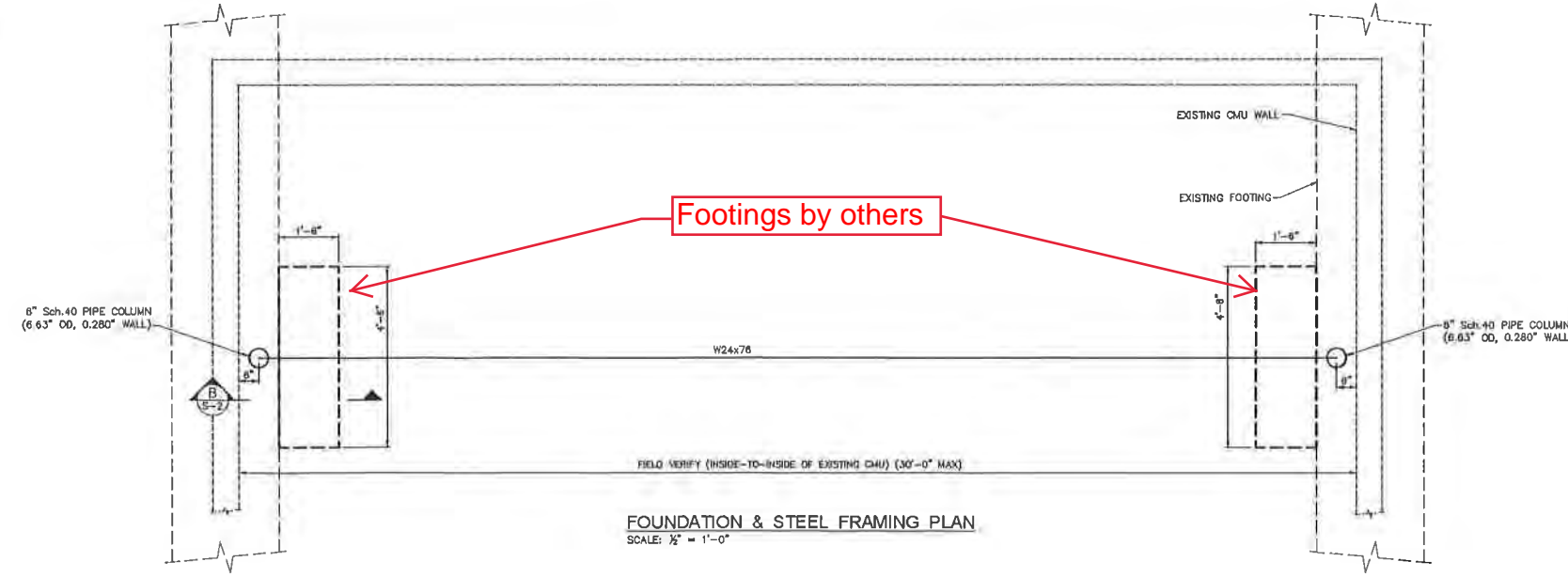
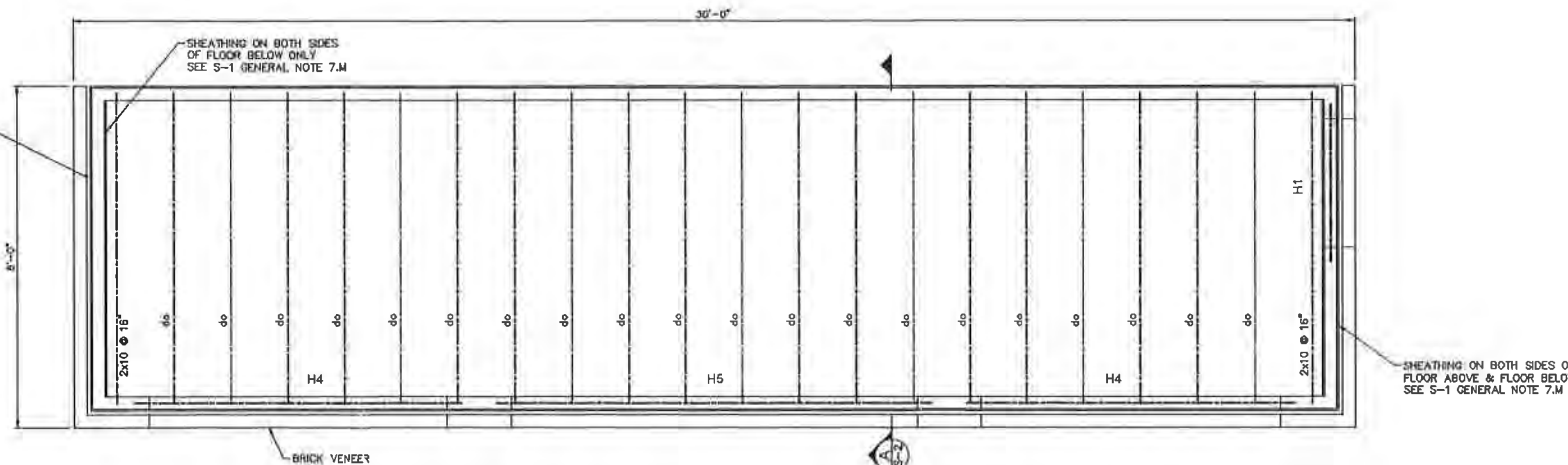
Phase 2

Phase 2

Phase 2



MARK	SIZE	BEARING
H1	DOUBLE 2x6	1 1/2"
H2	DOUBLE 2x6	1 1/2"
H3	DOUBLE 2x12	1 1/2"
H4	2-PLY 9x4 LVL	3"
H5	2-PLY 11x6 LVL	3"



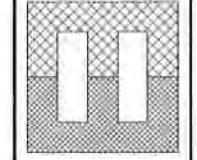
Revisions
7/11/2016

Hendersonville High School
Quarterback Club
123 Cherokee Dr.
Hendersonville, TN 37075

Hendersonville High School
Football Stadium Press Box
123 Cherokee Drive
Hendersonville, TN 37075



ELROD ENGINEERING
871 Seven Oaks Blvd., Suite 220
Smyrna, TN 37167
866-399-5111

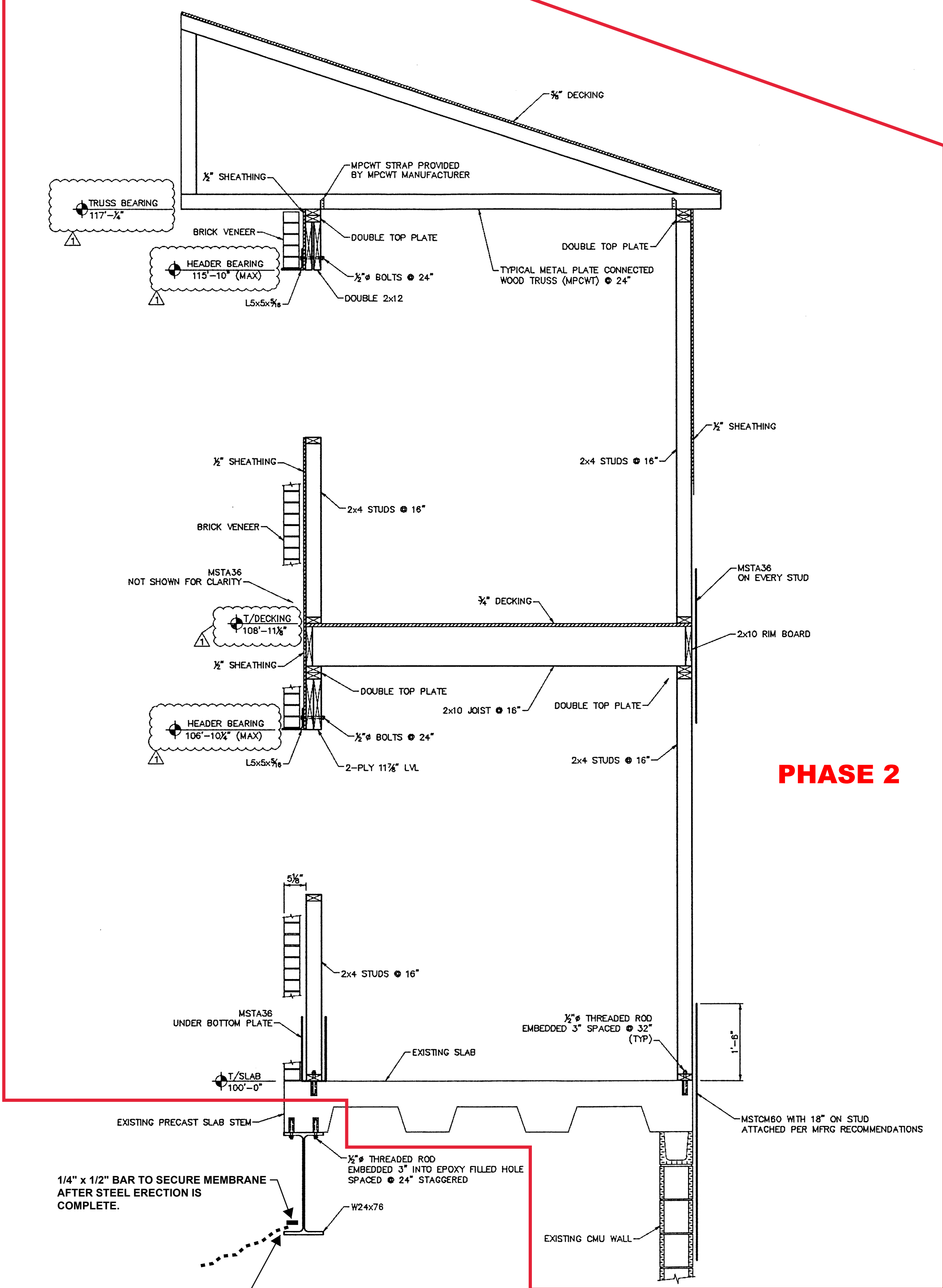


Drawn	PTG
Checked	WML
EE Job #	500 00386
Filename	HHS PressBox STR
Issued	7/06/2016

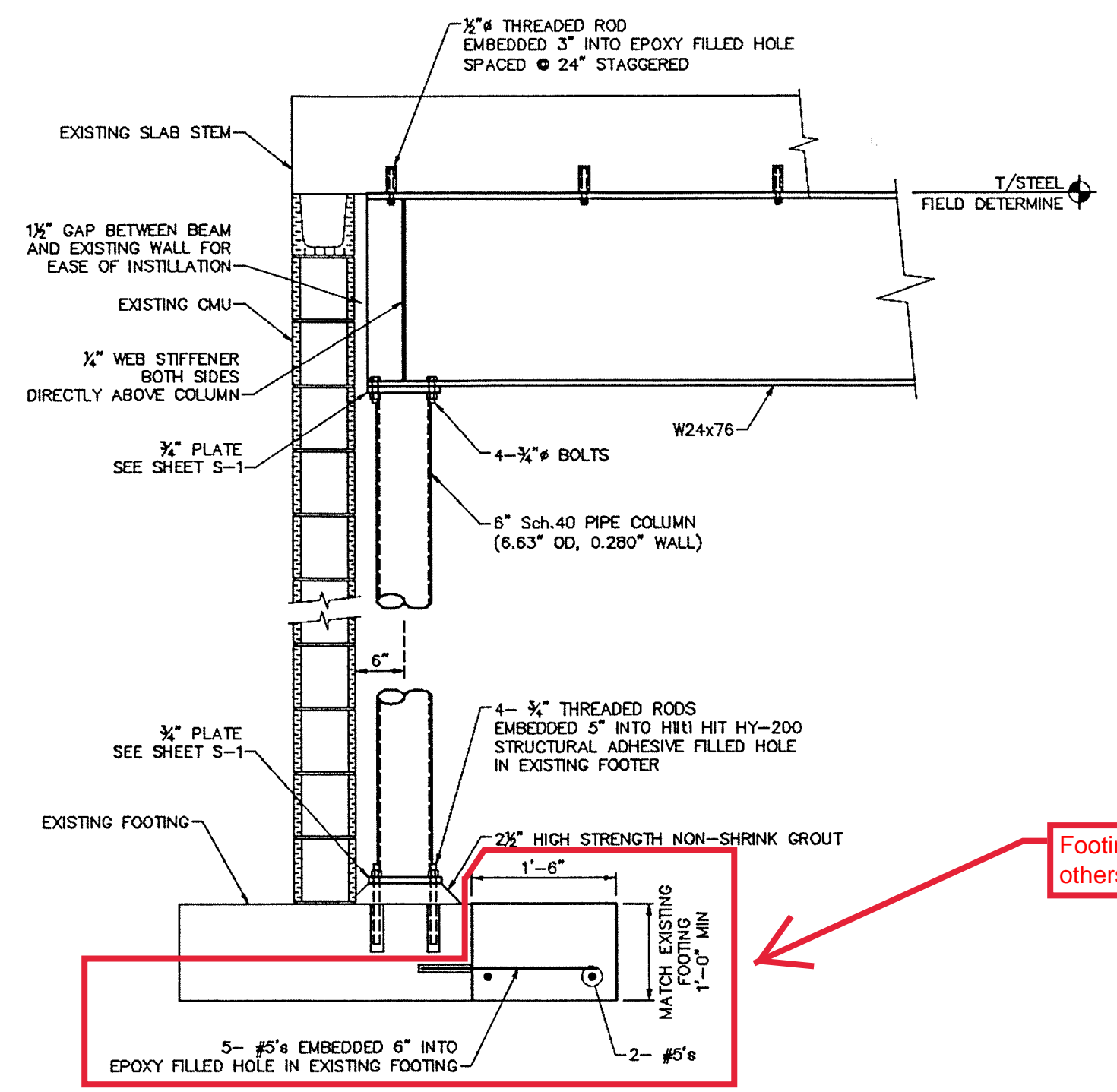
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All items on this page are Phase 1 unless otherwise noted.

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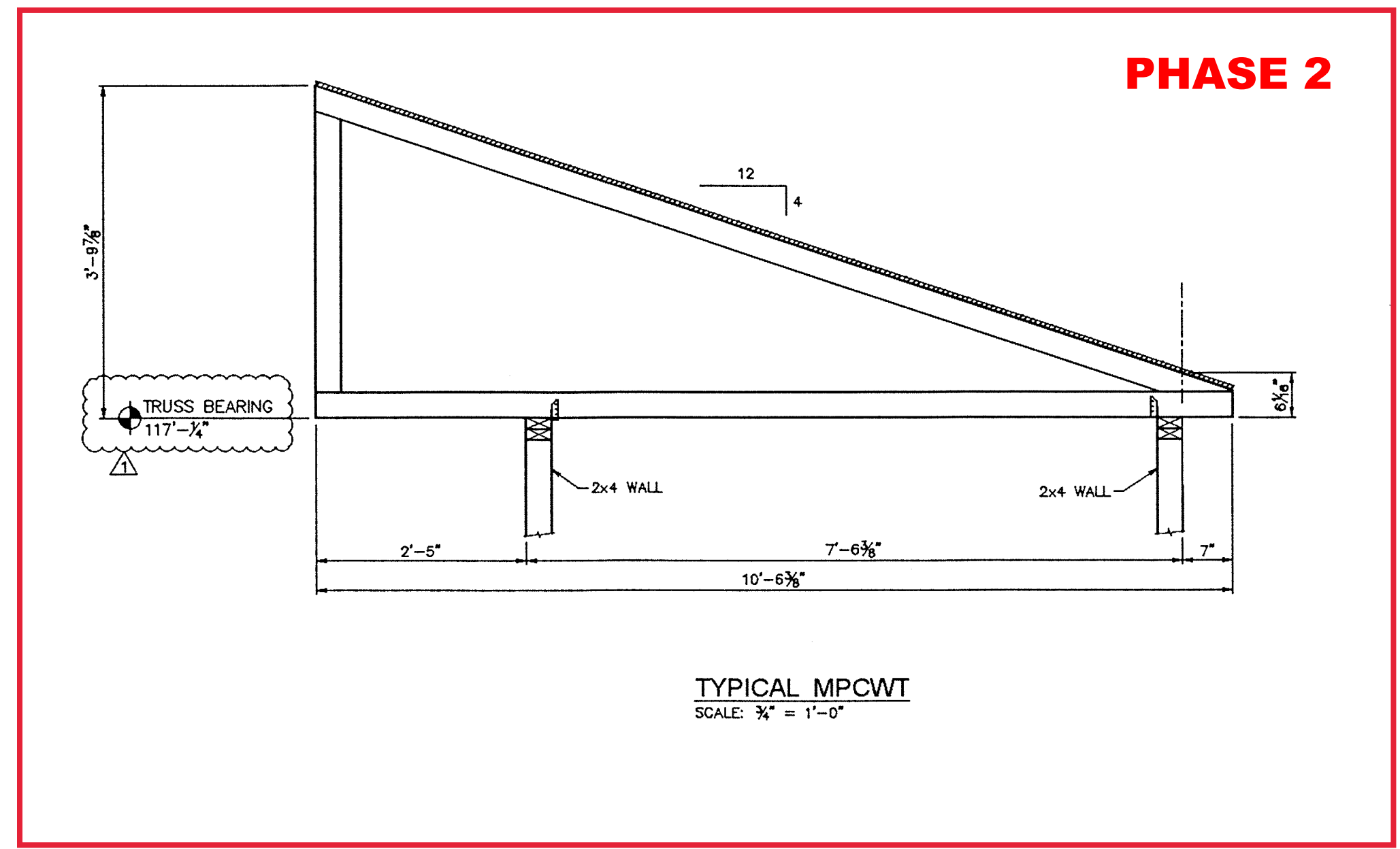


SECTION
SCALE: 3/4" = 1'-0" (A)



SECTION
SCALE: 3/4" = 1'-0" (B)

Footings by others



TYPICAL MPCWT
SCALE: 3/4" = 1'-0"

Revisions	
7/11/2016	
Hendersonville High School Quarterback Club 123 Cherokee Dr. Hendersonville, Tn 37075	
Hendersonville High School Football Stadium Press Box 123 Cherokee Drive Hendersonville, TN 37075	
ELROD ENGINEERING 871 Seven Oaks Blvd., Suite 220 Smyrna, TN 37167 866-399-5111	
Drawn	PTG
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EE Job#	500.00386
Filename	HHS PressBox.STR
Issued	7/06/2016
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