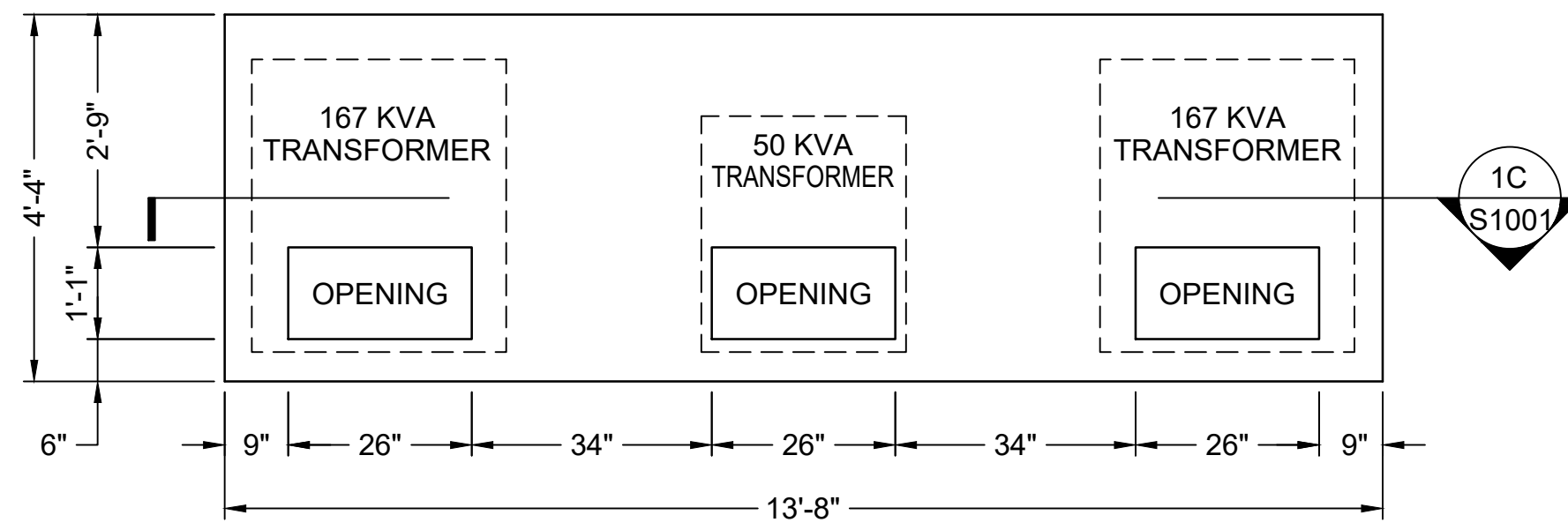
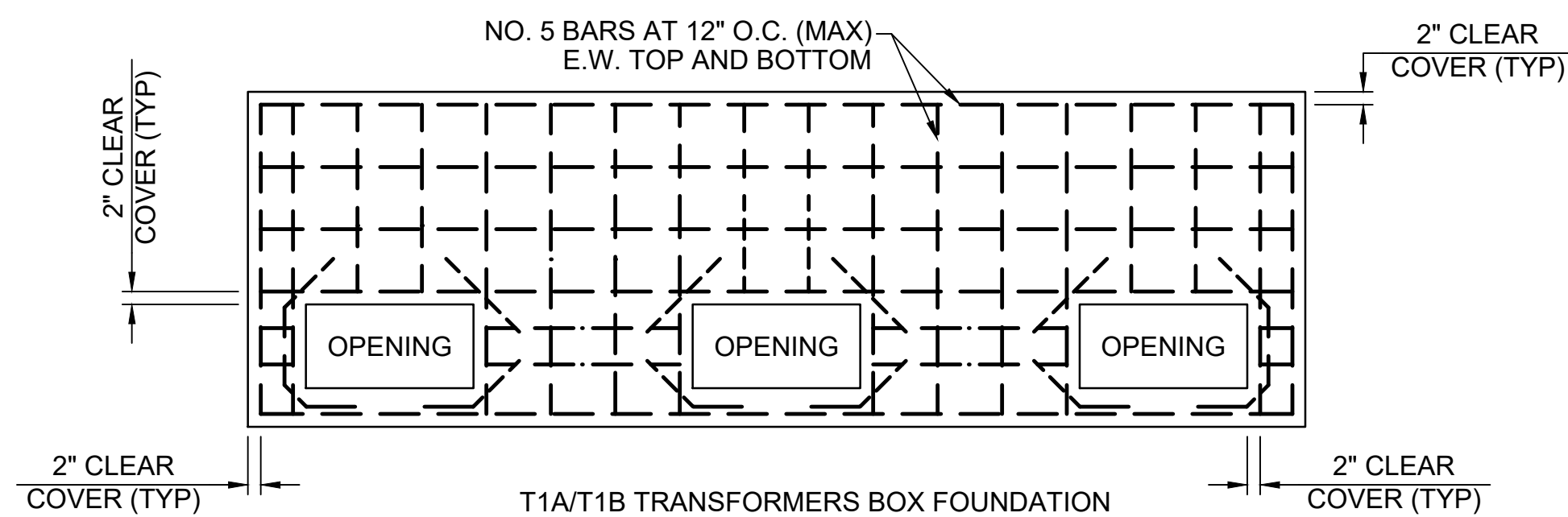


# GENERAL FOUNDATION NOTES

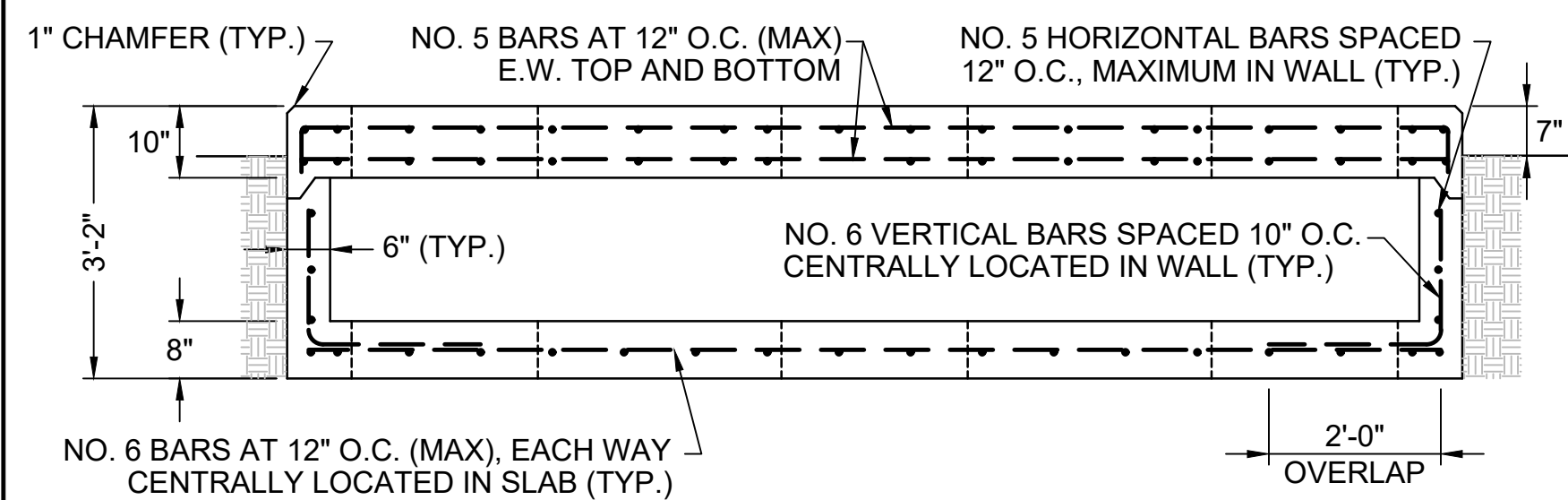
- A. GENERAL NOTES:**
- ALL WORK SHALL CONFORM TO THE SOUTH CAROLINA STATE BUILDING CODE, LATEST REVISION, AS WELL AS ALL LOCAL AND FEDERAL REQUIREMENTS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LAYOUT OF THE FOUNDATION ELEMENTS AND SHALL COORDINATE THE LOCATIONS OF ALL FOOTINGS, ANCHOR BOLTS, SLABS, AND OTHER EMBEDDED ITEMS WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS REQUIREMENTS.
  - ANY CHANGES WHICH MAY AFFECT THE LOCATION AND/OR REACTIONS OF THE FOUNDATION MEMBERS SHALL BE BROUGHT TO THE FOUNDATION ENGINEER'S ATTENTION IMMEDIATELY.
  - FOUNDATION ENGINEER SHALL NOT BE RESPONSIBLE FOR EXISTING SLAB OR OTHER FLOOR MATERIALS NOT SPECIFICALLY ADDRESSED IN FOUNDATION DRAWINGS.
  - STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS INTO THEIR SHOP DRAWINGS.
  - NO CHANGE IN SIZE OF THE DIMENSION OF STRUCTURAL MEMBERS SHALL BE MADE WITHOUT WRITTEN APPROVAL OF THE ENGINEER.
  - THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED UPON STRUCTURE. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE STRUCTURE AT THE TIME THE LOADS ARE IMPOSED.
  - DO NOT SCALE THESE DRAWINGS; USE DIMENSIONS.
- B. CONCRETE**
- CONCRETE WORK SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE," ACI 318-11, INCLUDING SUPPLEMENTS.
  - CONCRETE SHALL REACH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS, NORMAL WEIGHT.
- C. FOUNDATIONS:**
- MAXIMUM ALLOWABLE SOIL PRESSURE - 2,000 PSF (PRESUMPTIVE) STANDARD PROCTOR. THIS SHALL BE VERIFIED BY A QUALIFIED GEOTECHNICAL ENGINEER BEFORE FOOTINGS ARE PLACED.
  - GEOTECHNICAL TESTING SHALL BE PROVIDED BY CONTRACTOR.
  - ALL REQUIRED FILL SHALL BE SELECT MATERIAL FREE FROM ROOTS, TRASH, WOOD SCRAPS, AND OTHER EXTRANEOUS MATERIALS. PLACE FILL IN LIFTS NOT EXCEEDING 12 INCHES AND COMPACT EACH EXCEEDING LIFT TO 95% DENSITY AT OPTIMUM MOISTURE CONTENT AS MEASURED BY ASTM D-698.
- D. SLAB.**
- FLOOR SLAB CONCRETE THICKNESS AND REINFORCEMENT SHALL BE AS SHOWN ON PLAN.
  - PROVIDE CONSTRUCTION OR CONTROL JOINTS IN SLAB-ON-GRADE AT OFFSETS, COLUMN GRIDS, CHANGES IN DIRECTION AND AT 15 FEET MAXIMUM, OR AS SHOWN ON PLANS.
  - SAW CUT JOINTS SOON AFTER CONCRETE HARDENED JUST ENOUGH TO PREVENT RAVELING OUT OF THE AGGREGATE AND DAMAGE TO EDGES, BUT NOT LATER THAN 36 HOURS AFTER THE CONCRETE WAS PLACED. AT CONSTRUCTION JOINTS WHERE BOND IS BROKEN BETWEEN TWO POURS, SAW CUTTING MAY BE DELAYED AS NECESSARY.
  - AFTER SAW CUTTING, CLEAN ALL THE CONTAMINANTS IN THE JOINTS WITH A MINIMUM 1000 PSI PRESSURE WATER BLASTER.
  - JOINT SEALANT TO BE SUITABLE FOR TRUCK LOADING AND FORK LIFT LOADS ON SLAB. SEALANT TO BE INSTALLED IN ACCORDANCE TO MANUFACTURER'S RECOMMENDATIONS.
- E. REINFORCING STEEL:**
- BARS SHALL BE ROLLED FROM NEW BILLET-STEEL CONFORMING TO THE STANDARD SPECIFICATION FOR DEFORMED AND PLAIN BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT," ASTM A-615, GRADE 60, AND SUPPLEMENTARY REQUIREMENT S1.
  - WELDED WIRE FABRIC SHALL CONFORM TO THE "STANDARD SPECIFICATION FOR WELDED STEEL WIRE FABRIC FOR CONCRETE REINFORCEMENT," ASTM A-185.
  - DETAIL AND FABRICATE REINFORCING STEEL IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE, "ACI DETAILING MANUAL - 1988," PUBLICATION SP-66(88).
  - MINIMUM CONCRETE COVER, UNLESS NOTED OTHERWISE:
    - A) UNFORMED SURFACES IN CONTACT WITH THE GROUND ..... 3.0"
    - B) FORMED SURFACES EXPOSED TO EARTH OR WEATHER ..... 2.0"
    - C) FORMED SURFACES NOT EXPOSED TO EARTH OR WEATHER ..... 1.5"
  - PROVIDE BARS AT CORNERS AND INTERSECTIONS OF THE SAME NUMBER AND SIZE AS LONGITUDINAL BARS IN FOOTINGS AND WALLS.
  - MINIMUM LAP OF REINFORCING BARS SHALL BE 30 X BAR DIAMETER.
- F. DIMENSIONS:**
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO INSTALLATION.
  - CONTRACTOR SHALL BE RESPONSIBLE TO INFORM FOUNDATION ENGINEER OF ANY DIMENSIONAL DISCREPANCIES BETWEEN ARCHITECTURAL, MECHANICAL PLANS AND FOUNDATION PLANS PRIOR TO CONSTRUCTION.
  - CONTRACTOR TO VERIFY ALL DIMENSIONAL REQUIREMENTS FOR BUILDING PLACEMENT AND ORIENTATION OF ANCHOR BOLTS PRIOR TO POURING CONCRETE.



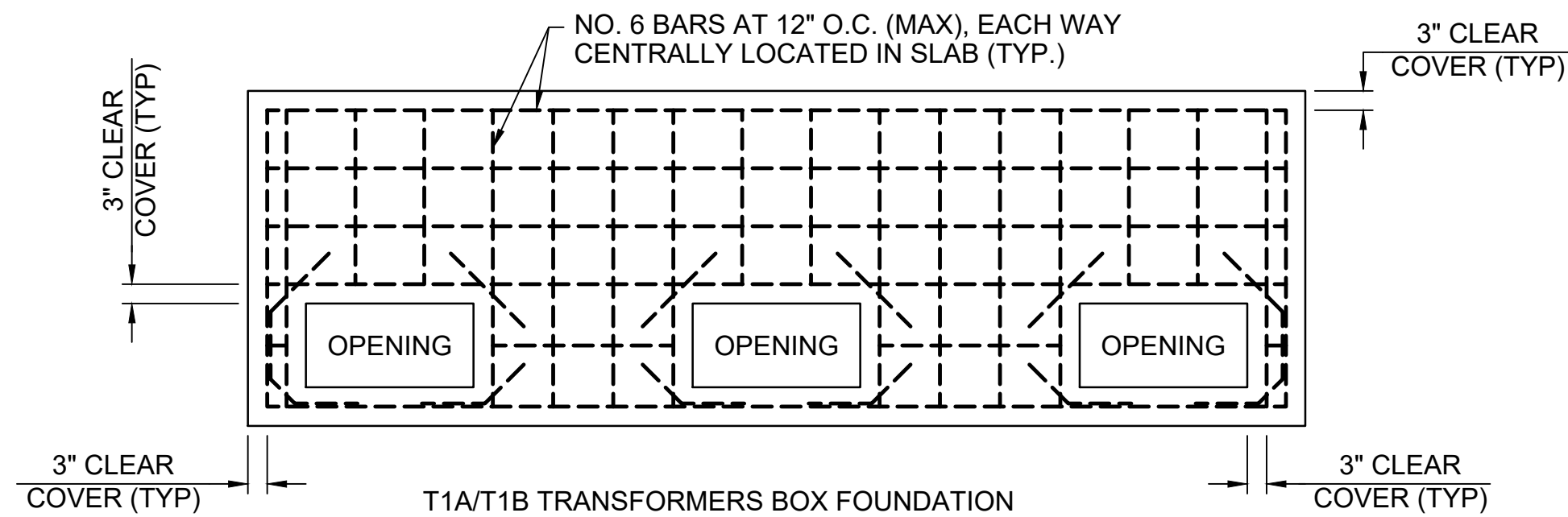
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T1A/T1B TRANSFORMERS BOX FOUNDATION  
SCALE: 1/2" = 1'-0"



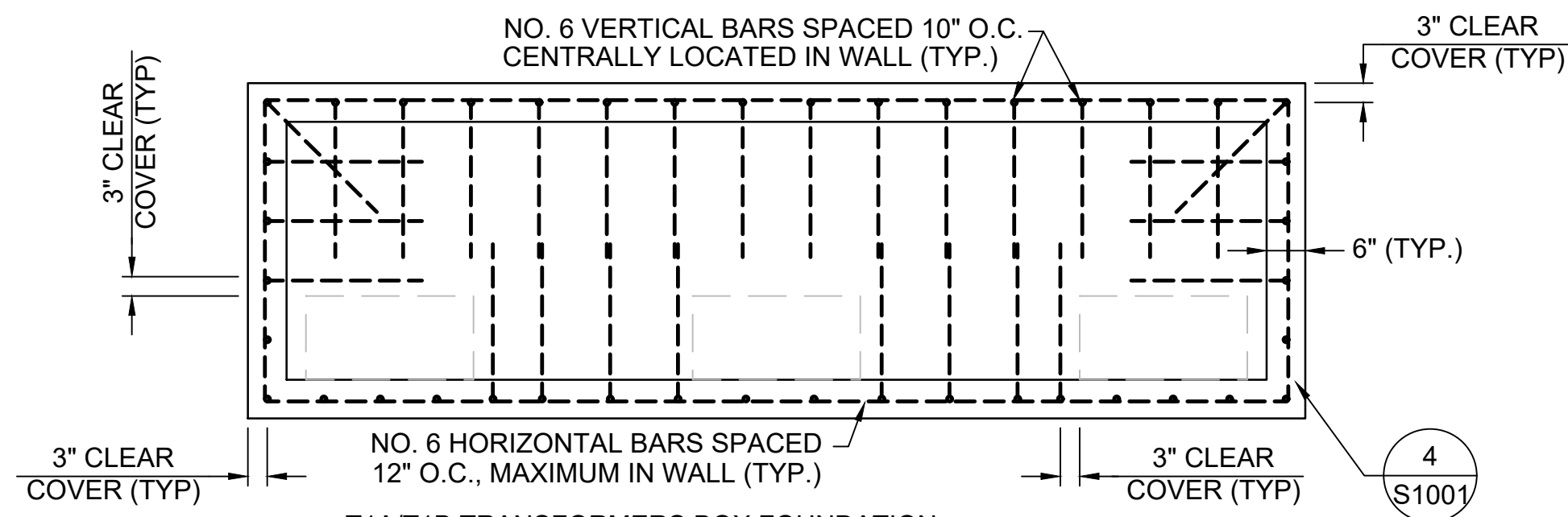
1B S1001 BOX LID REBAR LAYOUT  
T1A/T1B TRANSFORMERS BOX FOUNDATION  
SCALE: 1/2" = 1'-0"



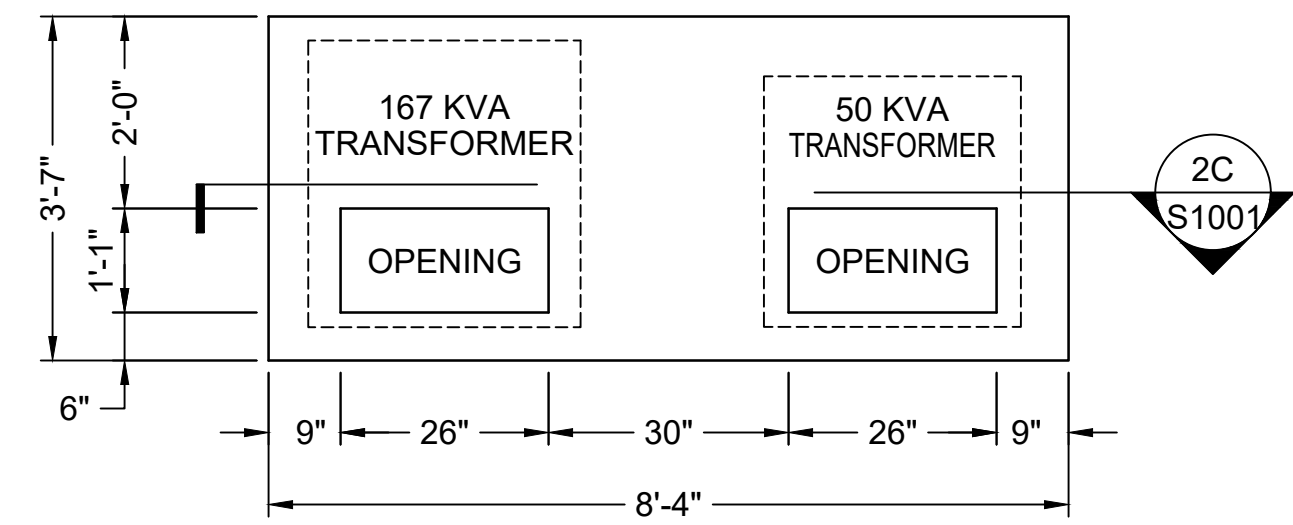
1C S1001 TYPICAL ELEVATION SECTION VIEW  
T1A/T1B TRANSFORMERS BOX FOUNDATION  
SCALE: 1/2" = 1'-0"



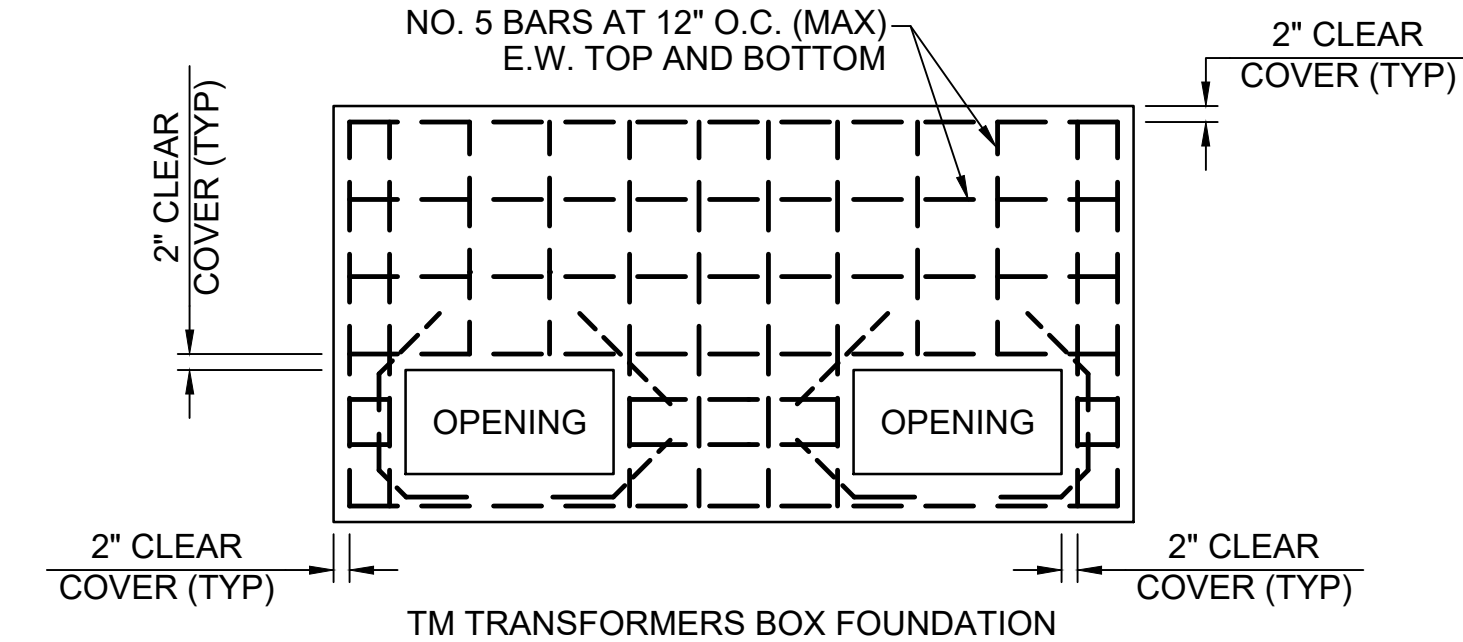
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T1A/T1B TRANSFORMERS BOX FOUNDATION  
SCALE: 1/2" = 1'-0"



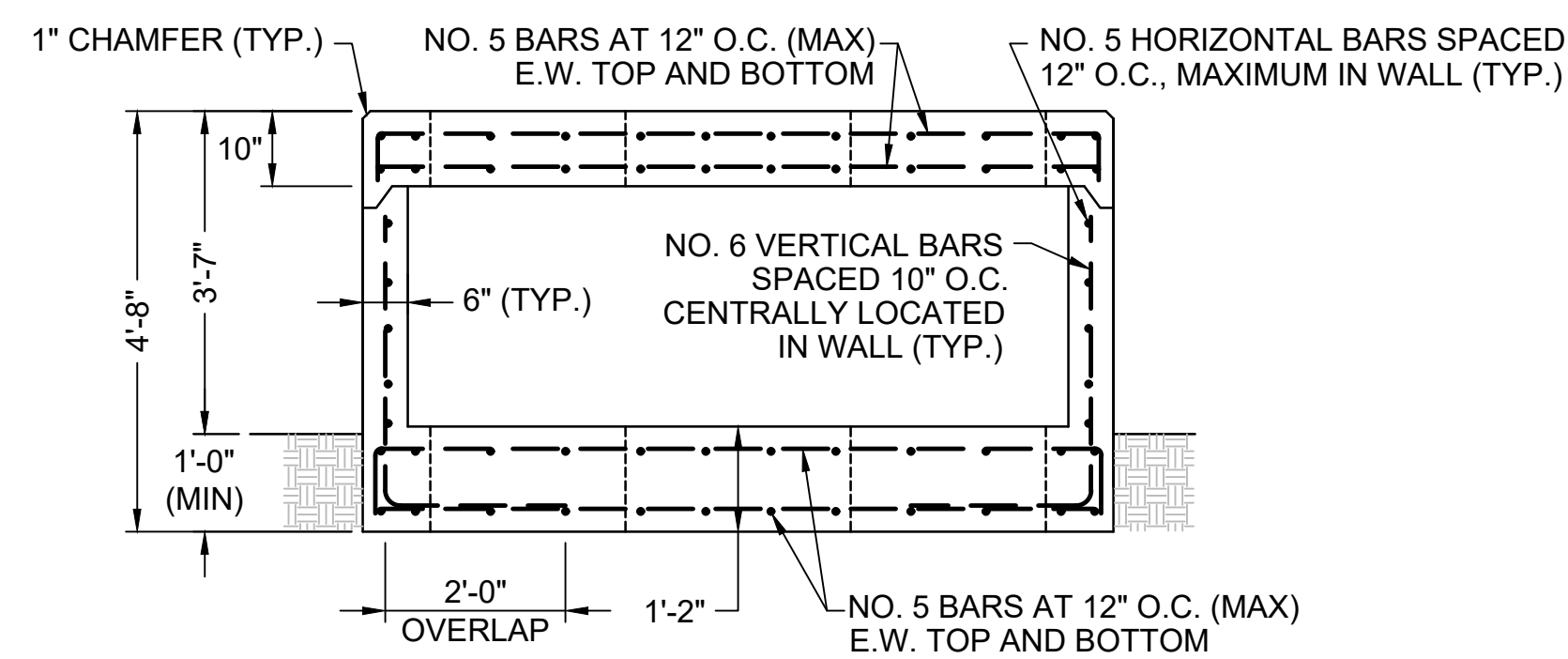
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T1A/T1B TRANSFORMERS BOX FOUNDATION  
SCALE: 1/2" = 1'-0"



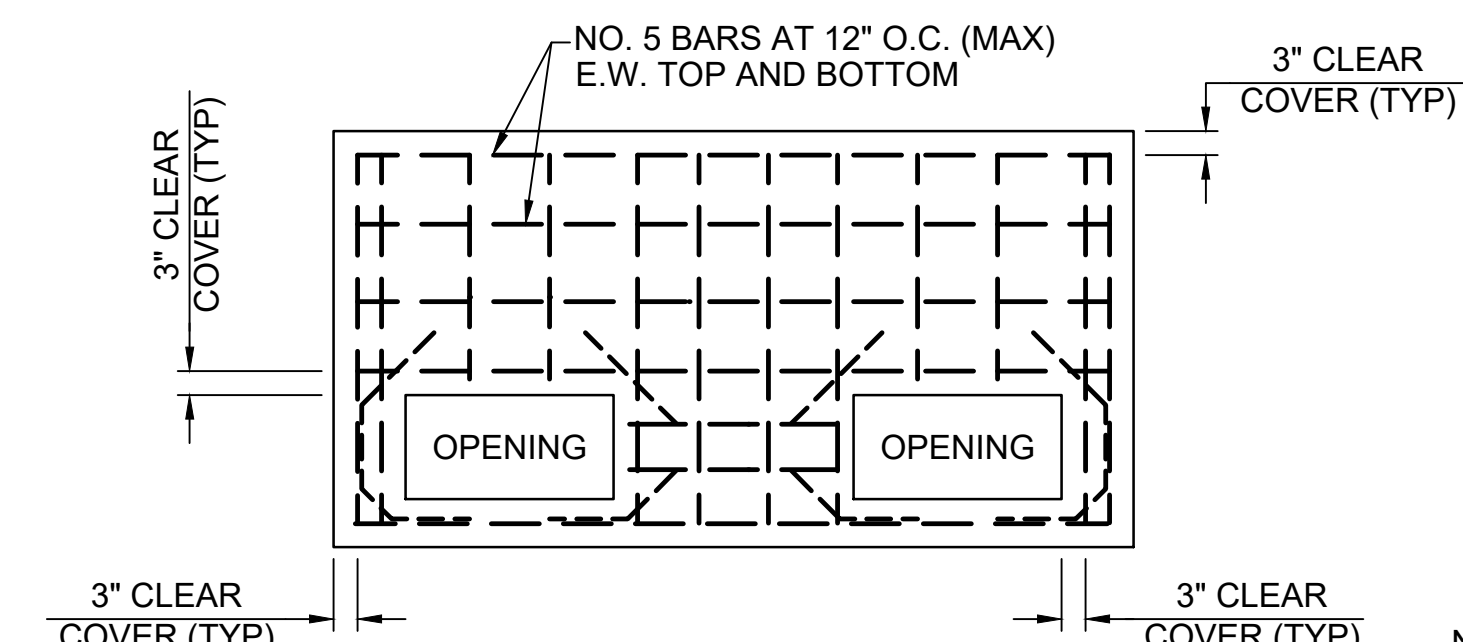
2A S1001 OVERALL PLAN VIEW  
TM TRANSFORMERS BOX FOUNDATION  
SCALE: 1/2" = 1'-0"



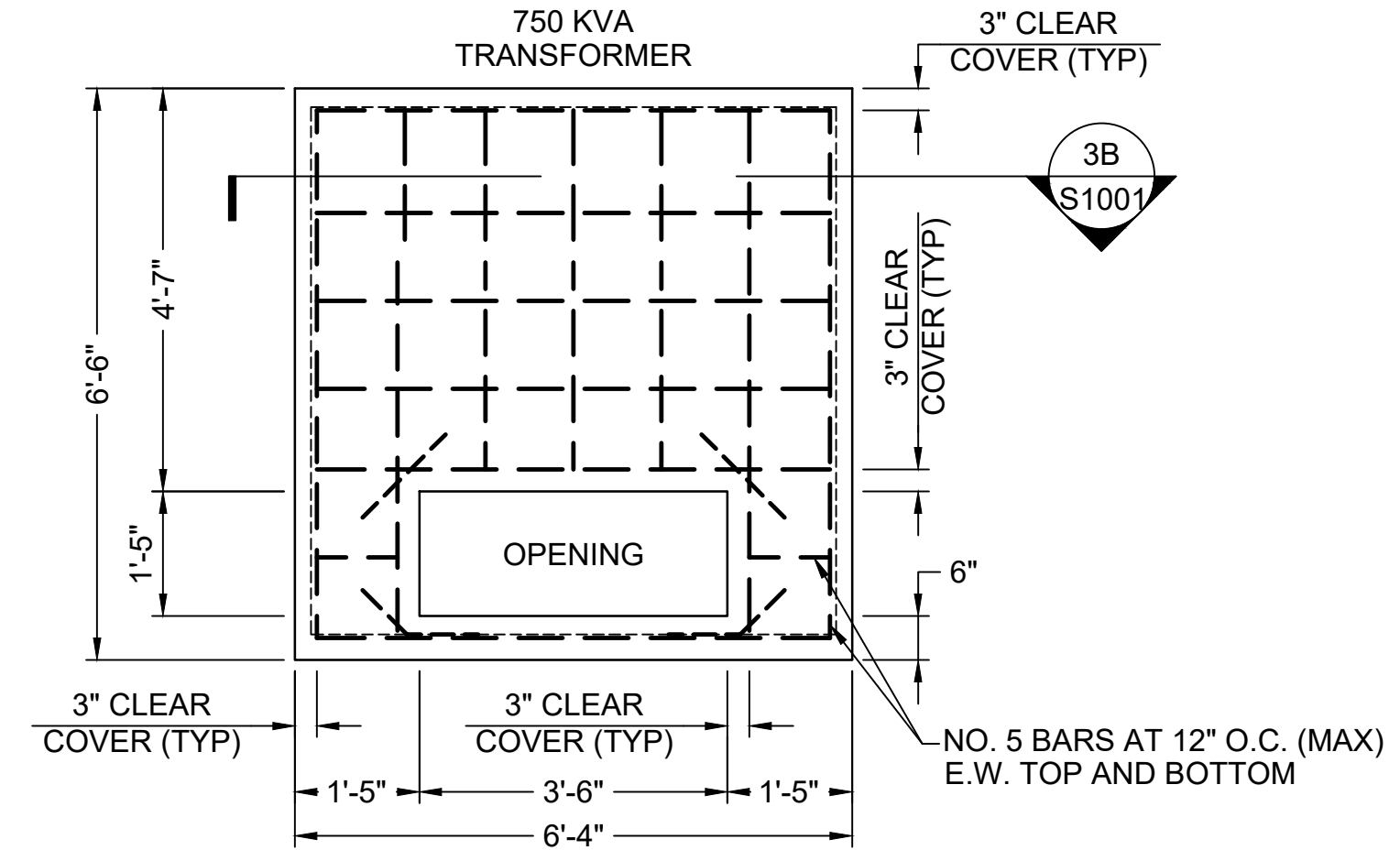
2B S1001 BOX LID REBAR LAYOUT  
TM TRANSFORMERS BOX FOUNDATION  
SCALE: 1/2" = 1'-0"



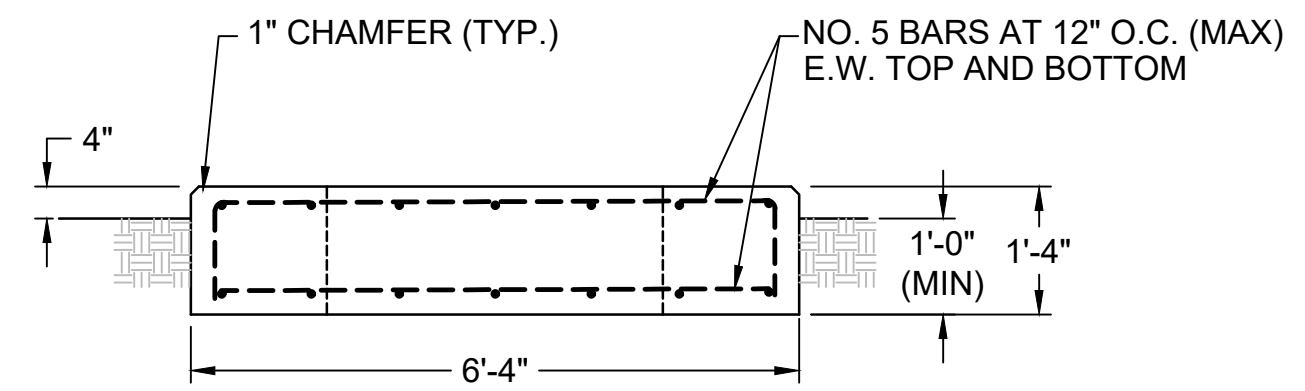
2C S1001 TYPICAL ELEVATION SECTION VIEW  
TM TRANSFORMERS BOX FOUNDATION  
SCALE: 1/2" = 1'-0"



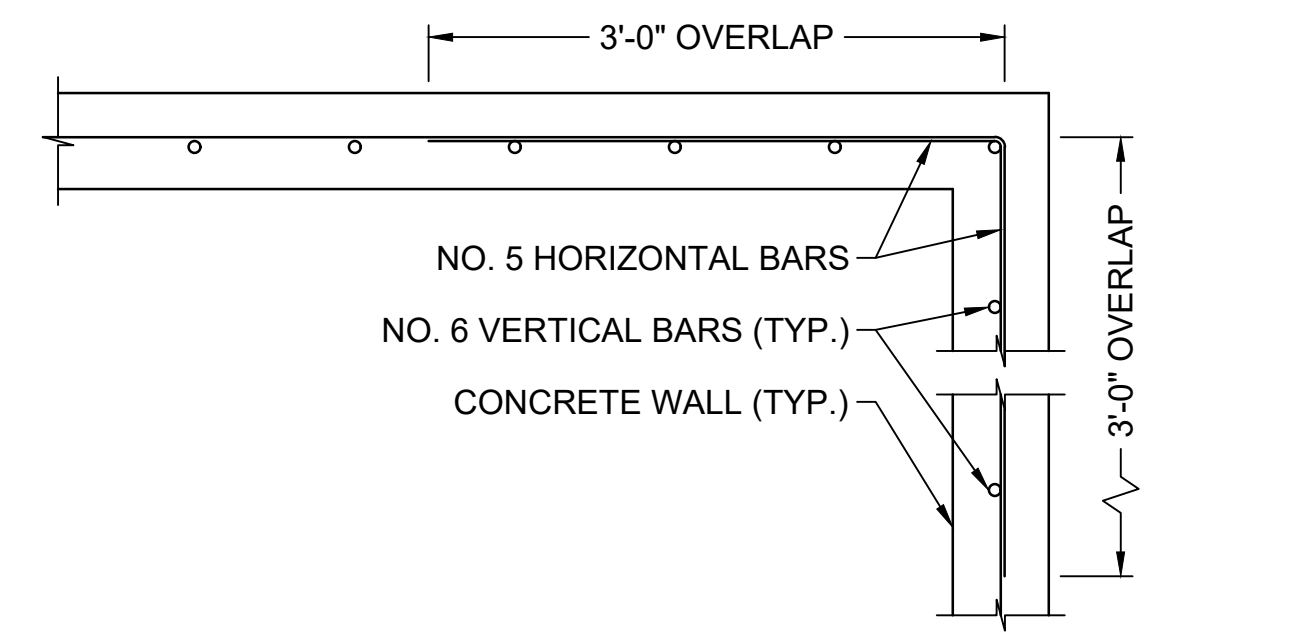
2D S1001 FOUNDATION SLAB REBAR LAYOUT  
TM TRANSFORMERS BOX FOUNDATION  
SCALE: 1/2" = 1'-0"



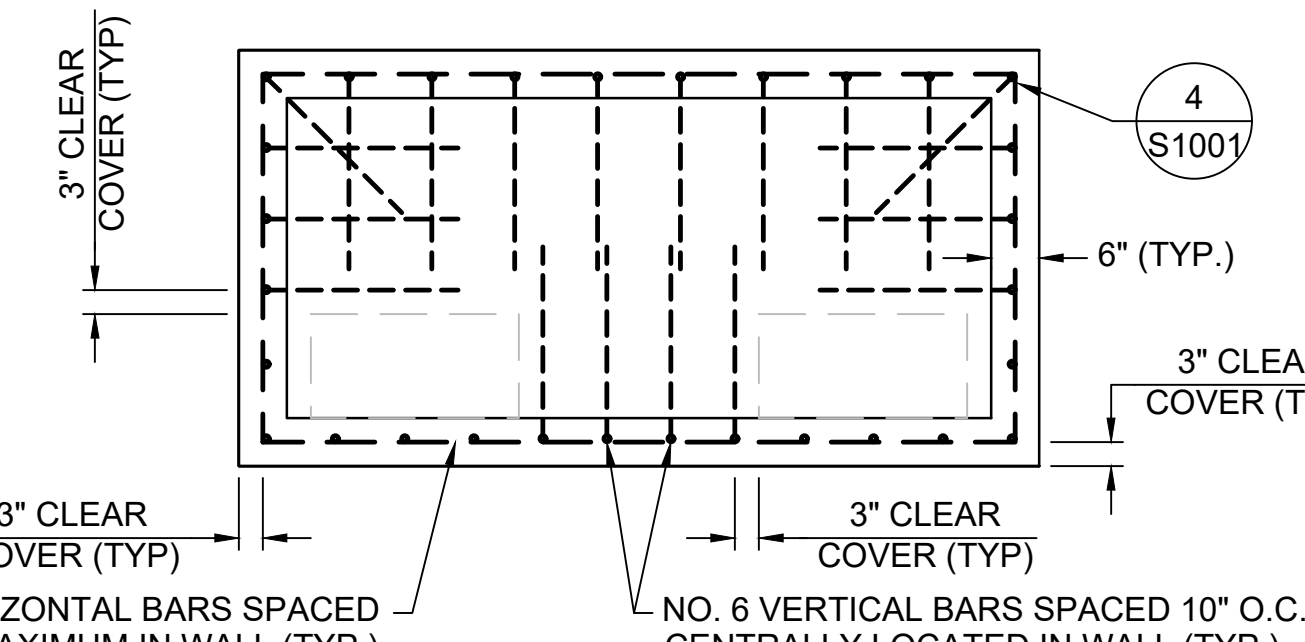
3A S1001 OVERALL PLAN VIEW AND REBAR LAYOUT  
TH TRANSFORMER FOUNDATION  
SCALE: 1/2" = 1'-0"



3B S1001 TH TRANSFORMER FOUNDATION  
SLAB SECTION VIEW  
SCALE: 1/2" = 1'-0"



4 S1001 TYPICAL CORNER REBAR OVERLAP  
SCALE: 1" = 1'-0"



2E S1001 FOUNDATION WALL REBAR LAYOUT (PLAN)  
TM TRANSFORMERS BOX FOUNDATION  
SCALE: 1/2" = 1'-0"

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SEA JOB NO. E-5576

<p><b>PRELIMINARY</b> NOT TO BE USED FOR CONSTRUCTION</p>		<p>CITY OF GEORGETOWN GEORGETOWN, SC FRONT ST ELECTRICAL UPGRADE - PH. 1 STRUCTURAL TRANSFORMER PADS</p>	
<p>REVISION 04/17/19</p>		<p><b>UTEC</b> UTILITY TECHNOLOGY ENGINEERS - CONSULTANTS P.O. Box 2629 • Asheboro, North Carolina • 27204</p>	
<p>1 ADDENDUM 1 04/17/19</p>	<p>DATE: 04/17/19</p>	<p>DWG. NO. S1001</p>	<p>SCALE: AS NOTED</p>
<p>0 BID ISSUE 04/05/19</p>	<p>DATE: 04/05/19</p>	<p>JOB NO. 171007</p>	<p>SHEET NO. 1 OF 1</p>
<p>NO. REVISIONS</p>	<p>DATE</p>	<p>SCALE: AS NOTED</p>	<p>JOB NO. 171007</p>