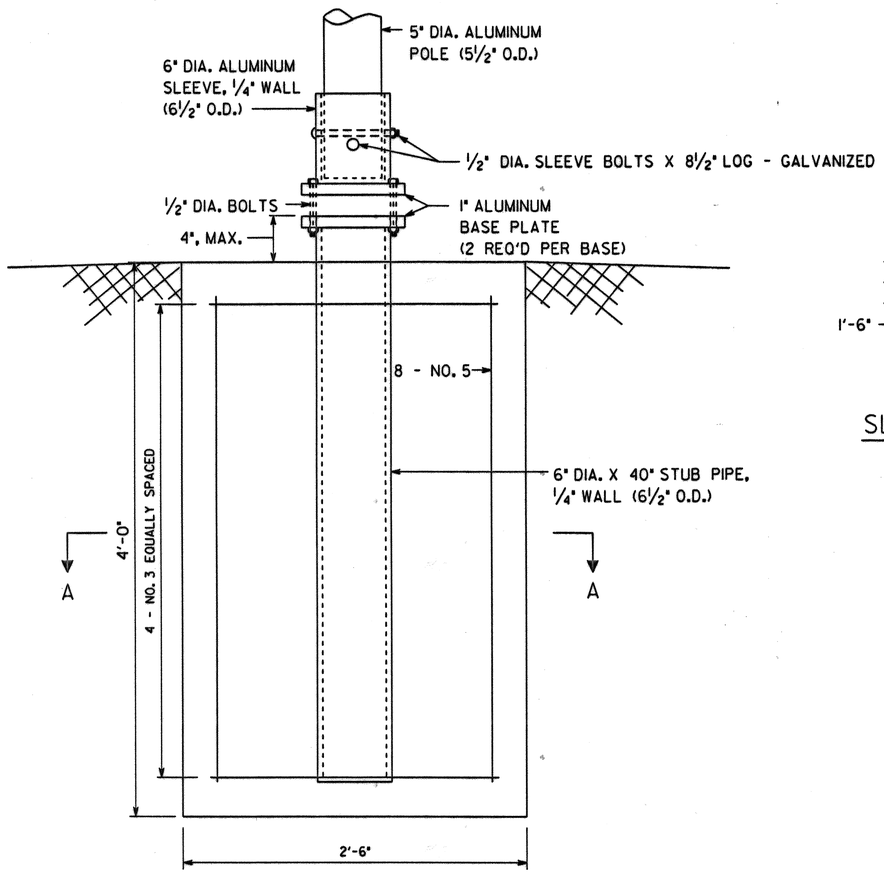
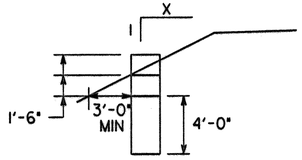
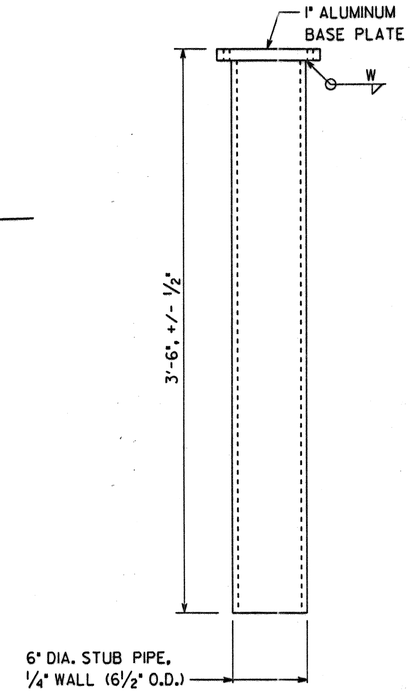
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	NHS-M001-00(269)	35	42



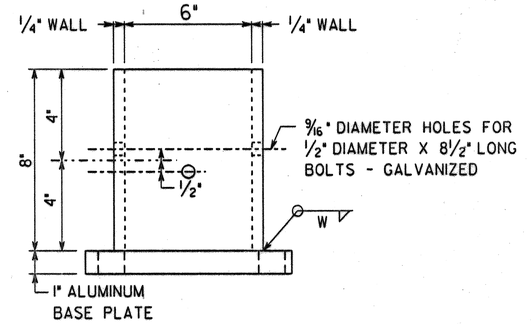
SLIP BASE AND FOOTING DETAIL

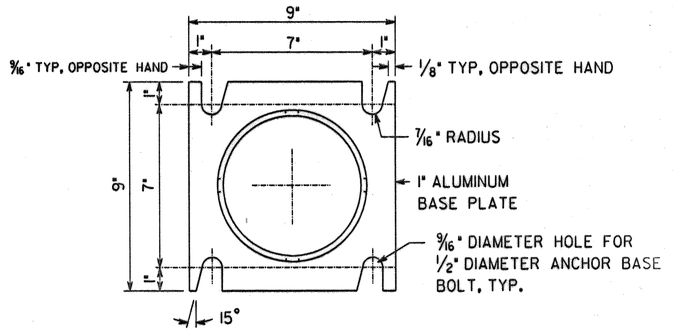


SLOPE DETAIL

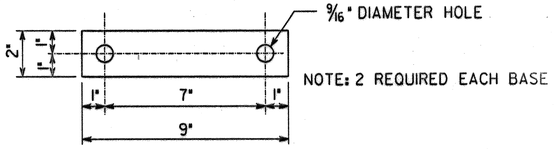


STUB DETAIL

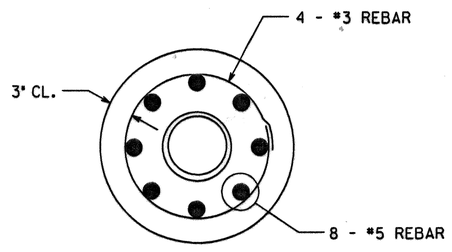




SLEEVE AND BASE PLATE DETAIL



.040 THICK ALUMINUM BOLT KEEPER DETAIL



SECTION A-A

NOTES:
1. ALL ALUMINUM MATERIALS TO BE GRADES 6061-T6 ALUMINUM
2. SLEEVE BOLTS SHALL BE ½" DIAMETER WITH LOCKNUTS. BOLTS SHALL BE GALVANIZED STEEL ~ ASTM A-307. BASE BOLTS SHALL BE ½" DIAMETER HIGH STRENGTH ASTM A-325. BOLTS SHALL BE GALVANIZED STEEL.
3. ASSEMBLE THE SLIP BASE CONNECTION IN THE FOLLOWING MANNER:
   CONNECT COLUMN TO SLEEVE USING TWO (2) ½" DIAMETER MACHINE BOLTS. ASSEMBLE TOP BASE PLATE TO STUB BASE USING HIGH STRENGTH BOLTS WITH THREE (3) HARDENED WASHERS PER BOLT. ONE (1) WASHER PER BOLT AND TWO (2) BOLT KEEPER PLATES GO BETWEEN THE BASE PLATES. USE SHIM STOCK AS REQUIRED TO PLUMB THE COLUMN. TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH A 300 mm TO 375 mm WRENCH TO BED THE WASHERSAND SHIMS AND TO CLEAR THE BOLT THREADS. LOOSEN EACH BOLT ONE (1) TURN AND RETIGHTEN TO THE PRESCRIBED TORQUE. BOLTS SHALL BE TIGHTENED WITH PROPERLY CALIBRATED WRENCHES UNDER THE SUPERVISION OF THE PROJECT ENGINEER. BURR THREADS AT JUNCTION WITH NUT USING A CENTER PUNCH OR COLD CHISEL TO PREVENT NUT LOOSENING.
4. USE GALVANIZED STEEL SHIMS TO OBTAIN A TIGHT FIT BETWEEN TH4E COLUMN FACE AND THE SLEEVE. PLACE SHIMS IN ALL QUADRANTS BETWEEN THE ½" DIAMETER SLEEVE BOLTS. THE SHIM LENGTH SHALL BE 1" SHORTER THAN SLEEVE HEIGHT.
5. CONCRETE SHALL BE CLASS "A".
6. REINFORCEMENT STEEL: GR 60, fy = 60,000 psi

GEORGIA DEPARTMENT OF TRANSPORTATION

SINGLE COLUMN GROUND SIGNS

DRAWN BY: ERM	DATE:
CHKD BY:	SHEET 4 OF 4