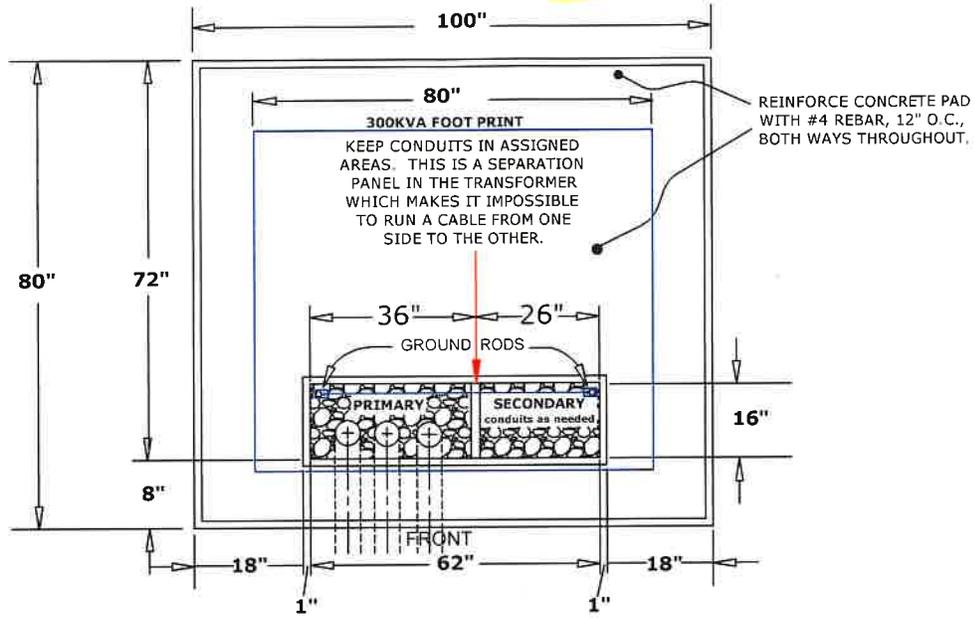
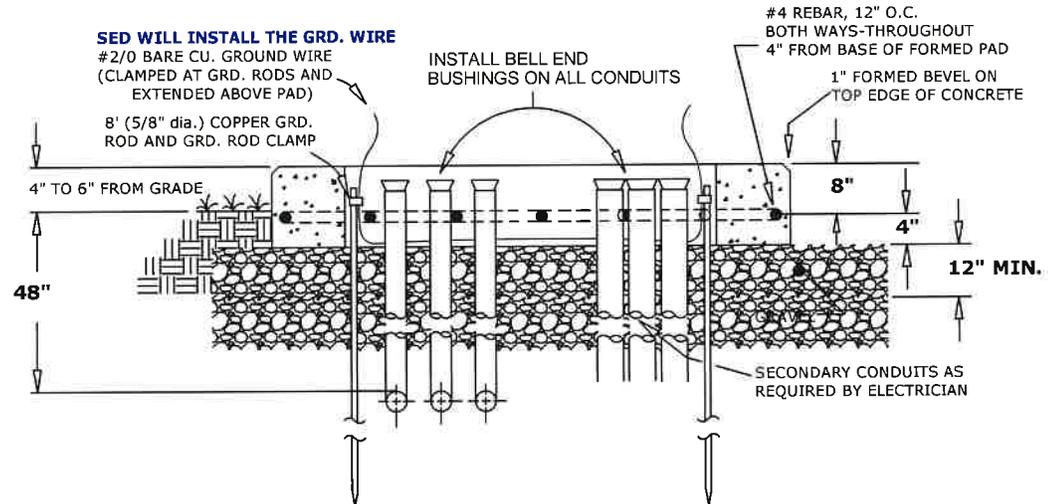


**SPRINGFIELD ELECTRIC DEPARTMENT**  
 CONCRETE PAD DETAIL  
 FOR 3-PHASE PAD MOUNTED TRANSFORMER - SAMPLE



**TOP VIEW**  
 NOT TO SCALE



**FRONT VIEW (CROSS SECTION)**  
 NOT TO SCALE

JOB INFORMATION	TRANSFORMER INFORMATION
LOCATION: SAMPLE PAD DETAIL _____	MANUFACTURE: _____
W.O. #: _____	COMPANY #: _____
SED ENGINEER: _____	KVA: _____ SECONDARY VOLTAGE: : _____
CONTRACTOR: _____	% IMP.: _____ FAULT CURRENT: _____AMPS

- NOTES:**
- All above materials, and labor, necessary to construct the pad shall be furnished by contractor.
  - Contractor shall be responsible for setting grade of pad. In no instance shall finished grade be less than 4" from the top of pad. Grading shall be such as to provide drainage away from the pad in all directions.
  - The concrete minimum 28 day compressive strength shall be 3000 psi. The top surface of the concrete pad shall be LEVEL THROUGHOUT with absolutely no high or low spots. The transformer must have a perfectly level surface on which to sit to prevent any outside interference to the primary or secondary of the transformer (critical). A smooth trowel finish is required. A broomed surface will not be accepted. Grouting will not be accepted. The beveled edge shown on the concrete pad detail is required and shall be formed. A trowel bevel will not be accepted.
  - Primary and secondary conduits shall be stubbed into the pad well in the designated area and shall be within 2" of the top of the transformer pad. Failure to allow proper separation of primary and secondary conduits, as indicated in the above drawing, will cause the pad form to be rejected.
  - Primary conduits to be 3" schedule 80 PVC with RIGID sweeping 90°elbows. Elbows shall have a radius of 36" and length of elbow shall be 60" and shall be buried a minimum of 48" from top of grade.
  - BEFORE pouring concrete, the pad form must be inspected by SED representative. Rebar and conduits must be in place at the time of inspection. The form is subject to rejection if pre-pour approval is disregarded. CALL 1 DAY BEFORE POURING TO ALLOW ADEQUATE RESPONSE TIME FROM SPRINGFIELD ELECTRIC.
  - Post pour inspection is required. This inspection should be requested only after all work is completed, forms removed, ground rods installed, and final grading has been performed. The transformer will be set only after the pad form has passed this inspection.