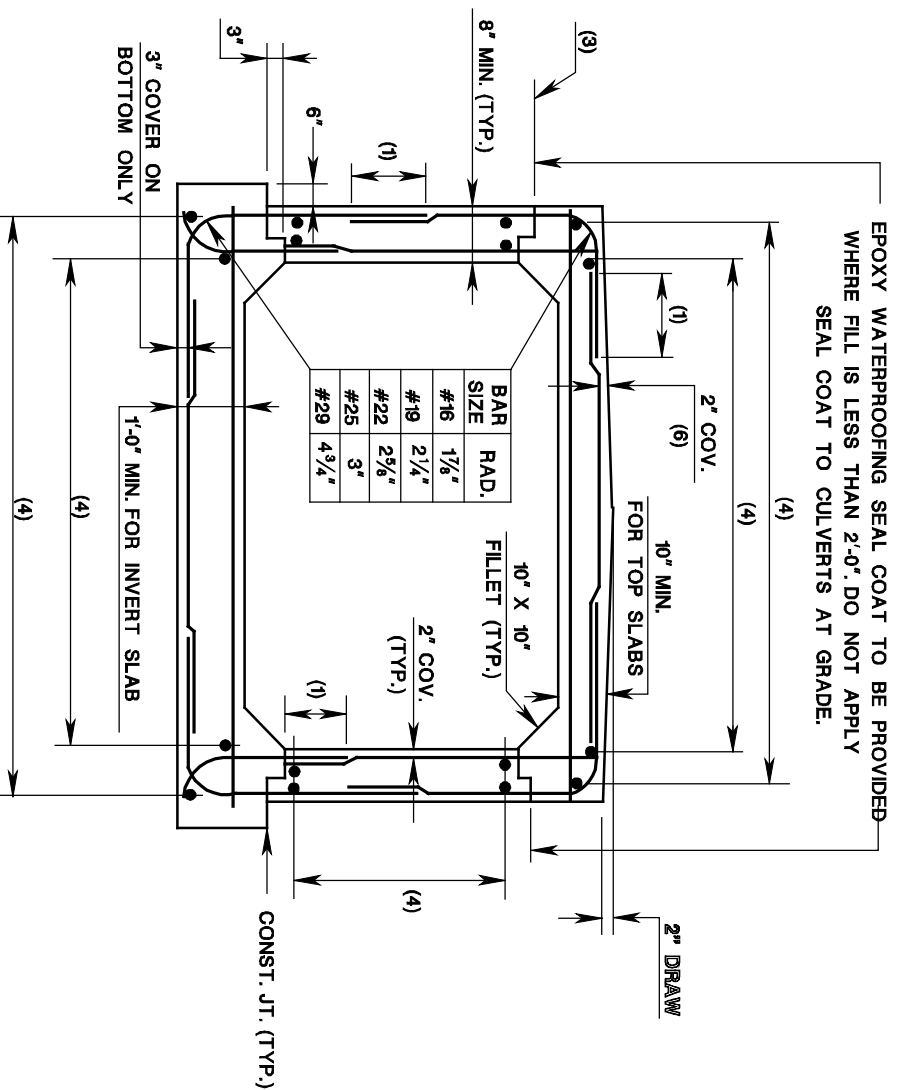


SINGLE CELL BOX CULVERT, CAST-IN-PLACE

ISSUED: 2009

PLATE
3.12-1



NOTES:

1. LAP SPLICE AND DEVELOPMENT LENGTHS SHALL BE DETERMINED BY THE DESIGNER.
2. WALL AND SLAB THICKNESSES SHOWN ABOVE ARE BASED ON AN 8'-0" WIDE BY 4'-0" HEIGHT CULVERT. INVERT SLAB THICKNESS IS EQUAL TO TOP SLAB THICKNESS PLUS 1".
3. SEE SUBSECTION 1.29.4.1 OF THIS MANUAL FOR JOINT REQUIREMENTS.
4. SIZE AND SPACING OF REBARS NOT DESIGNATED SHALL BE AS DETERMINED BY DESIGN TOP MAT REINFORCING IN THE TOP SLAB SHALL BE CORROSION PROTECTED IF THE FILL OVER THE CULVERT IS LESS THAN 2'-0".
5. MINIMUM COVER SHALL BE 2 1/2" IF CULVERT IS AT GRADE. 1/2" SHALL BE DEDUCTED FROM THE TOP SLAB THICKNESS IN THE DESIGN CALCULATIONS AS AN ALLOWANCE FOR THE DEPTH OF SAWCUT GROOVED FINISH AND WEAR.
6. FOR BEVEL INFORMATION SEE SECTION 29.4.8 OF THIS MANUAL.