1. All dimensions are in millimeters unless otherwise noted.
2. Provide materials and workmanship in accordance with specifications publication 408.
3. Provide threaded steel inserts in accordance with ASTM designation A 29, grade B, with a carbon range of 0.15 - 0.20%.
4. Provide galvanized ASTM A 307 grade A cap screws and washers conforming to section 1105 of publication 408.
5. Provide epoxy coated insert assemblies.
6. Accurately set anchor assembly by template to the correct elevation and alignment, and trace opening against template. Then, check opening against template and adjust as necessary.
7. Provide threaded steel inserts in accordance with ASTM designation A 29, grade B, with a carbon range of 0.15 - 0.20%.
8. Provide material and workmanship in accordance with specifications publication 408.
9. Use the anchor assemblies as an alternative to cast-in-place anchor bolts or sleeve anchor assemblies for the following locations, at no additional cost to the department.
10. Use metric designations or other attached methods, when attaching aluminum base plate or post to concrete, to prevent electrical reaction between the two types of metal being used.
11. Use designations, projection, thread length and length of anchor bolts on design drawings.
12. Bolt diameter indicated on the drawings is nominal or basic bolt diameter.
CONSTRUCTION NOTES

1. SET ASSEMBLY OF TEMPLATE TO THE CORRECT ELEVATION AND ALIGNMENT AND Secure RECEPTACLE AGAINST DISPLACEMENT BEFORE THE SURROUNDING CONCRETE IS PLACED.

2. THE USE OF A BACK UP NUT OR PLATE, AS SHOWN IN DETAIL 2 OR 3, WILL FACILITATE SETTING OF ANCHOR BOLTS TO THEIR CORRECT ELEVATION AND ALIGNMENT. THE THREAD LENGTH OF ANCHOR BOLTS DEPENDS ON THE METHOD OF INSTALLATION CHOSEN BY THE CONTRACTOR.

3. TEMPLATE THICKNESS = BASE OR BASE PLATE THICKNESS

NOTE: EITHER ALL METRIC OR ALL ENGLISH VALUES MUST BE USED ON PLANS. METRIC AND ENGLISH VALUES SHOWN MAY NOT BE MIXED.

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION
BUREAU OF DESIGN

STANDARD
ANCHOR SYSTEMS

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