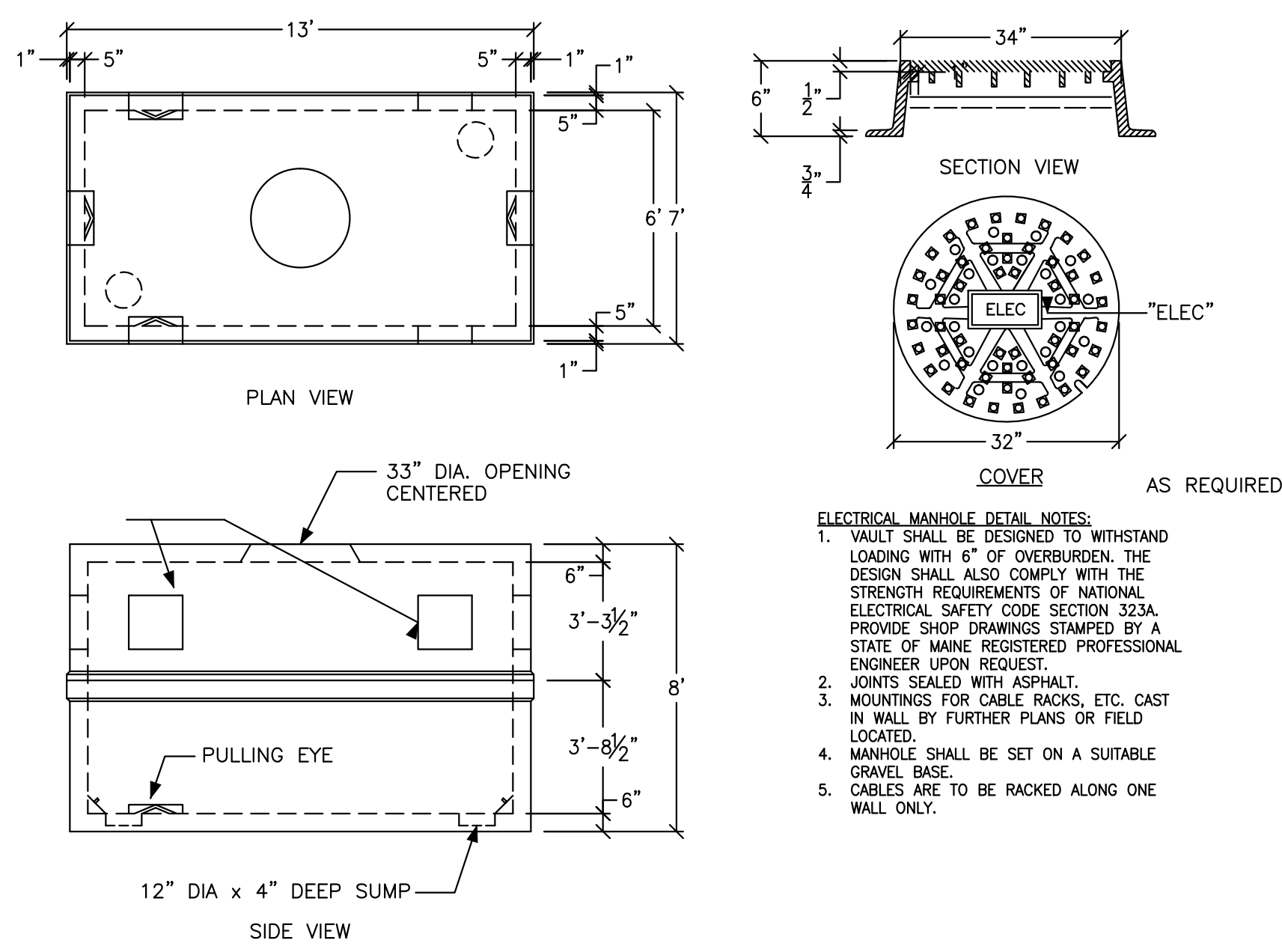


NOT TO SCALE

ELECTRICAL SERVICE METER DETAIL

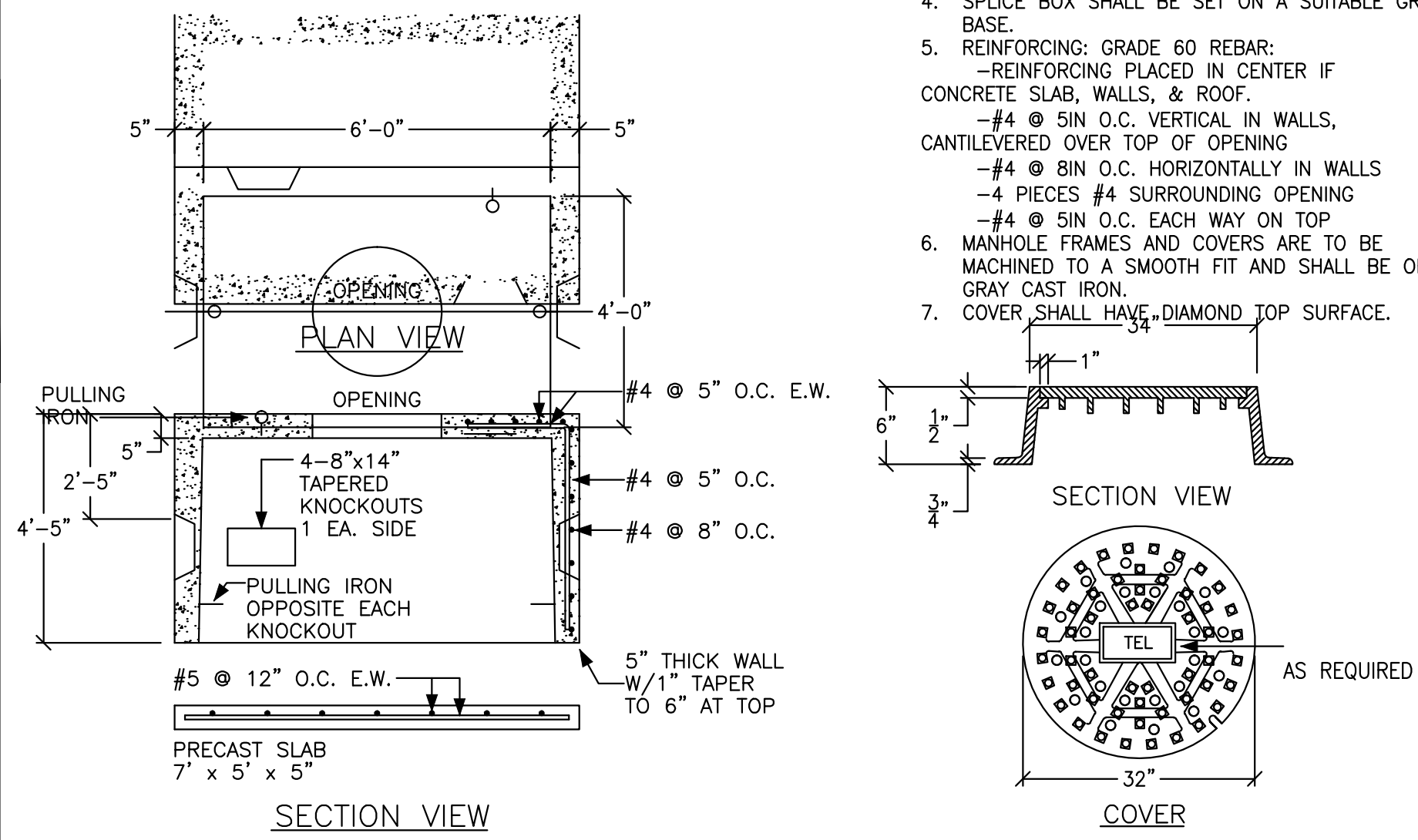
4



NOT TO SCALE

ELECTRICAL MANHOLE DETAIL

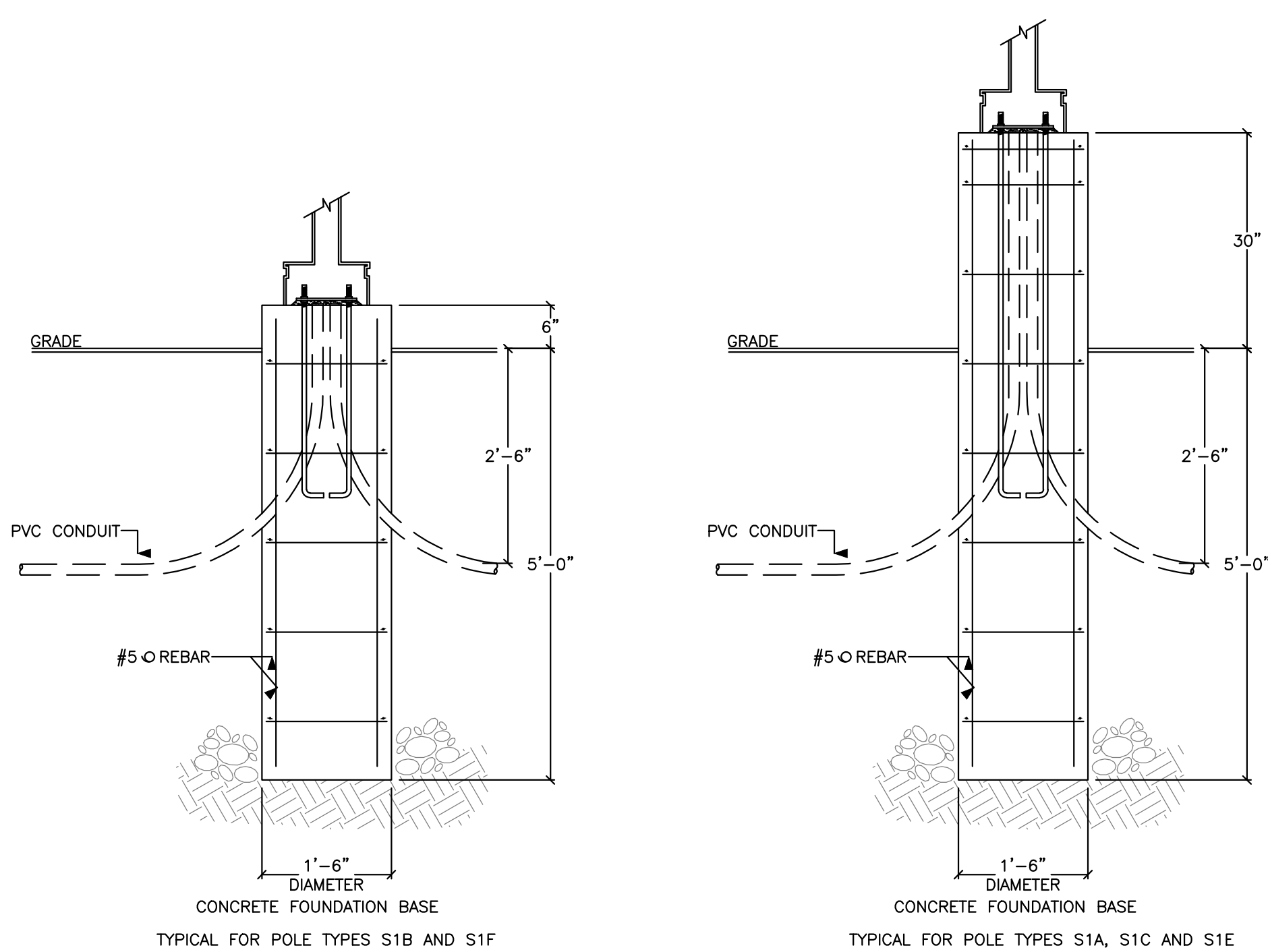
3



NOT TO SCALE

TELCOM MANHOLE DETAIL

2

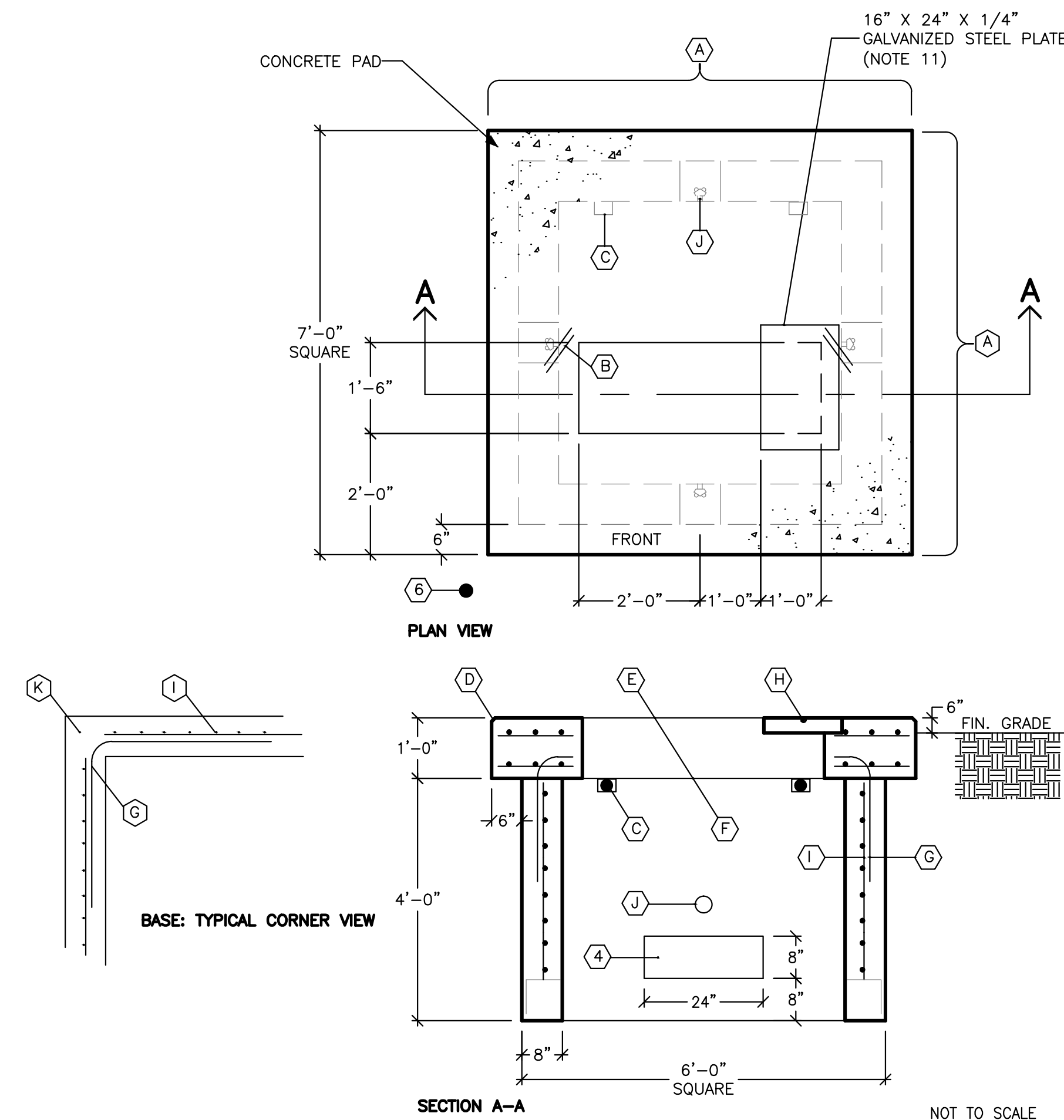


NOT TO SCALE

LIGHT POLE BASE DETAILS

5

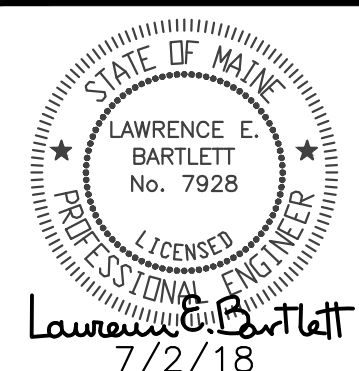
- TRANSFORMER PAD DETAIL NOTES:
- "FRONT" DENOTES THE SIDE ON WHICH THE ACCESS DOORS ARE LOCATED. THE CONCRETE BASE SHALL BE SET ON A SUITABLE GRAVEL BASE AND LOCATED SO THE FRONT IS ACCESSIBLE BY TRUCK AND SUITABLY PROTECTED FROM PLOW AND TRAFFIC DAMAGE.
  - BEFORE INSTALLING OR REQUIRING ANY ACTIVE DRAINAGE STRUCTURE (EG. DRAIN PIPE) INTO THE FOUNDATION OR PAD, THE CONTRACTOR, CMP LINE SUPERVISOR, OR CMP DISTRIBUTION ENGINEER MUST CONTACT CENTRAL MAINE POWER COMPANY'S ENVIRONMENTAL SERVICES DEPARTMENT AT 623-3521 EXT 3479 TO REQUEST A SITE INSPECTION.
  - FINISH GRADE SHALL BE GRADED IN SUCH A MANNER TO ALLOW SURFACE WATER TO FLOW AWAY FROM THE PAD.
  - PROVIDE 8" X 24" CABLE HOLES (BOND OUTS) 8" UP THE WALL FROM THE BASE. LOCATE ONE CABLE HOLE PER WALL, MORE IF NECESSARY. LINE UP CABLE HOLES WITH TRENCH.
  - CONDUITS ENTERING CONCRETE STRUCTURES SHALL BE SET BACK FROM THE INSIDE WALL 1 TO 2 INCHES AND THE SPACE WITHIN THE KNOCKOUT SURROUNDING THE CONDUITS COMPLETELY FILLED WITH MORTAR TO PREVENT SOIL FROM ENTERING STRUCTURE. INSIDE THE STRUCTURE THE MORTAR SHALL BE FINISHED AND BEVELED FROM THE CONDUIT ENDS TO THE INSIDE WALL FACE TO COVER AND SMOOTH THE EDGES OF THE KNOCKOUTS.
  - A 3/4" X 8'-0" GALVANIZED GROUND ROD IS TO BE INSTALLED SIX INCHES IN FRONT OF THE FRONT CORNER OF THE FOUNDATION. THE TOP OF THE GROUND IS TO BE 6" BELOW FINAL GRADE.
  - A GROUND WIRE SHALL BE INSTALLED FROM THE GROUND ROD THROUGH THE CABLE HOLE AT THE BOTTOM OF THE PAD. 10 FEET OF GROUND WIRE SHALL BE PROVIDED SO THAT IT CAN BE INSTALLED THROUGH THE TWO GROUNDING LUGS AND CONNECTED TO THE NEUTRAL SPADE.
  - CONCRETE COMPRESSION STRENGTH SHALL BE 4000 PSI @ 28 DAYS. FOR CAST IN PLACE. EARLY HIGH STRENGTH MAY BE USED WITH A MINIMUM OF SEVEN DAY CURE TIME.
  - REINFORCING STEEL TO HAVE: FY = 60 KSI.
  - FOR PRECAST UNITS: THE PRECAST SUPPLIER SHALL PROVIDE LIFTING LUGS IN THE SLAB (FOUNDATION) AND BASE; THE PRECAST SUPPLIER SHALL ASSEMBLE THE SLAB TO THE BASE PRIOR TO SHIPPING TO THE SITE TO ENSURE THAT THE SLAB AND THE BASE FIT PROPERLY (WITH NO ROCKING OF THE SLAB EVIDENT).
  - 1-16" X 24" X 1/4" GALVANIZED STEEL PLATE TO COVER A PORTION OF THE CABLE HOLE WHEN THE TRANSFORMER DOES NOT COMPLETELY COVER IT. CUT THE STEEL PLATE TO FIT IF NECESSARY.
- A. 7-#5 REBAR EVENLY SPACED EACH WAY TOP TO BOTTOM  
 B. 2-#4 CORNER DIAGONAL REBAR 2'-0" LONG TOP AND BOTTOM  
 C. 4" X 4" X 1/2" ANGLE 6" LONG WITH 2-3/4" DIAMETER EXPANSION ANCHORS TYPICAL - 4 PLACES (TWO PIECE PRECAST ONLY)  
 D. CHAMFER TYPICAL  
 E. 2" CONCRETE COVER OVER TOP REBAR  
 F. 3" CONCRETE COVER OVER BOTTOM REBAR  
 G. #5 L-BAR @ 12" (CAST IN PLACE ONLY)  
 H. 16" X 24" X 1/4" GALVANIZED STEEL PLATE. MID #600621790  
 I. #5 REBAR ON 12" CENTERS  
 J. PULLING EYE INSERT, FOR USE WITH 3/4" NATIONAL COURSE THREAD EYE-BOLT, (RICHMOND LCB-1 OR EQUIVALENT), LOCATED OPPOSITE EACH CABLE HOLE AND 2 FEET FROM THE BOTTOM.  
 K. ALL REBAR ENDS TO BE COVERED BY 1" OF CONCRETE MINIMUM.



NOT TO SCALE

SERVICE TRANSFORMER PAD DETAIL

1



project no. 18-0018  
 project JOHNSON ROAD PROPERTY  
 90 JOHNSON ROAD PORTLAND, MAINE  
 drawing title SITE LIGHTING CALCULATION RESULTS

date drawn: 06/22/18  
 date issued: 07/02/18  
 drawn by: LEB  
 scale: AS NOTED

Bartlett Design  
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E-1.3

sheet number