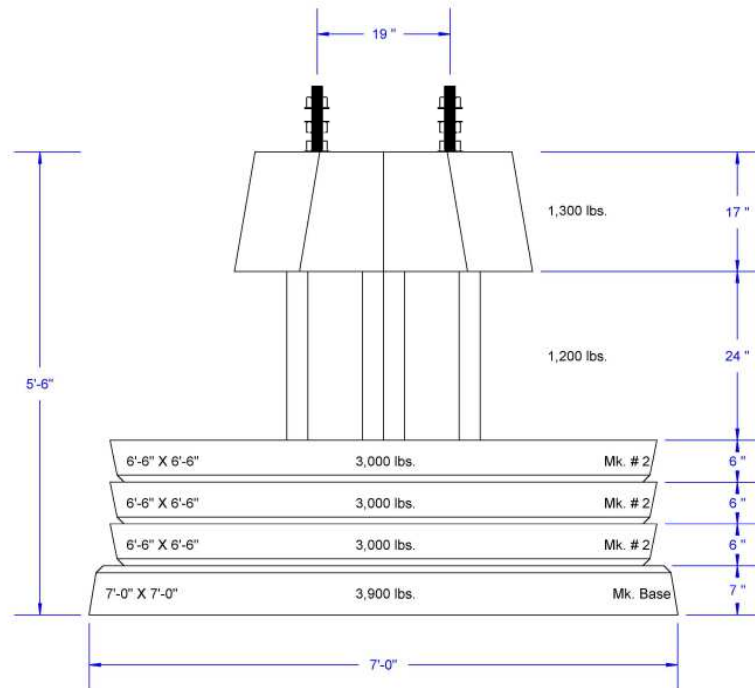




Dixie Precast, Inc.
DP-4B Single Mast Cantilever Foundation
Installation Instructions



1. Layout the foundation excavation area in compliance with railroad standards and/or state D.O.T. standards and specifications.



2. Determine the required depth of the excavation. The overall height of the DP-4B Foundation is 5'-6". Excavation depth should be made in accordance with specific railroad standards for the location of the top of the foundation (i.e. crown of the road, top of the tie, top of the rail, etc.).



3. Excavate for the foundation, allowing ample space for the installation of the base sections. The minimum excavation area should be 7'-0" X 7'-0". Several inches around the area should be excavated to facilitate proper alignment of the foundation. Level the bottom of the excavation to insure proper alignment of the foundation.



4. Locate and set the base section in place. The base section will be stenciled on two sides with the marking “Mk. DP-4B Base”. To lift, insert the lifting eyes into the inserts that are cast in the base section. Through the use of a four point sling or chain, hook each lifting eye and lower the base section into place. Note that the weight of each piece is stenciled on the piece.



5. Check the alignment of the base section with the track and/or road, making sure the base is aligned properly in accordance with the standards. Check the top of the base after installation for level and make any necessary adjustments by adding or removing fill material under the base. Remove the lifting eyes for reuse.



6. Install the anchor bolts into the foundation base. The anchor bolts will “bottom out” when installed properly. The base plate design eliminates the need to torque the bolts.



7. Sweep any debris from the top of the base section prior to the placement of the next piece. Locate one of the DP-4B Mk. # 2 sections. Secure the sling/chain to the cast in place lifting pockets for proper lifting. Set the # 2 section in place, aligning the anchor bolts with the bolt holes in the slab. The Bolt Alignment Tool allows the bolts to be safely adjusted to align with holes in the slab. Lower the # 2 section onto the base.



8. Sweep the top of each slab prior to setting the next piece. Repeat the process for the remaining # 2 sections.



9. The spider section is lifted through the use of the lifting eyes installed into the cast in place inserts. The spider should be set in place on top of the # 2 section. Orient the cable chute in the top of the spider to align with the direction the cable/conduit will be entering the mast.



10. The top is then lifted and set in place, again through the use of the lifting eyes. Align the cutout in the base of the top with the cable chute in the spider section. After the top has been set in place, install a flat washer, lock washer, and nut on each bolt. After tightening, install the lower leveling nuts and associated hardware prior to installation of the structure.

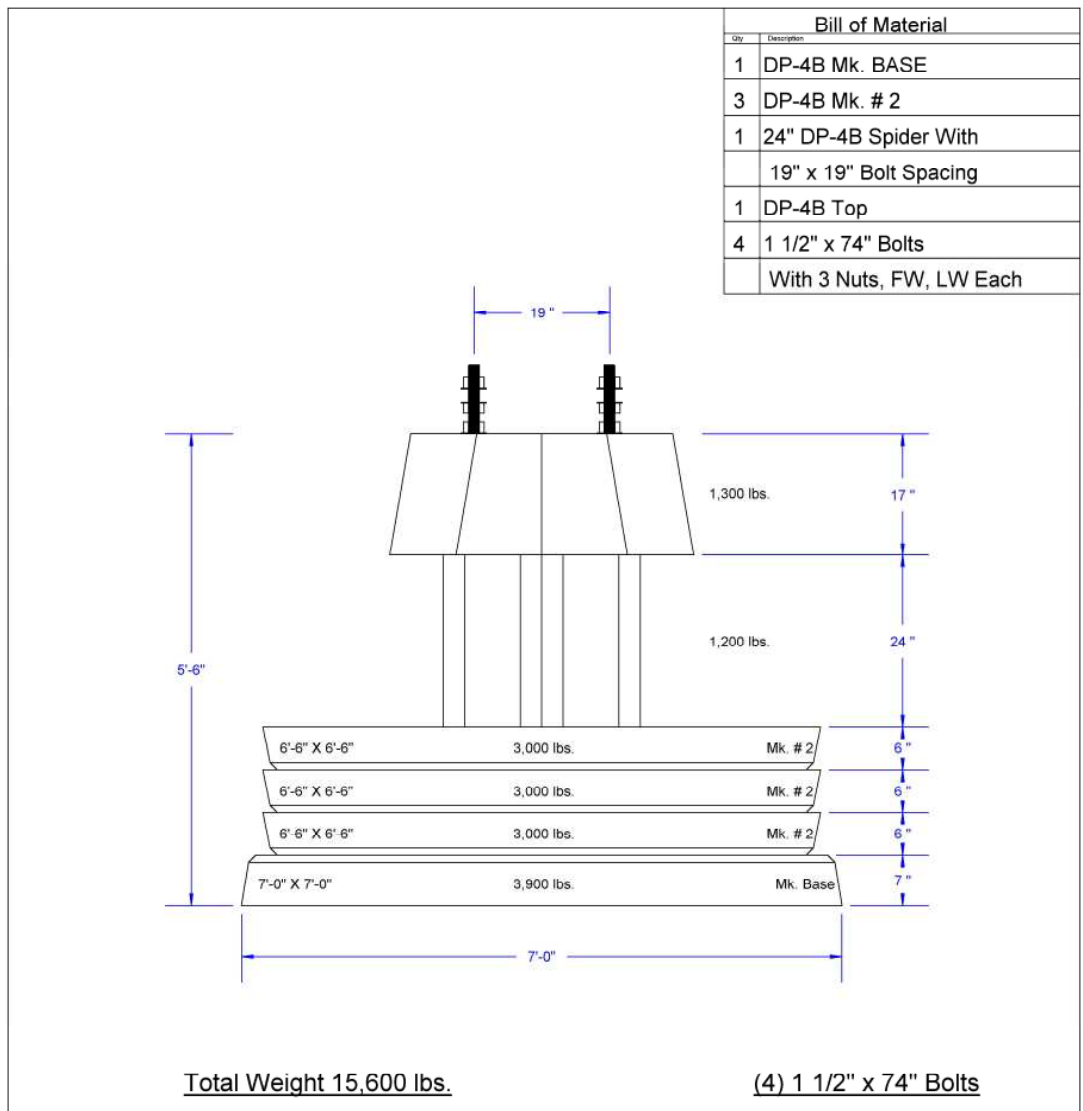


11. Backfill the foundation with the excavated material, tamping (can be accomplished with the backhoe bucket) the material to eliminate any voids and to reduce the settlement of the ground around the foundation.



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Elevation View