Fabrication Details – Strain Poles

Section A-A

Radial Orientation for Factory Installed Accessories at Top of Pole

Section B-B

Pole Base Plate Details
(8 and 12 Bolt Pattern)

Section C-C

(Pole Attachment to Base Plate)

Full-Penetration Groove Weld Detail

Back-up Ring

Monotube Strain Pole

270

180

120

90

60

30

90

180

270

360

Galvanized threaded plug
(Typ. for all couplings)

Outer pole wall

Cable Entrances at Top of Pole

Opening for Conduits

Base Plate Opening

See Note No.1

Backing Ring

45° Min. (Typ.)

15° Min. (Typ.)

Anchor Bolt Holes

Bolt Circle "B.C.",

2 Cable Clamps designed for variable attachment heights from 1'-6" to 5'-0" below the top of the pole.

Note:
1. Opening in pole base plate shall be equal to pole base inside diameter minus 3½" but shall not be less than 8½".

180°

T = Wall Thickness

R = .44" + T

(Galv. for all couplings)

Typ.

1" Half Coupling with Internal Threads

"C" Hook @ 45° (Typ.)

2" Half Coupling with Internal Threads

Shaft I.D. Tag

(Si. See drawing M2 for details)

Openings for Conduits

Terminal Compartment

(See drawing M2 for details)

Anchor Bolt

(See also drawing M2 for details)

Silicone Caulking

Full Pen. Weld

For details)

(B.C. M2)

Opening for Conduit

Note: See Note No.1

Accessories at Top of Pole

1.Opening in pole base plate shall be equal to pole base inside diameter minus 3½" but shall not be less than 8½".

2. For variable attachment heights from 1'-6" to 5'-0" below the top of the pole.


4. Terminal Compartment.

5. Anchor Bolt.


7. Full Pen. Weld.

8. Opening for Conduits


10. Shaft I.D. Tag.

11. Silcone Caulking.


15. Shaft I.D. Tag.

16. Silcone Caulking.


18. Opening for Conduits.

19. Anchor Bolt.


21. Silcone Caulking.

22. Full Pen. Weld.

23. Opening for Conduits.


26. Silcone Caulking.

27. Full Pen. Weld.

28. Opening for Conduits.

29. Anchor Bolt.

30. Shaft I.D. Tag.

31. Silcone Caulking.

32. Full Pen. Weld.

33. Opening for Conduits.

34. Anchor Bolt.

35. Shaft I.D. Tag.

36. Silcone Caulking.

37. Full Pen. Weld.

38. Opening for Conduits.

39. Anchor Bolt.

40. Shaft I.D. Tag.

41. Silcone Caulking.

42. Full Pen. Weld.

43. Opening for Conduits.

44. Anchor Bolt.

45. Shaft I.D. Tag.

46. Silcone Caulking.

47. Full Pen. Weld.

48. Opening for Conduits.

49. Anchor Bolt.

50. Shaft I.D. Tag.

51. Silcone Caulking.

52. Full Pen. Weld.

53. Opening for Conduits.

54. Anchor Bolt.

55. Shaft I.D. Tag.

56. Silcone Caulking.

57. Full Pen. Weld.

58. Opening for Conduits.

59. Anchor Bolt.

60. Shaft I.D. Tag.

61. Silcone Caulking.


63. Opening for Conduits.

64. Anchor Bolt.

65. Shaft I.D. Tag.

66. Silcone Caulking.


68. Opening for Conduits.

69. Anchor Bolt.

70. Shaft I.D. Tag.

71. Silcone Caulking.

72. Full Pen. Weld.

73. Opening for Conduits.

74. Anchor Bolt.

75. Shaft I.D. Tag.

76. Silcone Caulking.

77. Full Pen. Weld.

78. Opening for Conduits.

79. Anchor Bolt.

80. Shaft I.D. Tag.

81. Silcone Caulking.

82. Full Pen. Weld.

83. Opening for Conduits.

84. Anchor Bolt.