ELECTRICAL SYSTEMS
(INTERNALLY ILLUMINATED STREET NAME SIGN)

NO SCALE

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

2010 STANDARD PLAN ES-7P

TYPE B SIGN
DETAIL B

SECTION B-B

SIGN MOUNTING
DETAIL H

LEGEND:
1. LOWER MOUNTING ASSEMBLY WITH GASKET, UPER MOUNTING ASSEMBLY.
2. ROD, 1/4" STEEL.
3. LOCKING PIN, STEEL.
4. WASHER, STAINLESS STEEL.
5. FLAT WASHER, STAINLESS STEEL.
6. FLAME SPRAY, ALUMINUM.
7. REFLECTOR, 0.040" MINIMUM THICKNESS.
8. MOUNTING BOLT, 1/4" # STEEL, WITH NUT AND LOCKWASHER.
9. BUSHING, BRONZE.
10. ROD, 1/4" STEEL.
11. FLUORESCENT BALLAST (2 REQUIRED).
12. LAMP, F72T12CW FOR 6'-0" SIGN, F86T12CW FOR 8'-0" SIGN
13. LAMP HOLDER.
14. LAMP HOLDER TURRET.
15. CORD CONNECTOR, 4" LONG, STAINLESS STEEL.
16. BEND, 90°, STAINLESS STEEL.
17. MOUNTING TERMINAL COMPARTMENT.
18. CORD CONNECTOR, 90° ANGLE CONNECTOR AT THE SIGN TERMINAL BLOCK TO SIGNAL HEAD.
19. CORD CONNECTOR, 90° ANGLE CONNECTOR AT THE SIGN PLACEMENT.
20. THERMAL SCREW, 1/4" MINIMUM TWO PER SIDE ON 4'-0" CENTERS.
21. REFLECTOR, 0.040" MINIMUM THICKNESS.
22. FLAT WASHER, STAINLESS STEEL.
23. BOLT, 1/4" # STEEL, WITH NUT AND LOCKWASHER, OR SELF-LOCKING NUT AND COTTER KEY.
24. CONTINUOUS RINGE.
25. MOUNTING BOLT, 1/4" # STEEL, WITH NUT AND LOCKWASHER, OR SELF-LOCKING NUT AND COTTER KEY.
26. LAMP, F96T12CW FOR 8'-0" SIGN
27. REFLECTOR, 0.040" MINIMUM THICKNESS.
28. MOUNTING TERMINAL COMPARTMENT.
29. CONTINUOUS HINGE.
30. THUMB SCREW, 1/4" MINIMUM ON WALL, 1/2" MINIMUM ON WALL, 1/2" MINIMUM.

SIGN PLACEMENT
DETAIL C

SECTION A-A

SIGN MOUNTING
DETAIL H

LEGEND:
1. LOWER MOUNTING ASSEMBLY WITH GASKET, UPER MOUNTING ASSEMBLY.
2. ROD, 1/4" STEEL.
3. LOCKING PIN, STEEL.
4. WASHER, STAINLESS STEEL.
5. FLAT WASHER, STAINLESS STEEL.
6. FLAME SPRAY, ALUMINUM.
7. REFLECTOR, 0.040" MINIMUM THICKNESS.
8. MOUNTING BOLT, 1/4" # STEEL, WITH NUT AND LOCKWASHER.
9. BUSHING, BRONZE.
10. ROD, 1/4" STEEL.
11. FLUORESCENT BALLAST (2 REQUIRED).
12. LAMP, F72T12CW FOR 6'-0" SIGN, F86T12CW FOR 8'-0" SIGN
13. LAMP HOLDER.
14. LAMP HOLDER TURRET.
15. CORD CONNECTOR, 4" LONG, STAINLESS STEEL.
16. BEND, 90°, STAINLESS STEEL.
17. MOUNTING TERMINAL COMPARTMENT.
18. CORD CONNECTOR, 90° ANGLE CONNECTOR AT THE SIGN TERMINAL BLOCK TO SIGNAL HEAD.
19. CORD CONNECTOR, 90° ANGLE CONNECTOR AT THE SIGN PLACEMENT.
20. THERMAL SCREW, 1/4" MINIMUM TWO PER SIDE ON 4'-0" CENTERS.
21. REFLECTOR, 0.040" MINIMUM THICKNESS.
22. FLAT WASHER, STAINLESS STEEL.
23. BOLT, 1/4" # STEEL, WITH NUT AND LOCKWASHER, OR SELF-LOCKING NUT AND COTTER KEY.
24. CONTINUOUS RINGE.
25. MOUNTING BOLT, 1/4" # STEEL, WITH NUT AND LOCKWASHER, OR SELF-LOCKING NUT AND COTTER KEY.
26. LAMP, F96T12CW FOR 8'-0" SIGN
27. REFLECTOR, 0.040" MINIMUM THICKNESS.
28. MOUNTING TERMINAL COMPARTMENT.
29. CONTINUOUS HINGE.
30. THUMB SCREW, 1/4" MINIMUM ON WALL, 1/2" MINIMUM ON WALL, 1/2" MINIMUM.

SIGN MOUNTING
DETAIL H

LEGEND:
1. LOWER MOUNTING ASSEMBLY WITH GASKET, UPER MOUNTING ASSEMBLY.
2. ROD, 1/4" STEEL.
3. LOCKING PIN, STEEL.
4. WASHER, STAINLESS STEEL.
5. FLAT WASHER, STAINLESS STEEL.
6. FLAME SPRAY, ALUMINUM.
7. REFLECTOR, 0.040" MINIMUM THICKNESS.
8. MOUNTING BOLT, 1/4" # STEEL, WITH NUT AND LOCKWASHER.
9. BUSHING, BRONZE.
10. ROD, 1/4" STEEL.
11. FLUORESCENT BALLAST (2 REQUIRED).
12. LAMP, F72T12CW FOR 6'-0" SIGN, F86T12CW FOR 8'-0" SIGN
13. LAMP HOLDER.
14. LAMP HOLDER TURRET.
15. CORD CONNECTOR, 4" LONG, STAINLESS STEEL.
16. BEND, 90°, STAINLESS STEEL.
17. MOUNTING TERMINAL COMPARTMENT.
18. CORD CONNECTOR, 90° ANGLE CONNECTOR AT THE SIGN TERMINAL BLOCK TO SIGNAL HEAD.
19. CORD CONNECTOR, 90° ANGLE CONNECTOR AT THE SIGN PLACEMENT.
20. THERMAL SCREW, 1/4" MINIMUM TWO PER SIDE ON 4'-0" CENTERS.
21. REFLECTOR, 0.040" MINIMUM THICKNESS.