

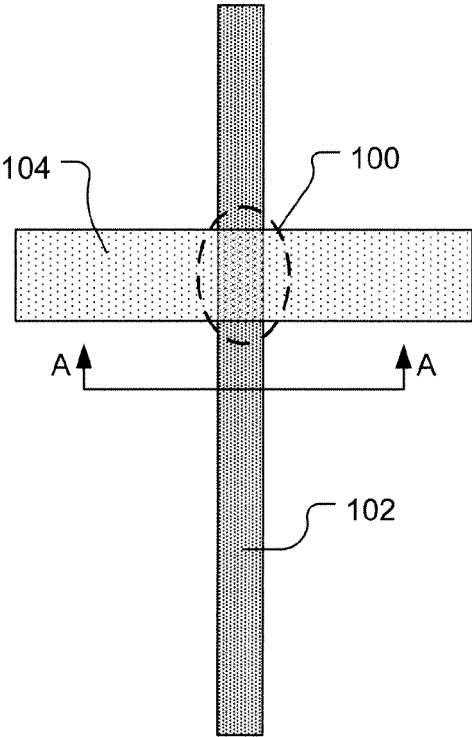
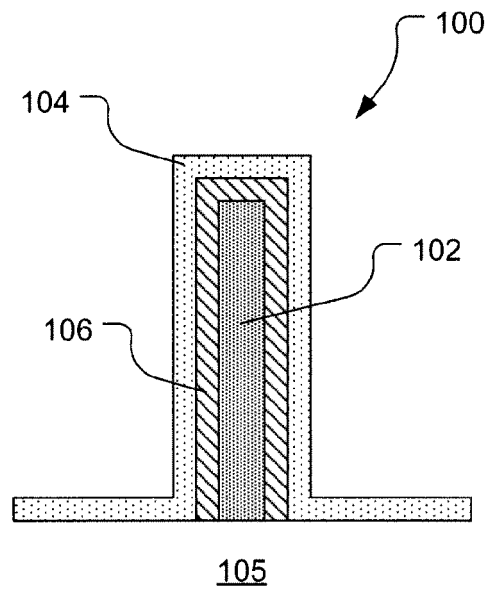


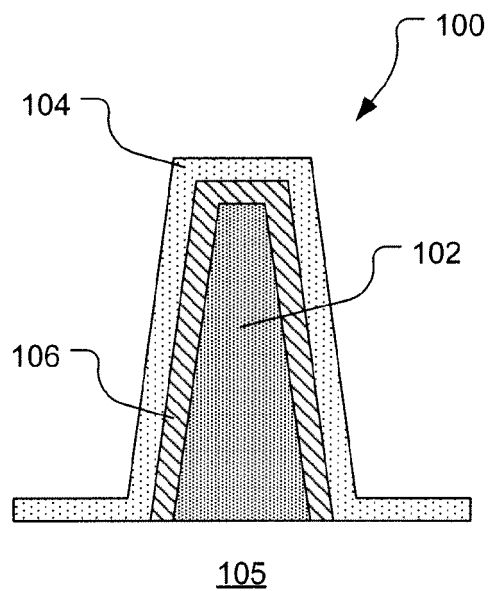
Fig. 1A

2/164



View A-A

Fig. 1B



View A-A

Fig. 1C

3/164

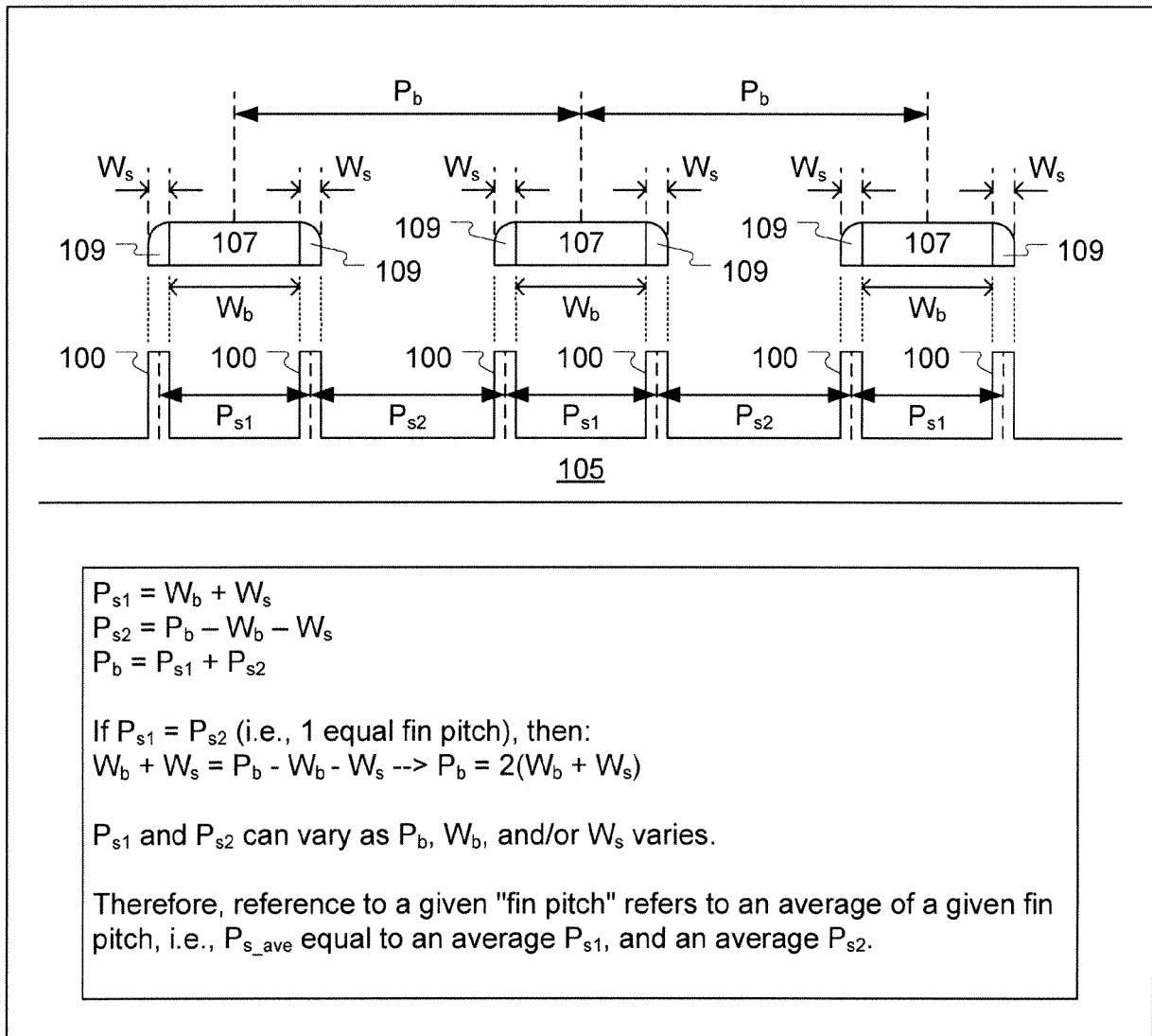


Fig. 1D

4/164

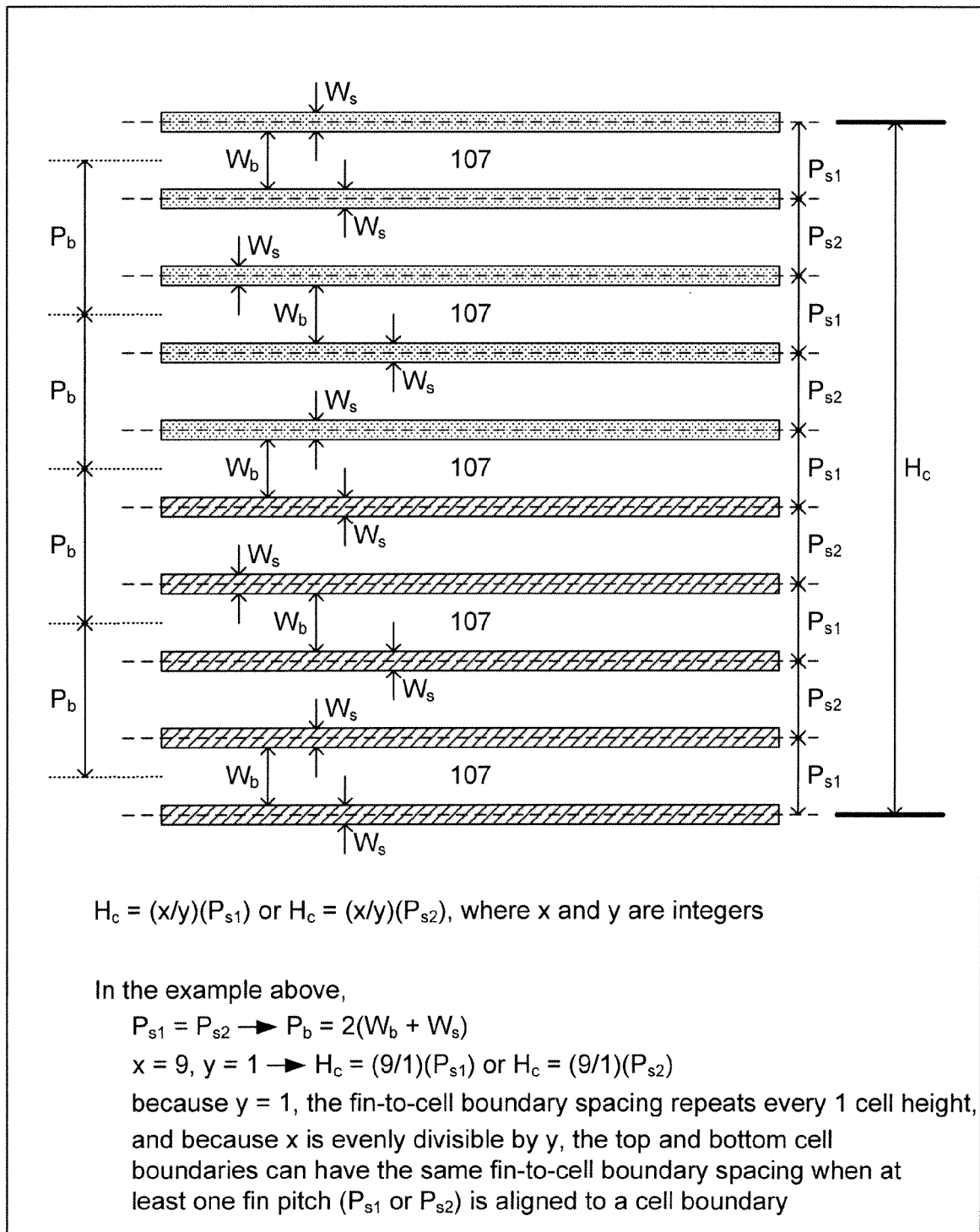


Fig. 1E

5/164

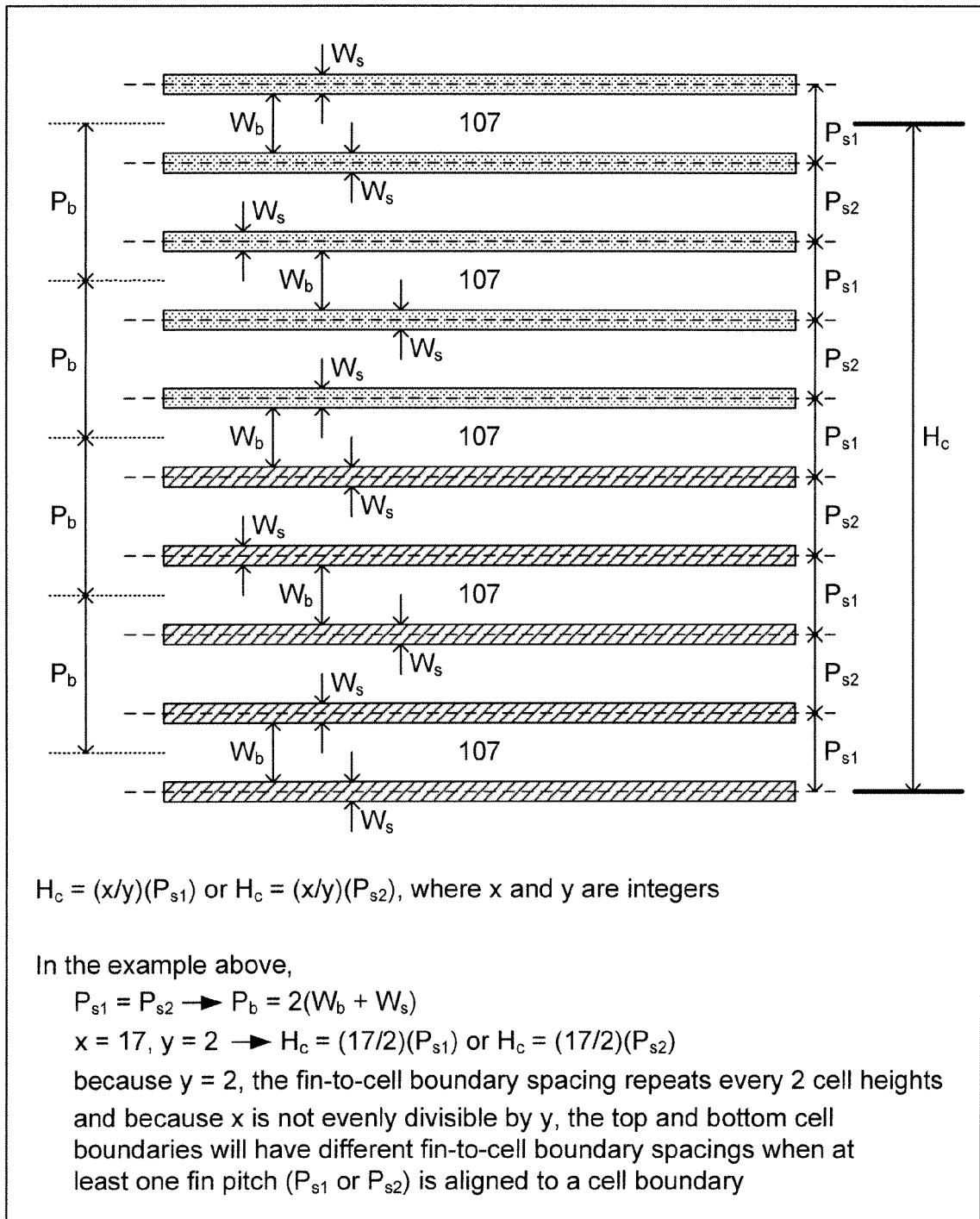


Fig. 1F

6/164

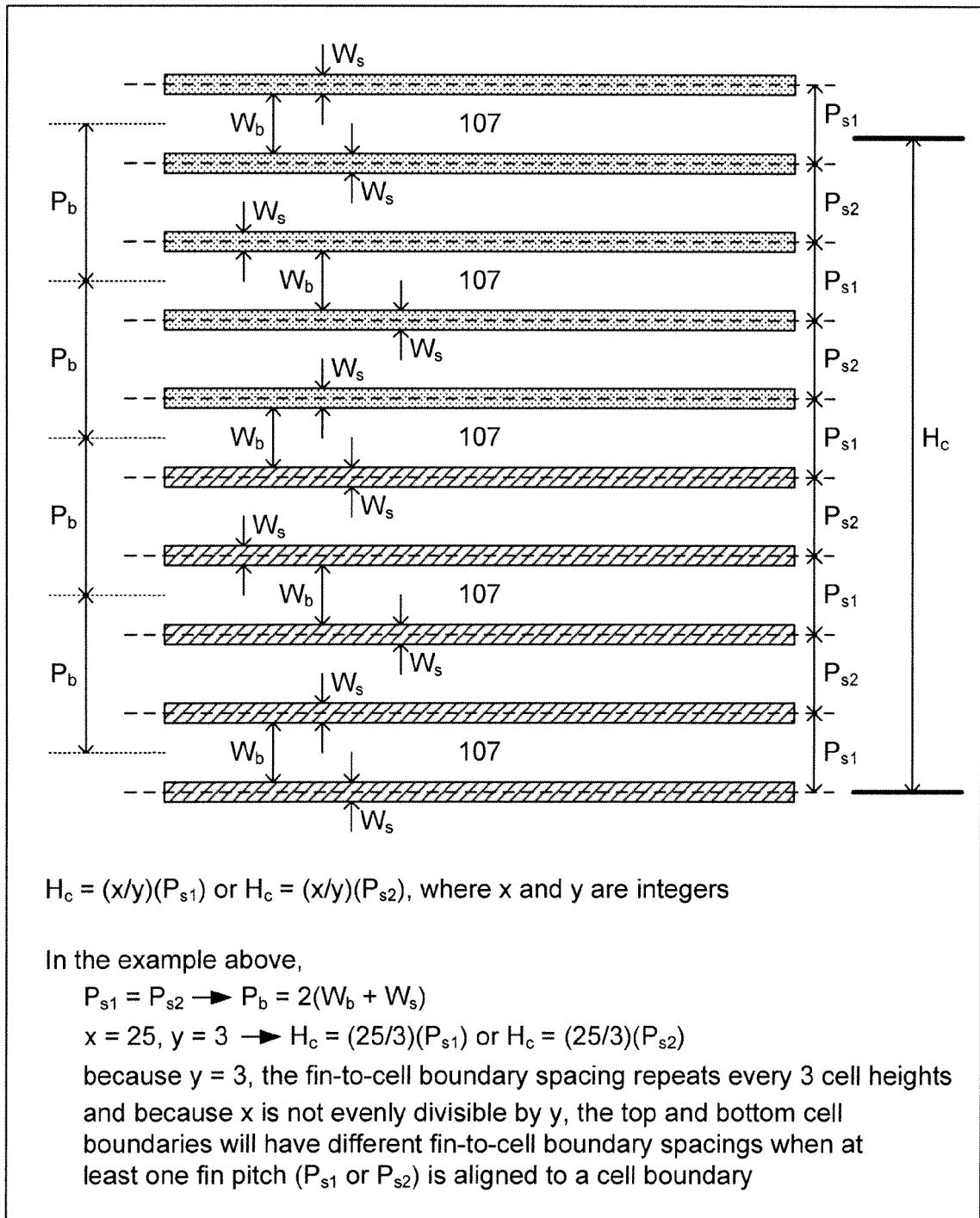


Fig. 1G

7/164

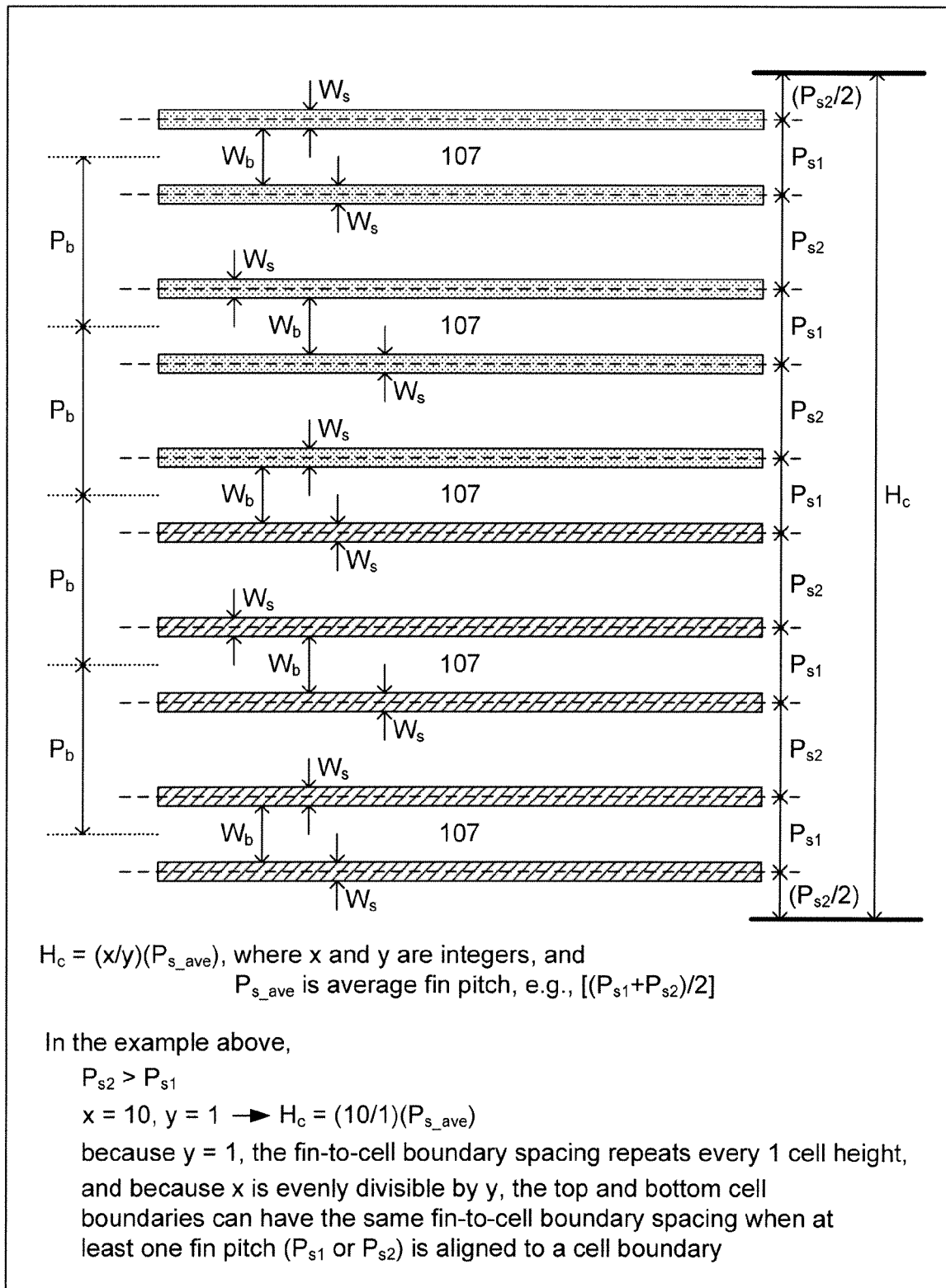


Fig. 1H

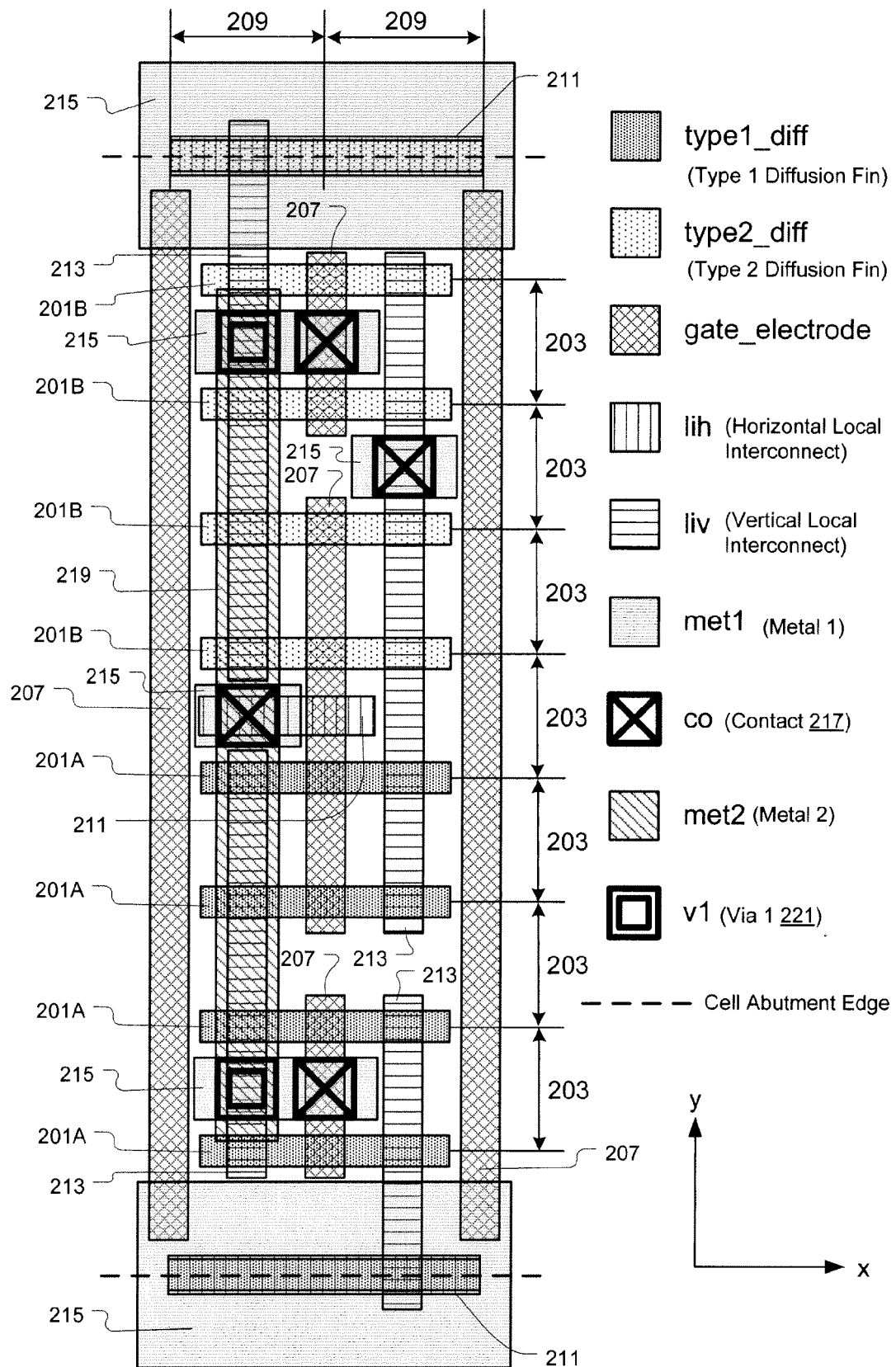
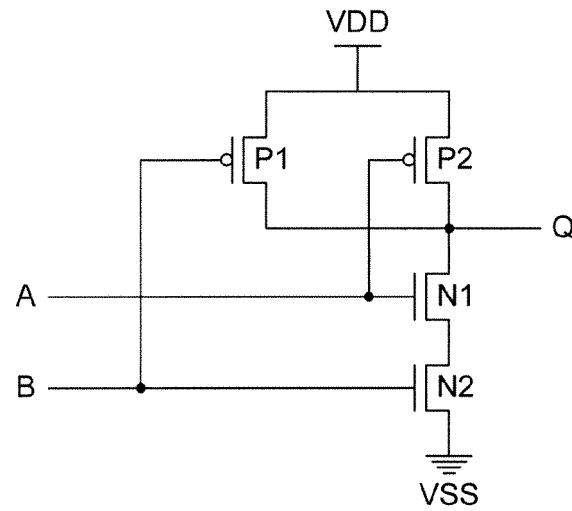


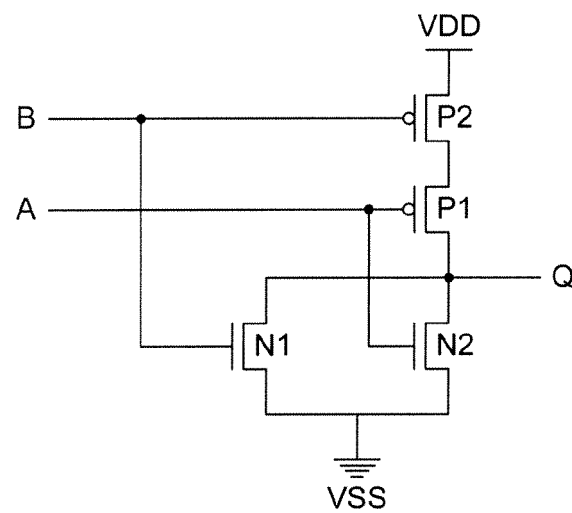
Fig. 2A

9/164



(NAND Circuit)

Fig. 2B



(NOR Circuit)

Fig. 2C

10/164

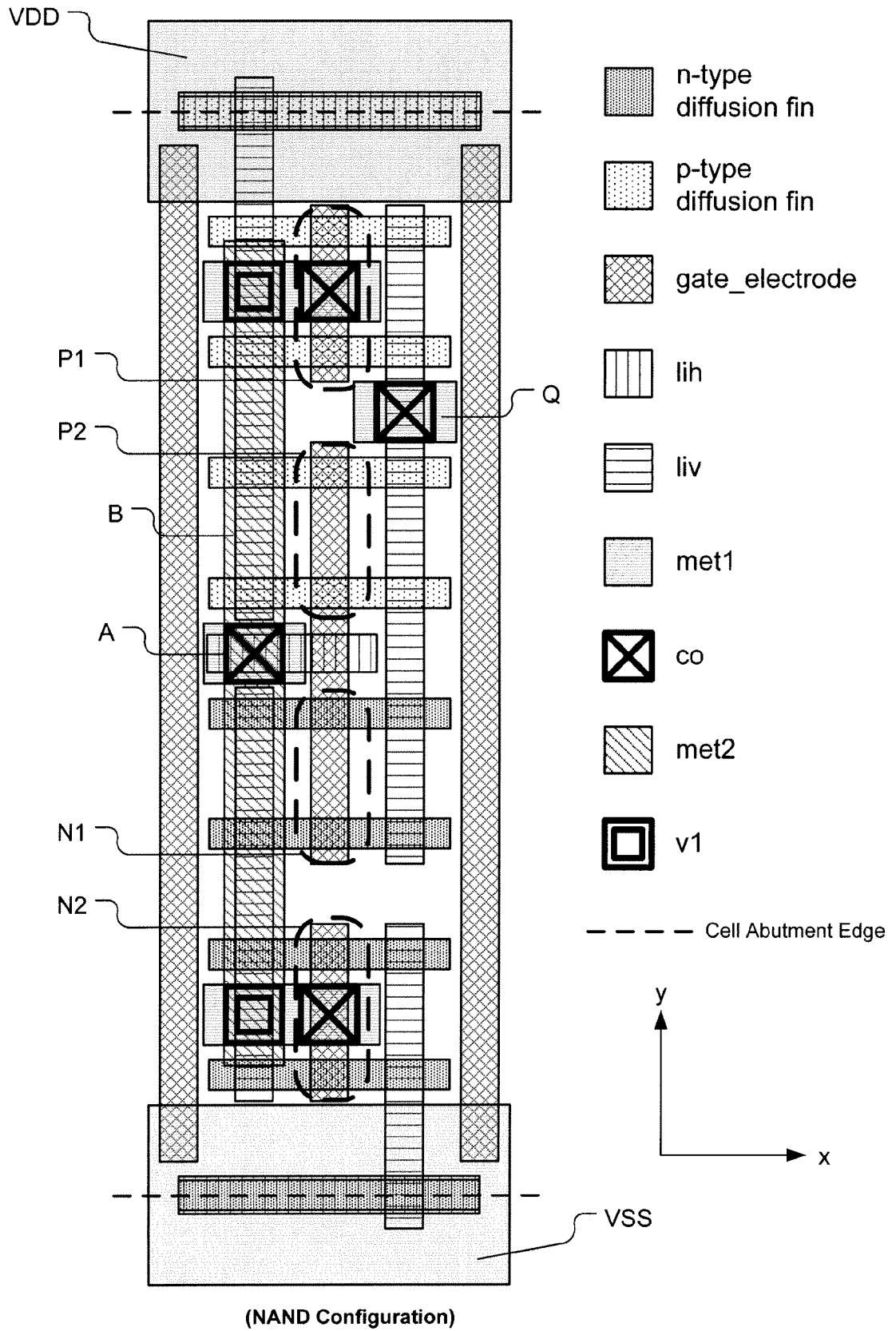
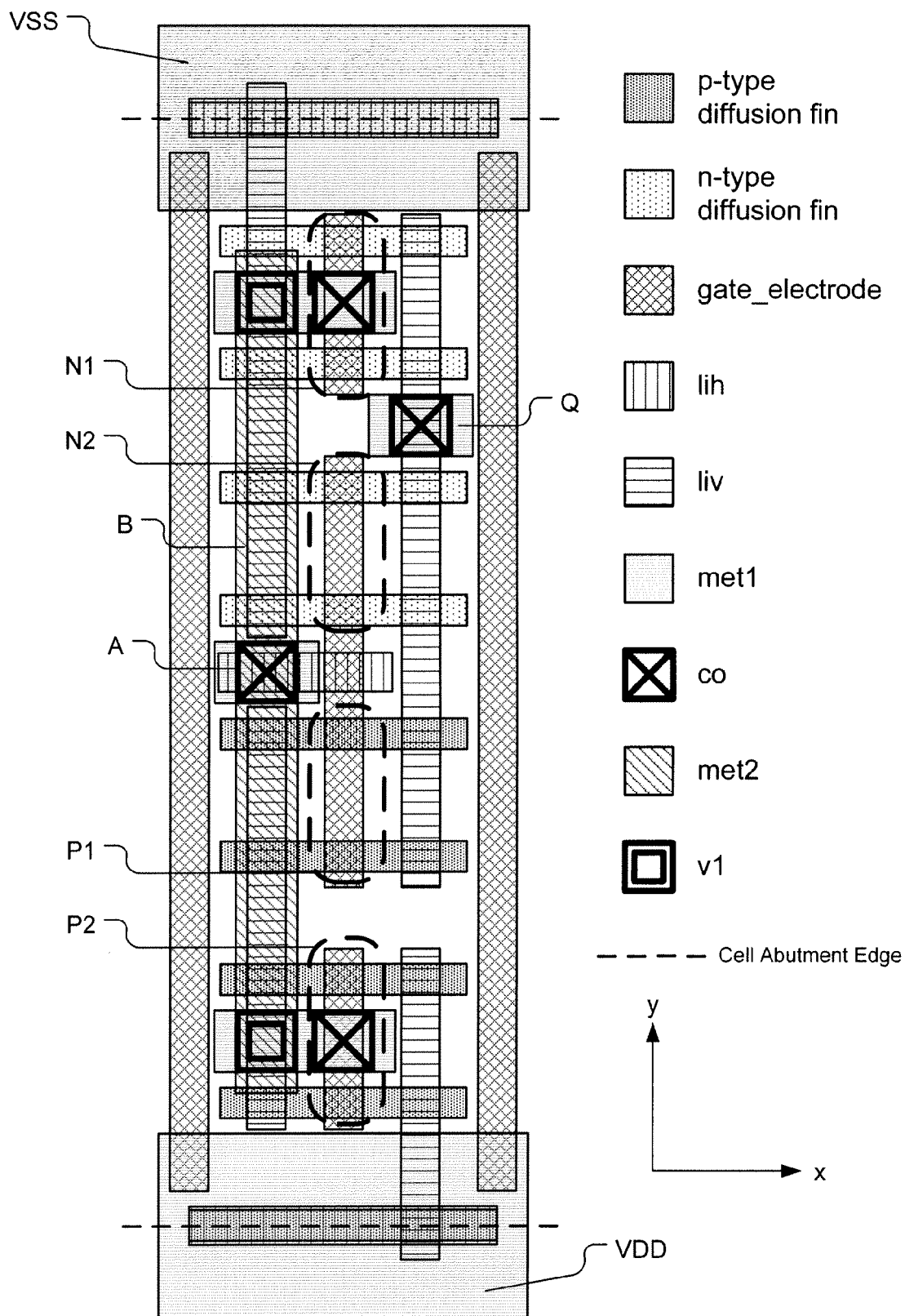


Fig. 2D

11/164



(NOR Configuration)

Fig. 2E

12/164

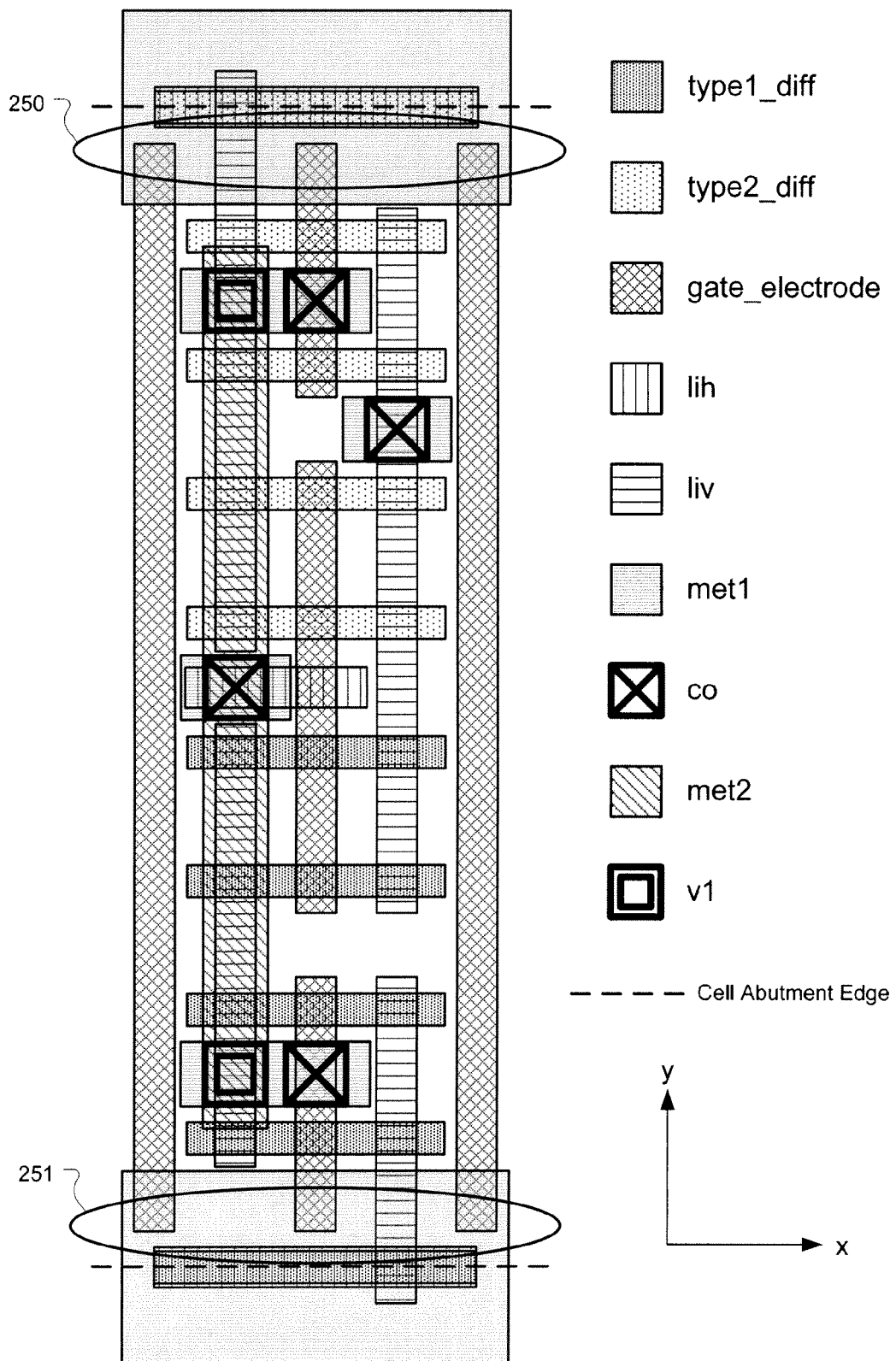


Fig. 2F

13/164

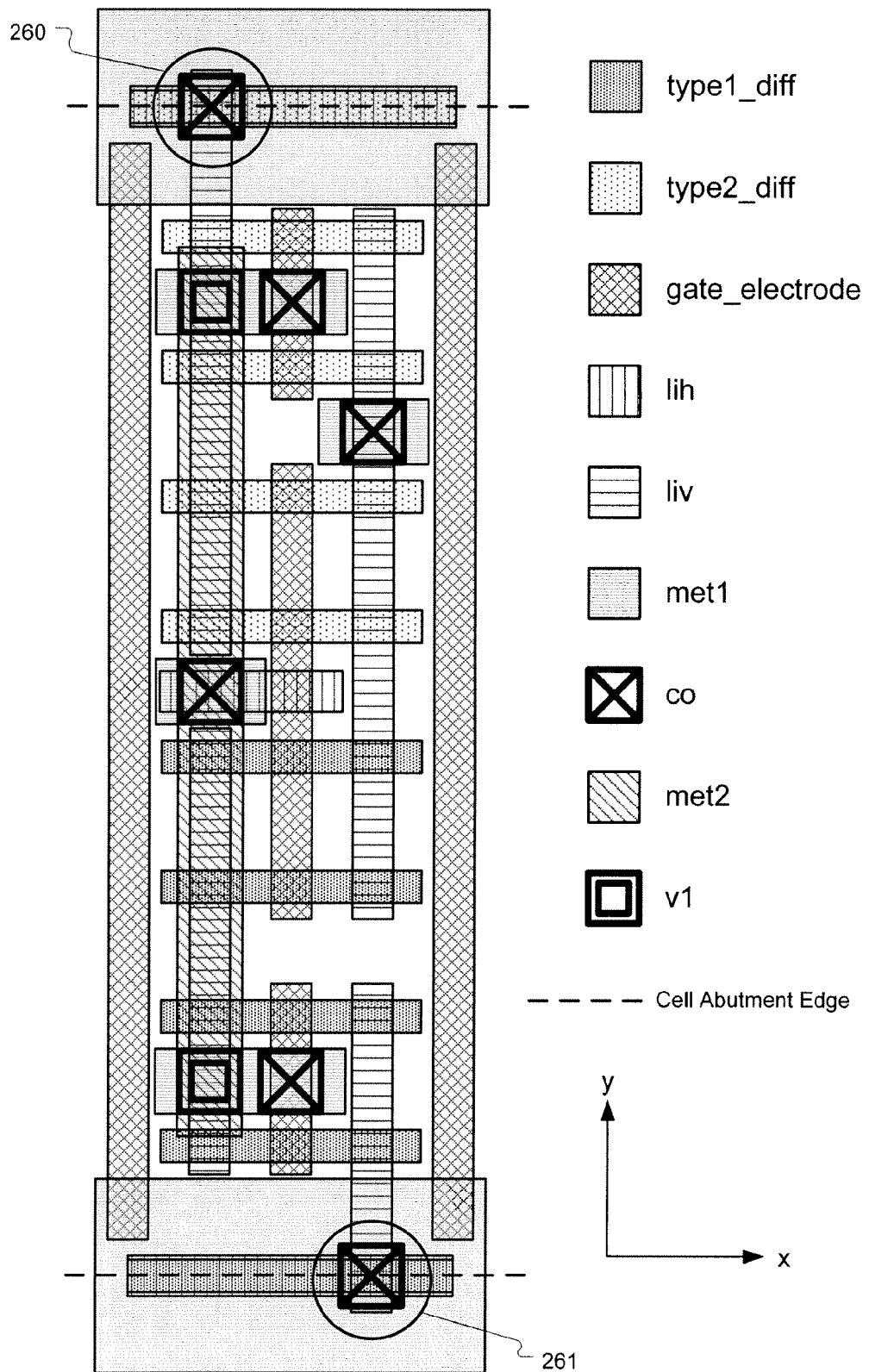


Fig. 2G

14/164

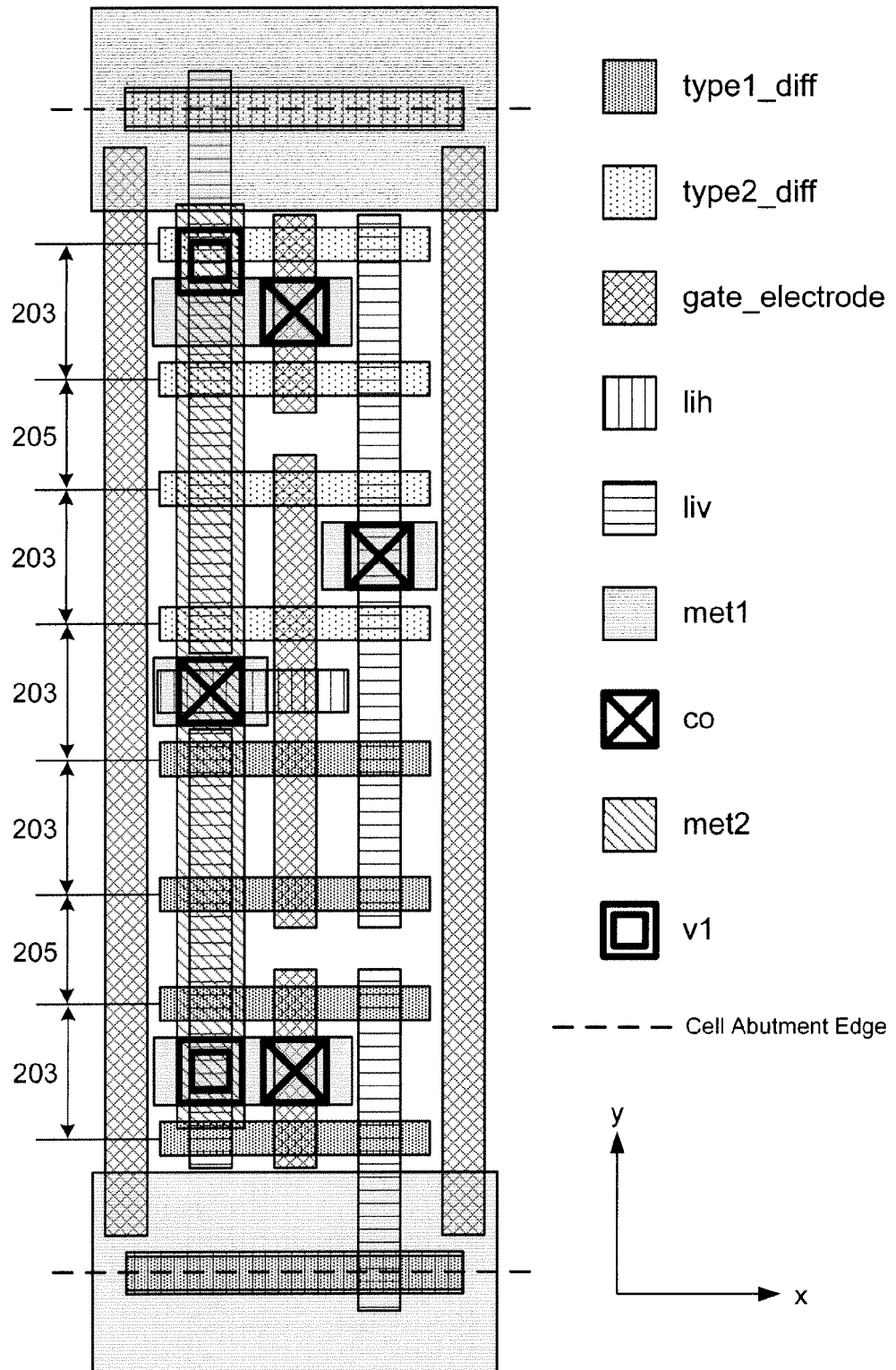


Fig. 2H

15/164

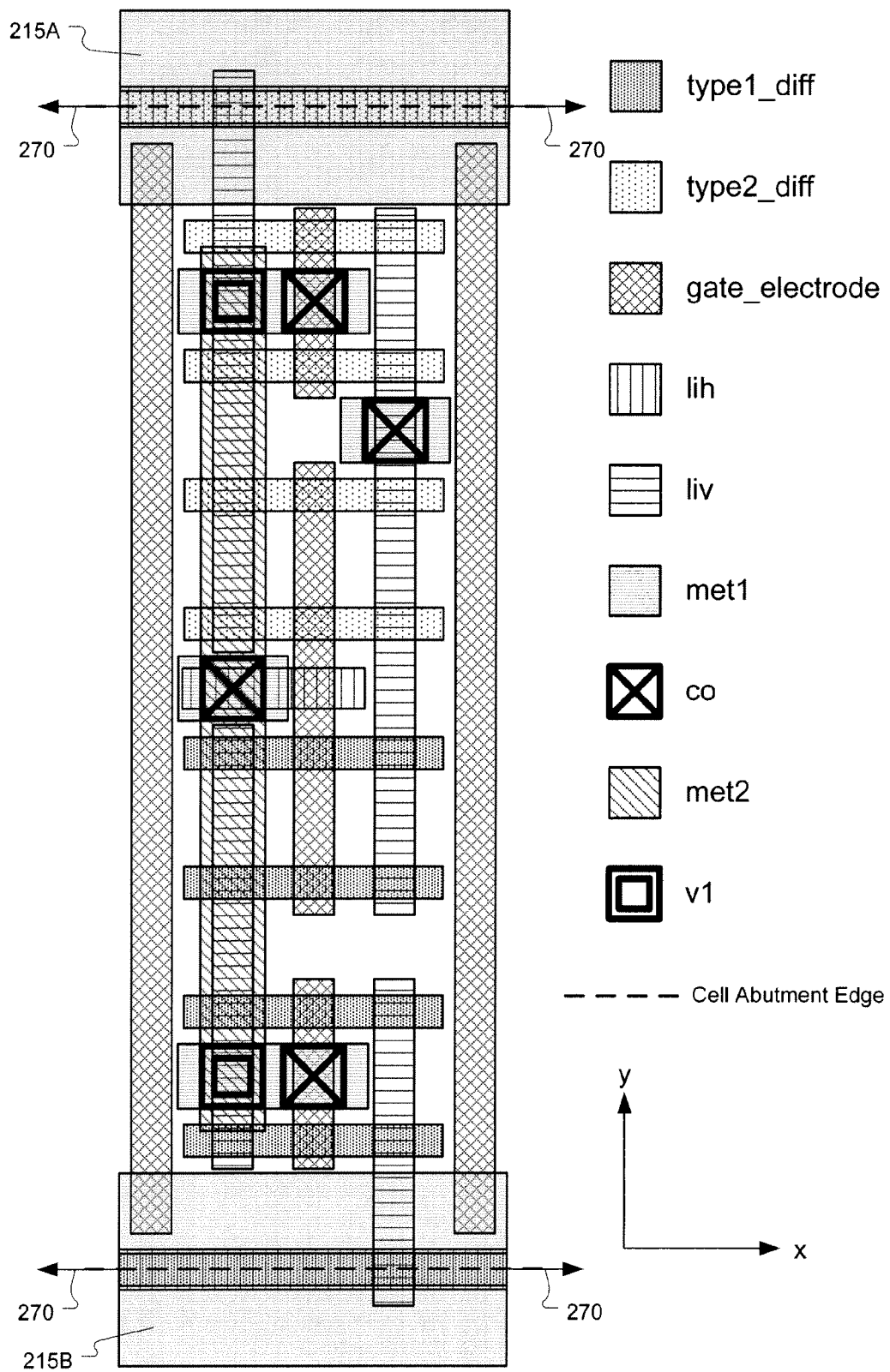


Fig. 21

16/164

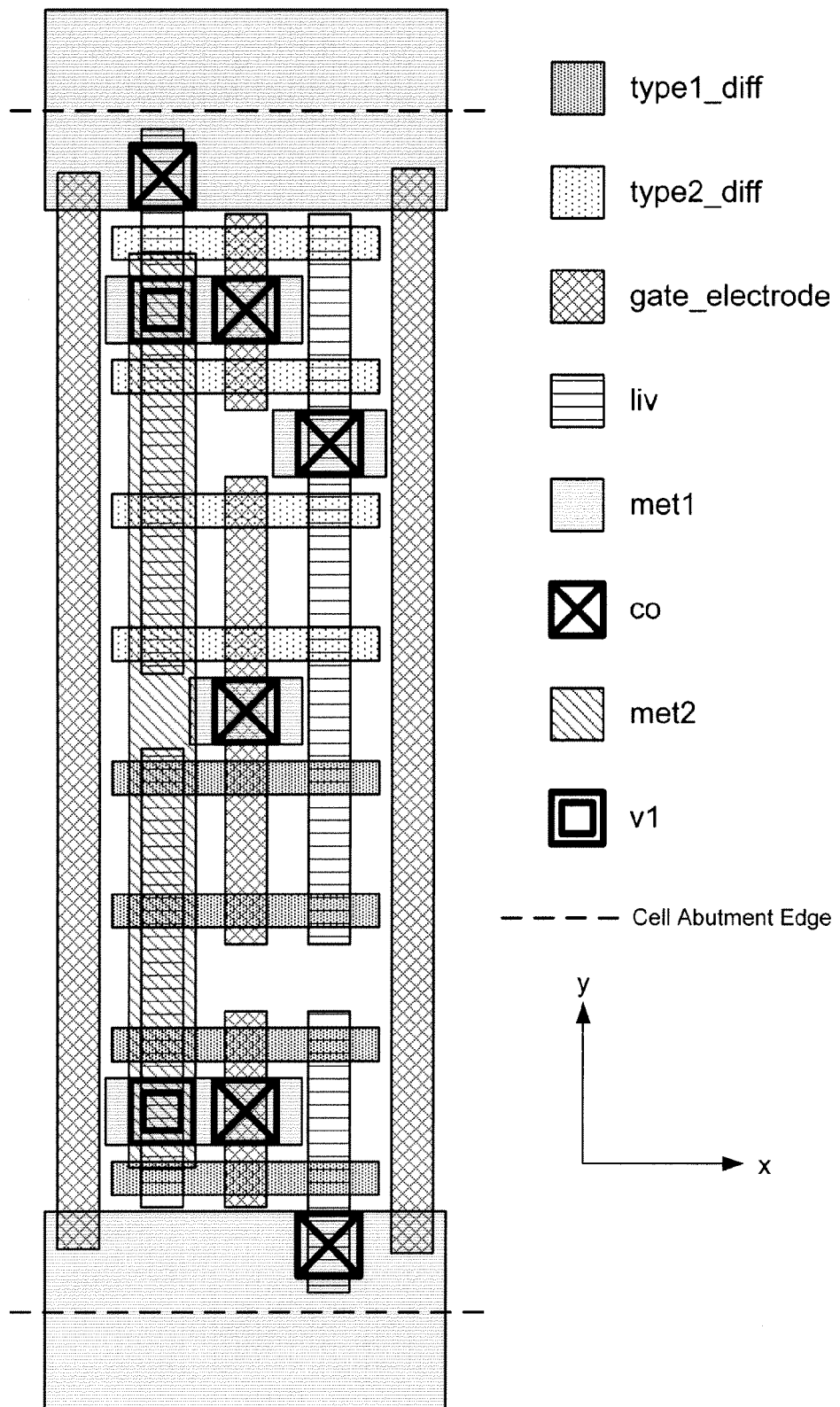


Fig. 3

17/164

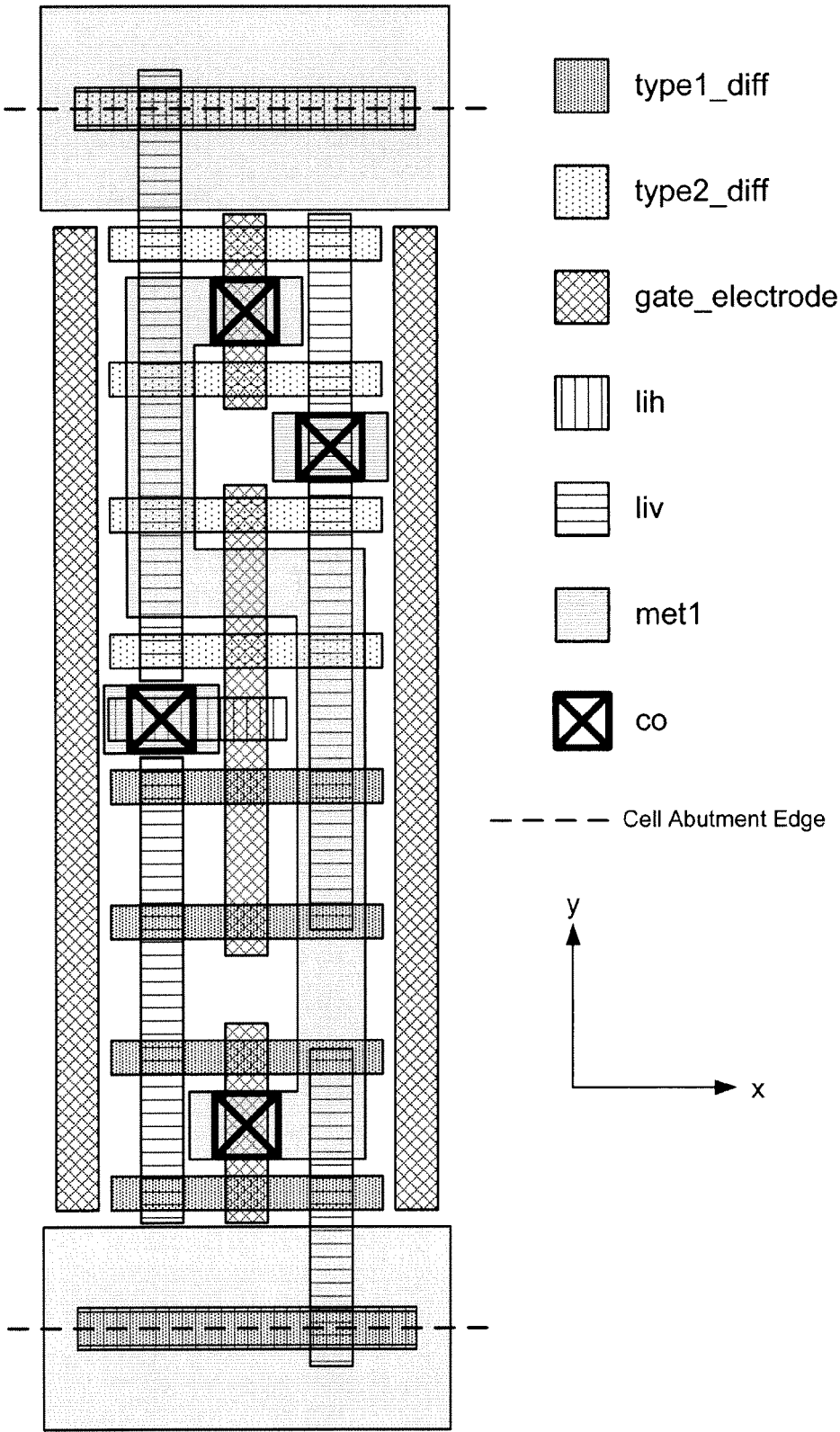


Fig. 4

18/164

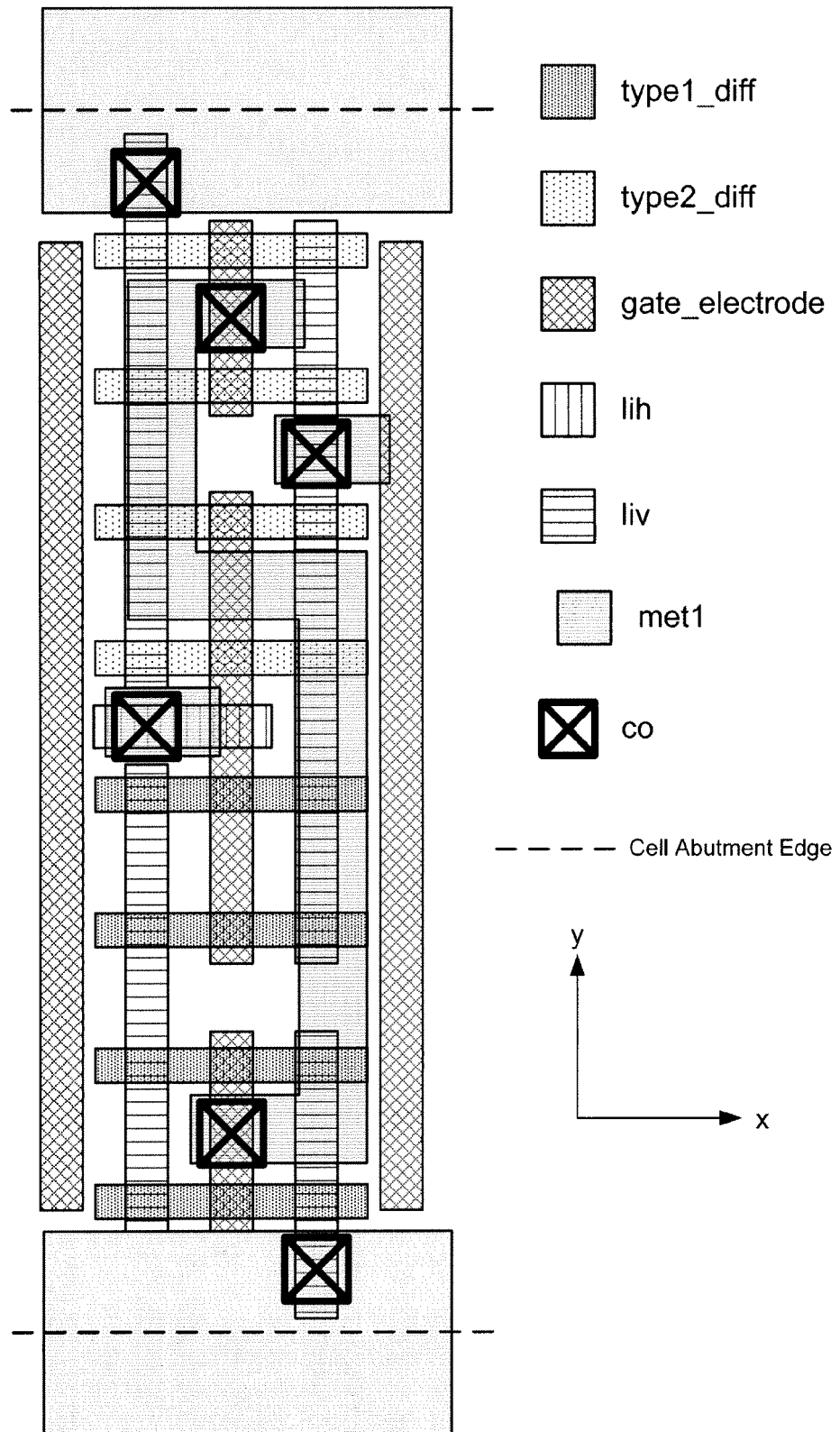


Fig. 5

19/164

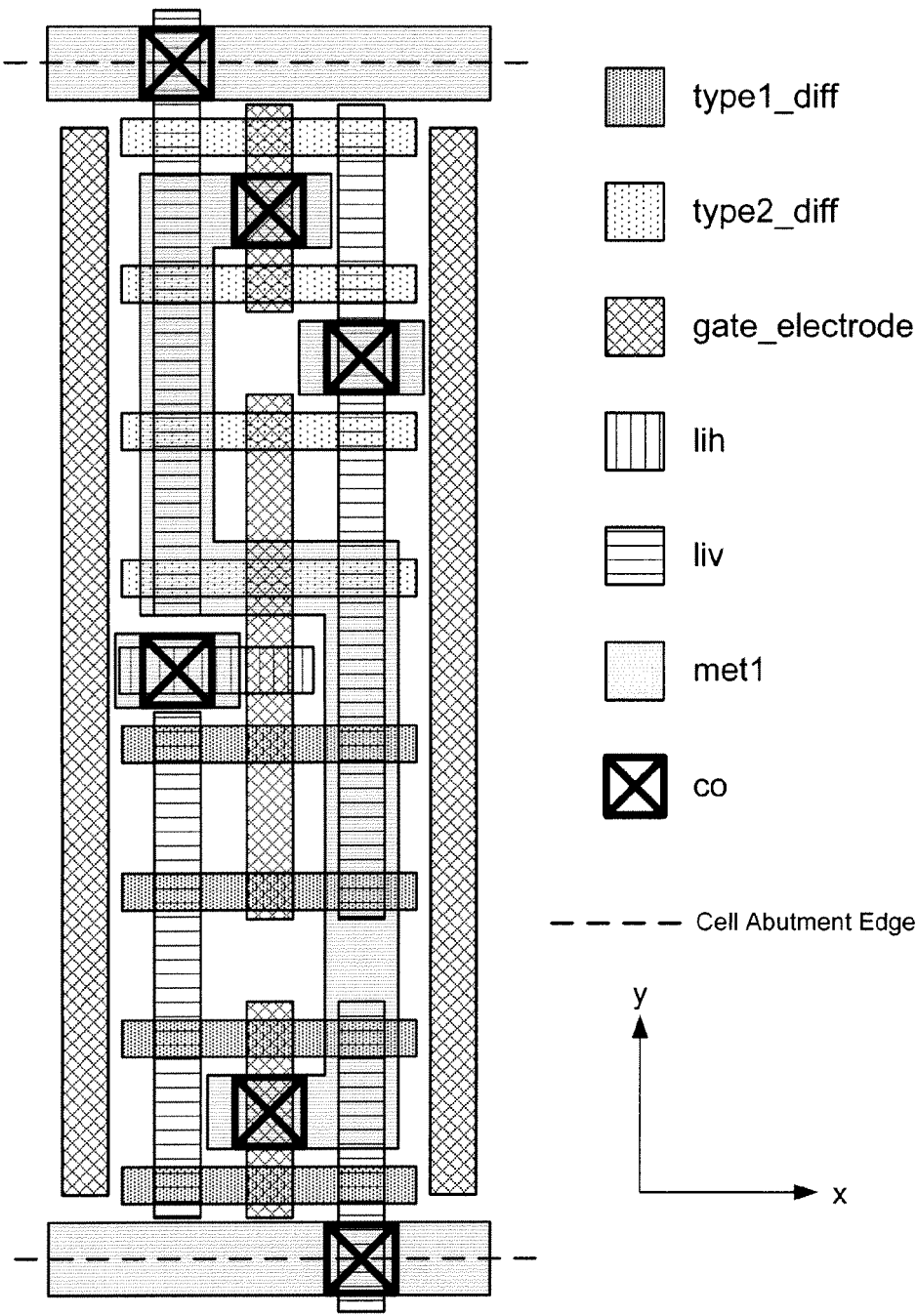


Fig. 6

20/164

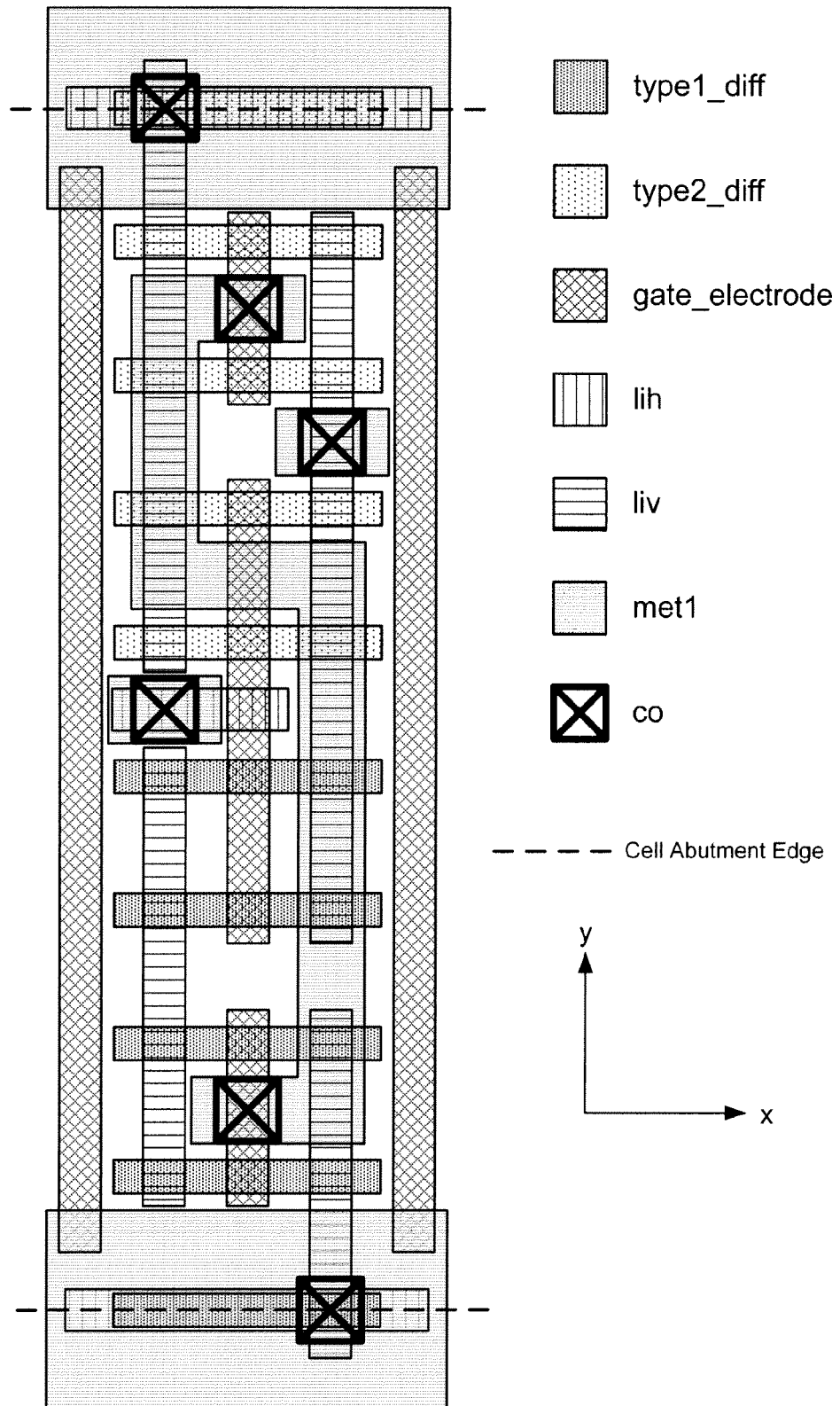


Fig. 7

21/164

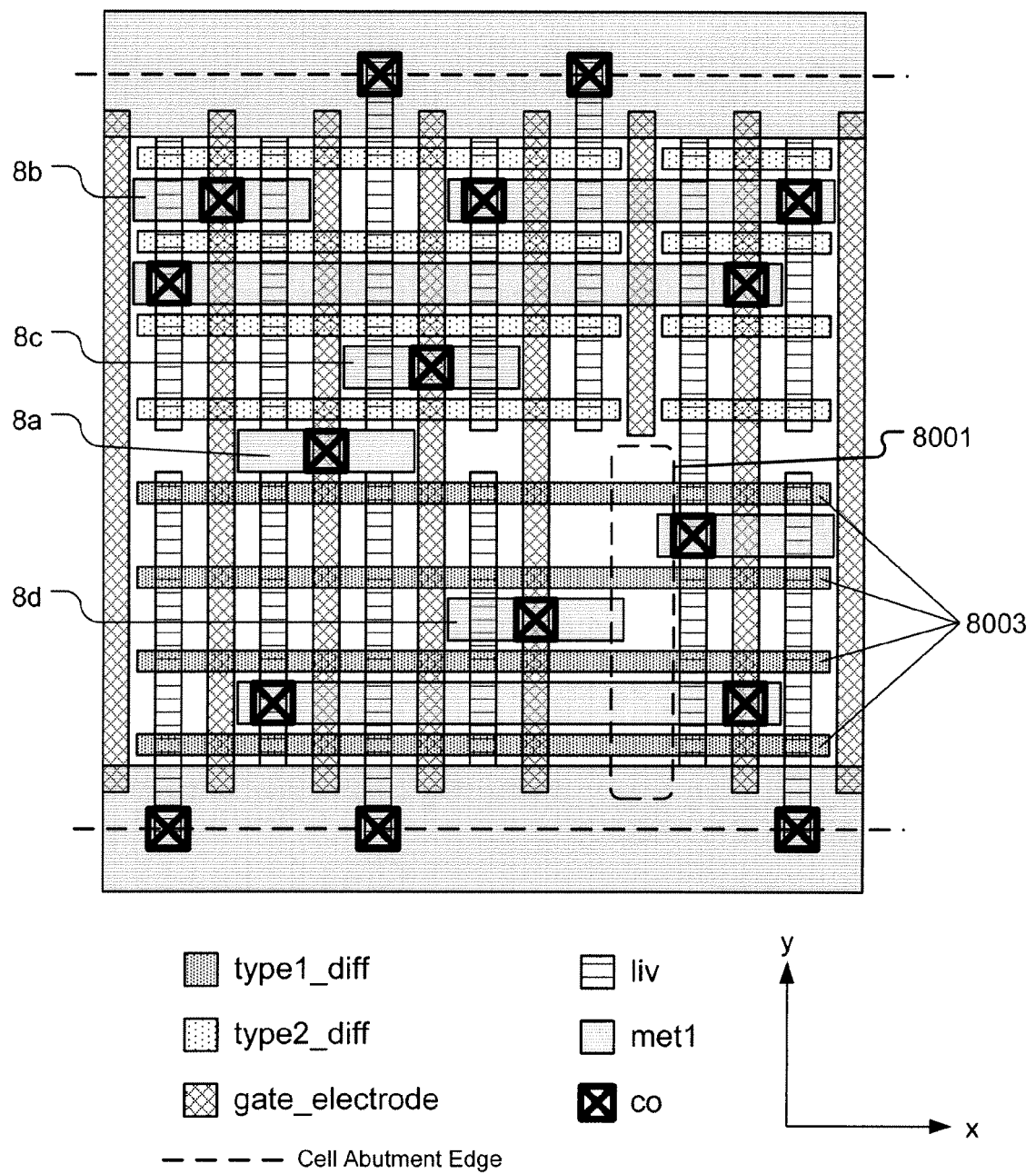


Fig. 8A

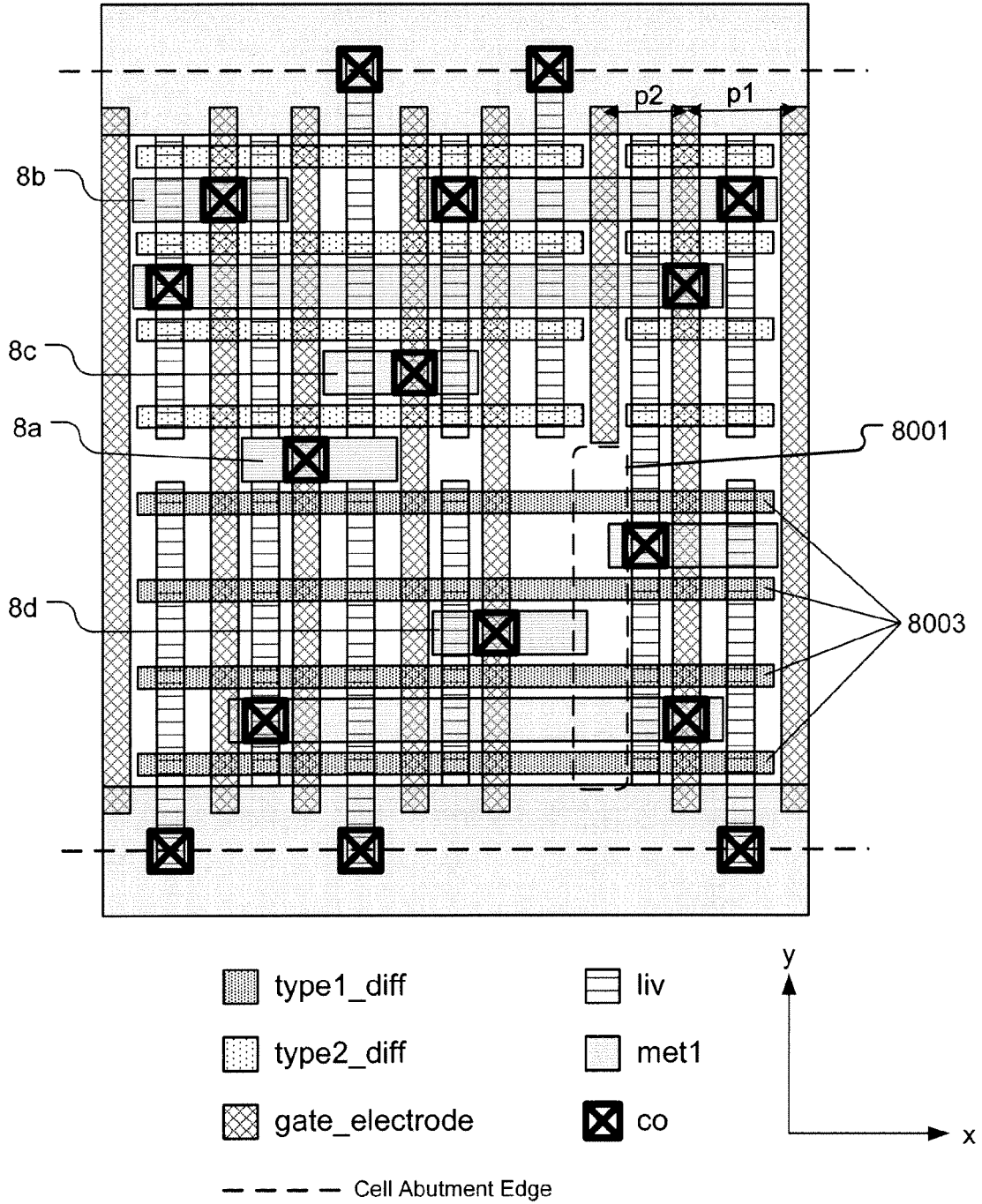


Fig. 8B

23/164

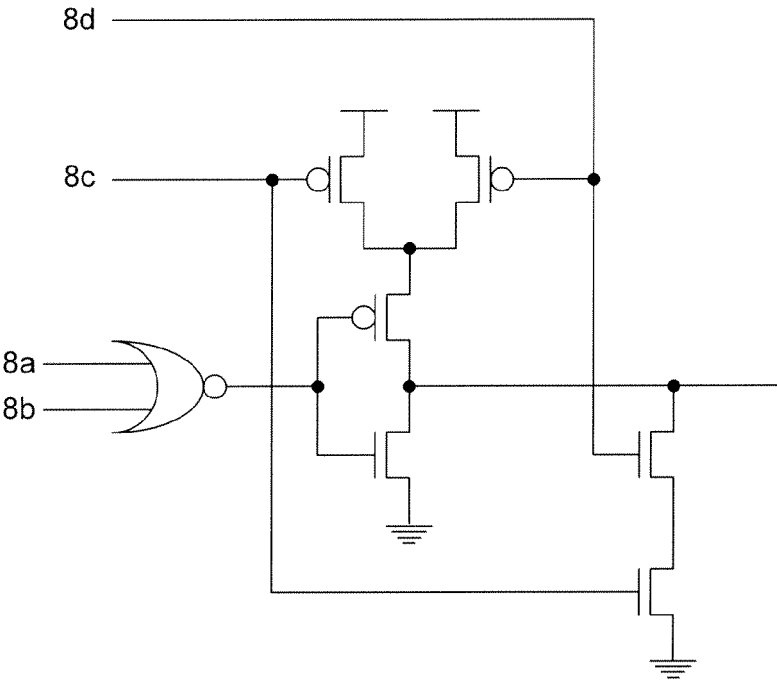
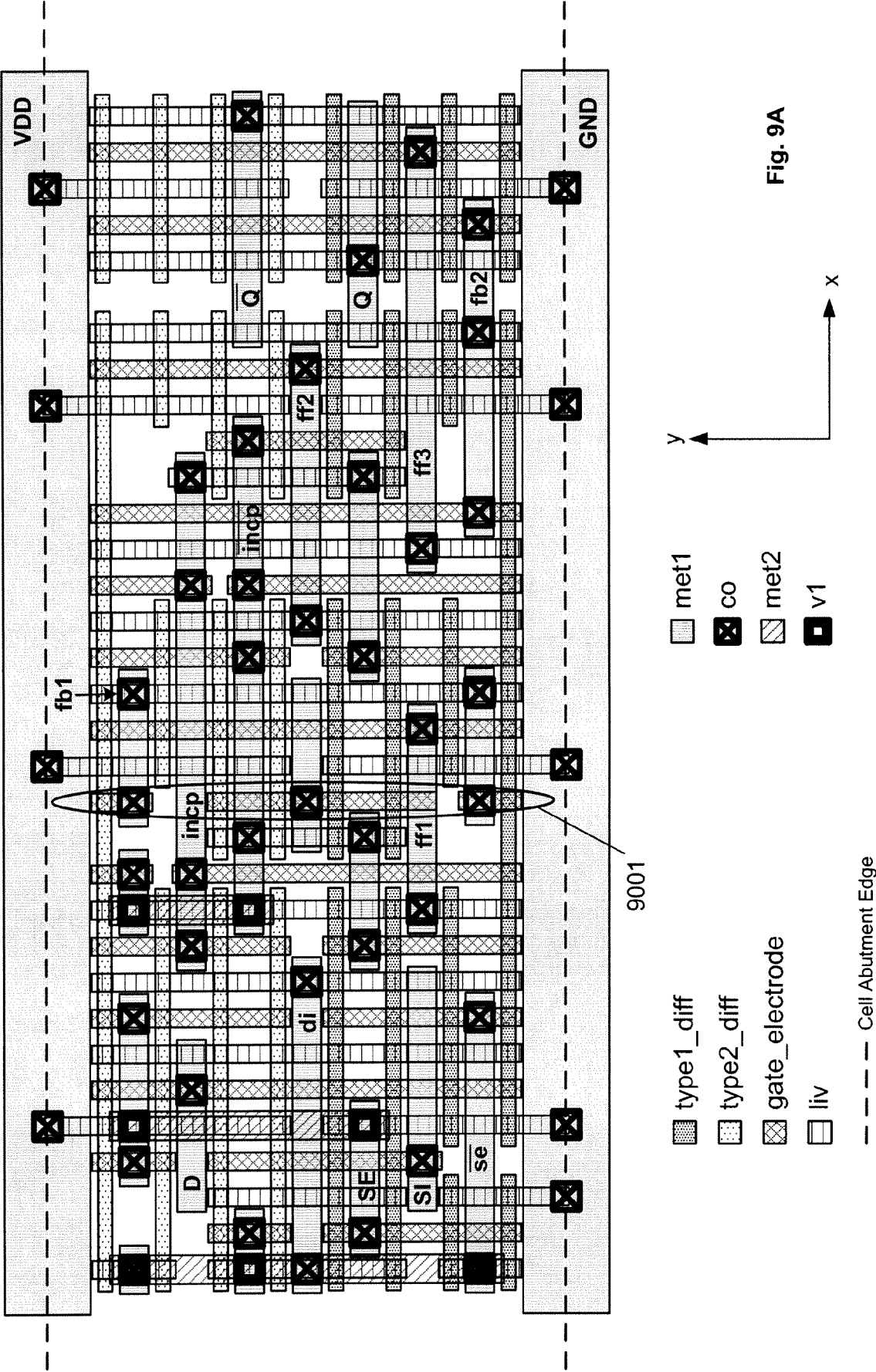


Fig. 8C



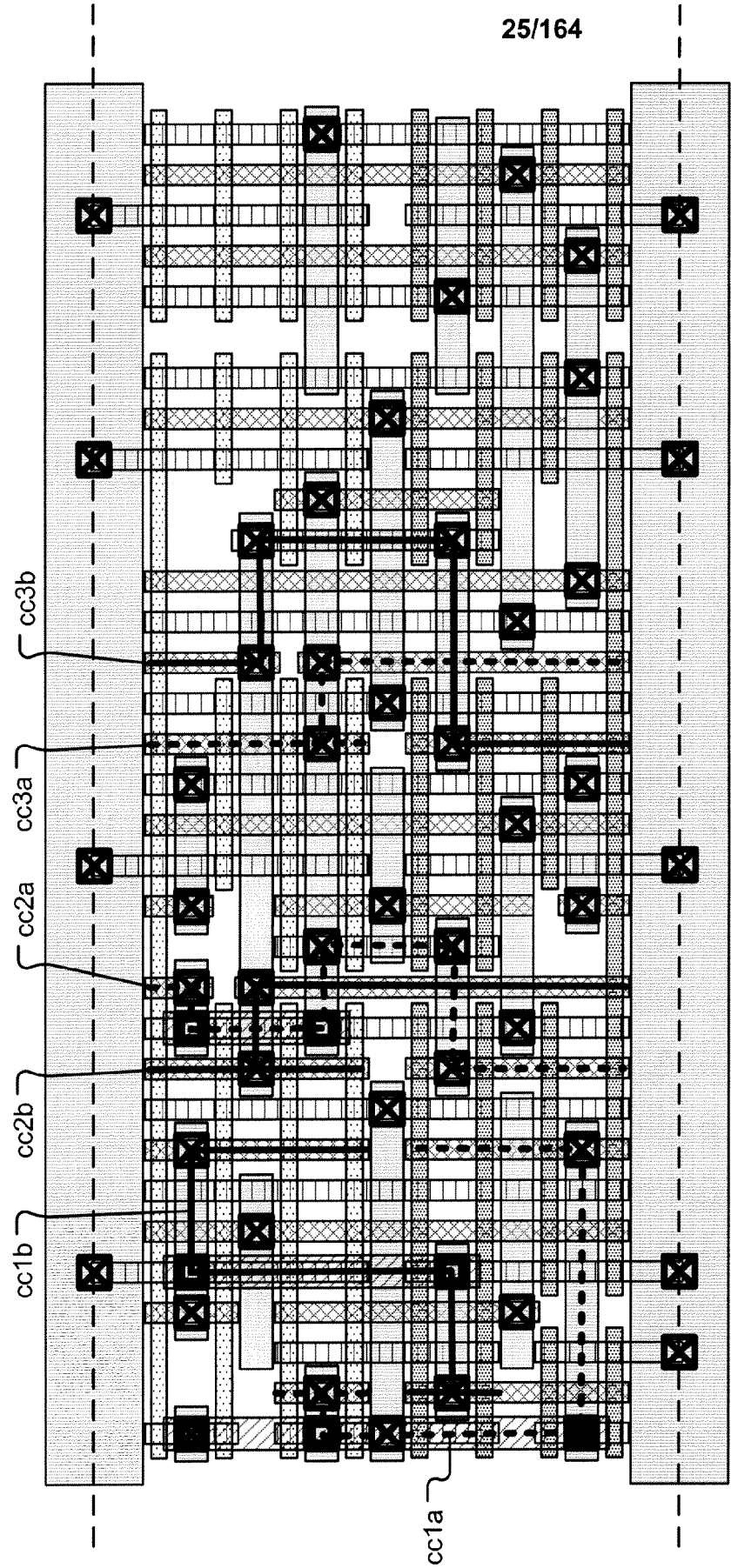


Fig. 9B

Legend:

- type1_diff
- type2_diff
- gate_electrode
- liv
- met1
- co
- met2
- v1
- Cell Abutment Edge

26/164

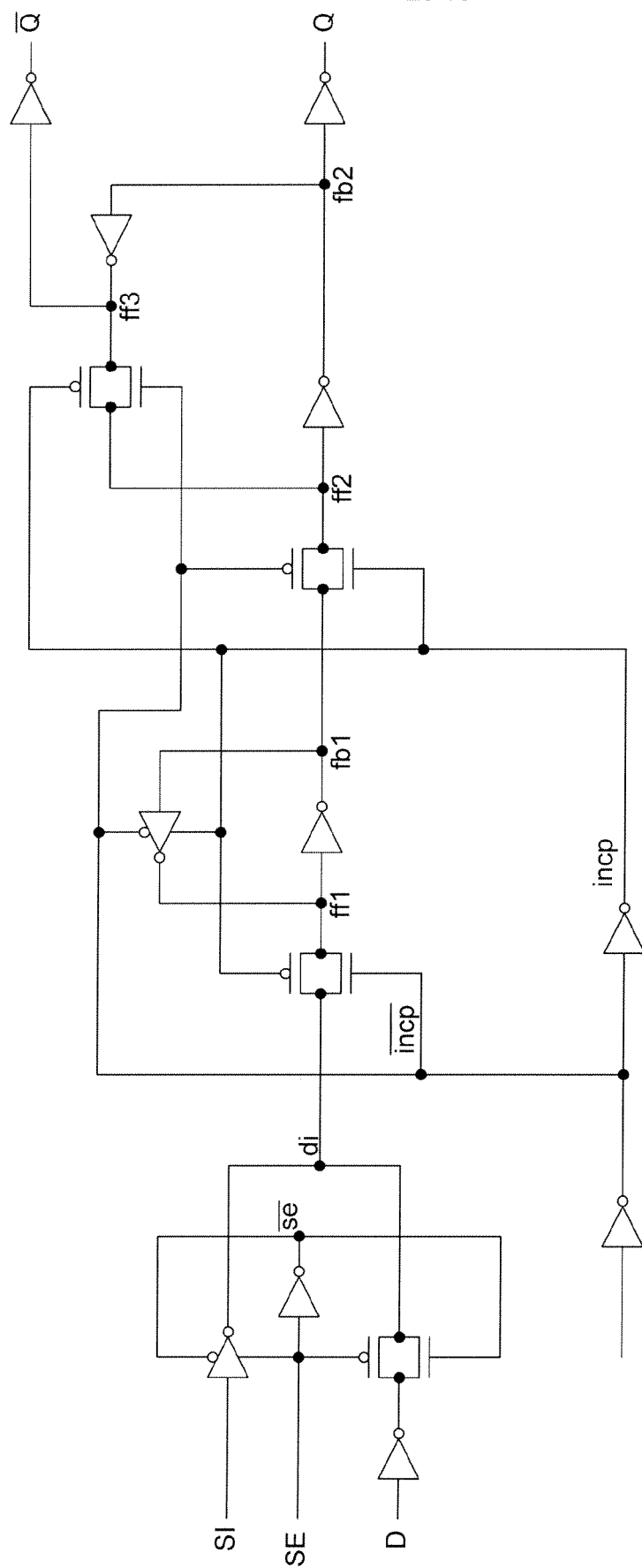


Fig. 9C

27/164

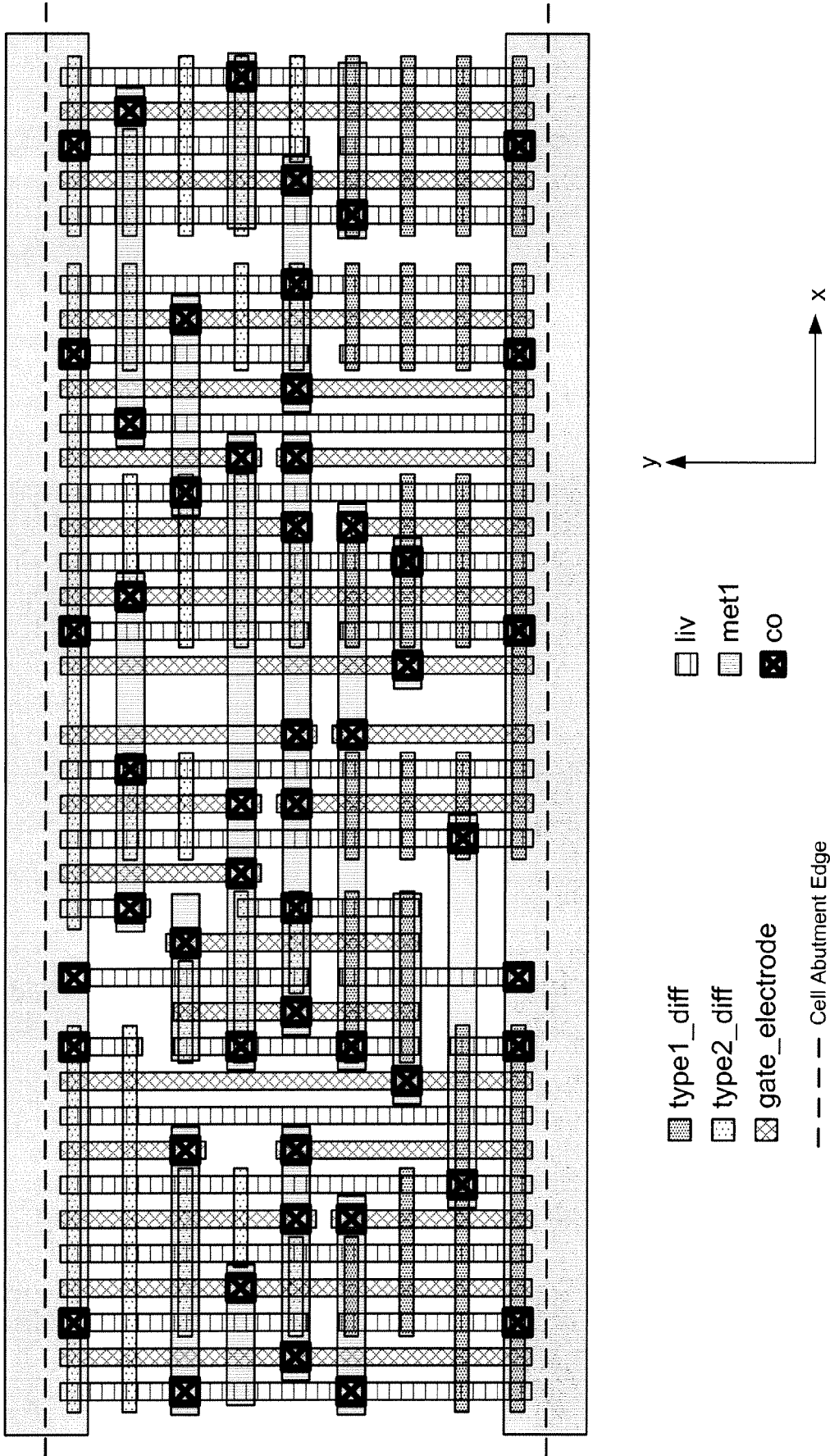


Fig. 10

28/164

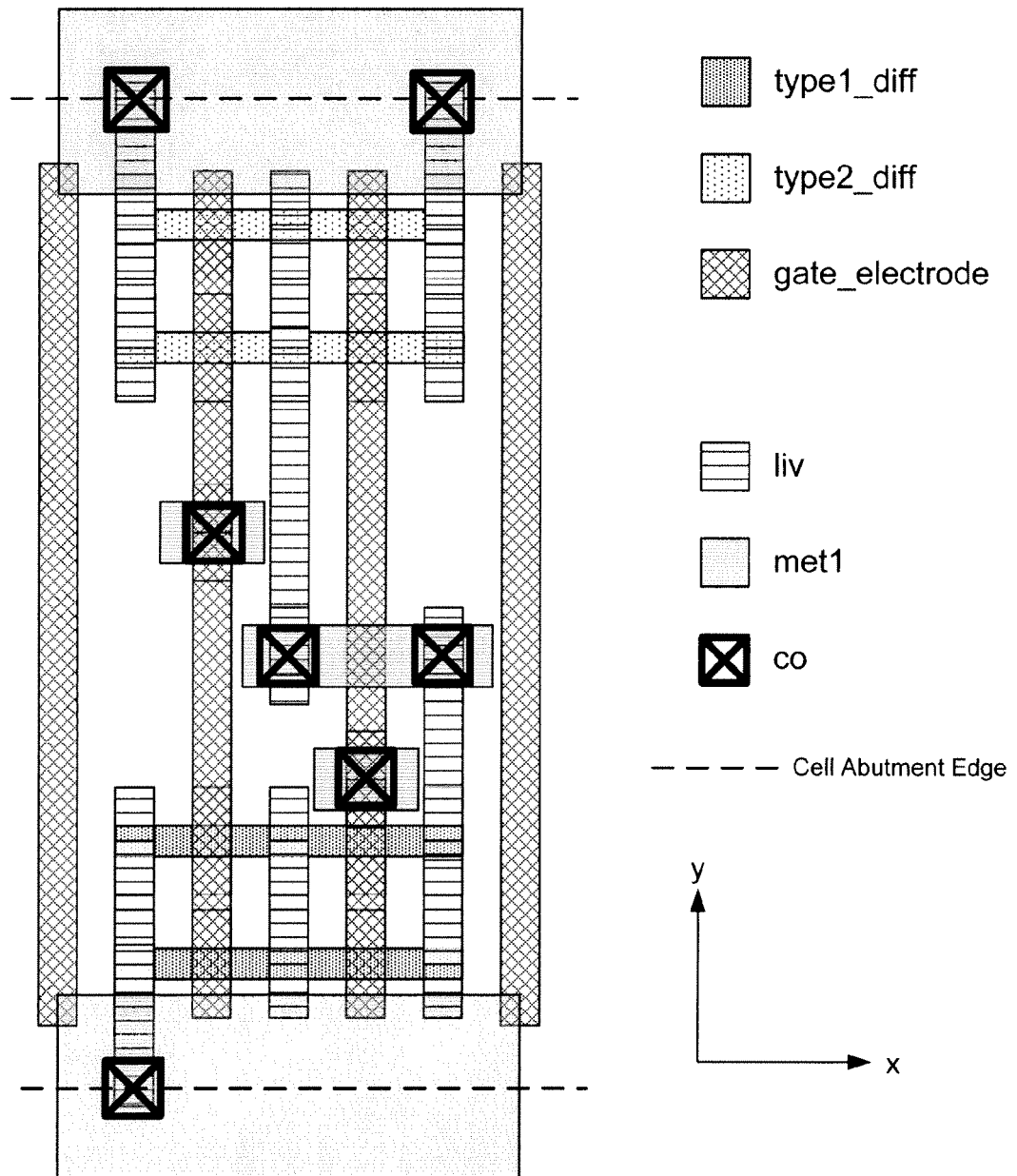


Fig. 11

29/164

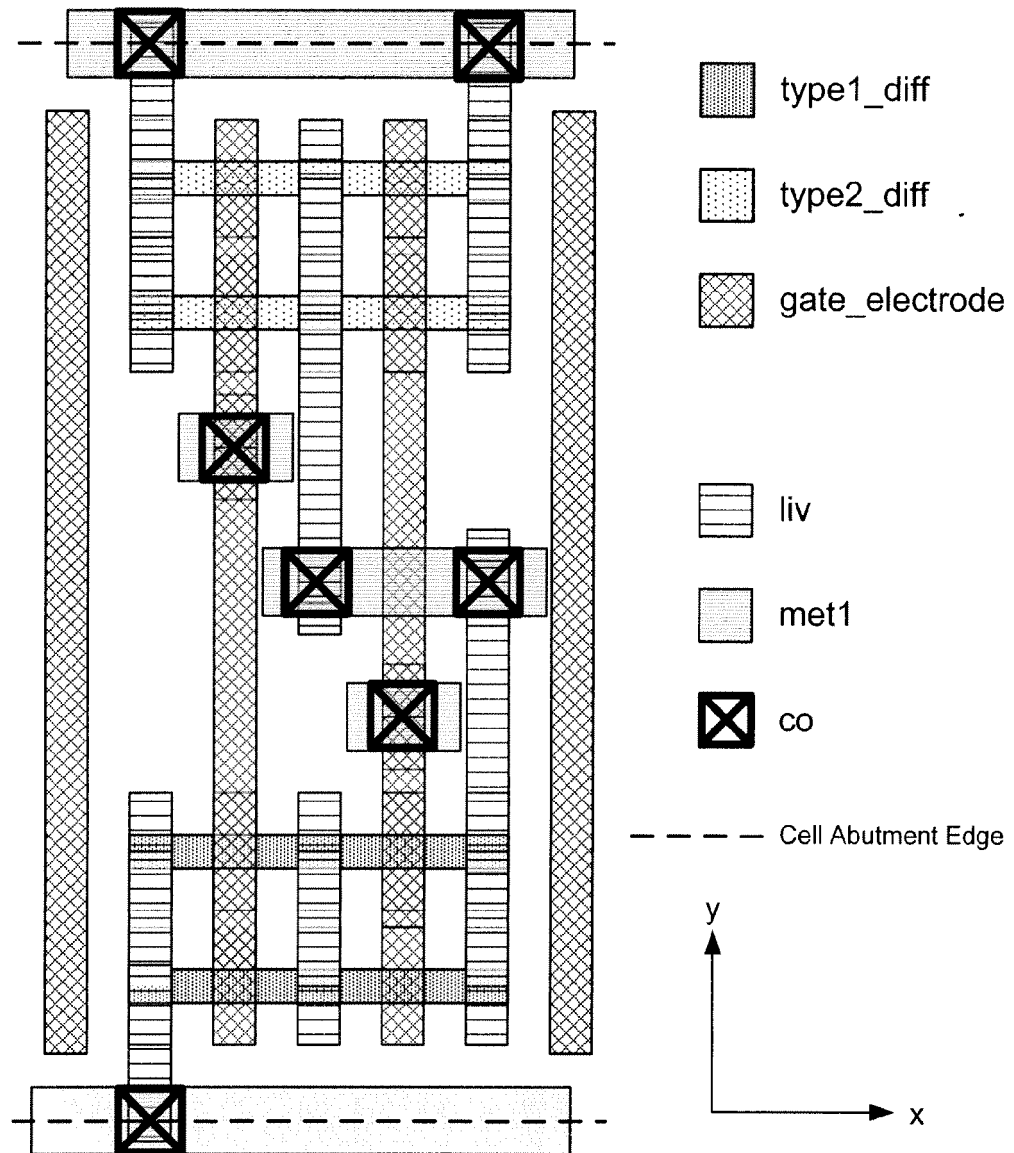


Fig. 12A

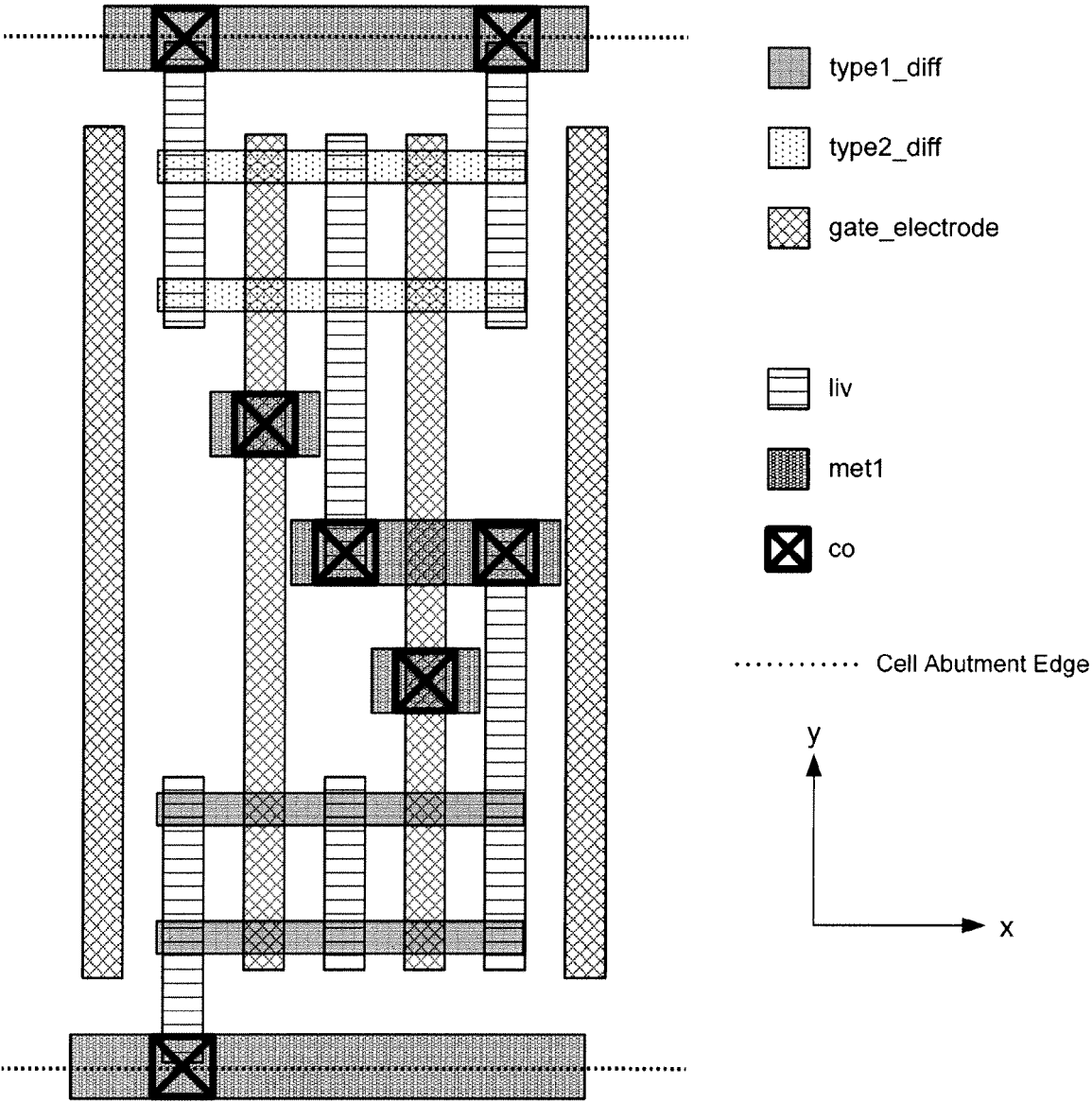


Fig. 12B

31/164

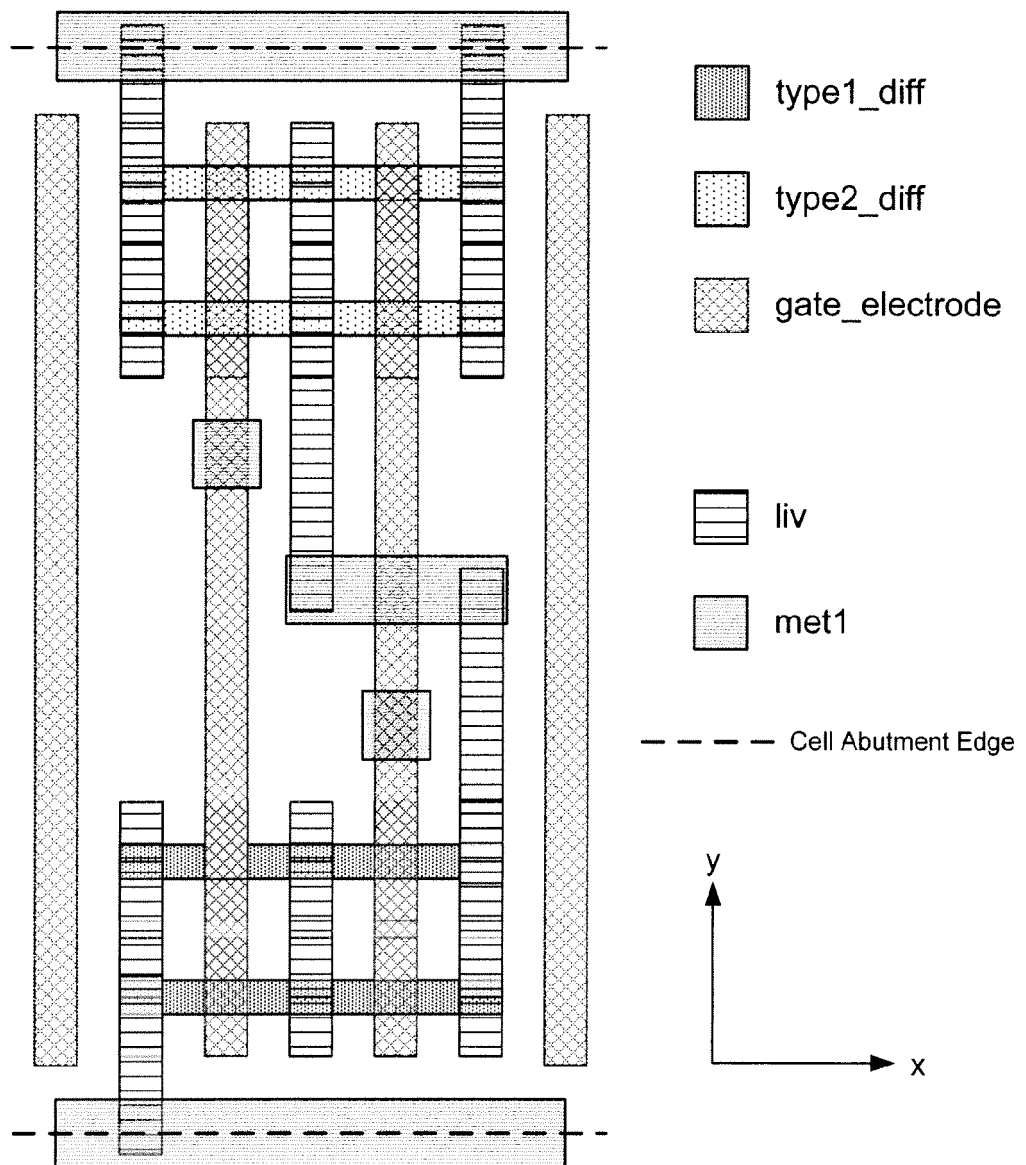


Fig. 13A

32/164

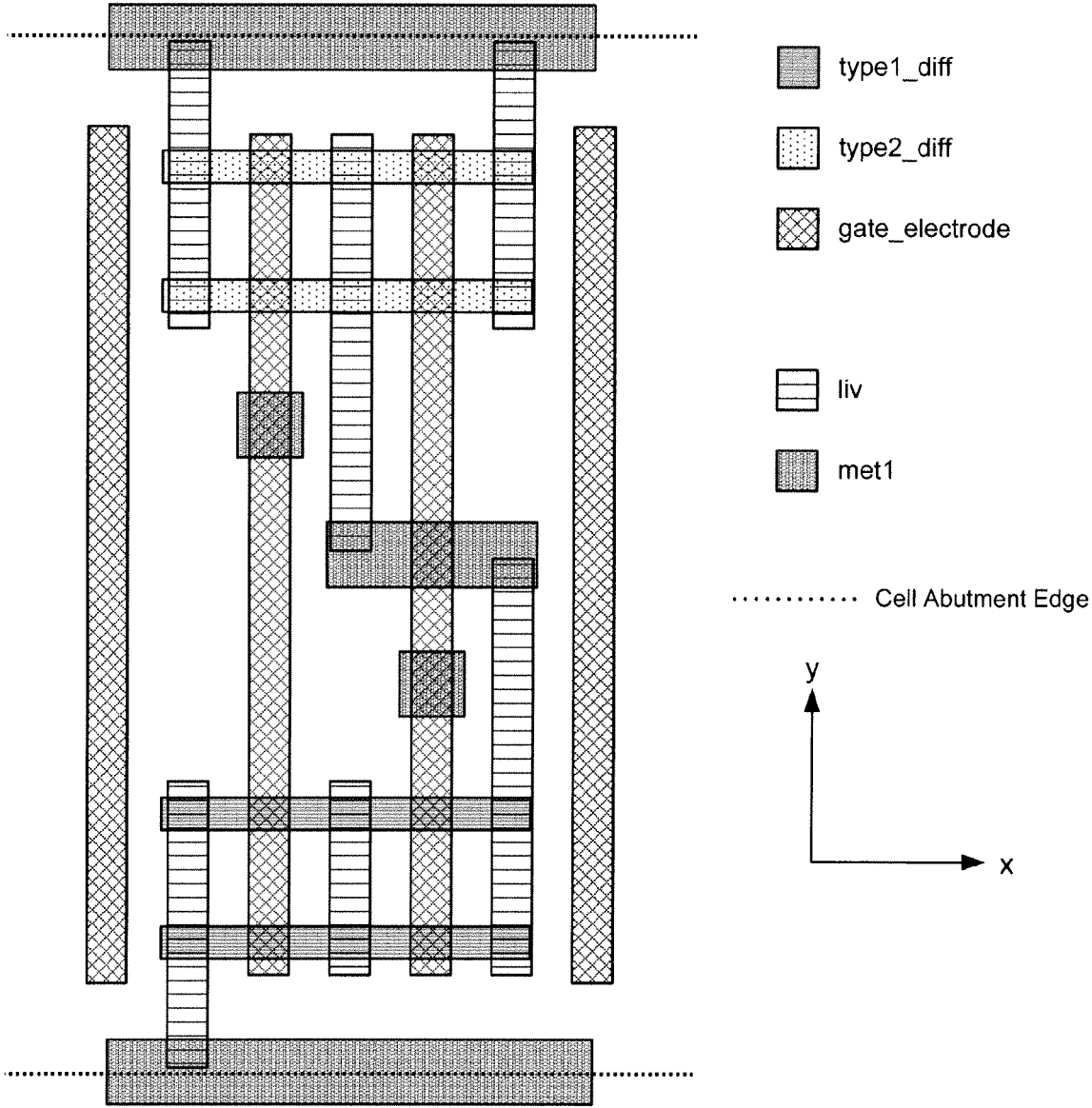


Fig. 13B

33/164

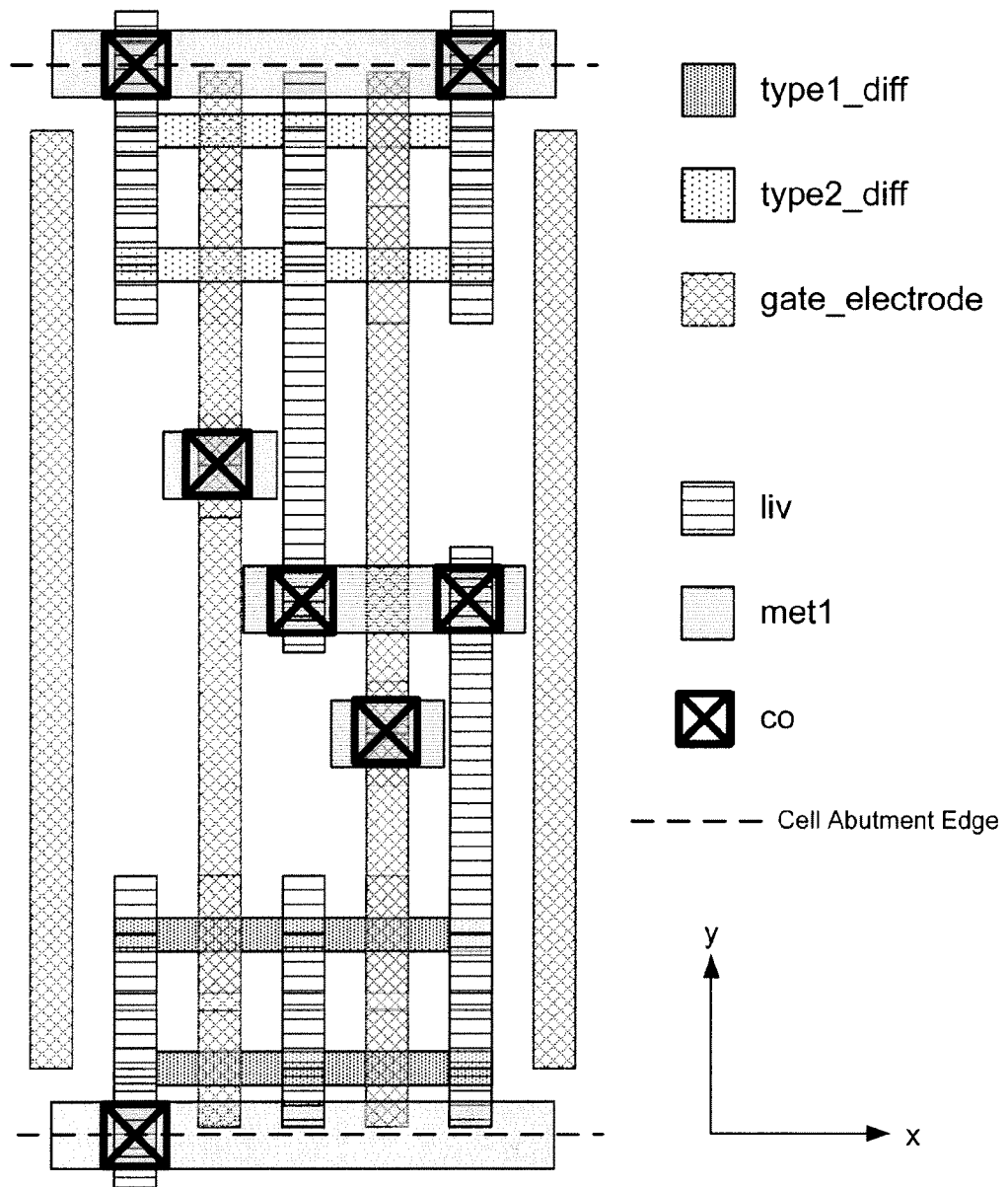


Fig. 14A

34/164

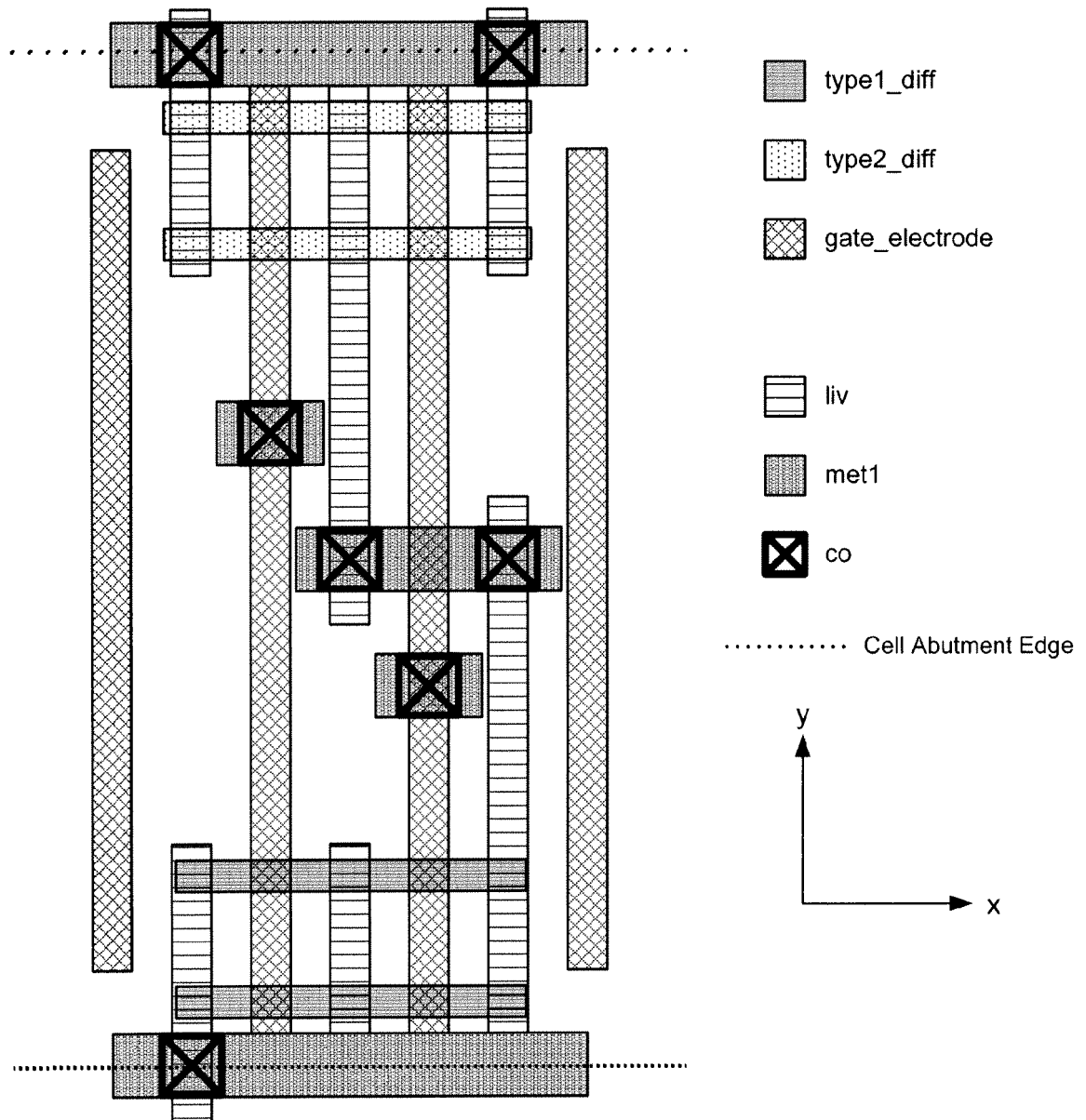


Fig. 14B

35/164

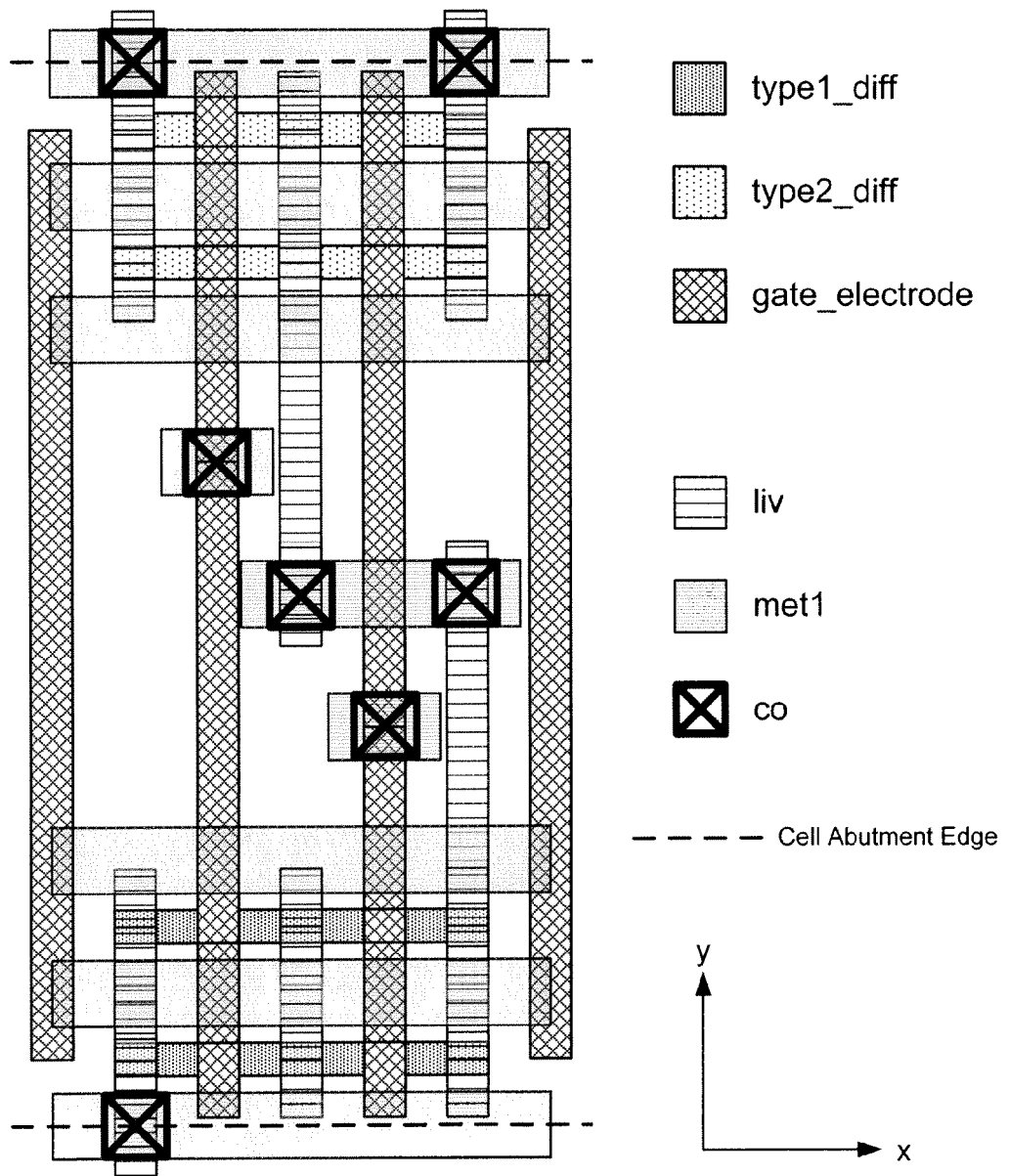


Fig. 15A

36/164

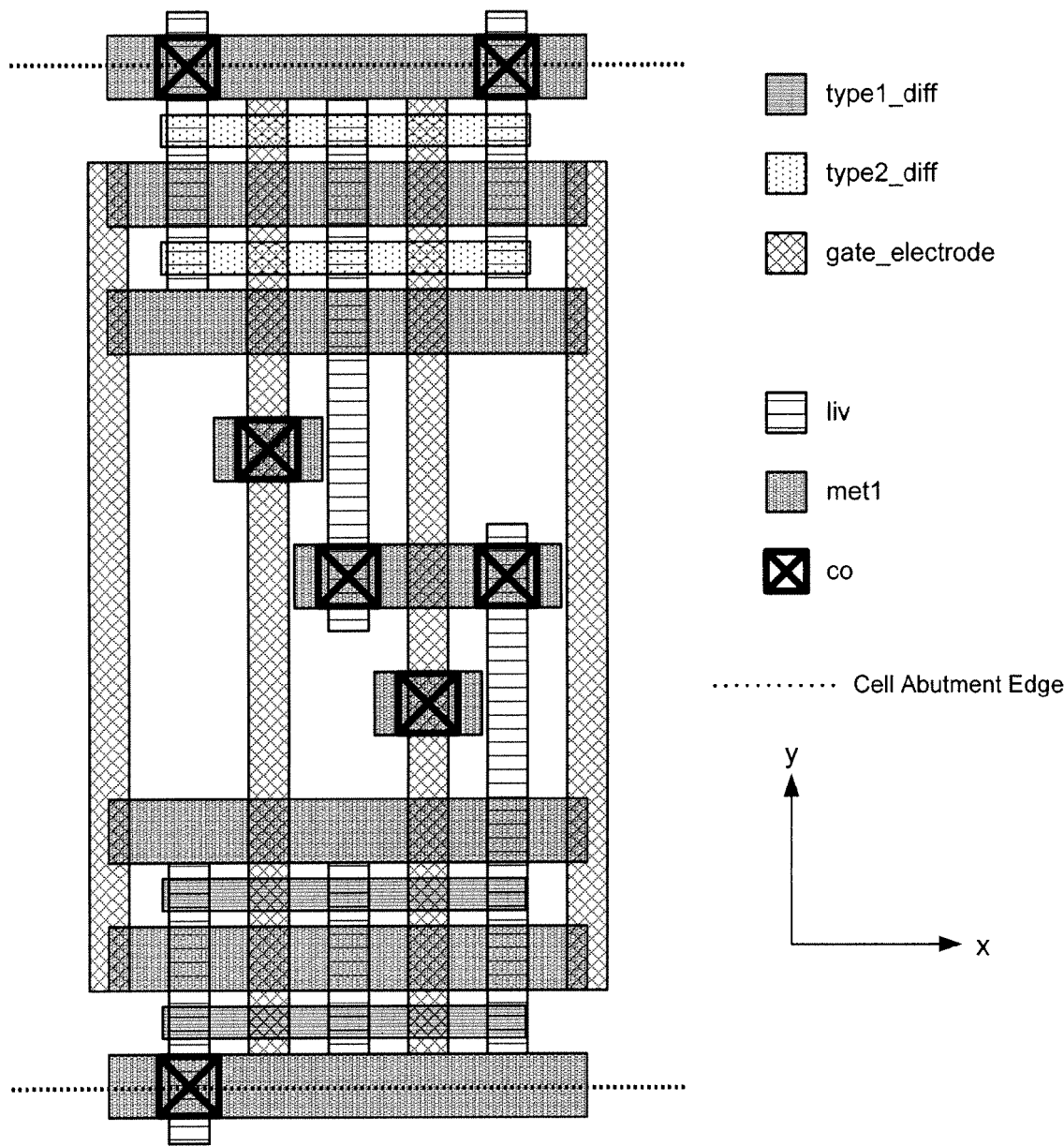


Fig. 15B

37/164

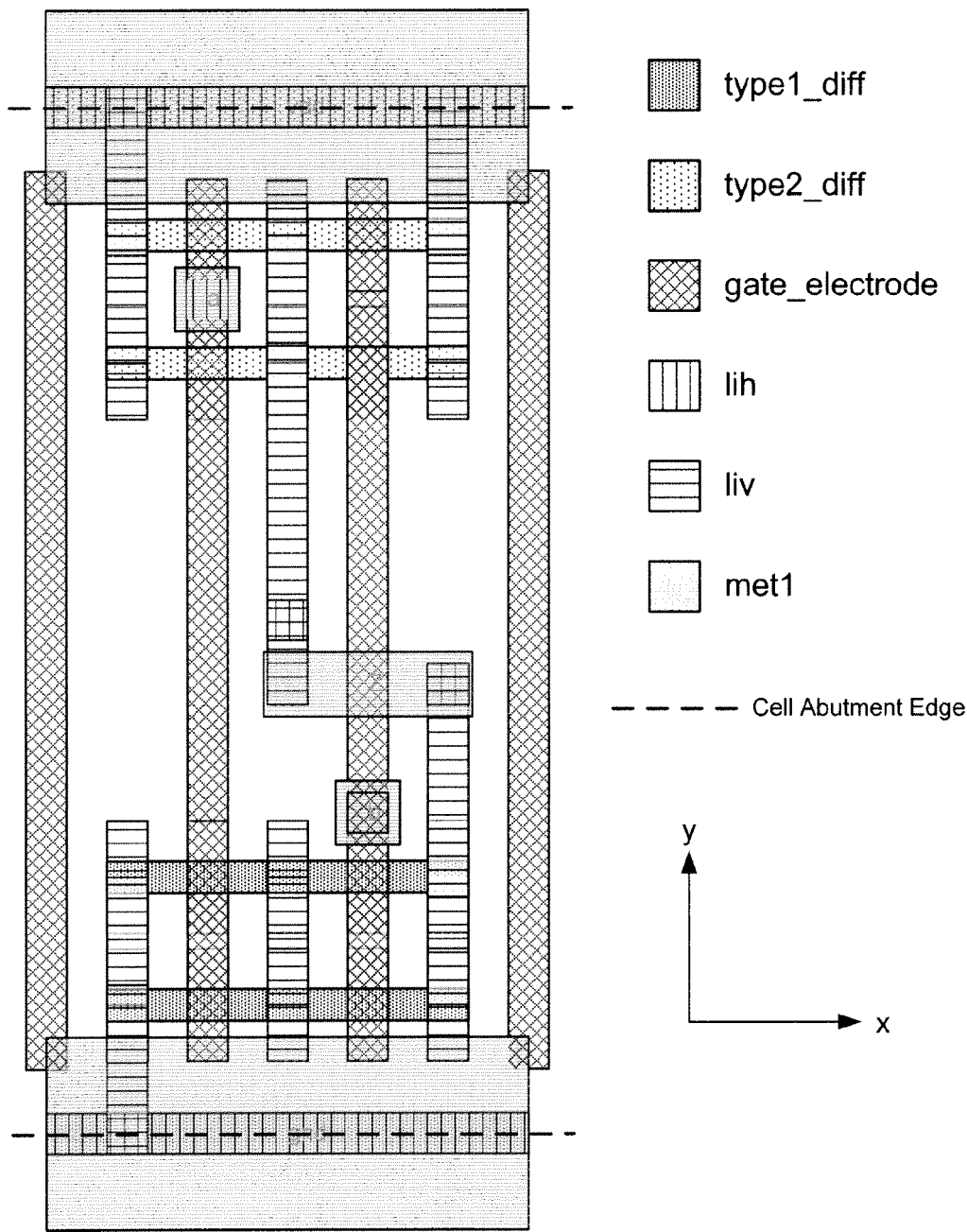


Fig. 16A

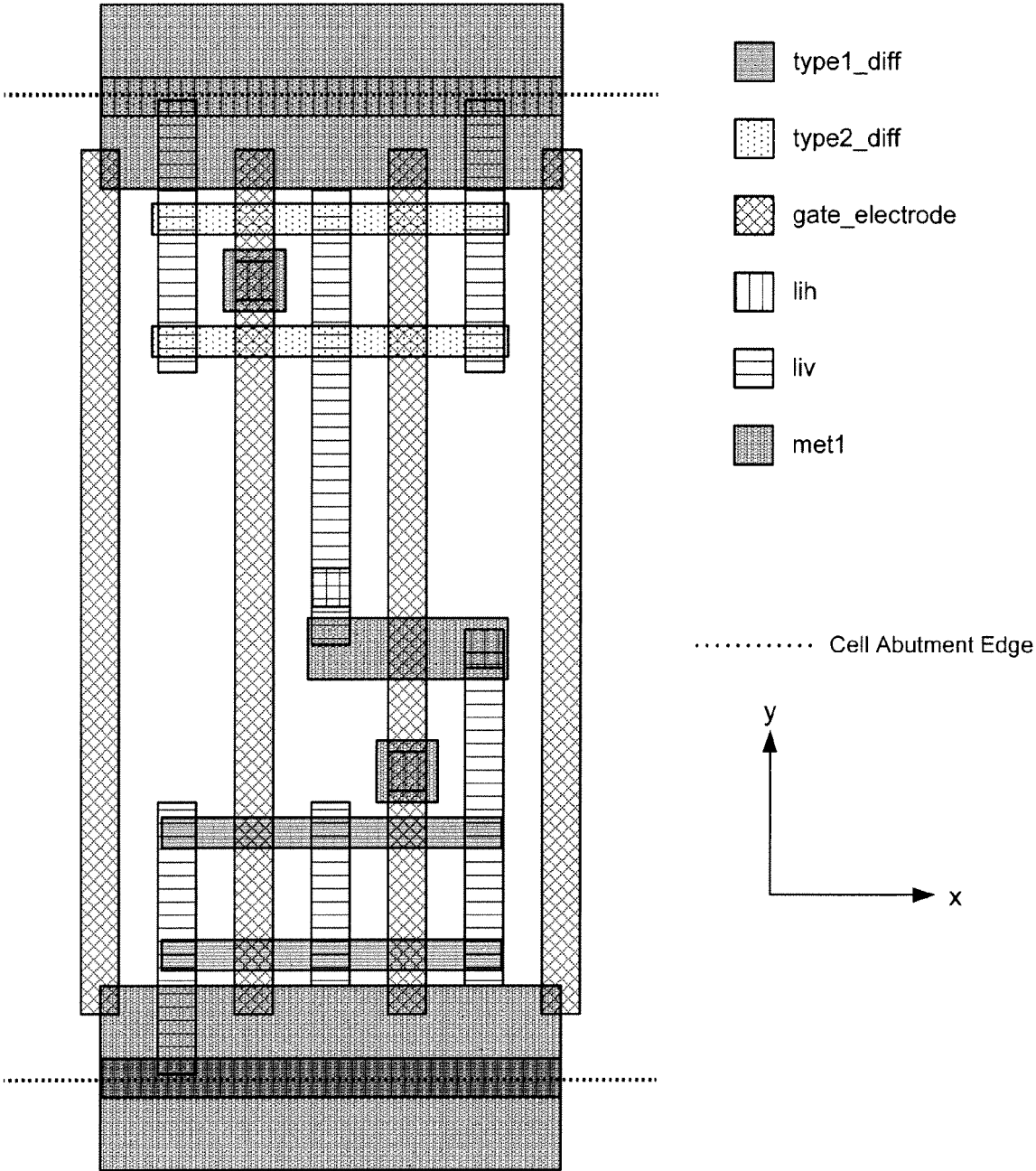


Fig. 16B

39/164

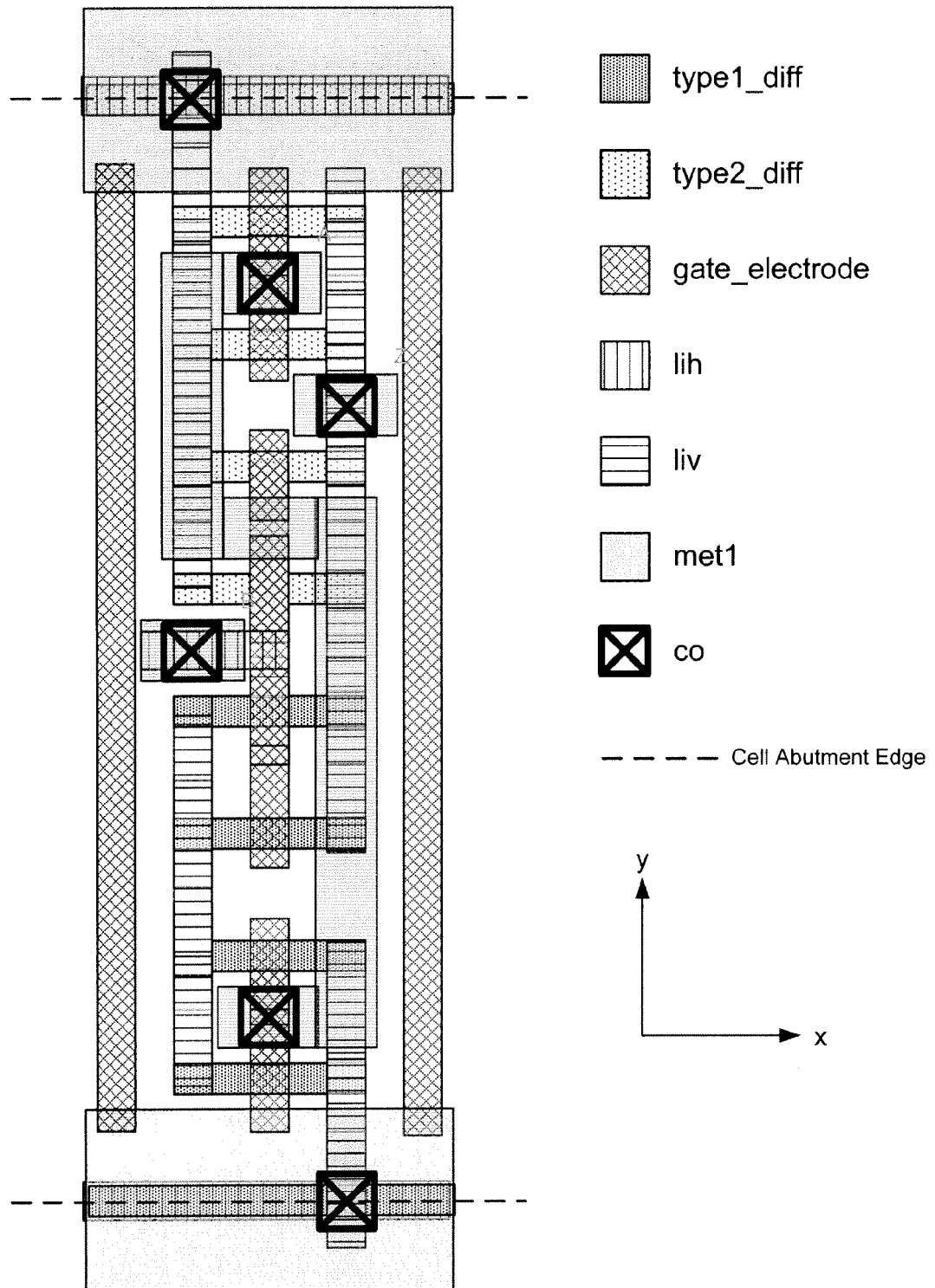


Fig. 17A

40/164

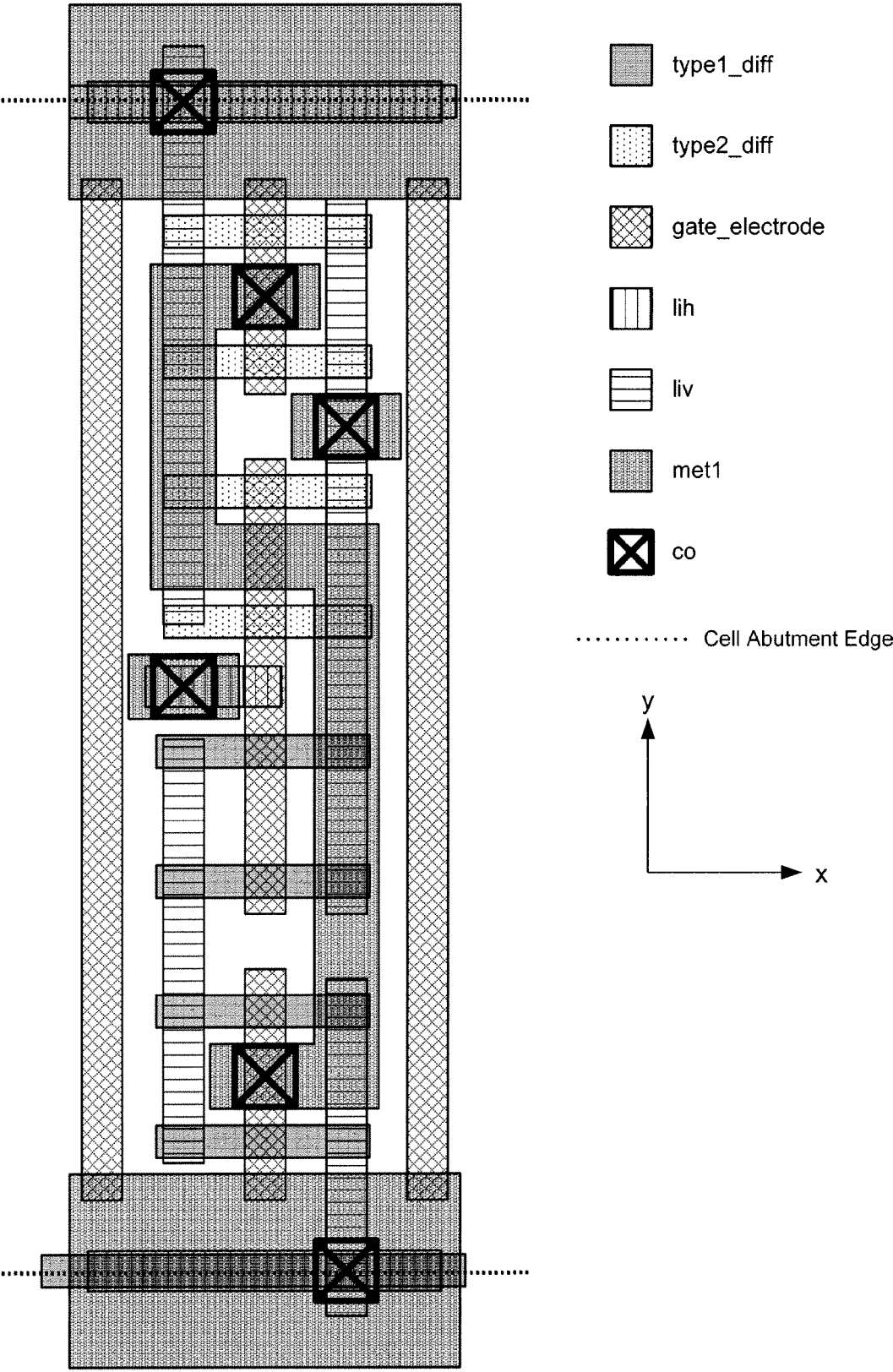


Fig. 17B

41/164

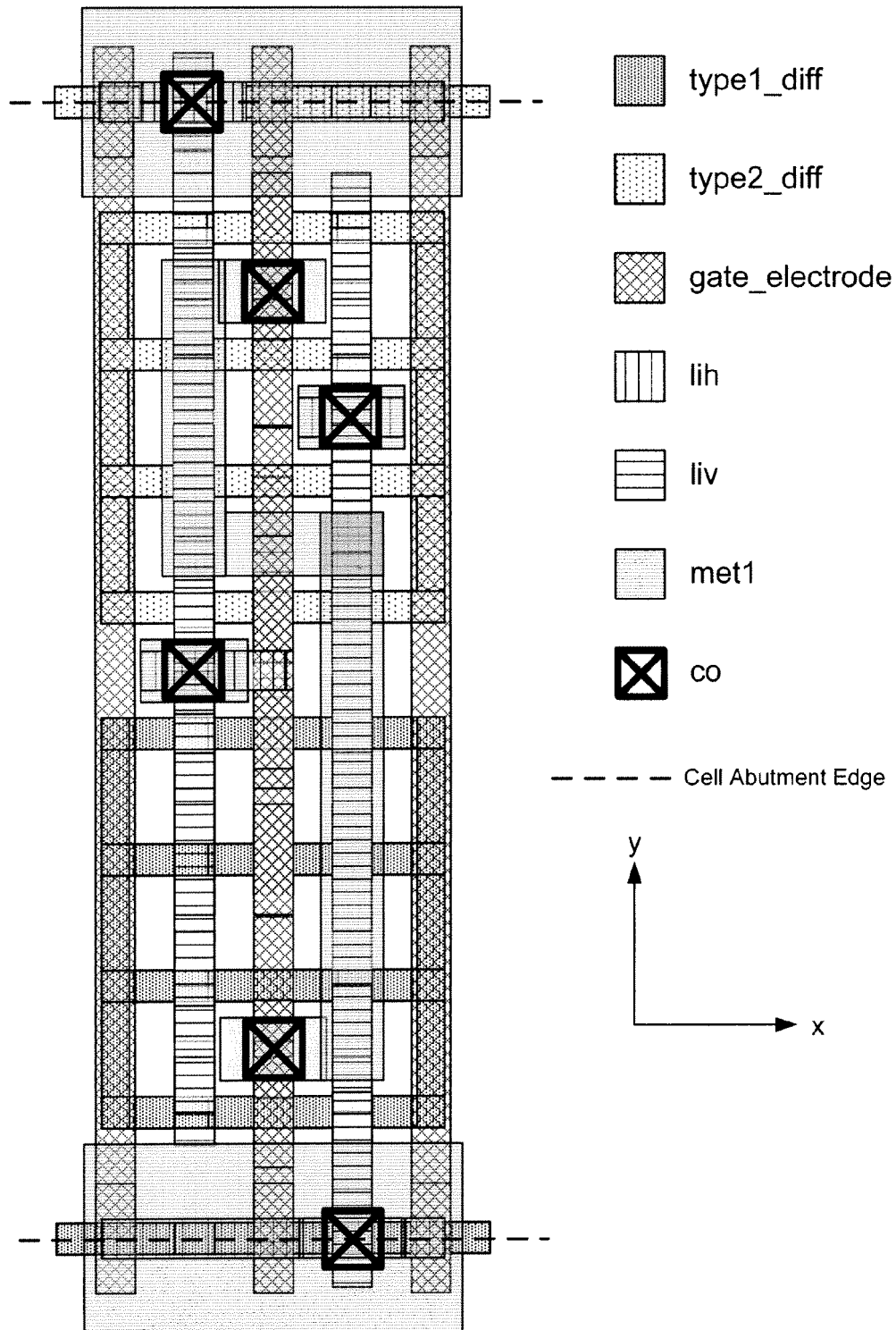


Fig. 18A

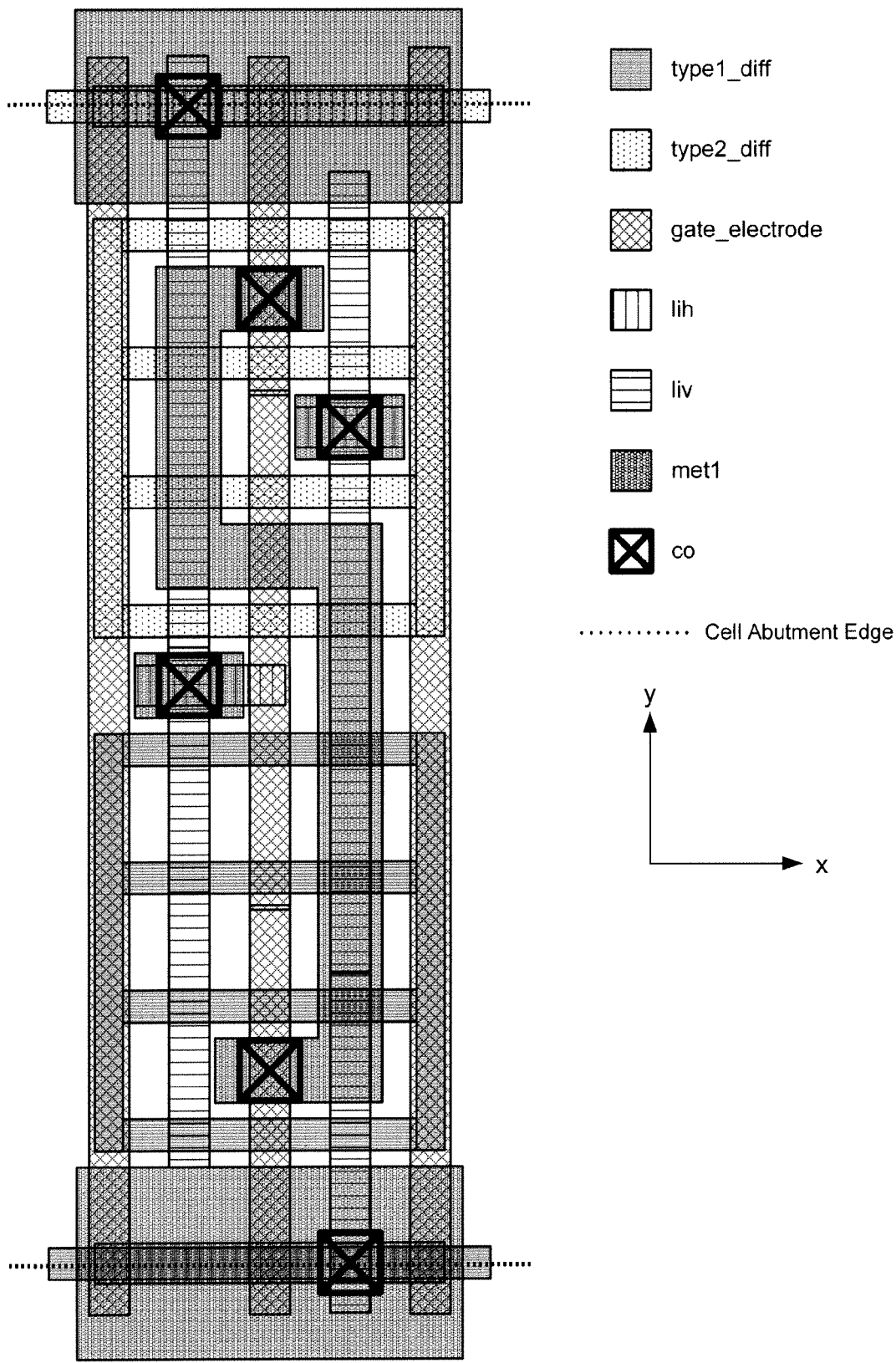


Fig. 18B

43/164

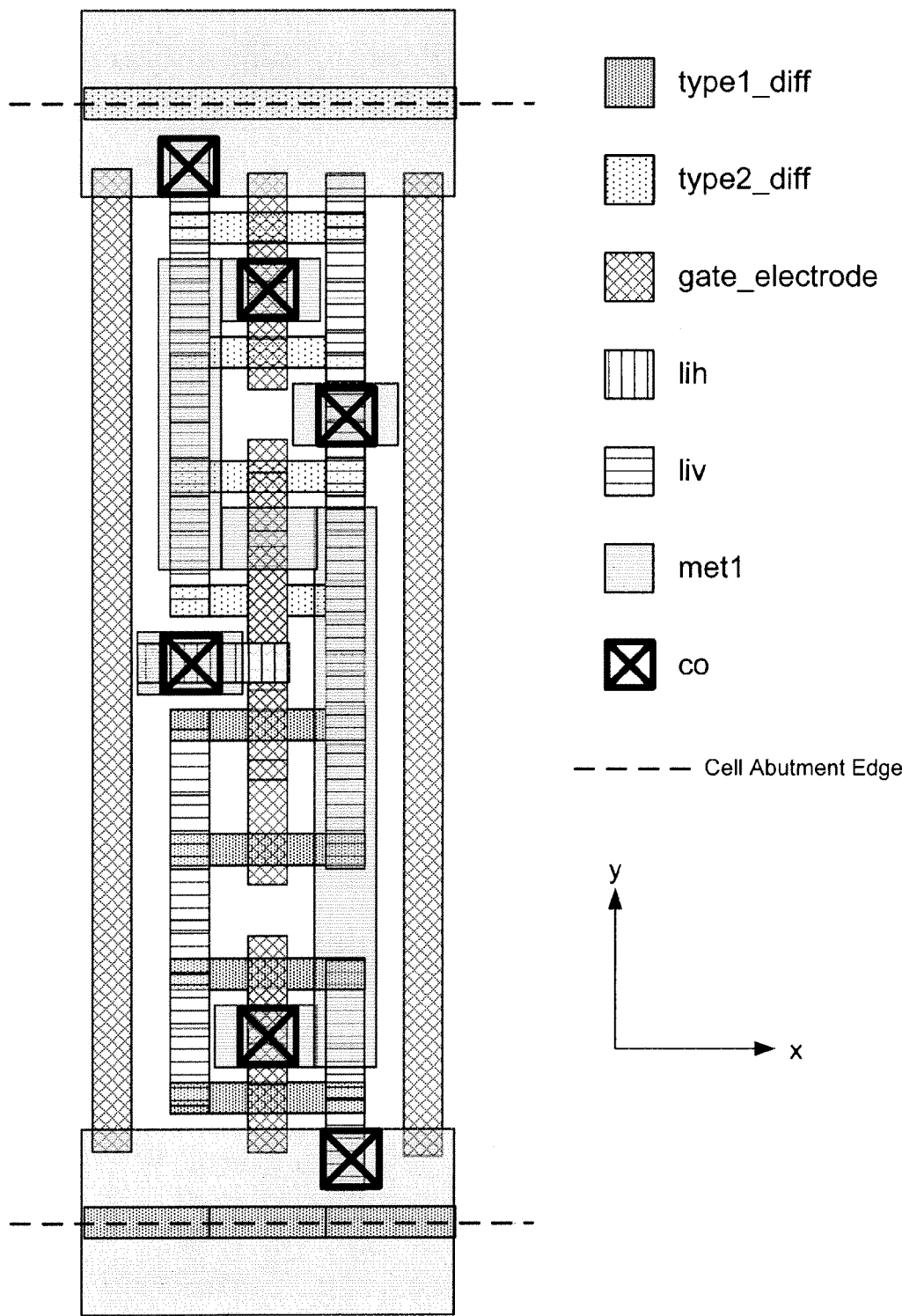


Fig. 19A

44/164

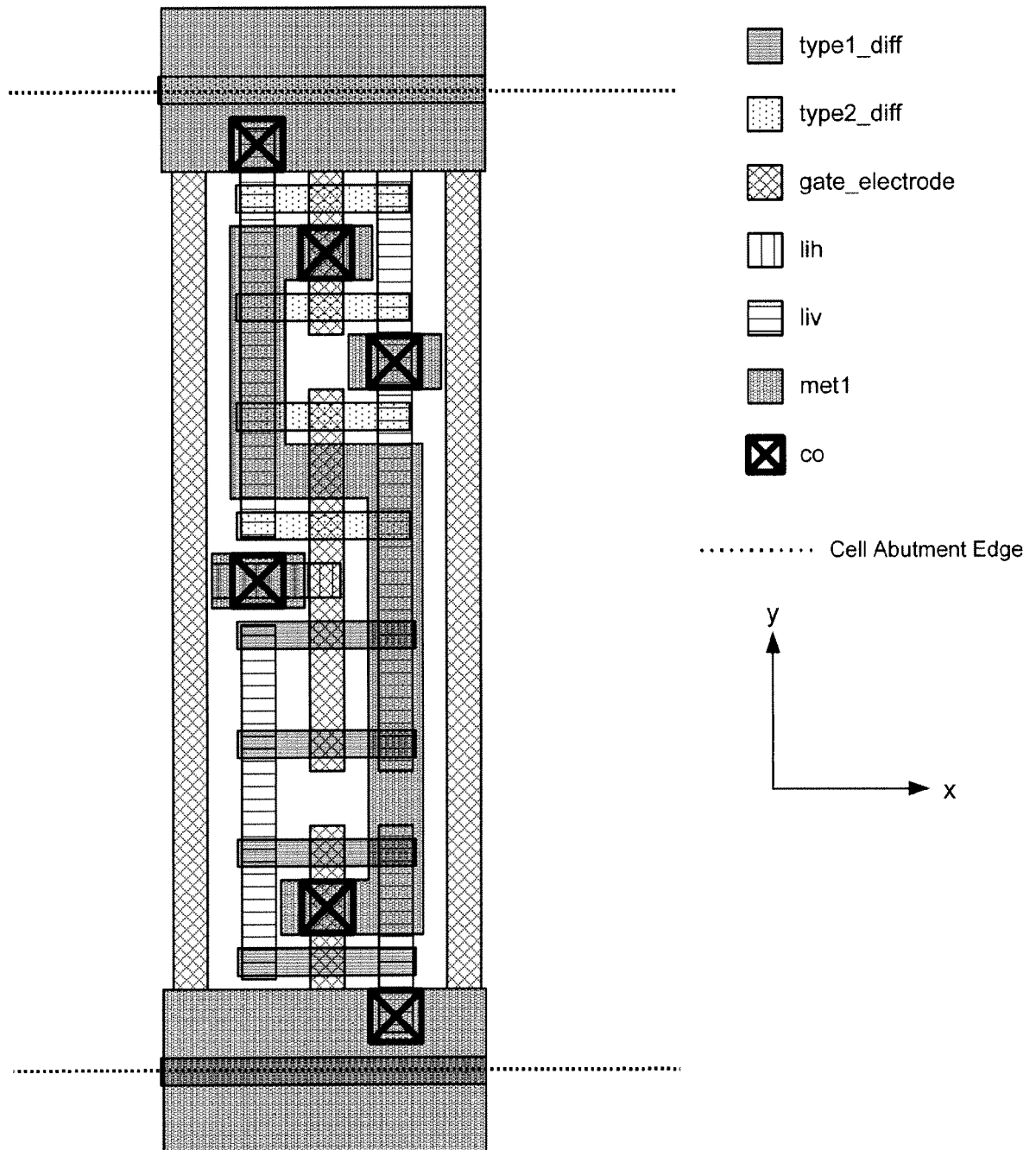


Fig. 19B

45/164

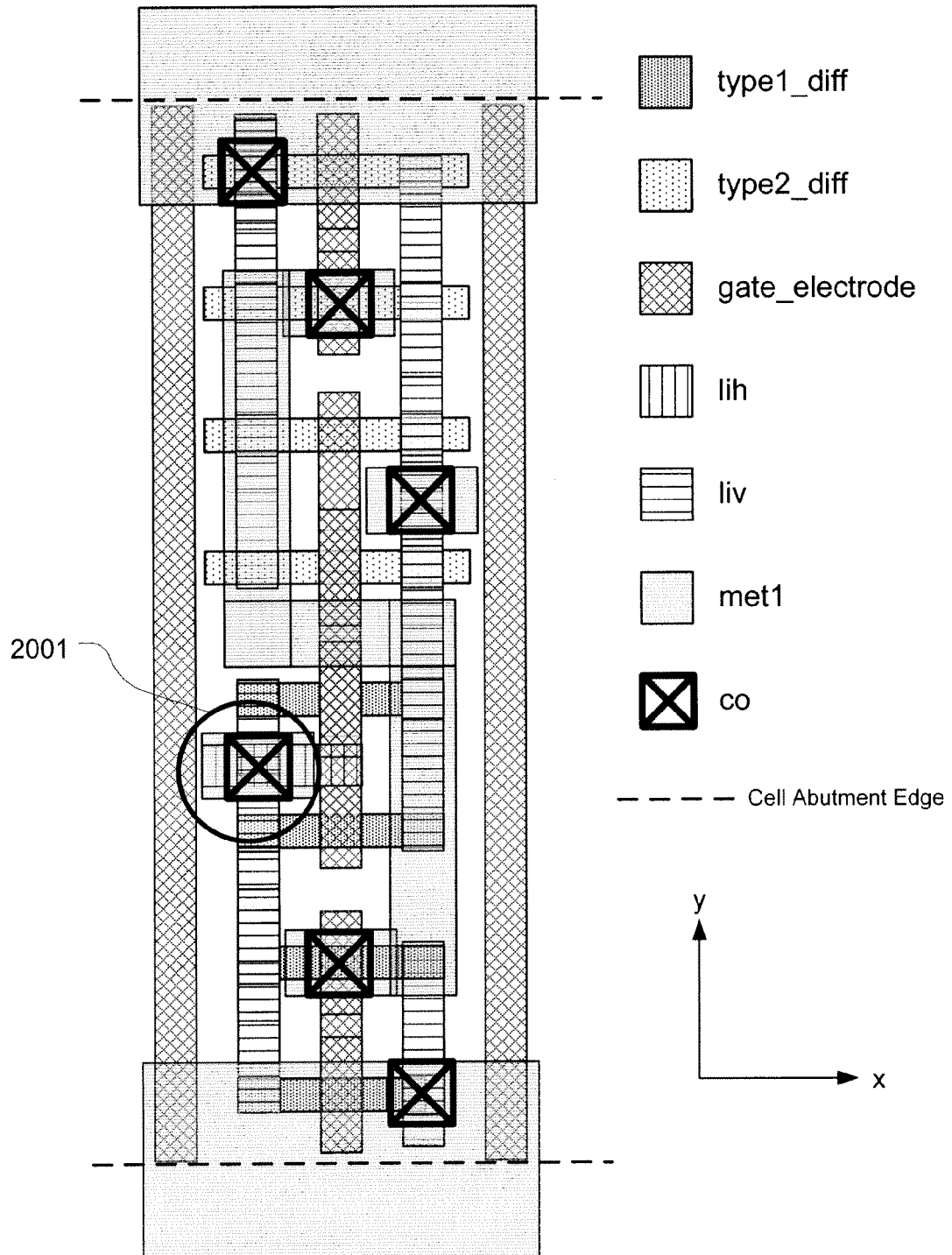


Fig. 20A

46/164

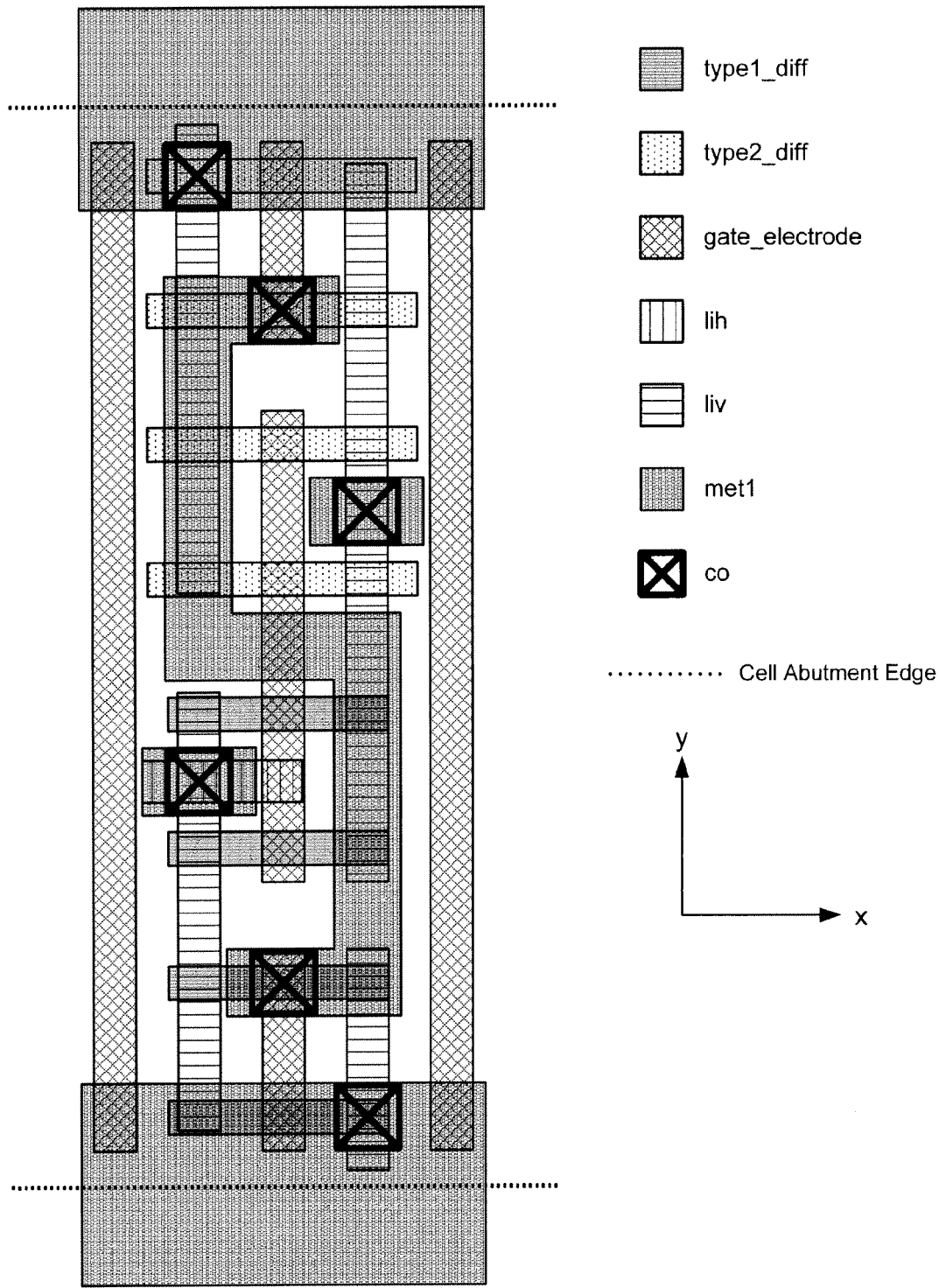


Fig. 20B

47/164

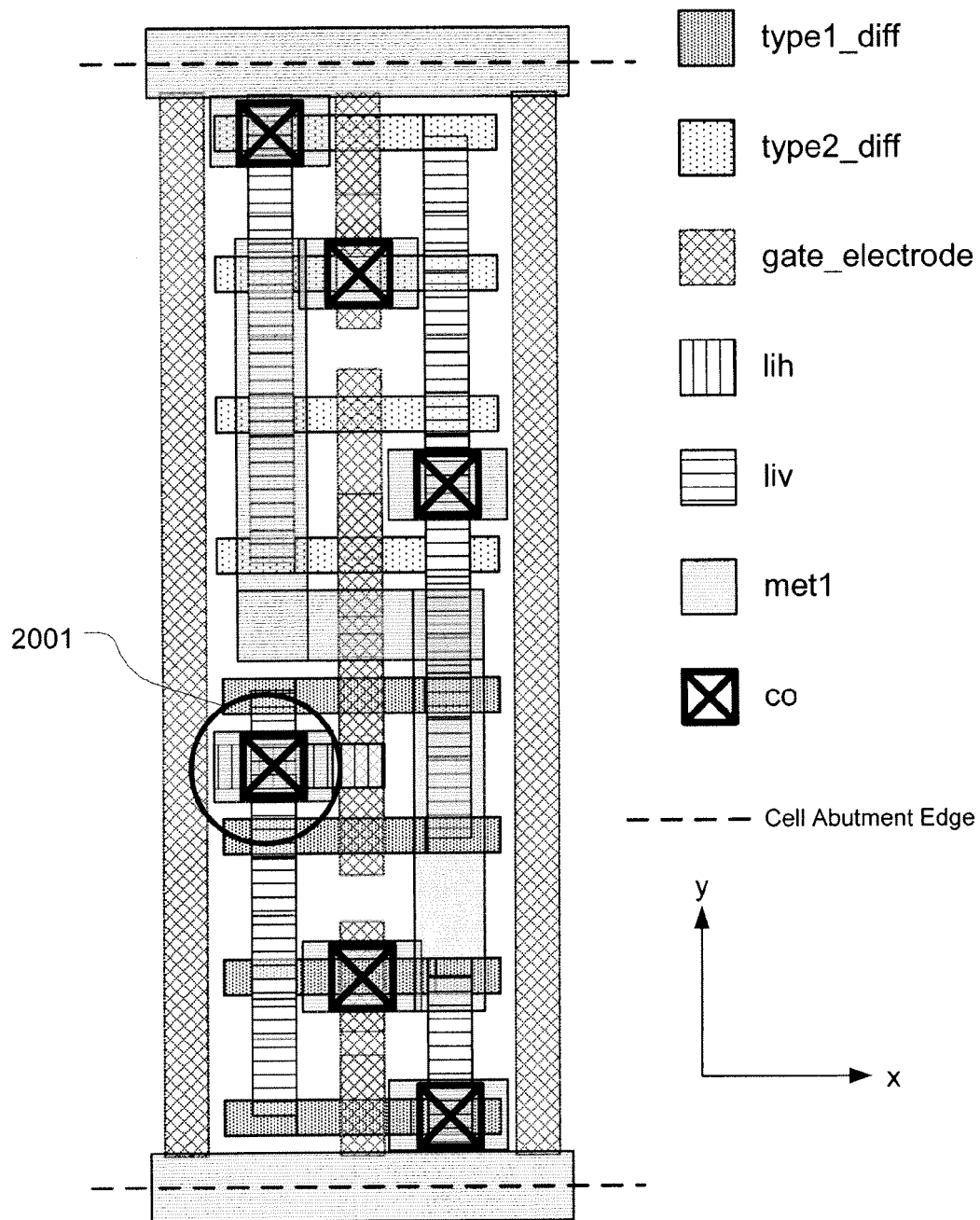


Fig. 21A

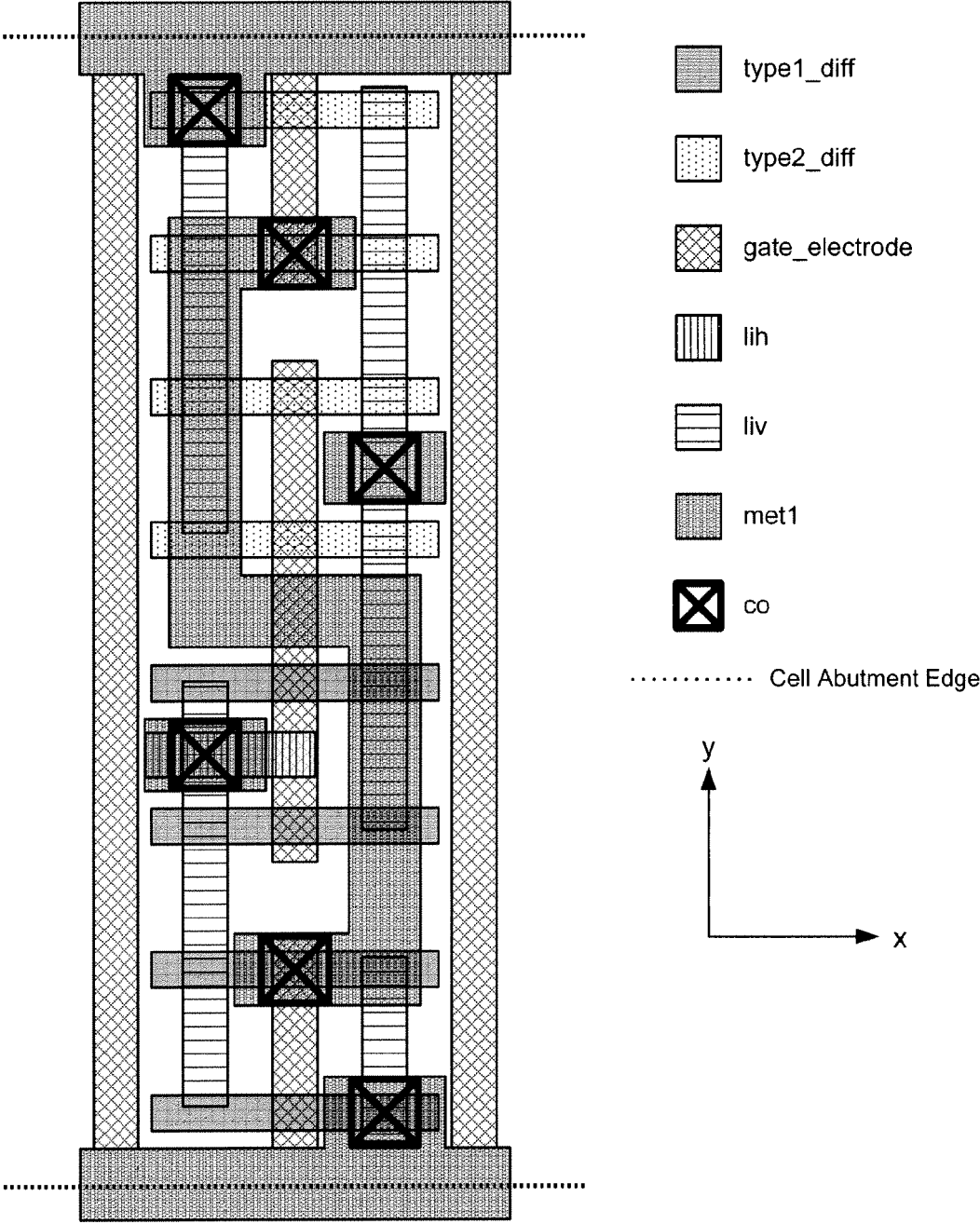


Fig. 21B

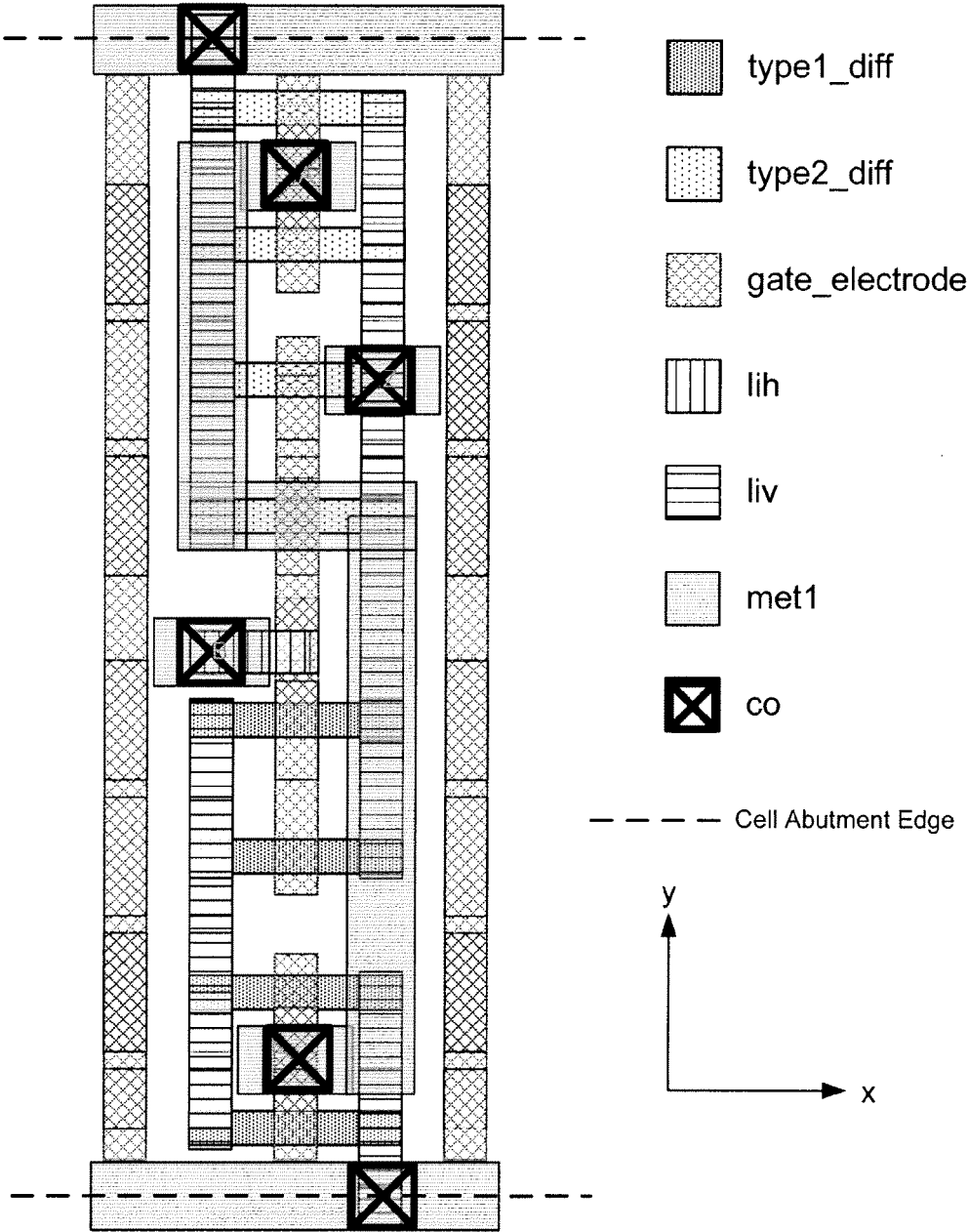


Fig. 22A

50/164

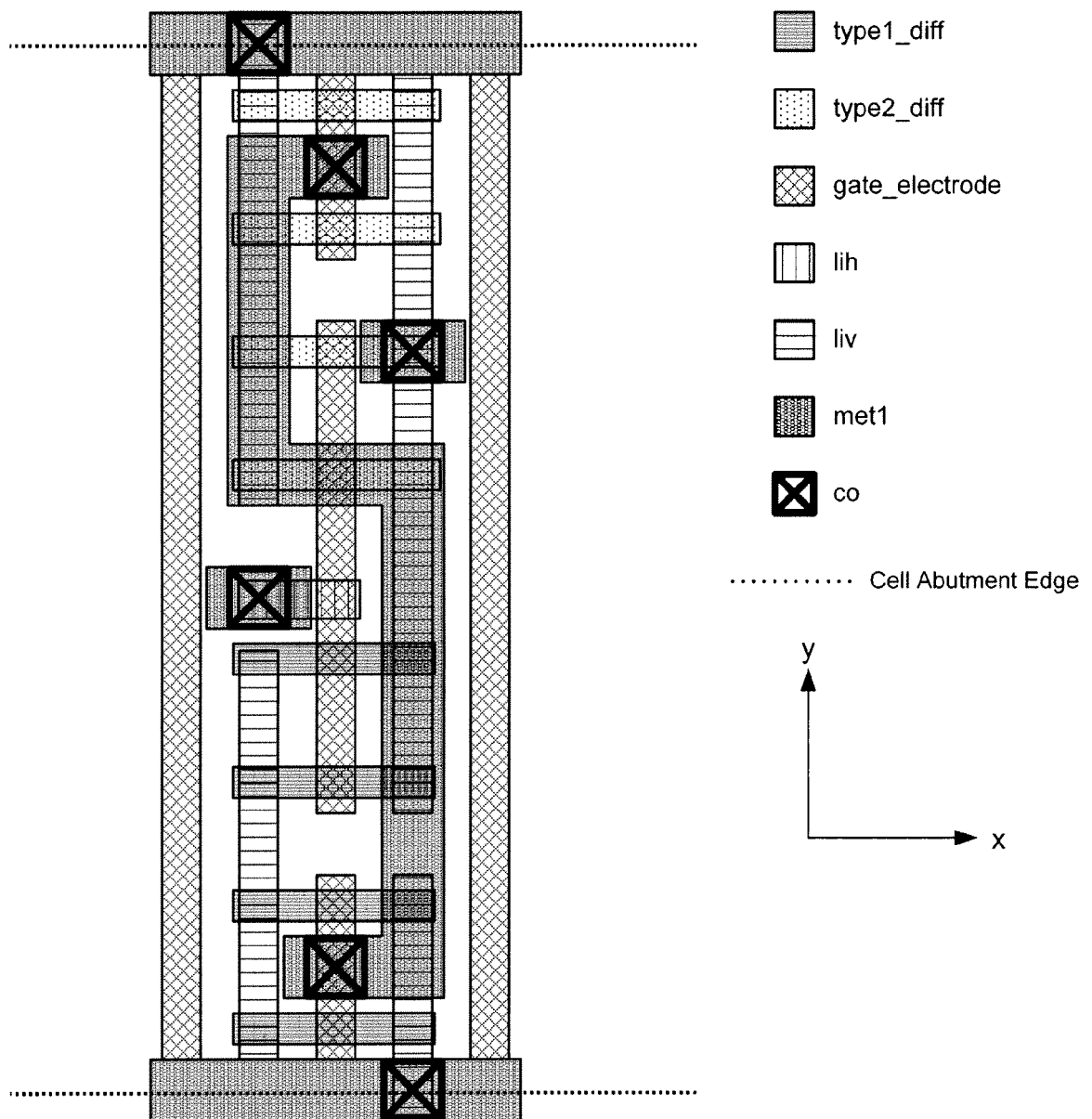


Fig. 22B

51/164

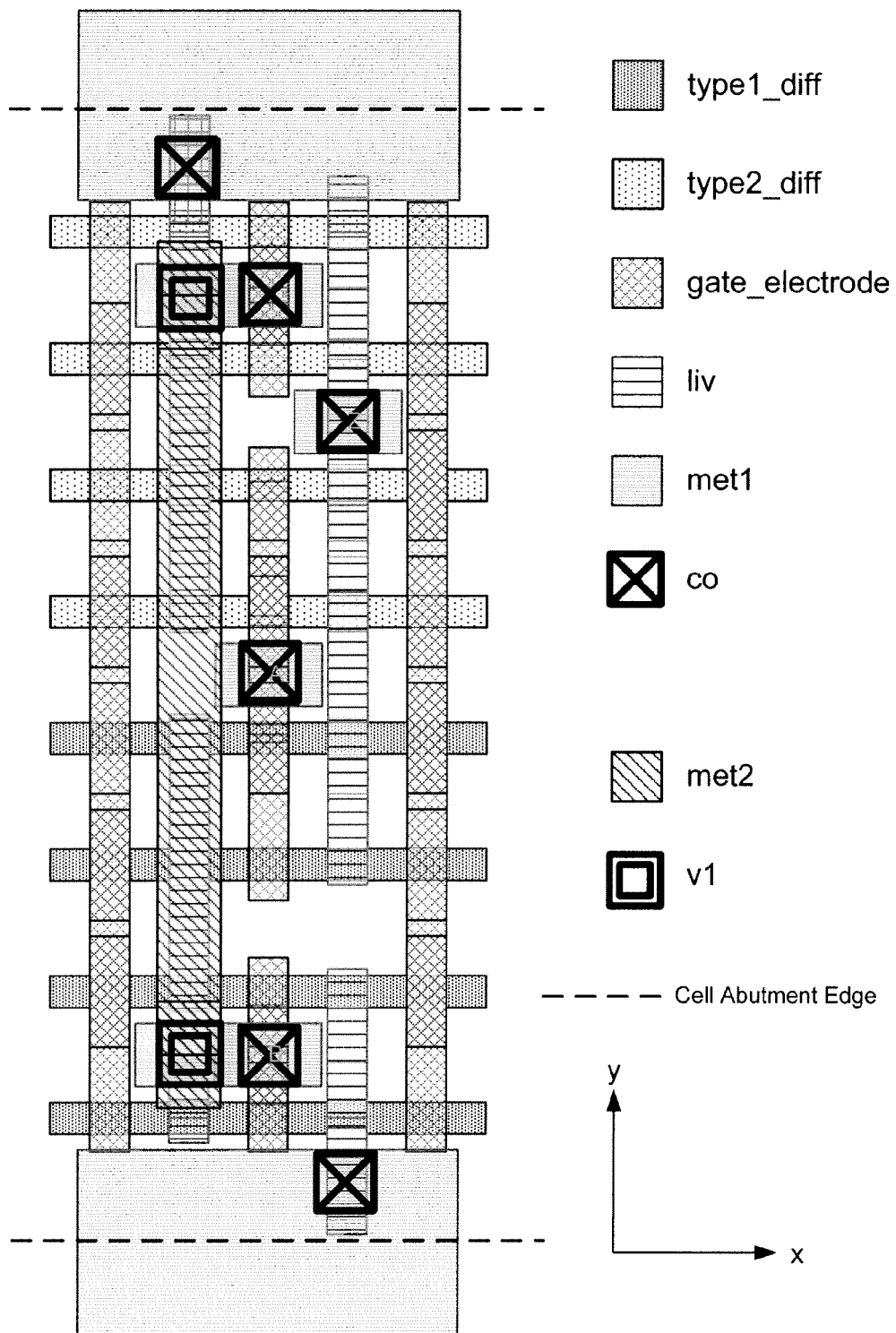


Fig. 23A

52/164

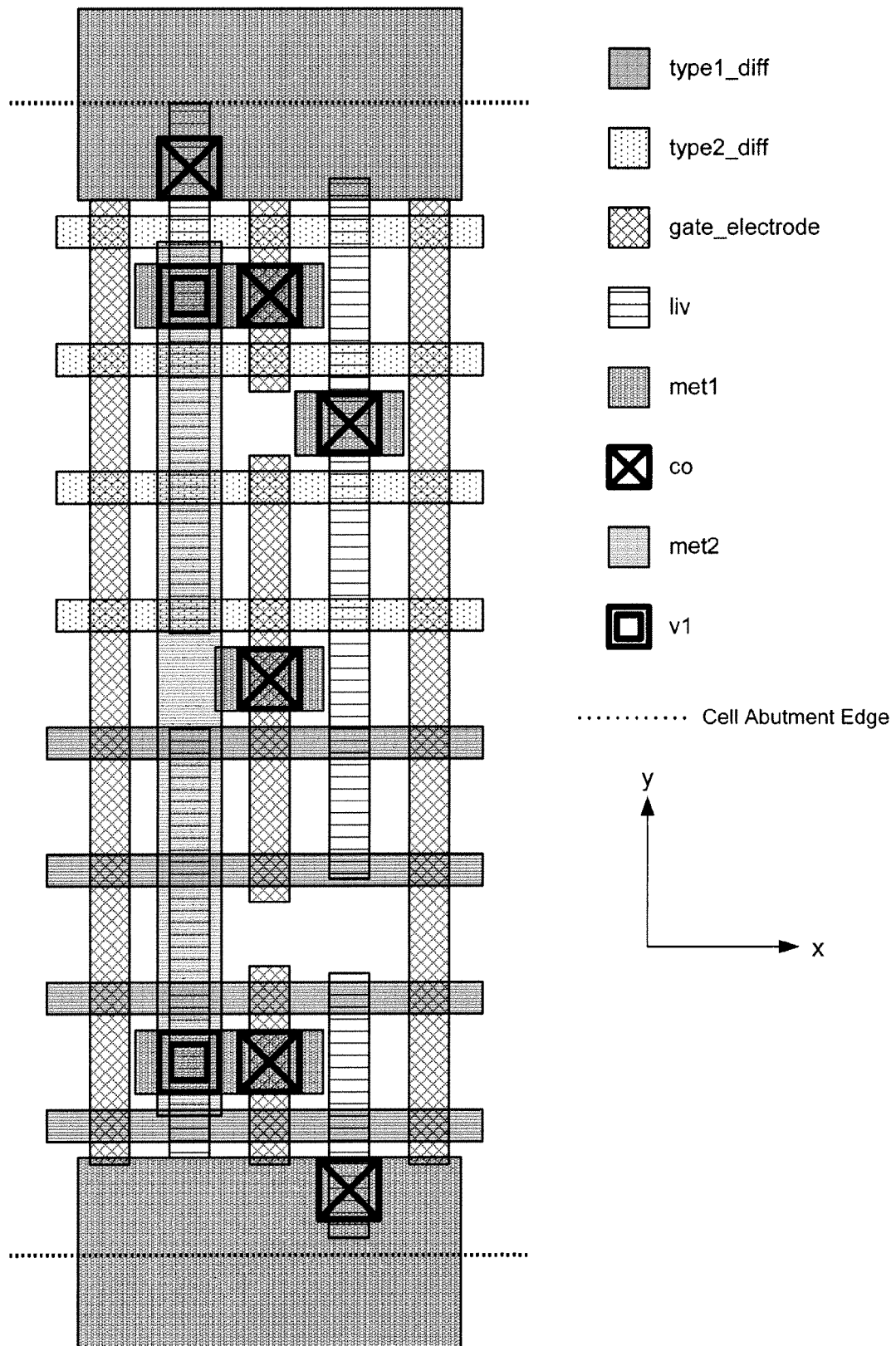


Fig. 23B

53/164

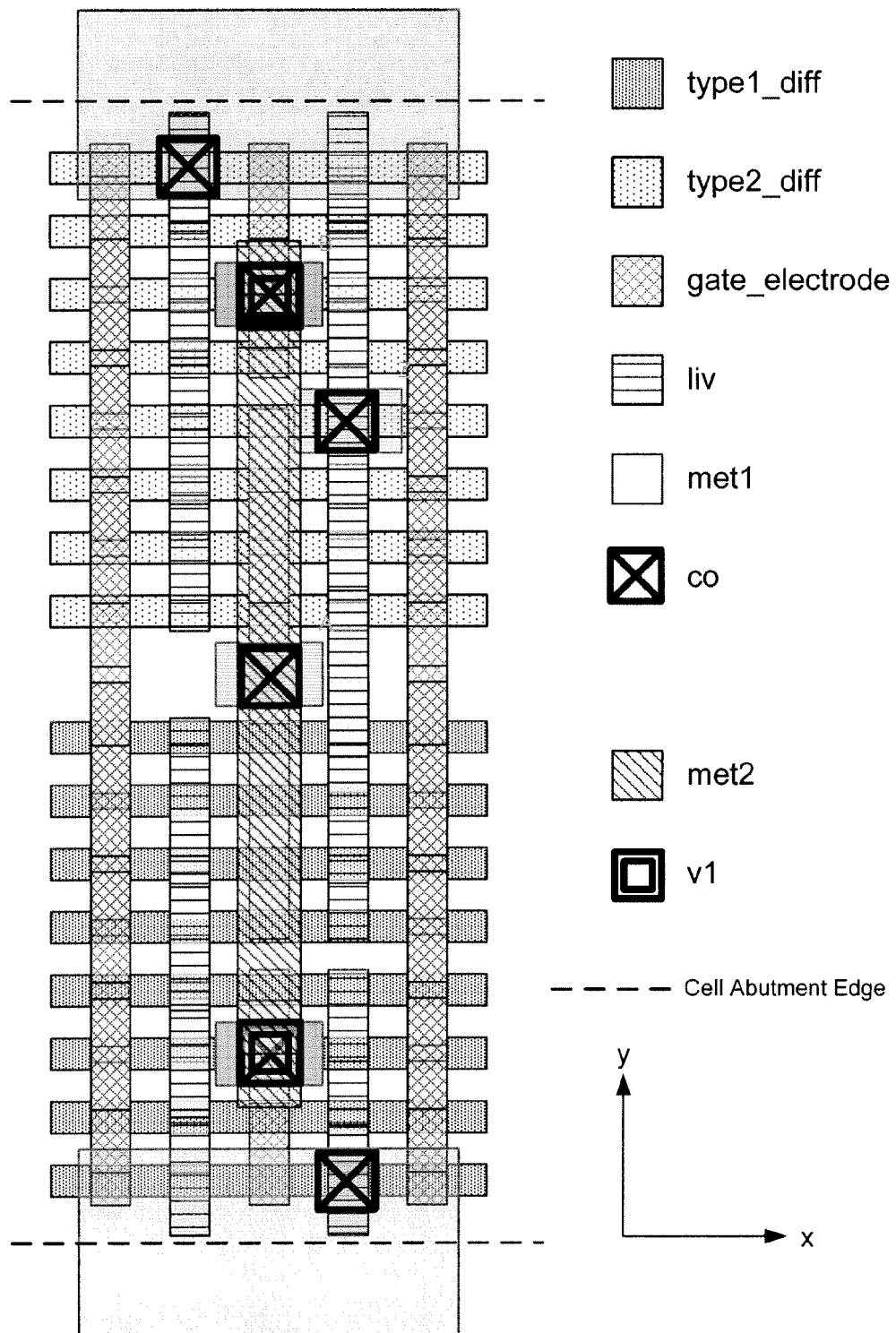


Fig. 24A

54/164

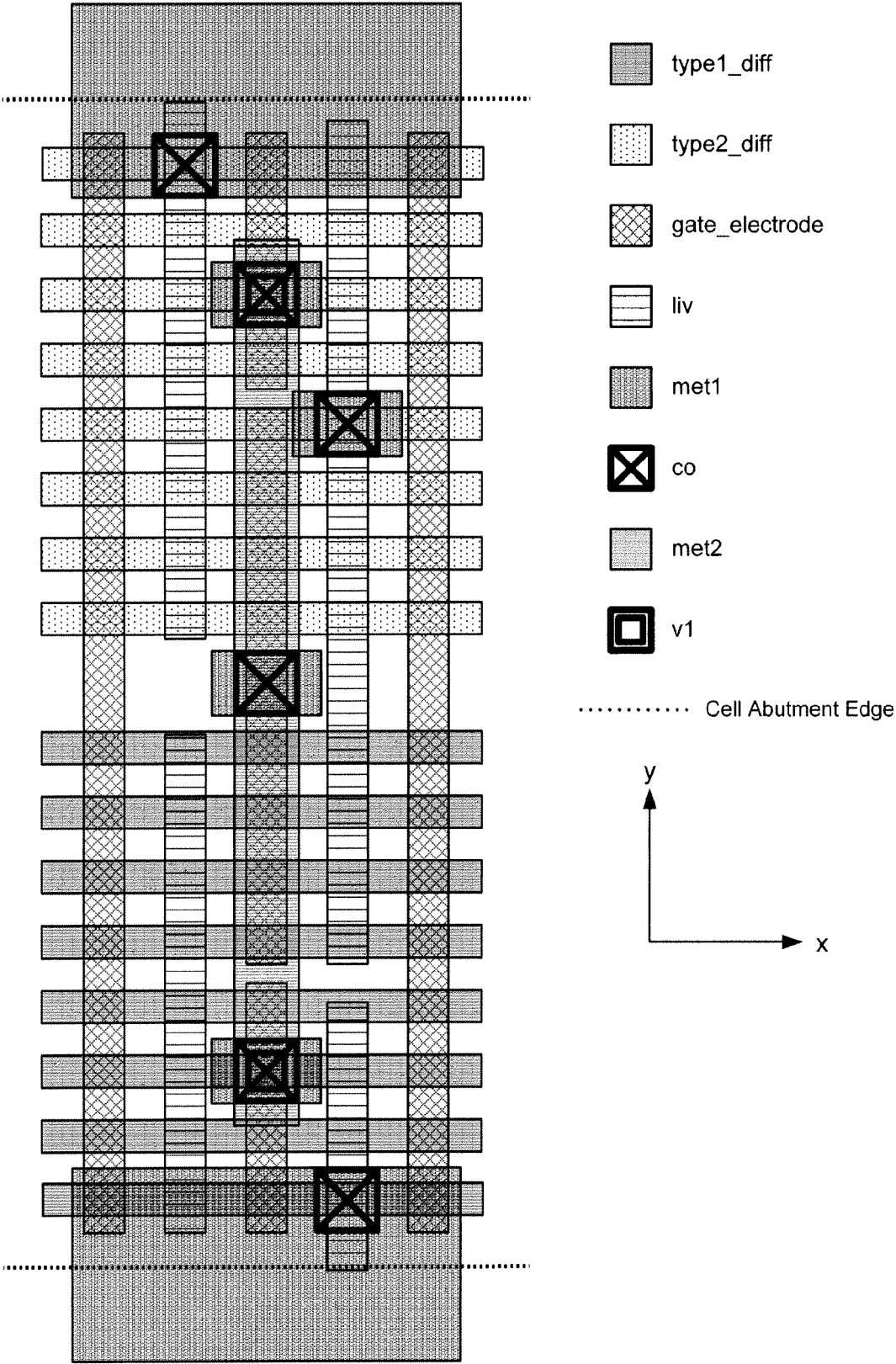


Fig. 24B

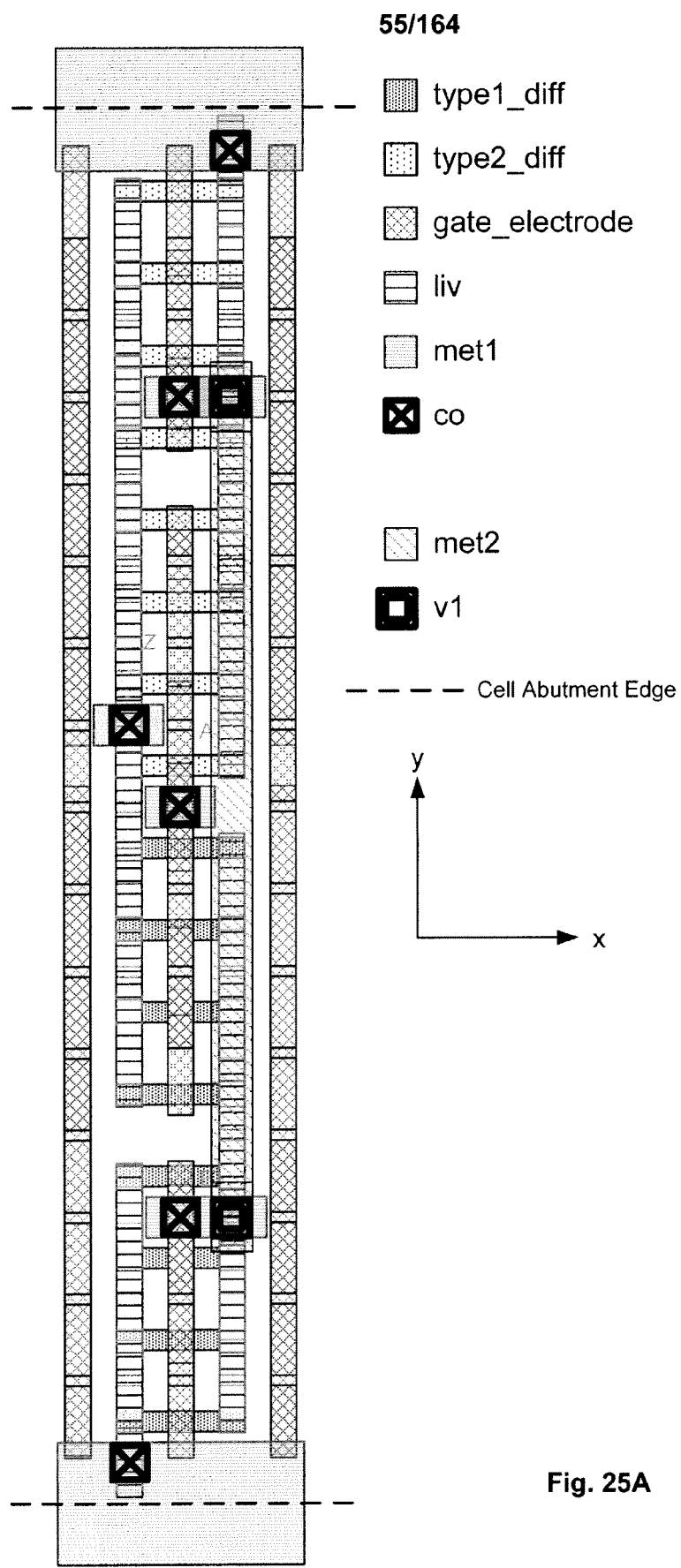


Fig. 25A

56/164

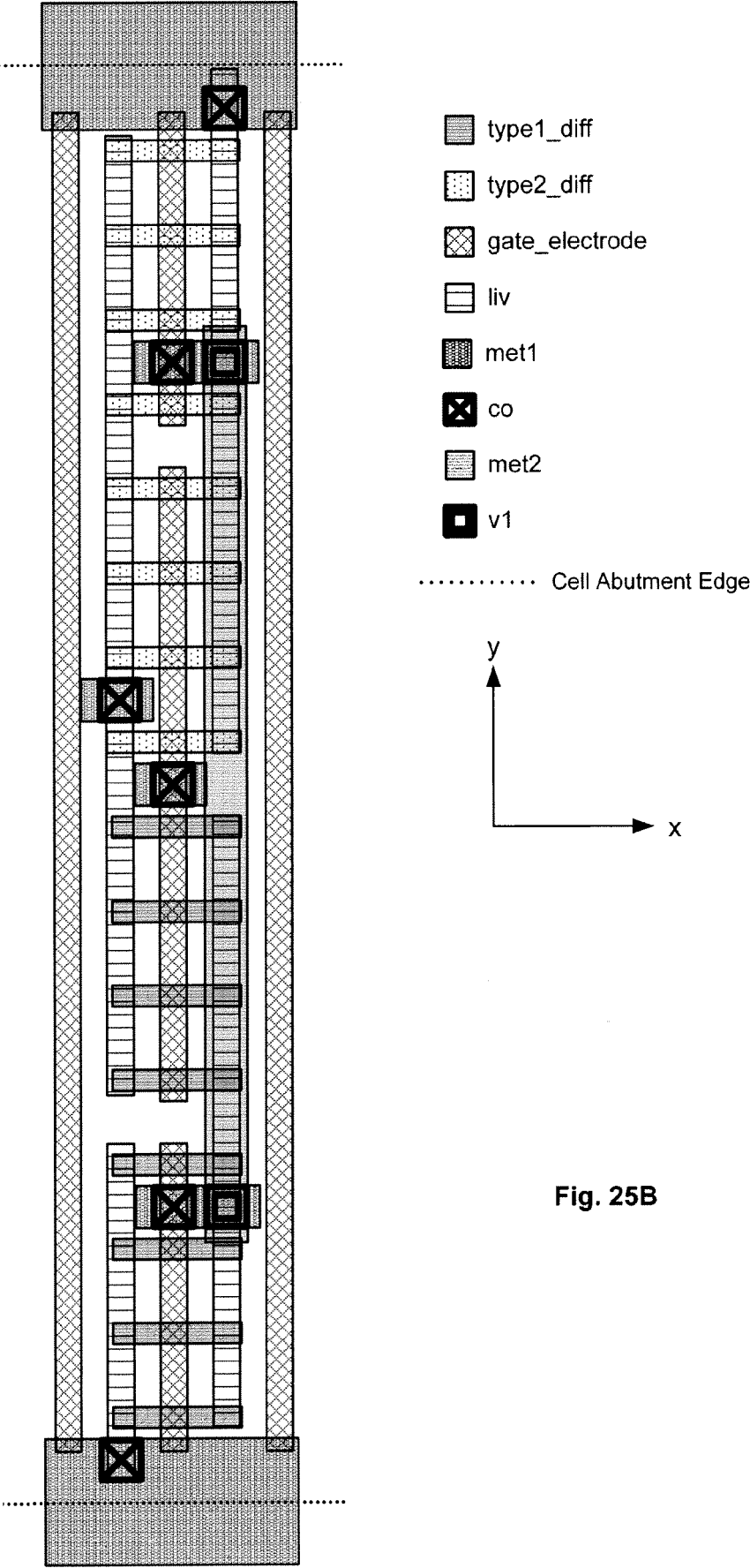


Fig. 25B

57/164

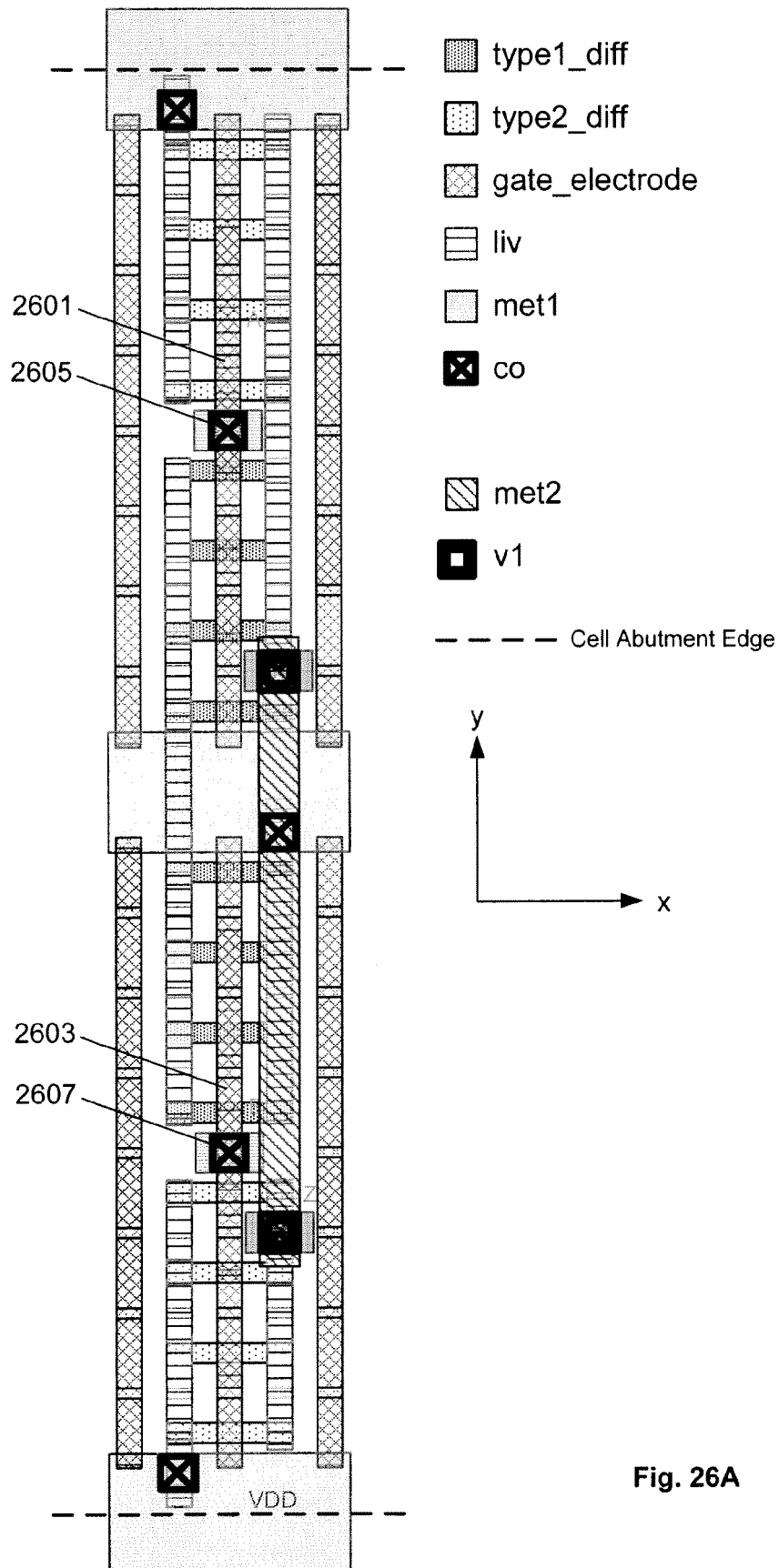


Fig. 26A

58/164

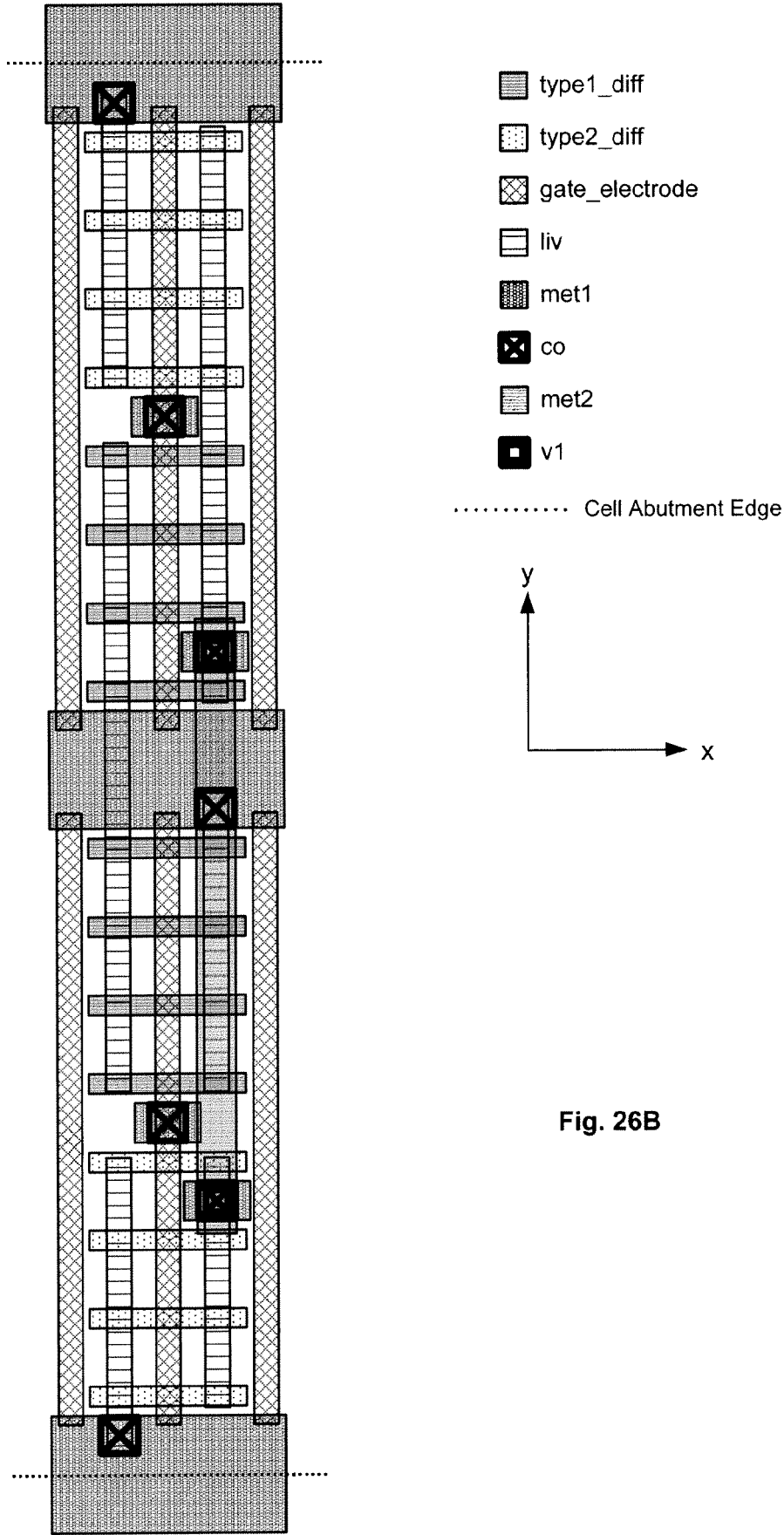


Fig. 26B

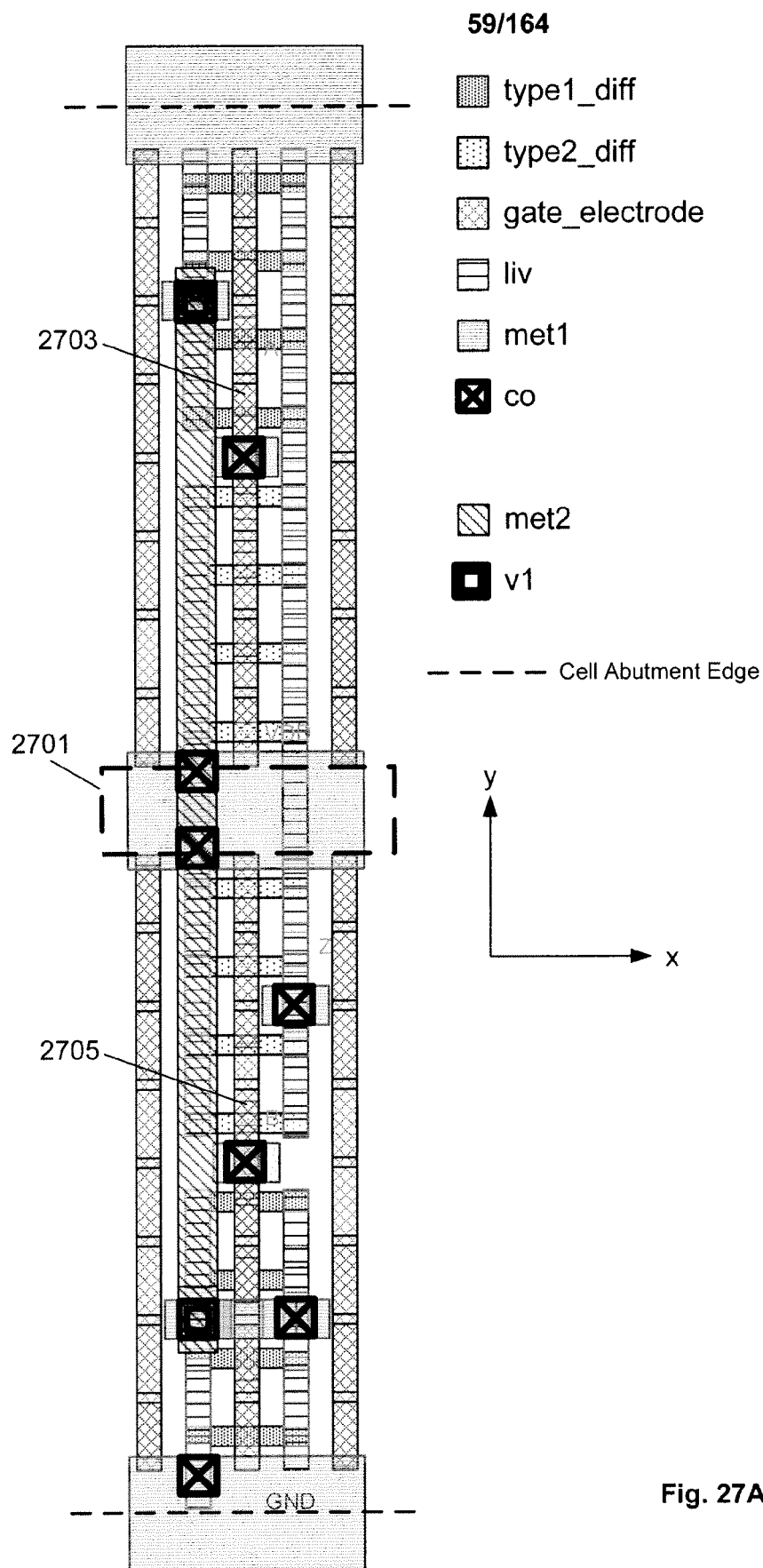


Fig. 27A

60/164

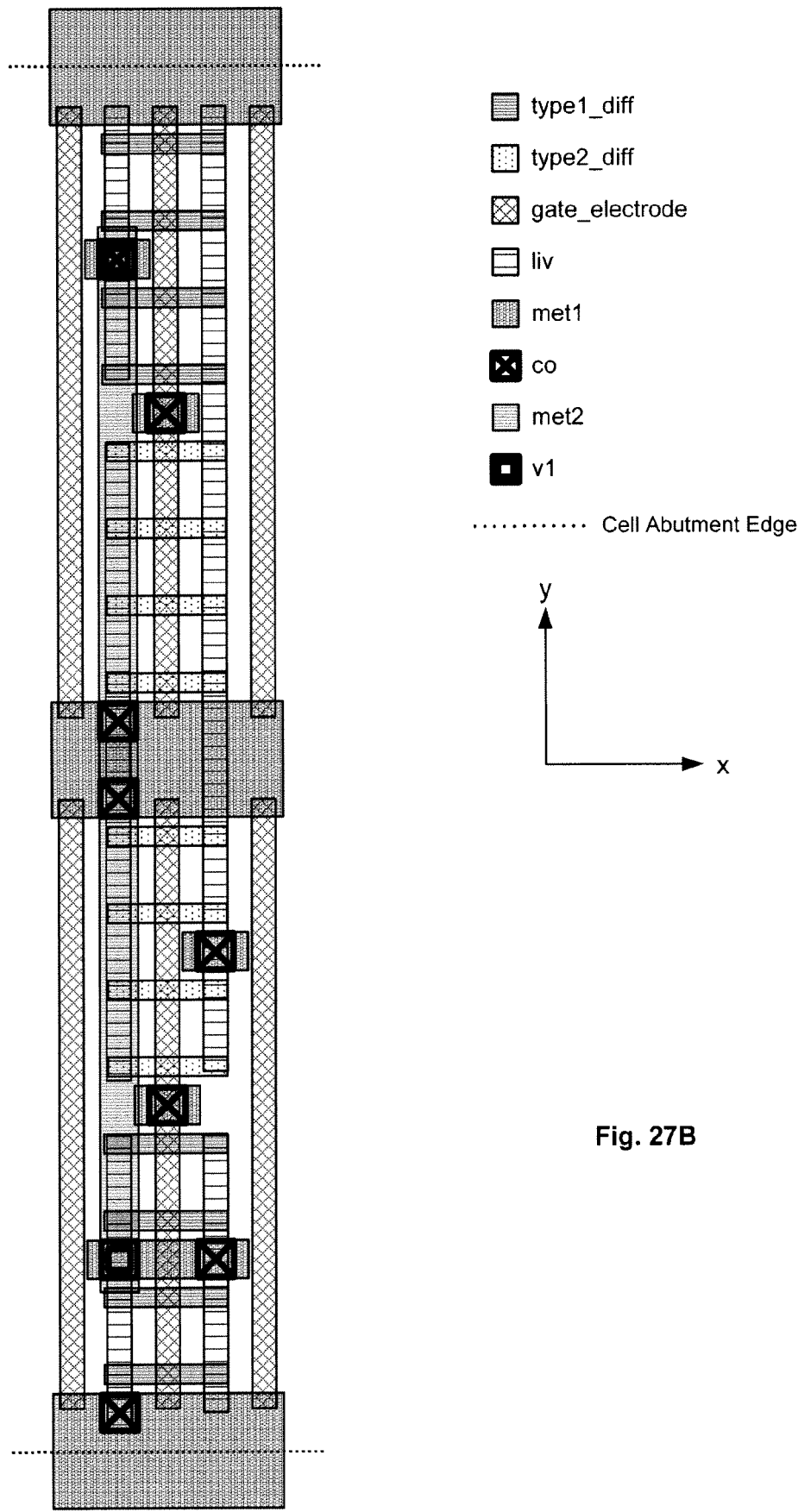


Fig. 27B

61/164

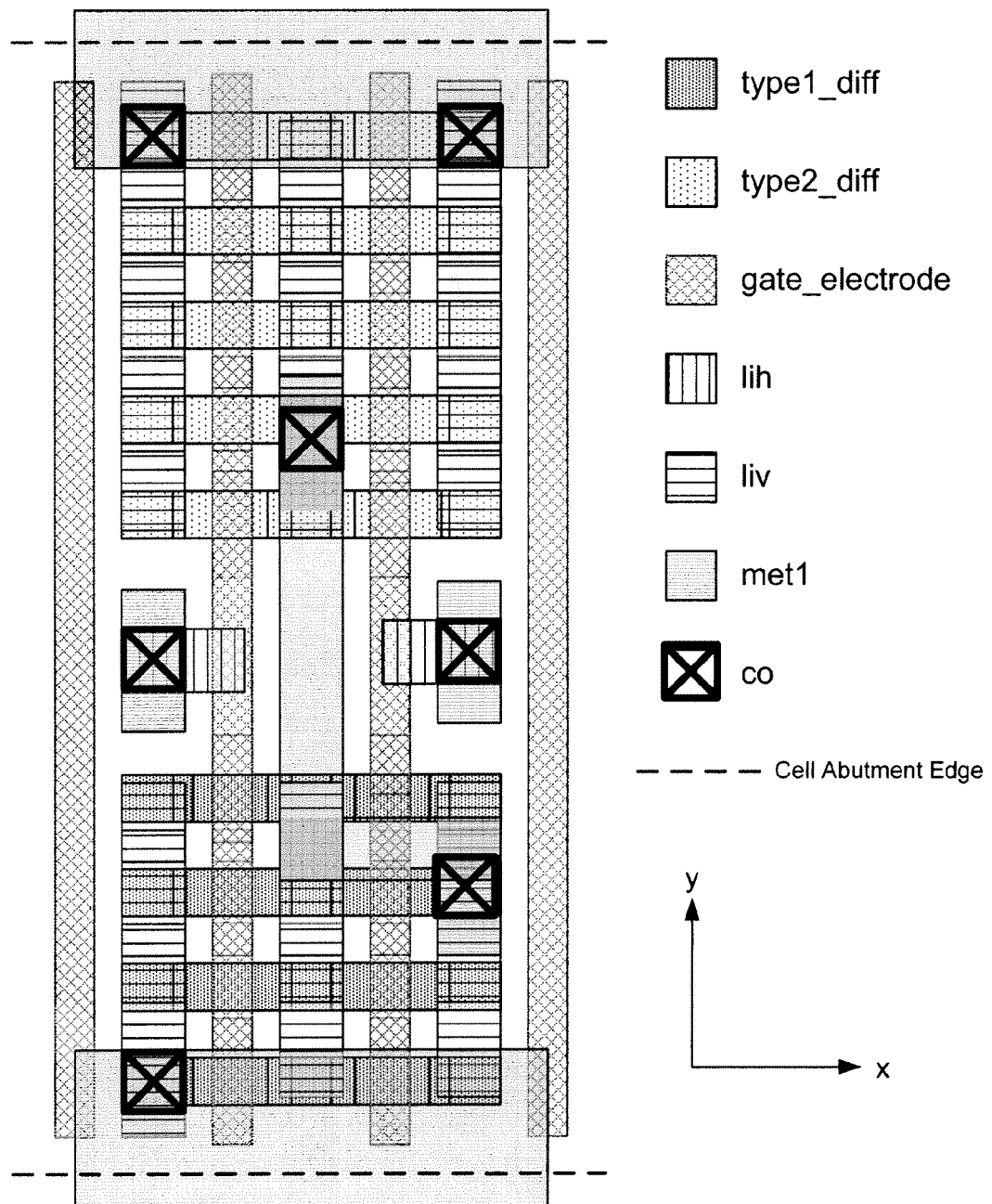


Fig. 28A

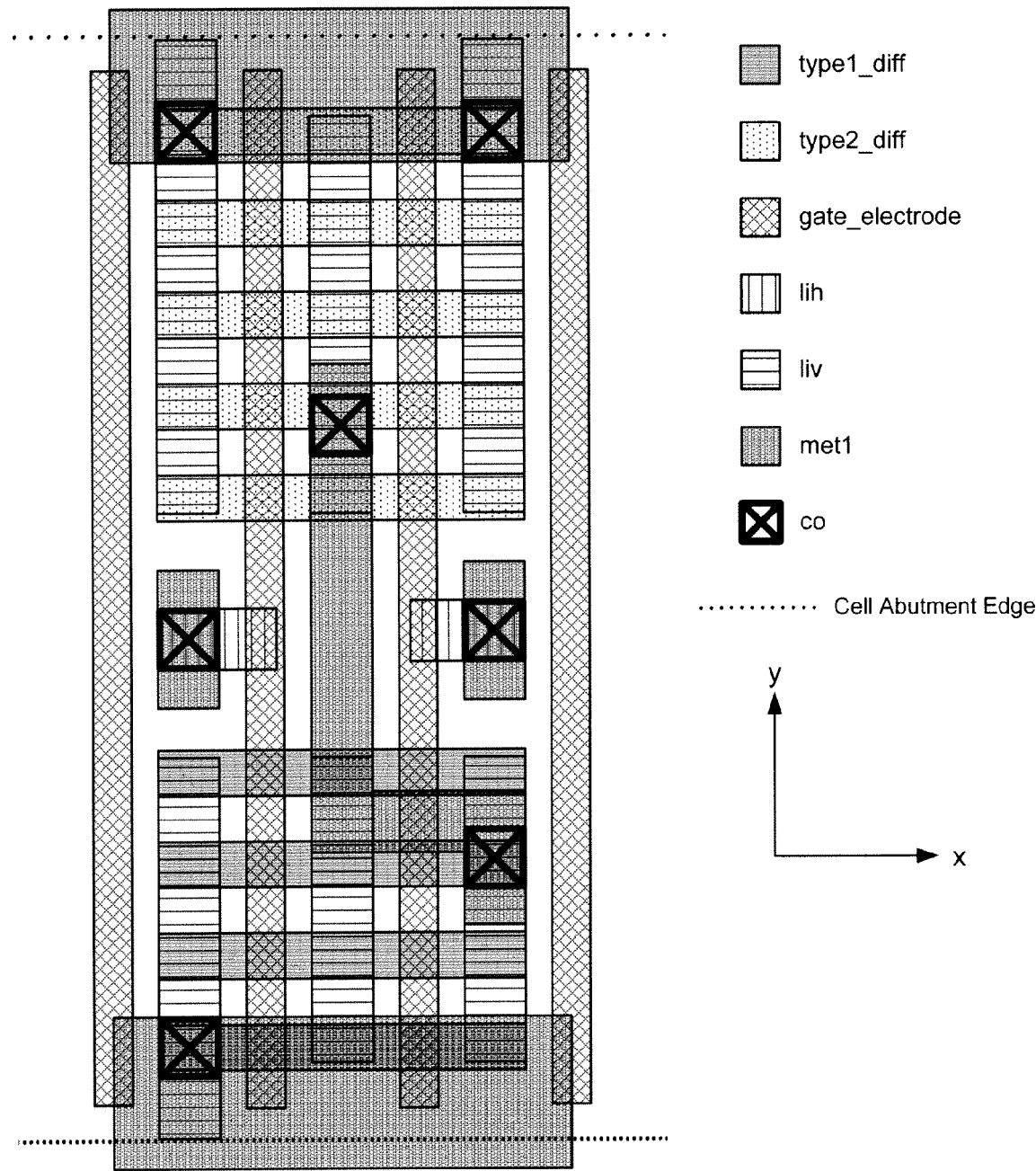


Fig. 28B

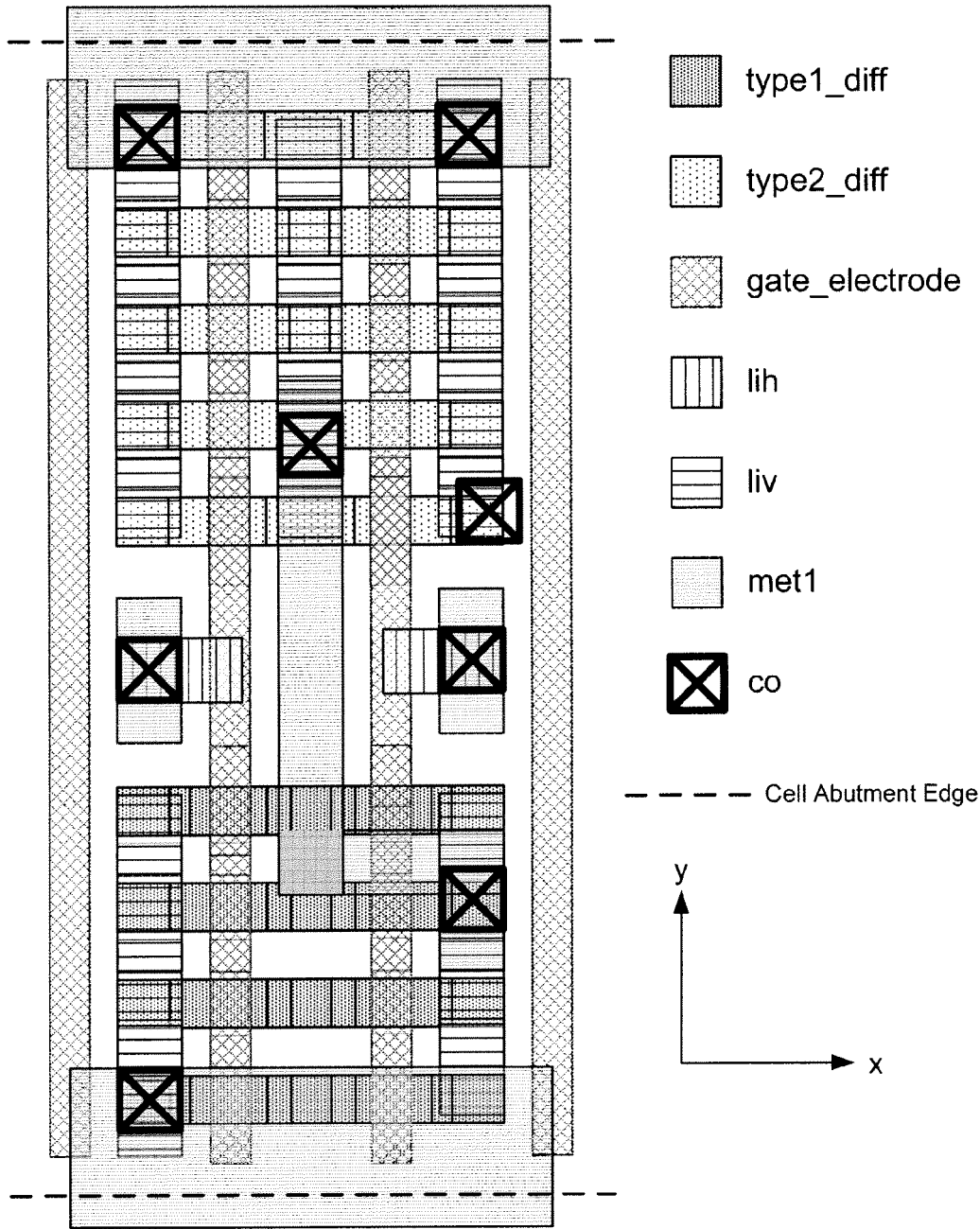


Fig. 29A

64/164

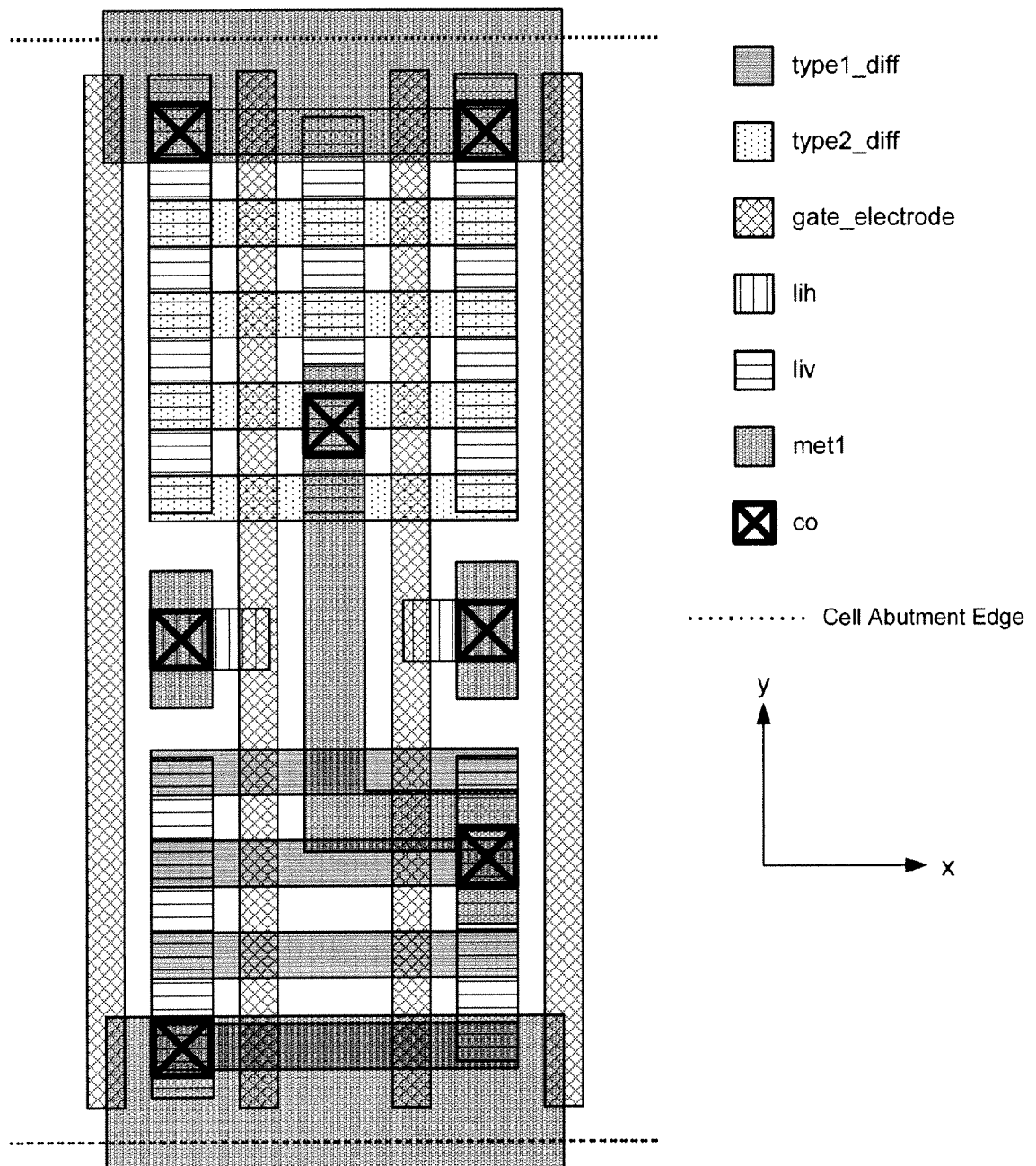


Fig. 29B

65/164

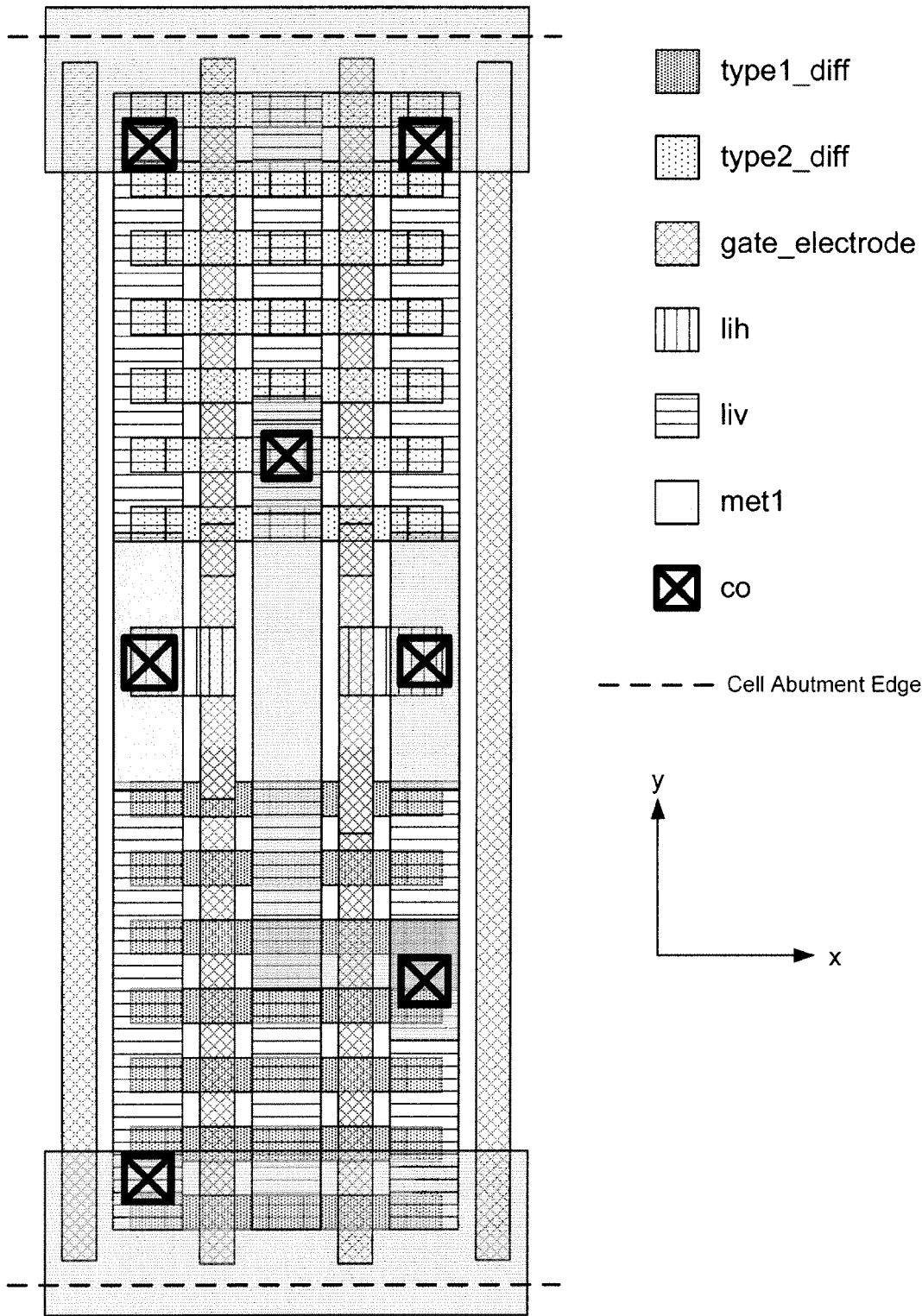


Fig. 30A

66/164

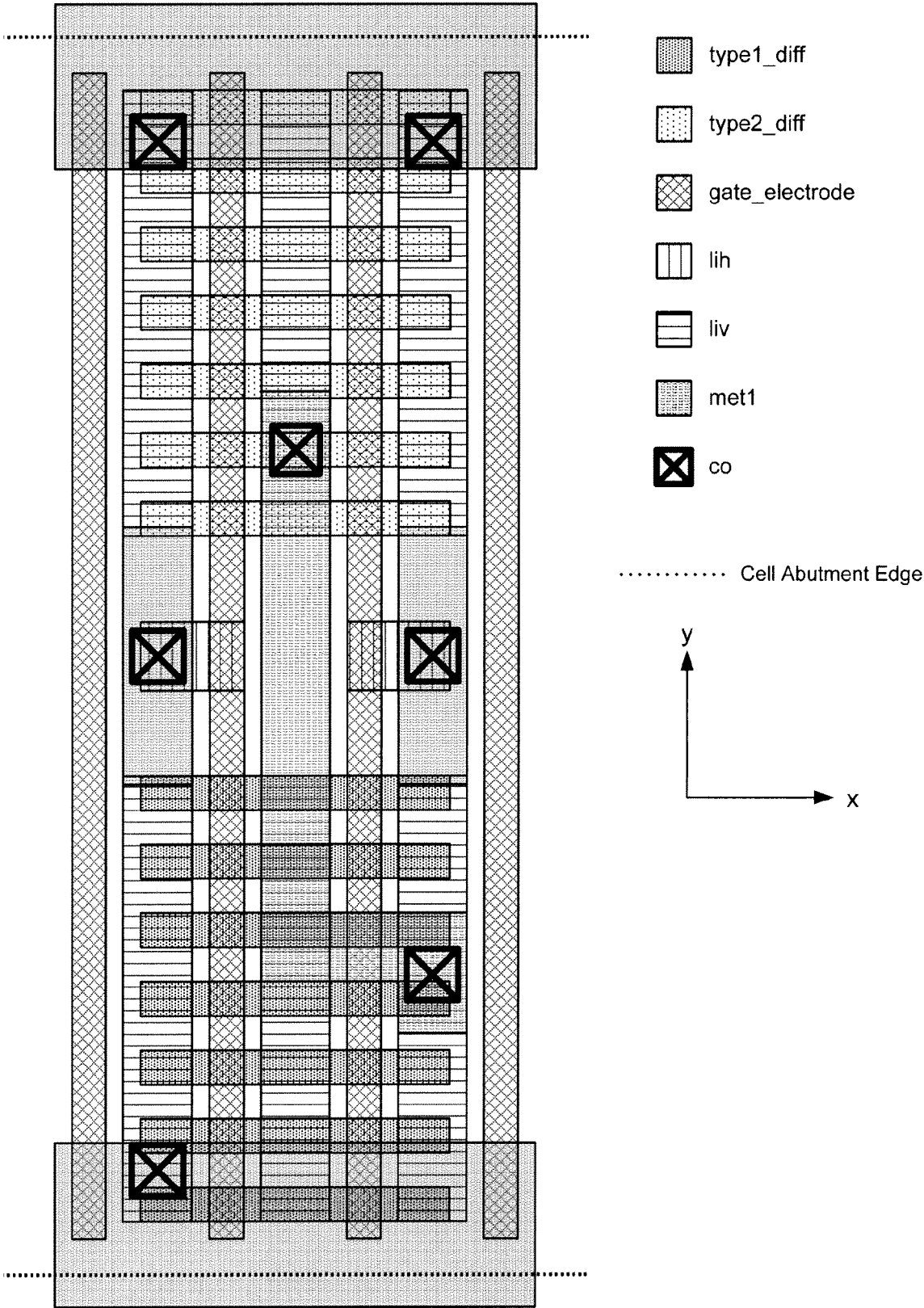


Fig. 30B

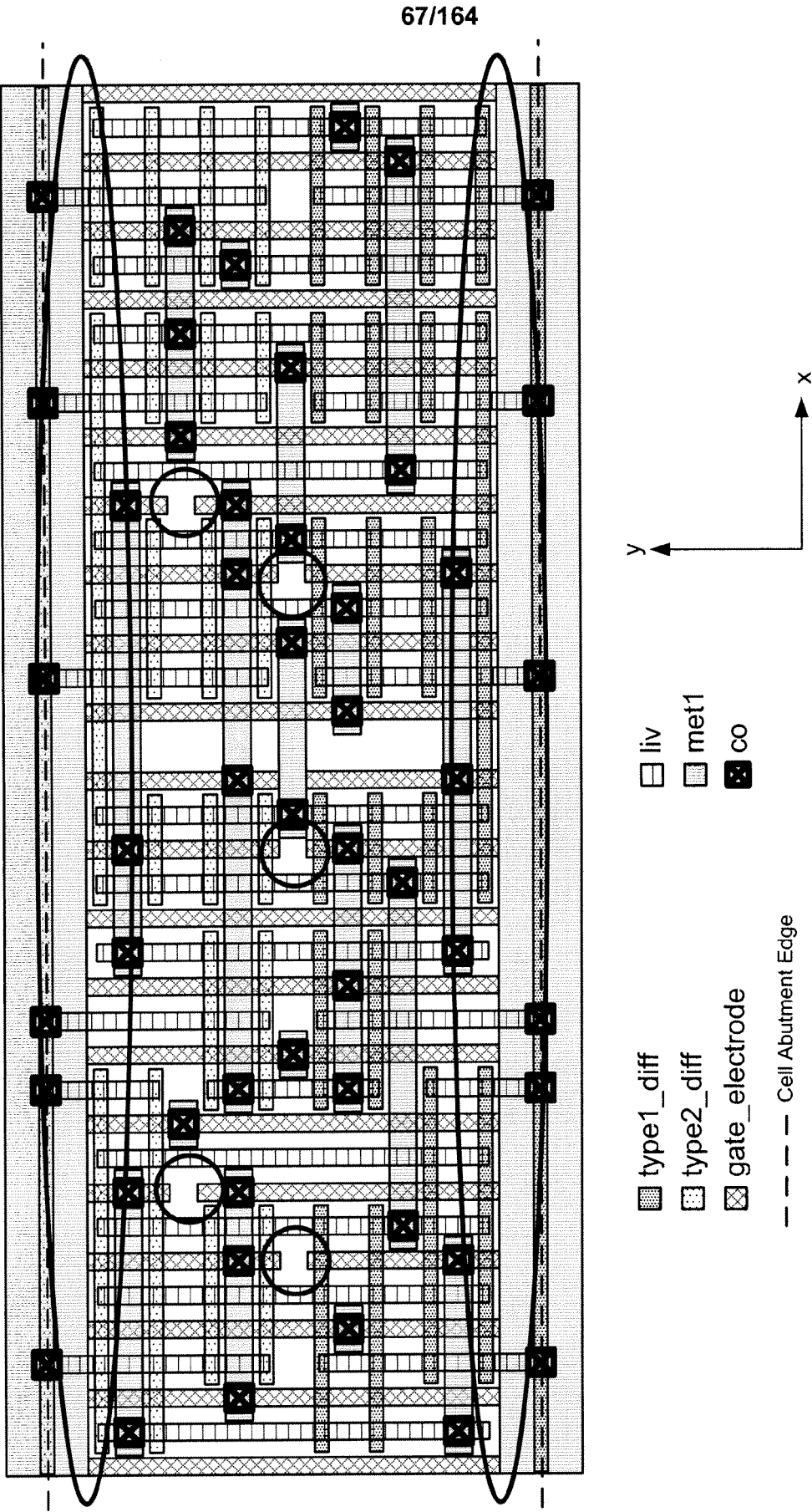


Fig. 31A

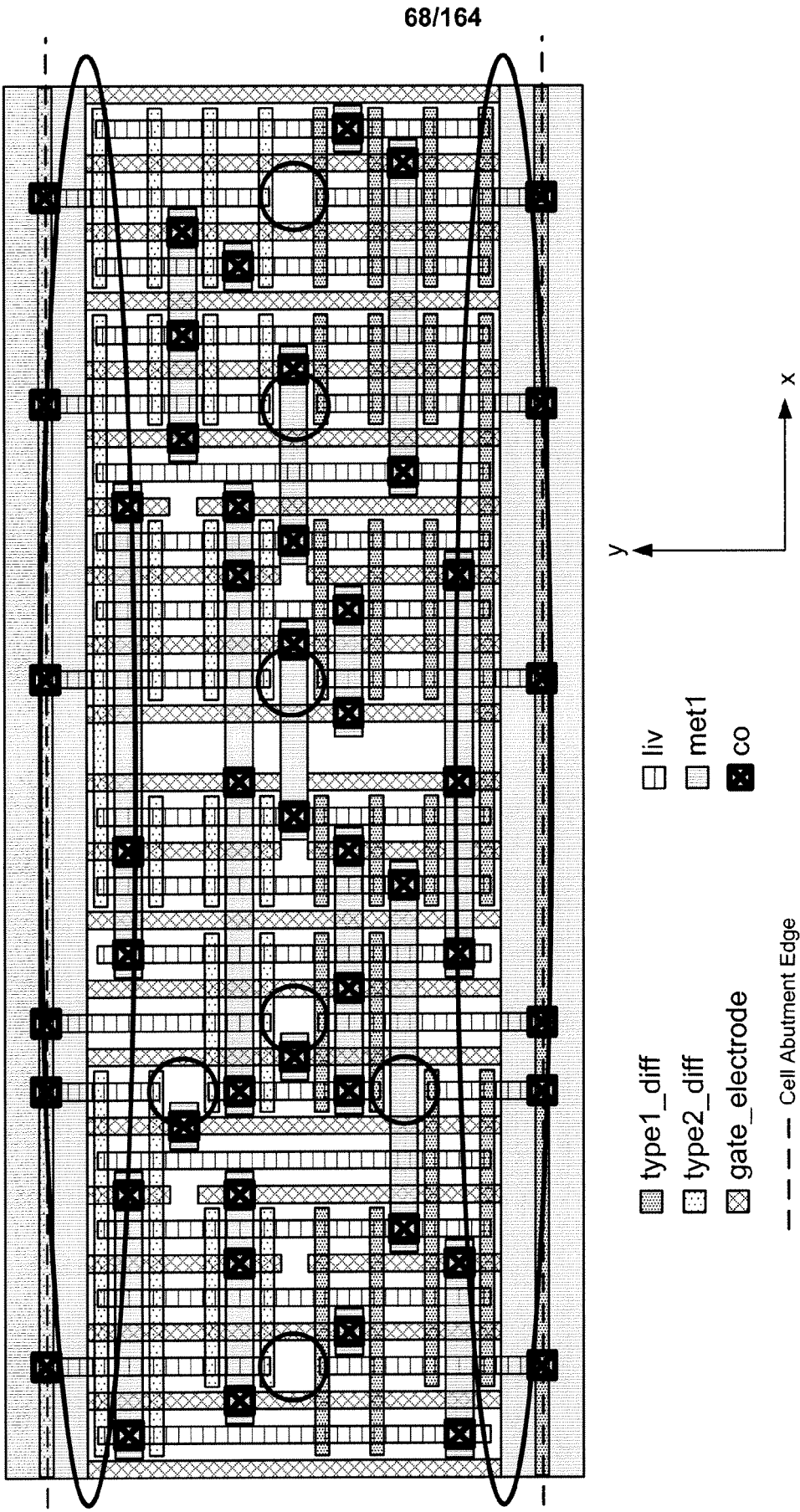


Fig. 31B

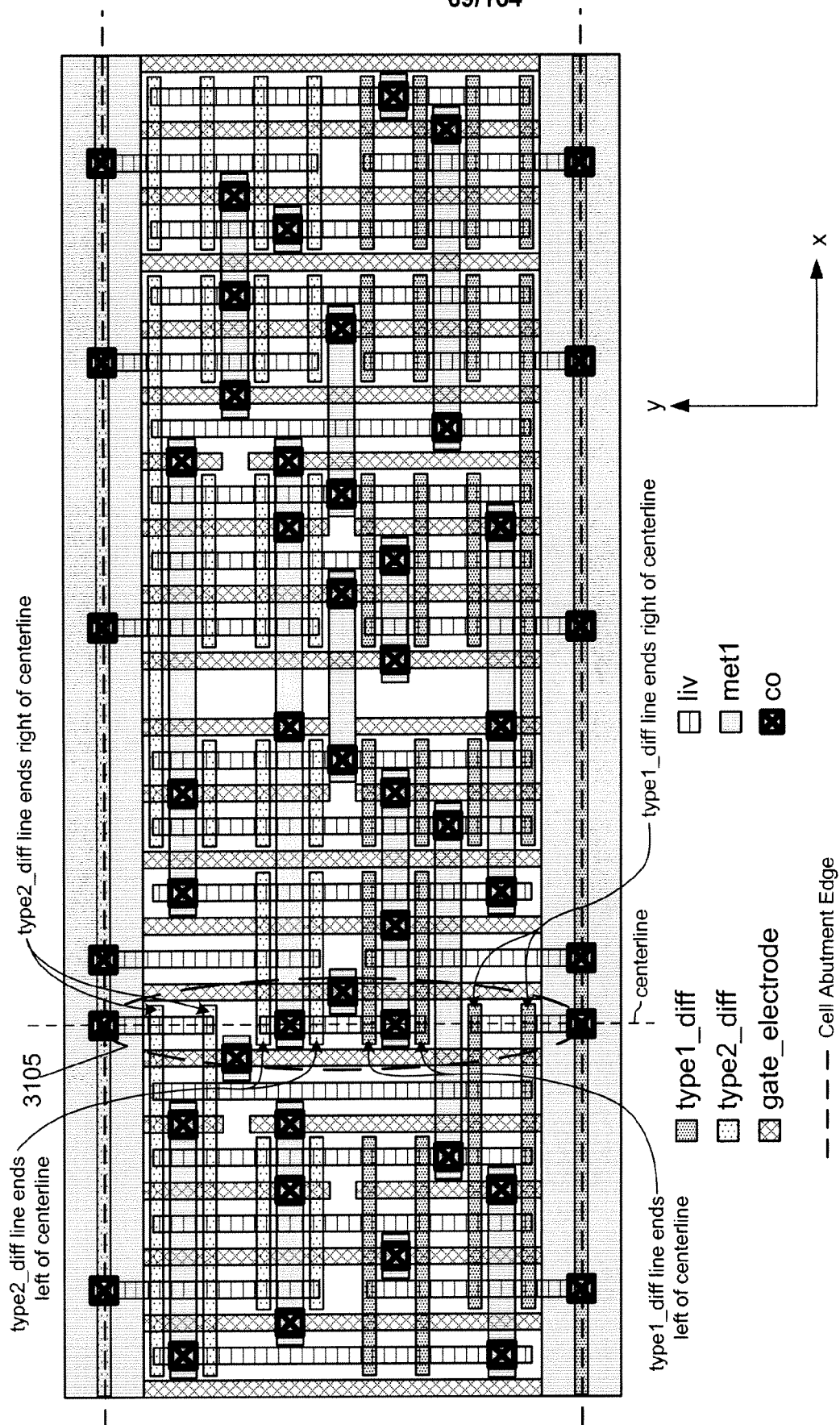
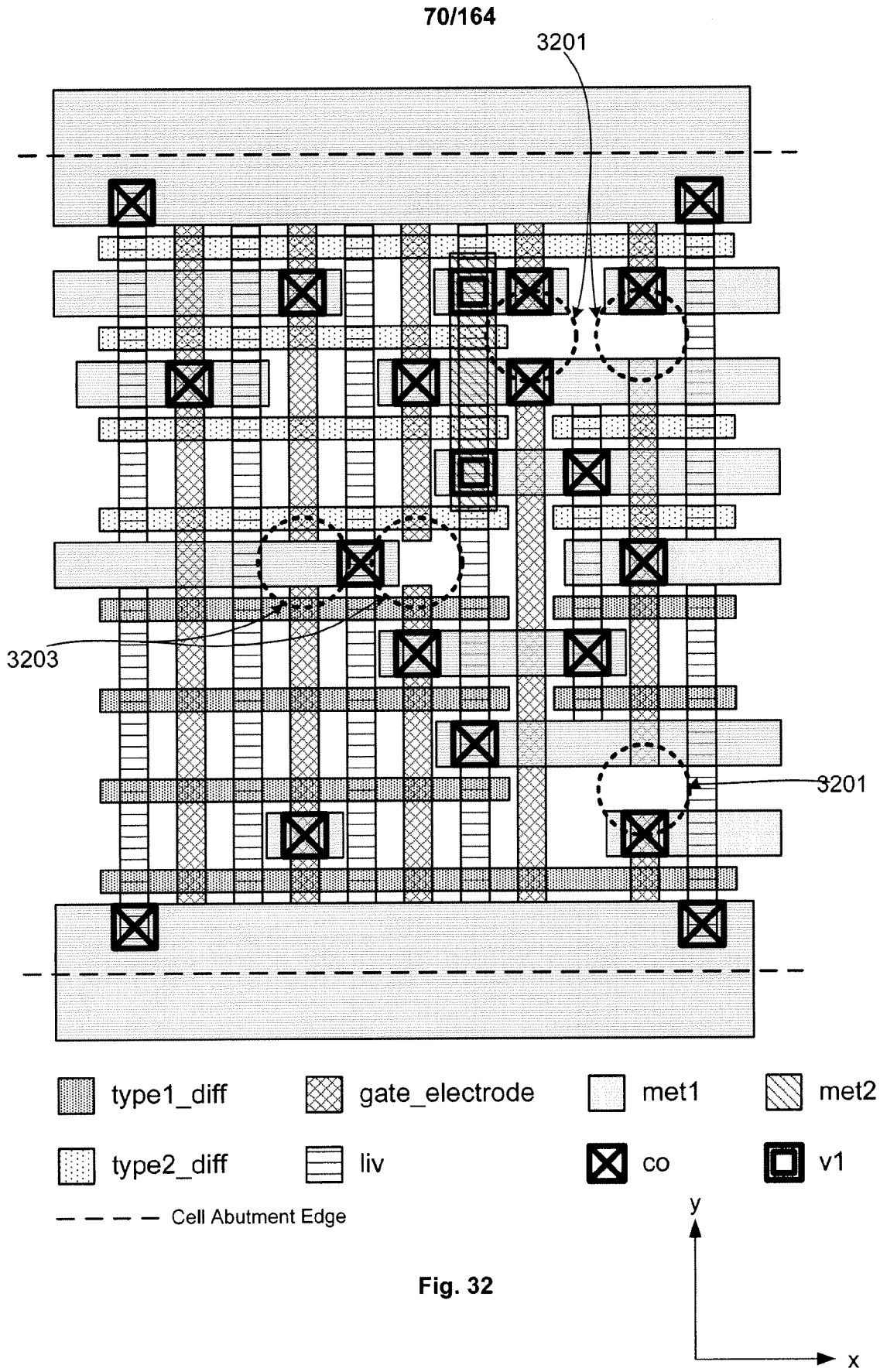


Fig. 31C



71/164

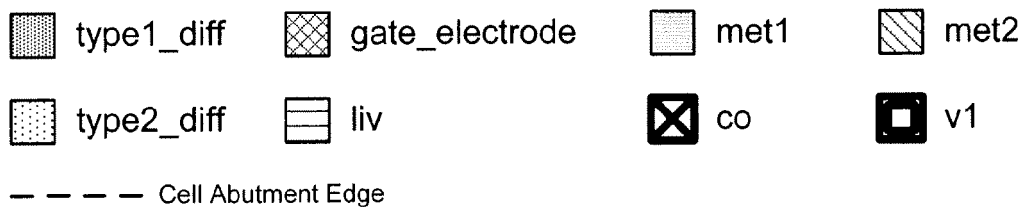
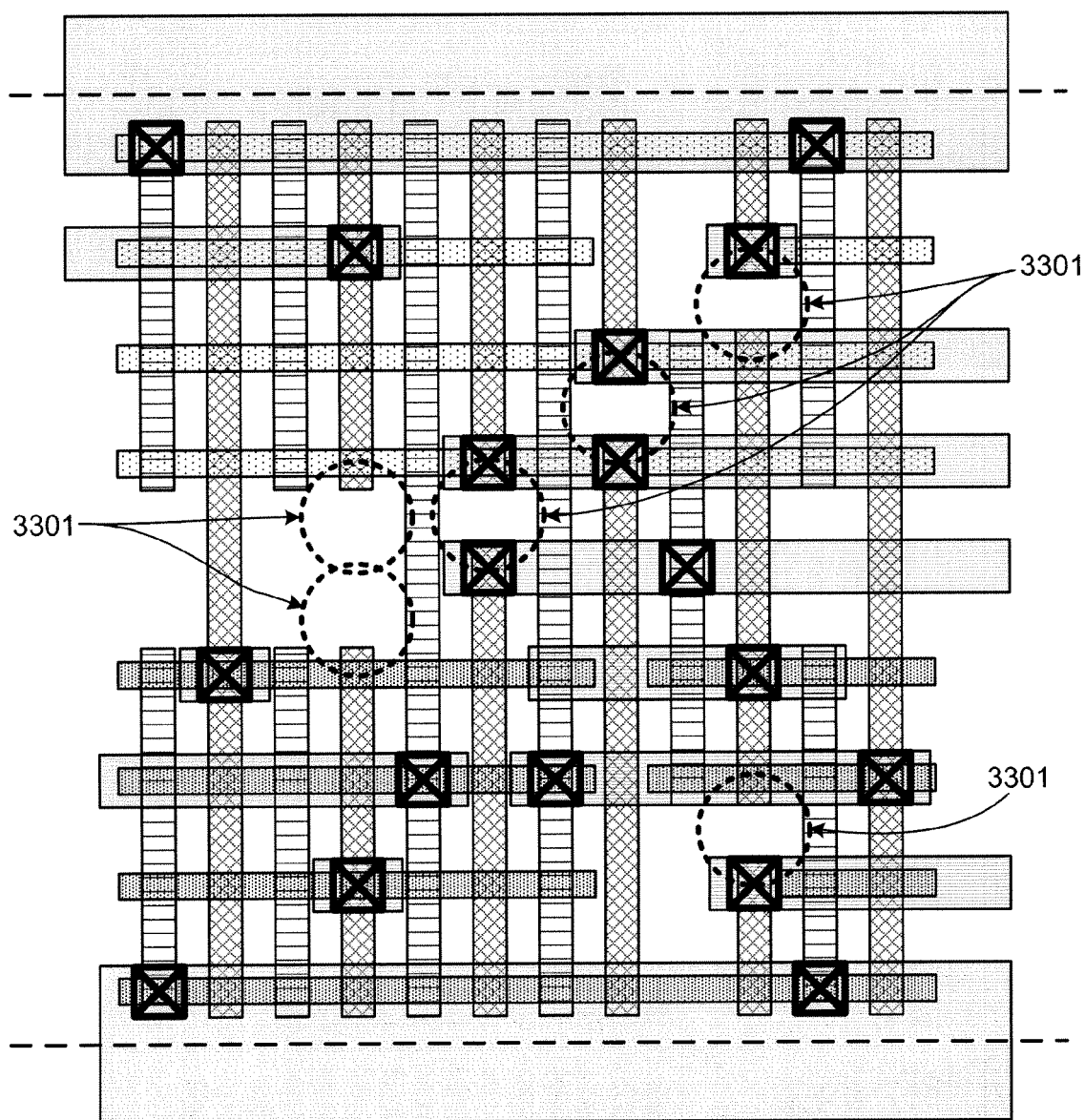
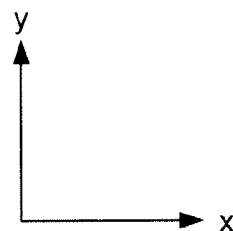
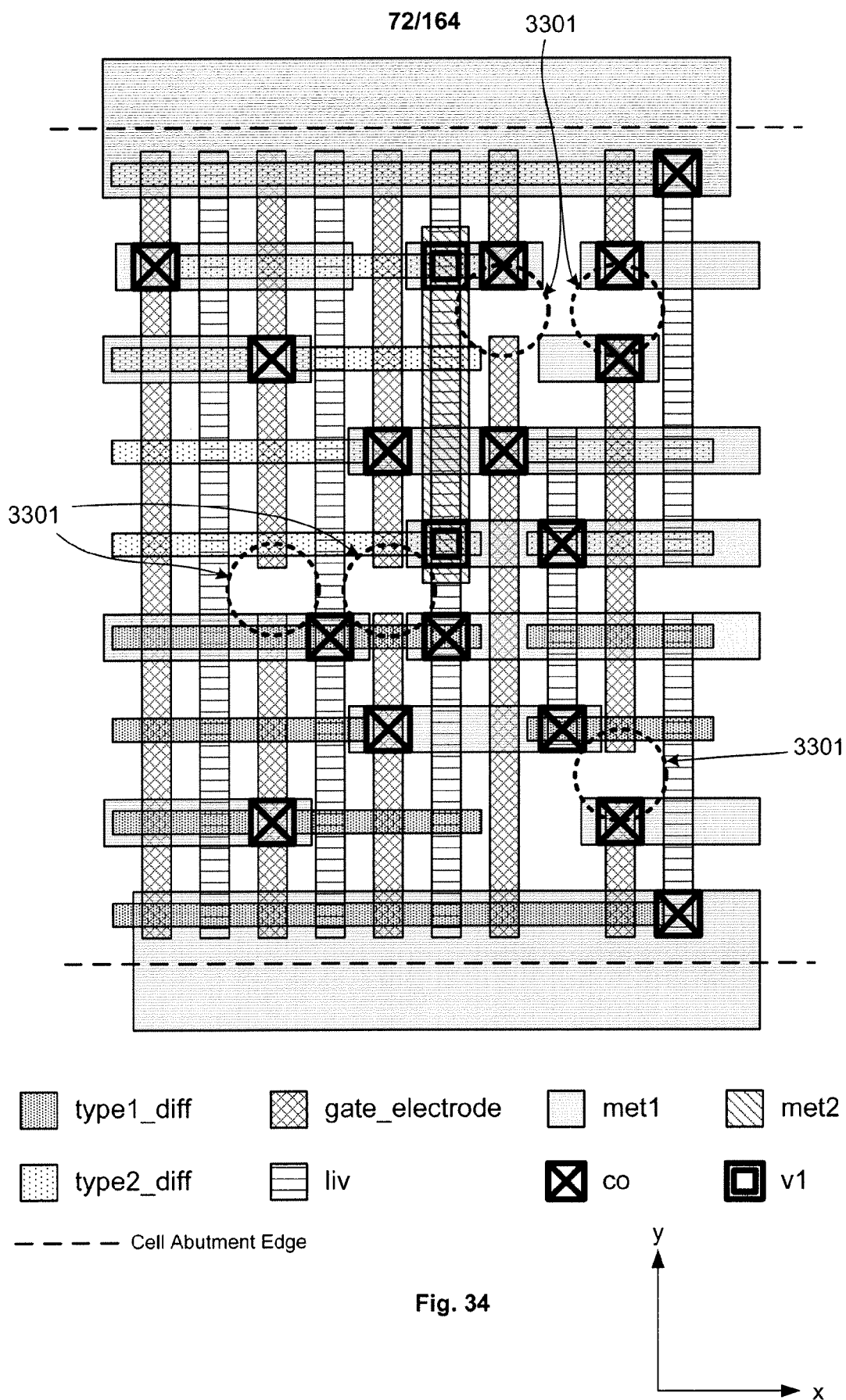


Fig. 33





73/164

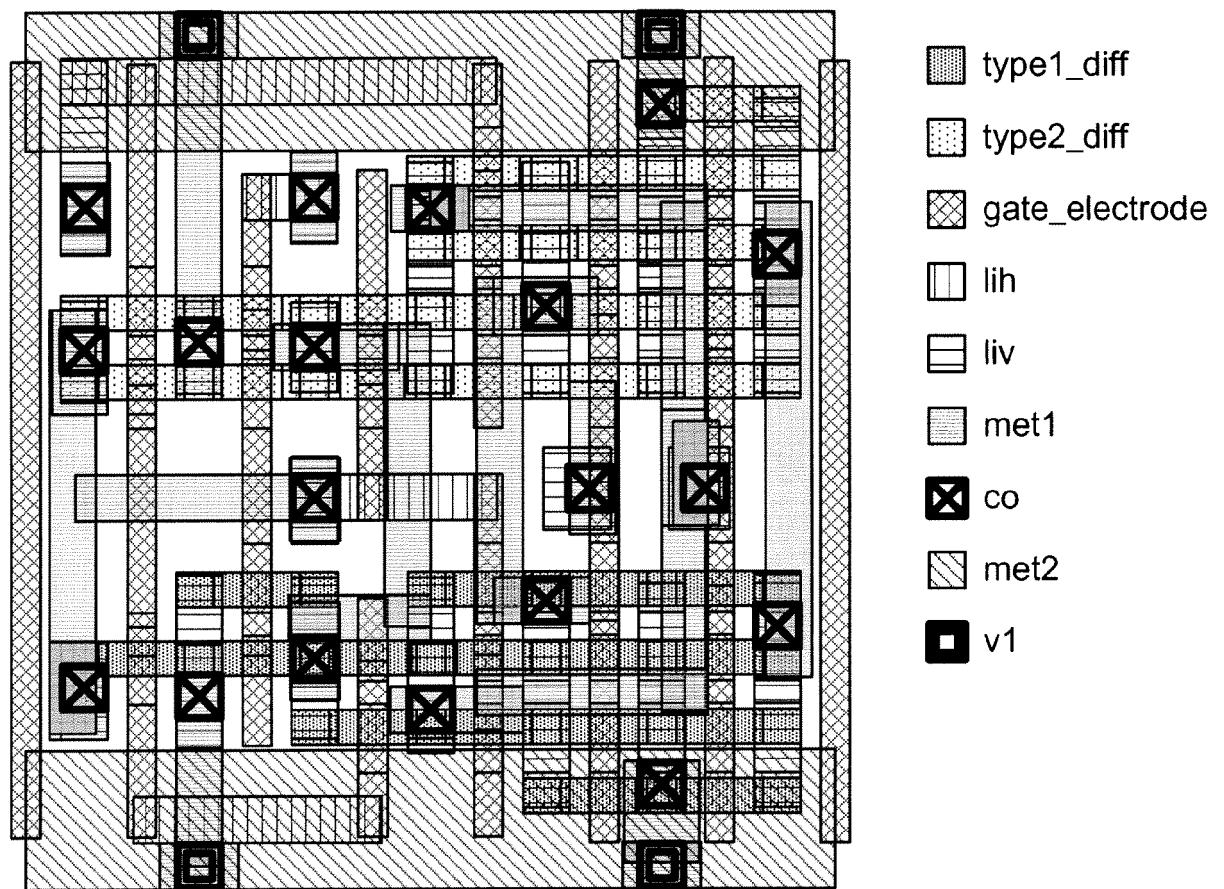


Fig. 35A

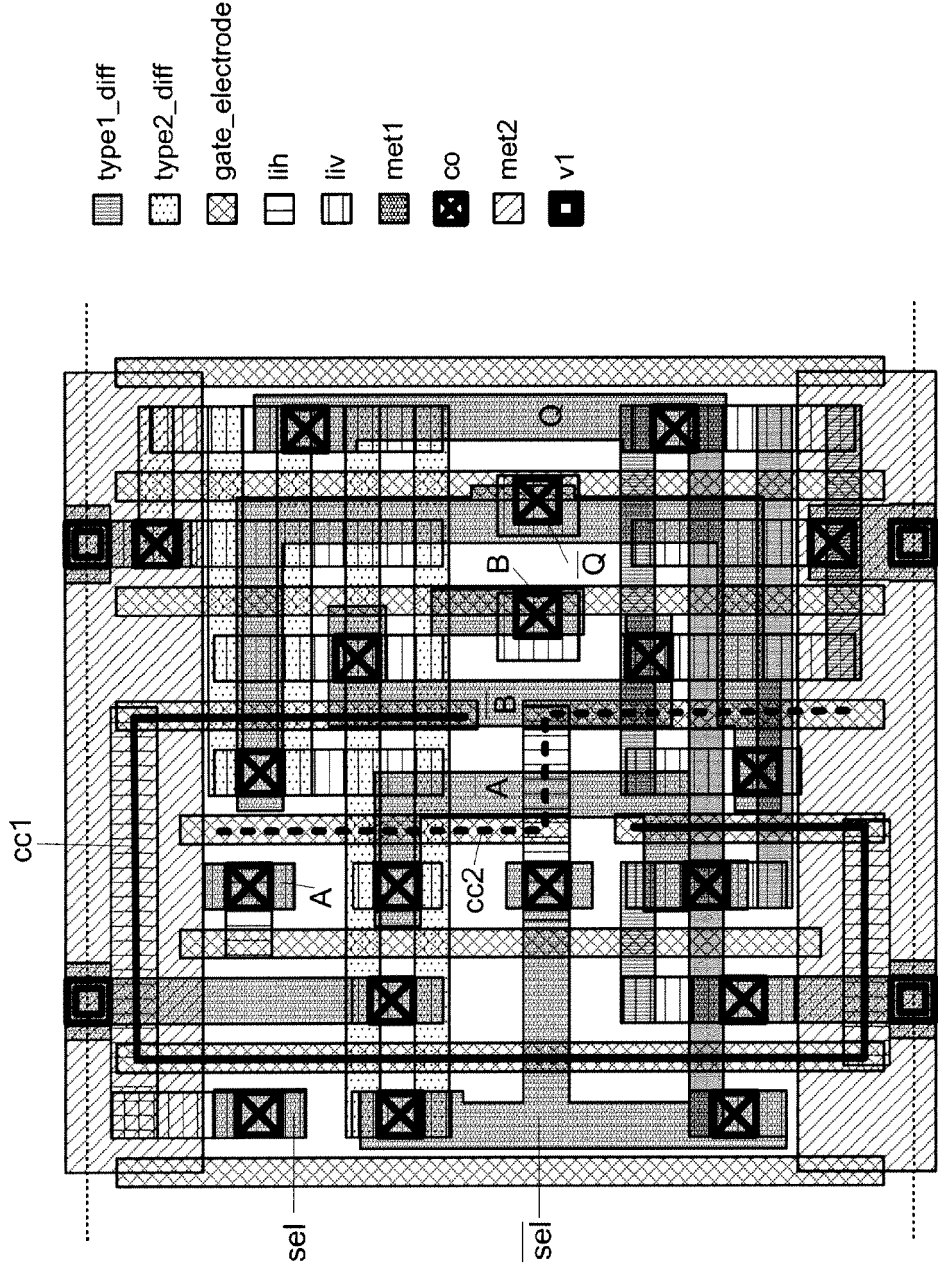


Fig. 35B

75/164

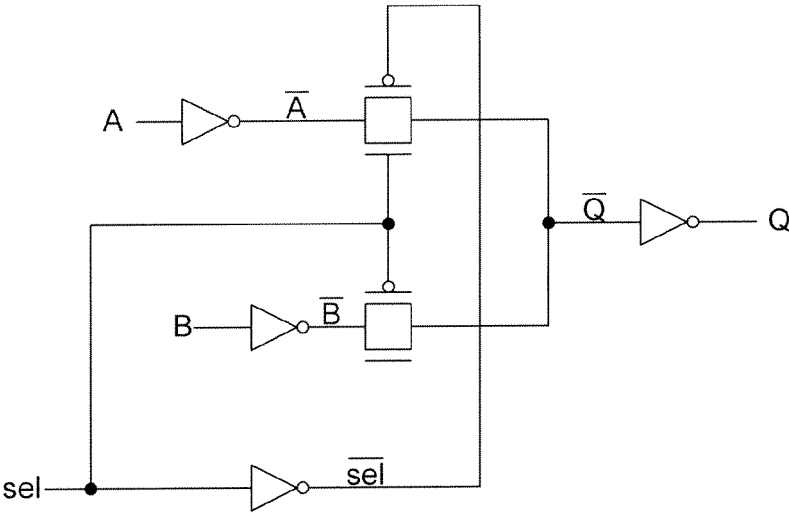


Fig. 35C

76/164

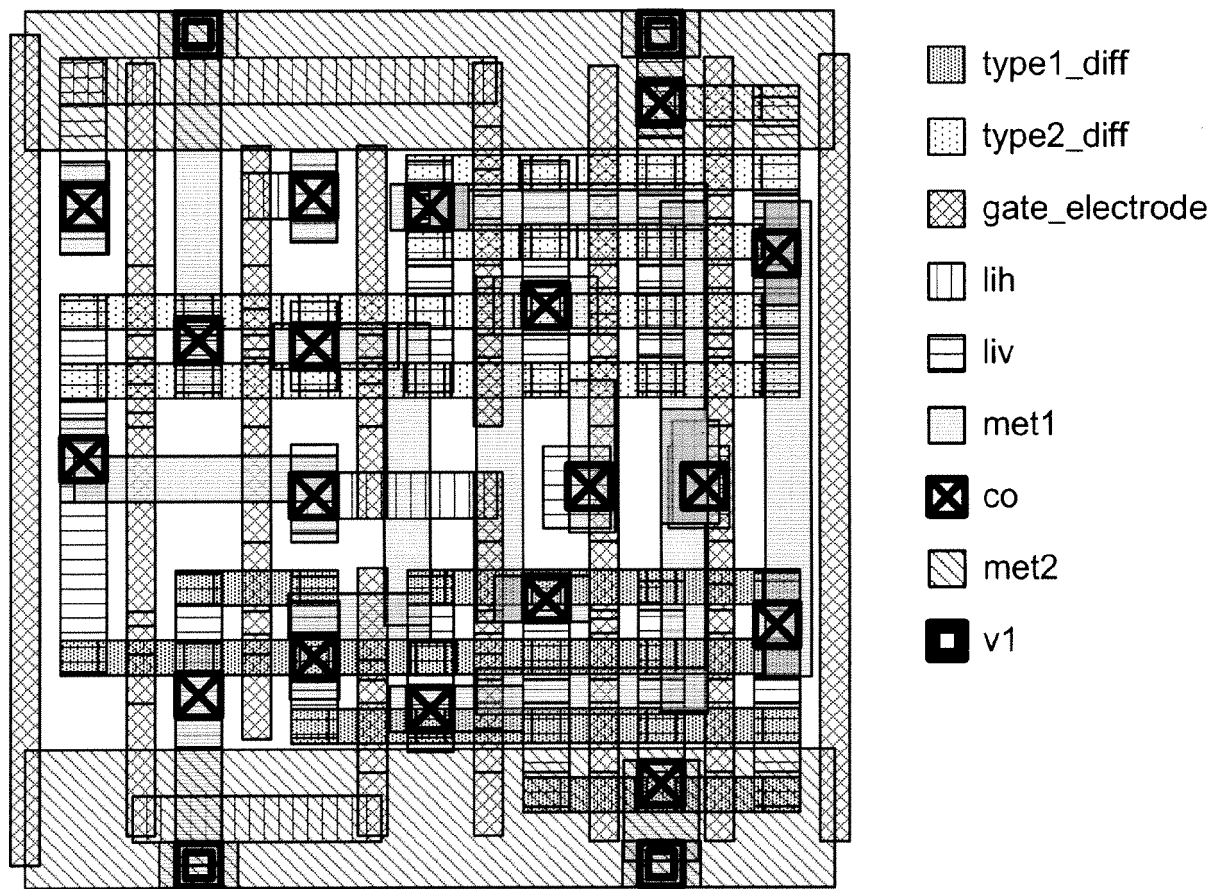


Fig. 36A

77/164

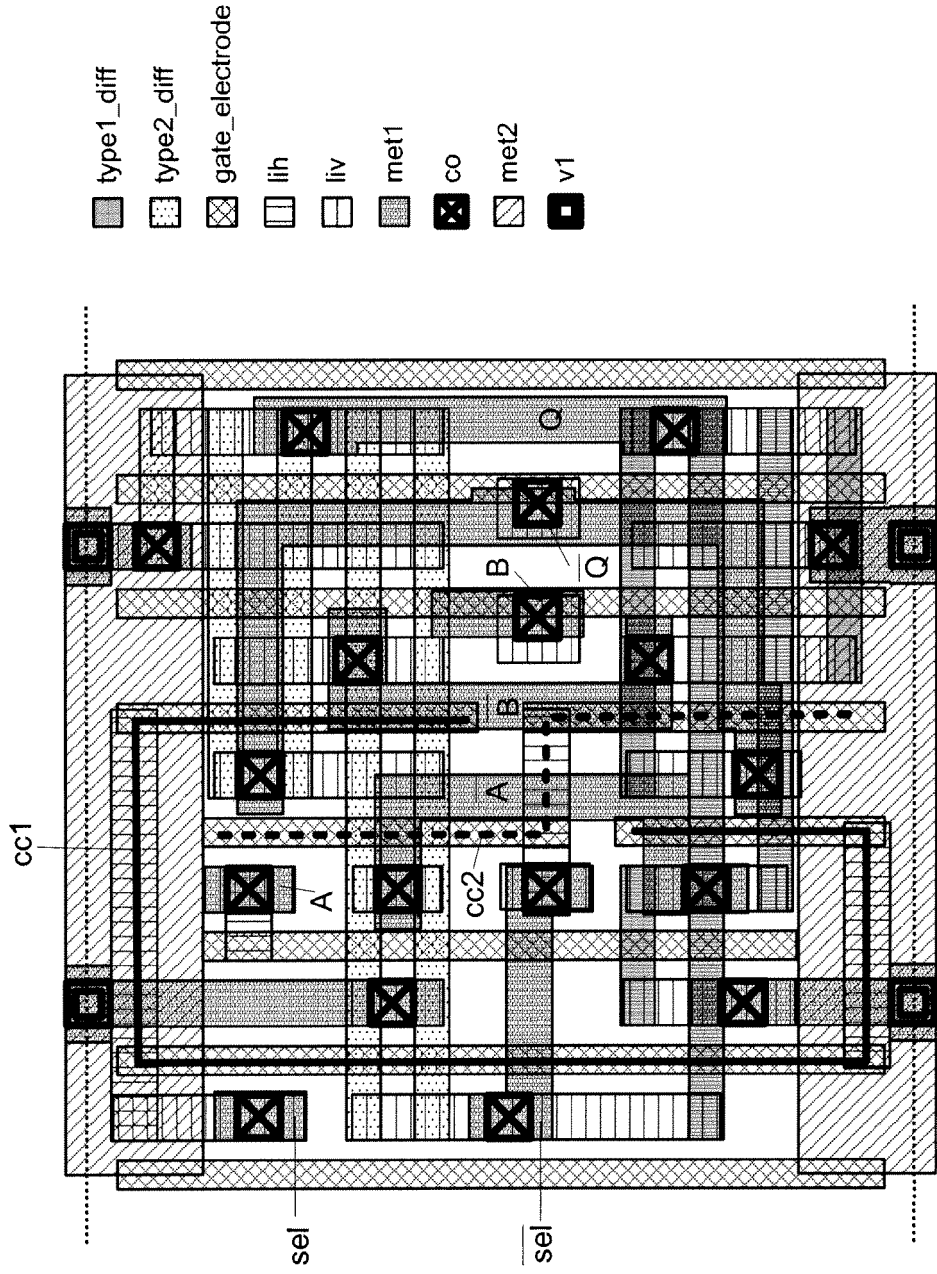


Fig. 36B

78/164

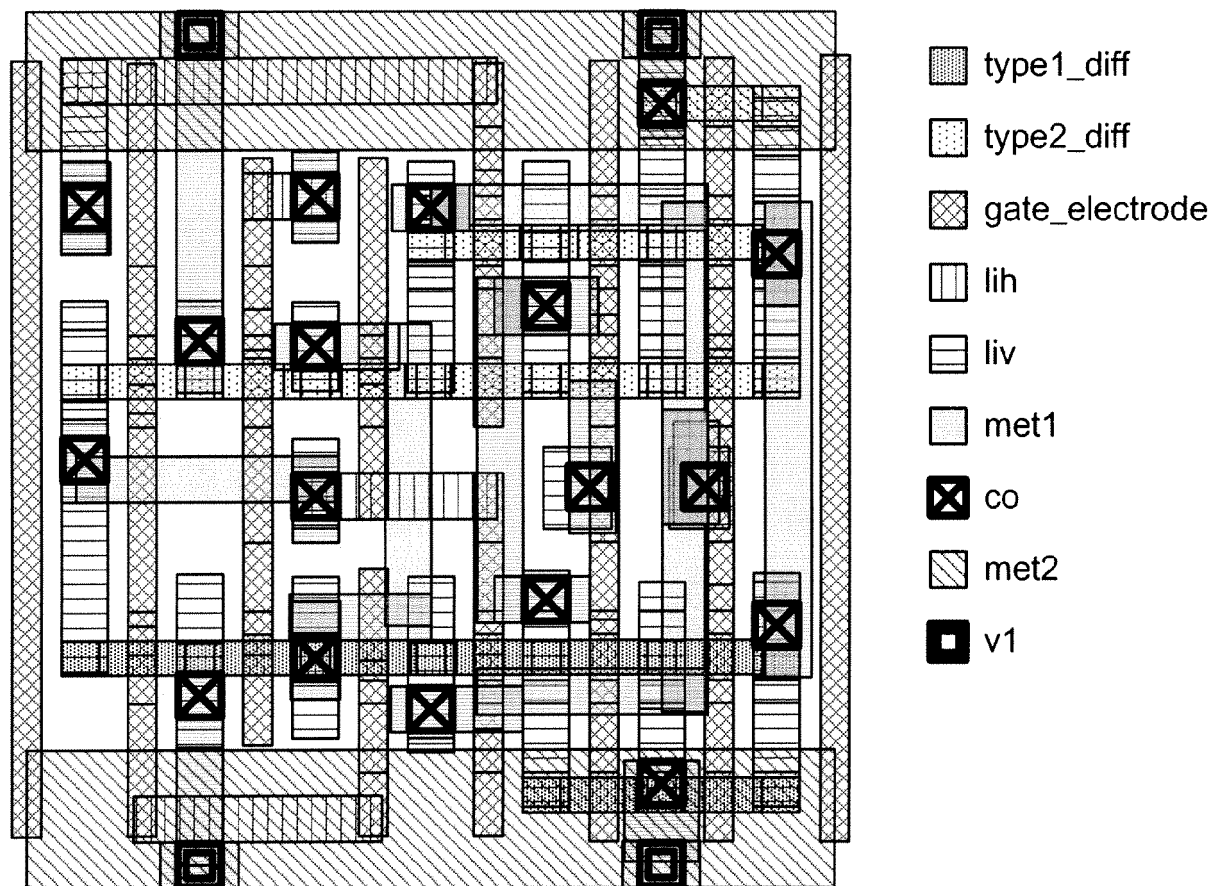


Fig. 37A

79/164

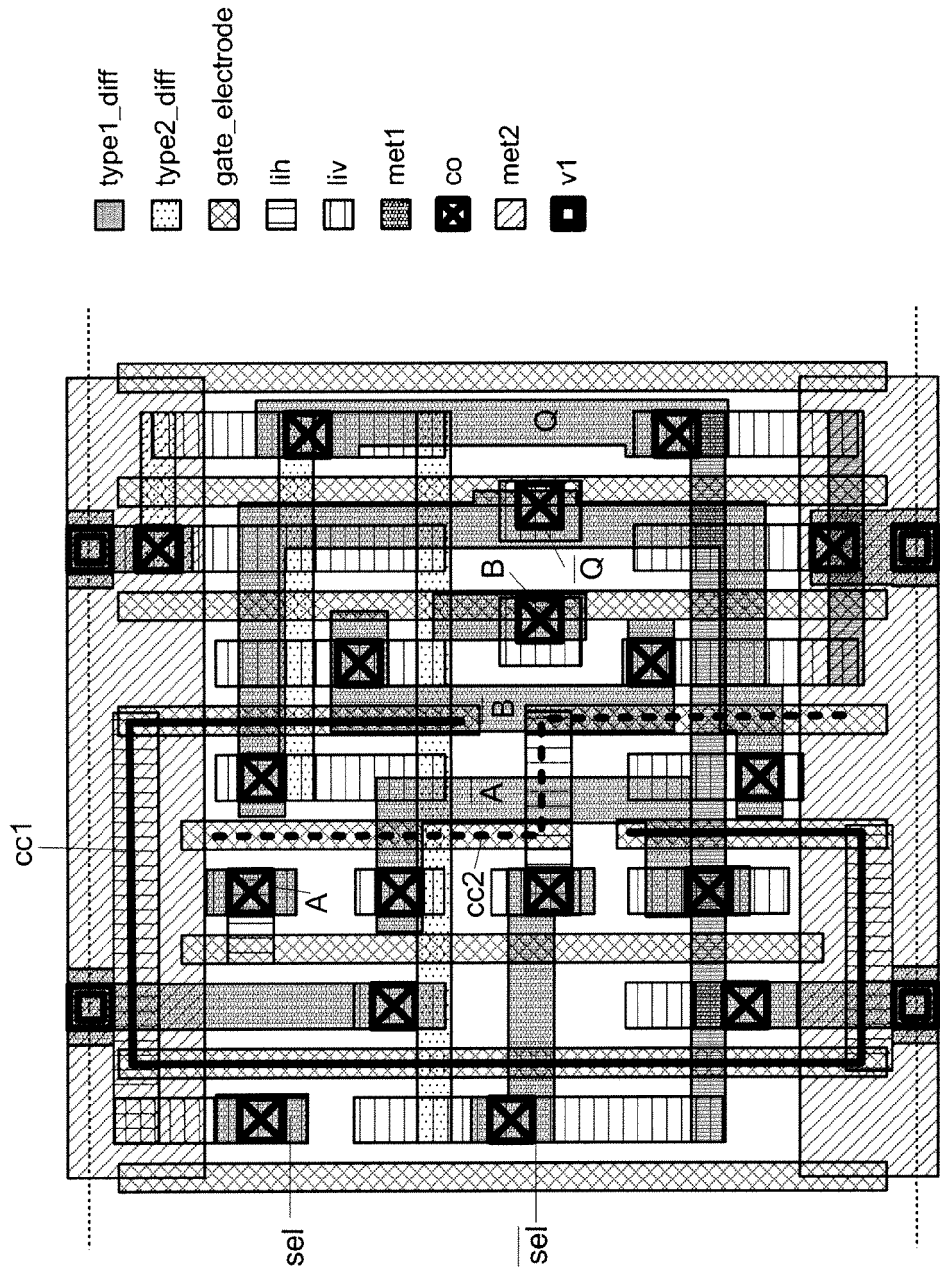


Fig. 37B

80/164

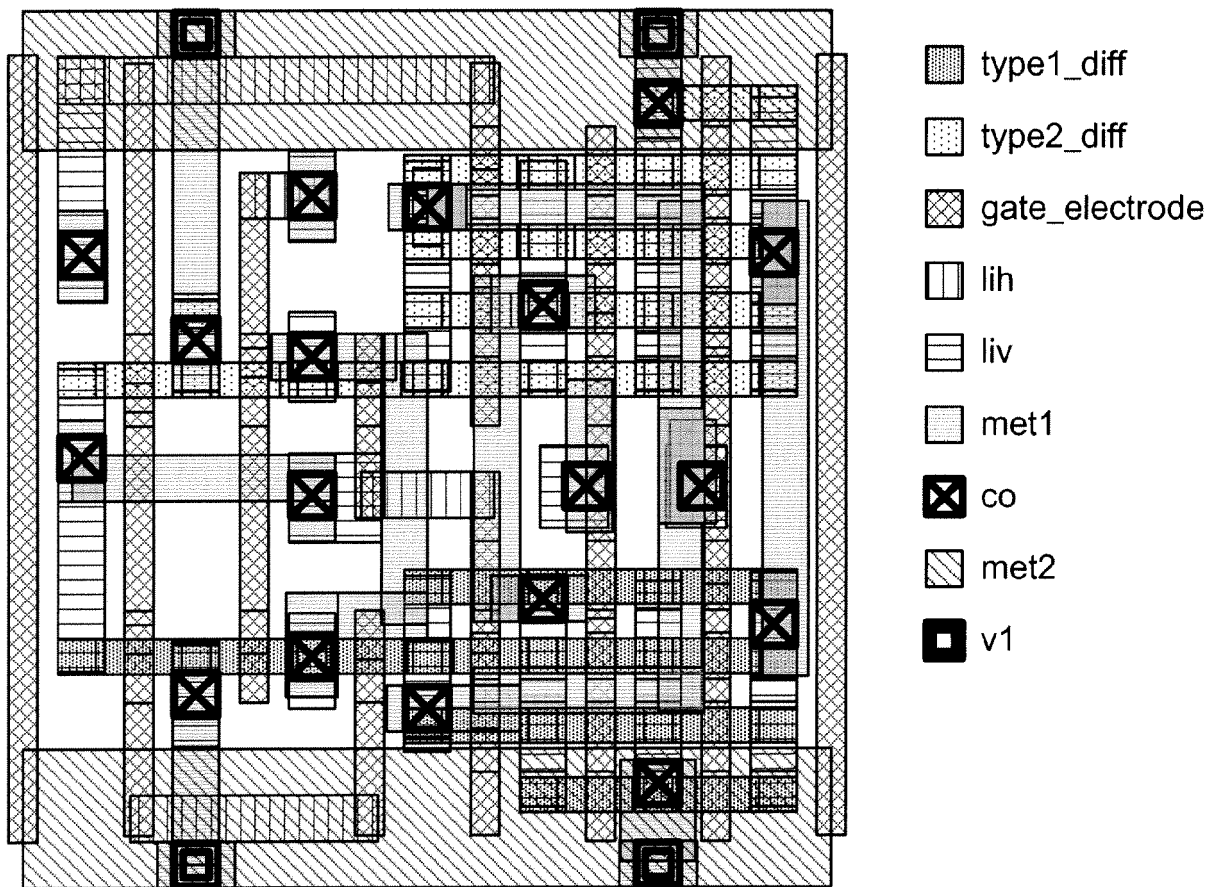


Fig. 38A

81/164

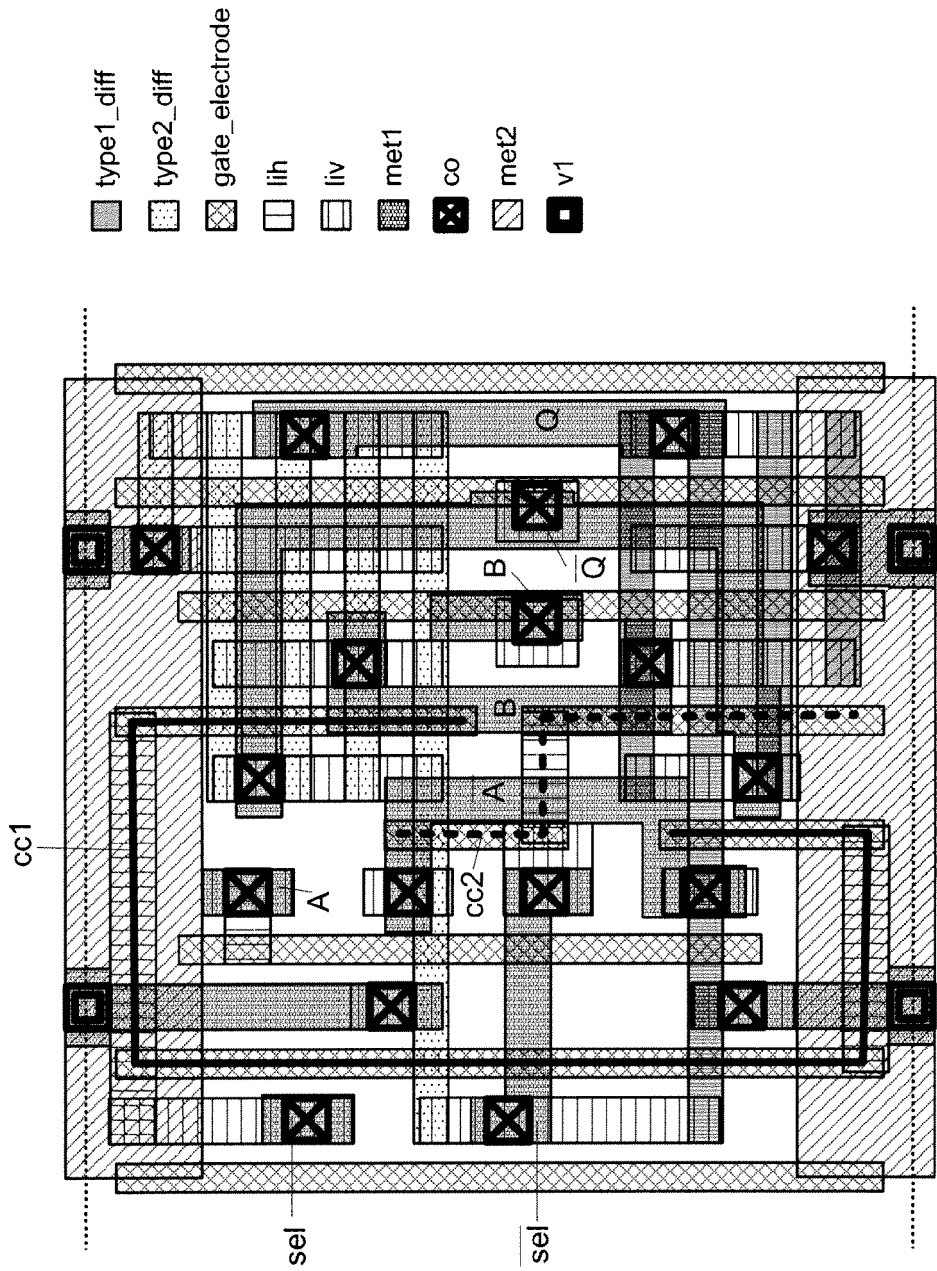


Fig. 38B

82/164

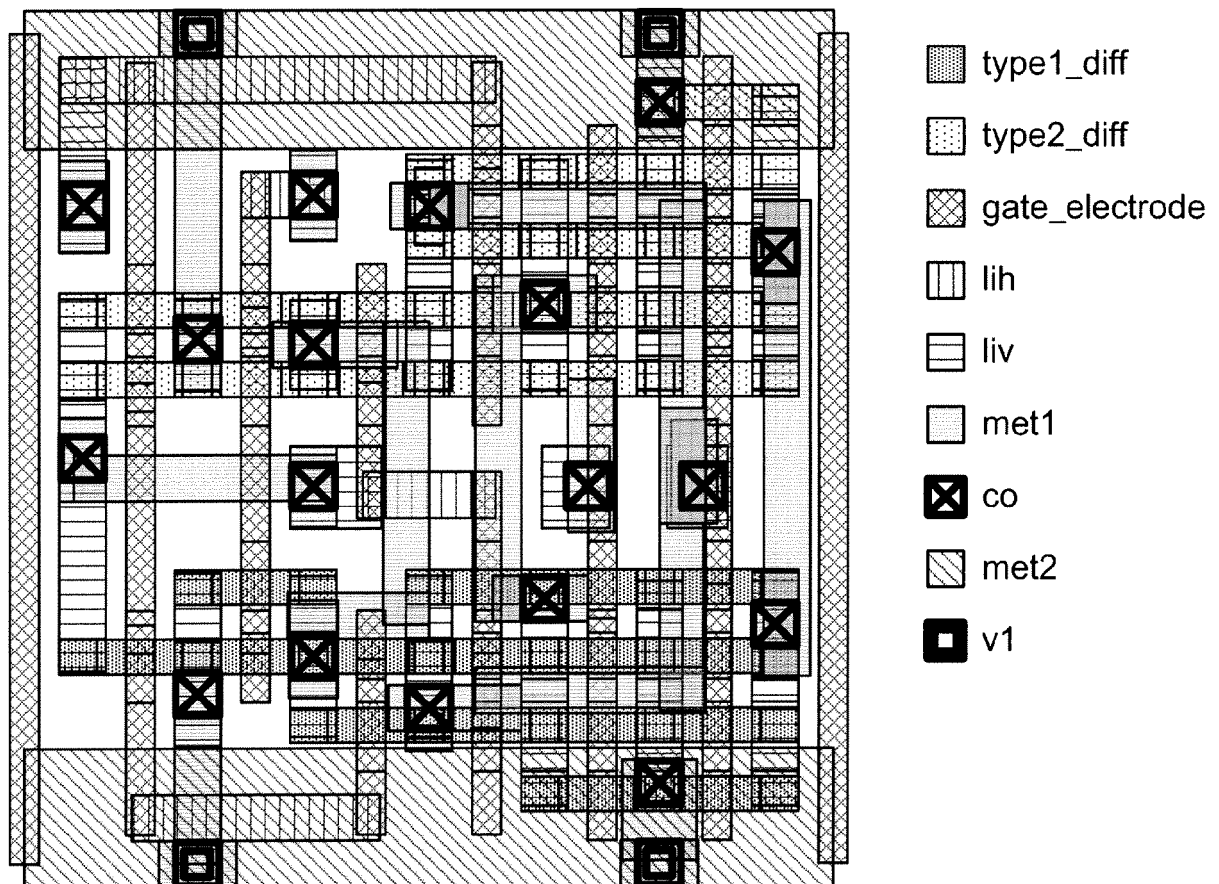


Fig. 39A

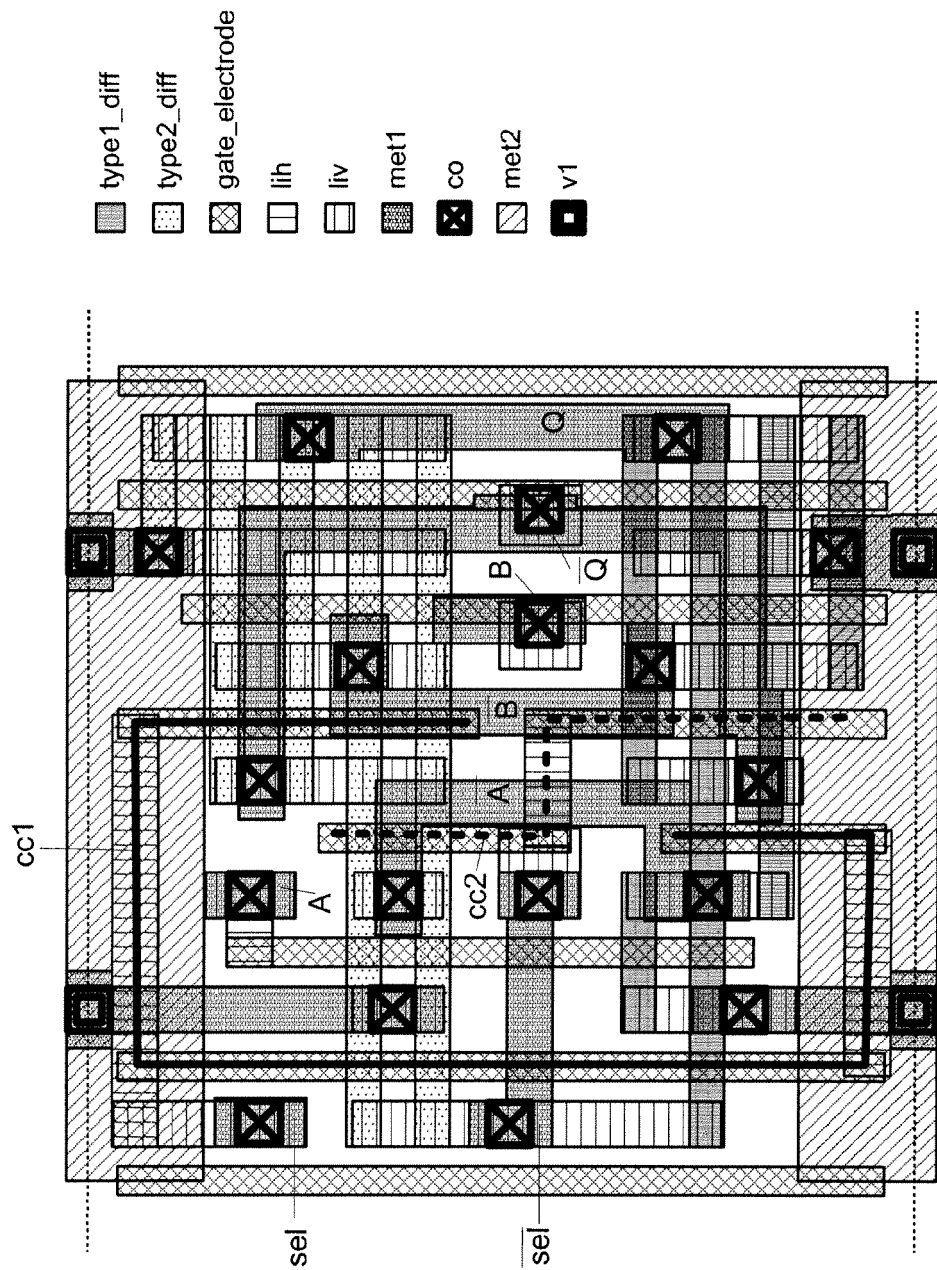


Fig. 39B

84/164

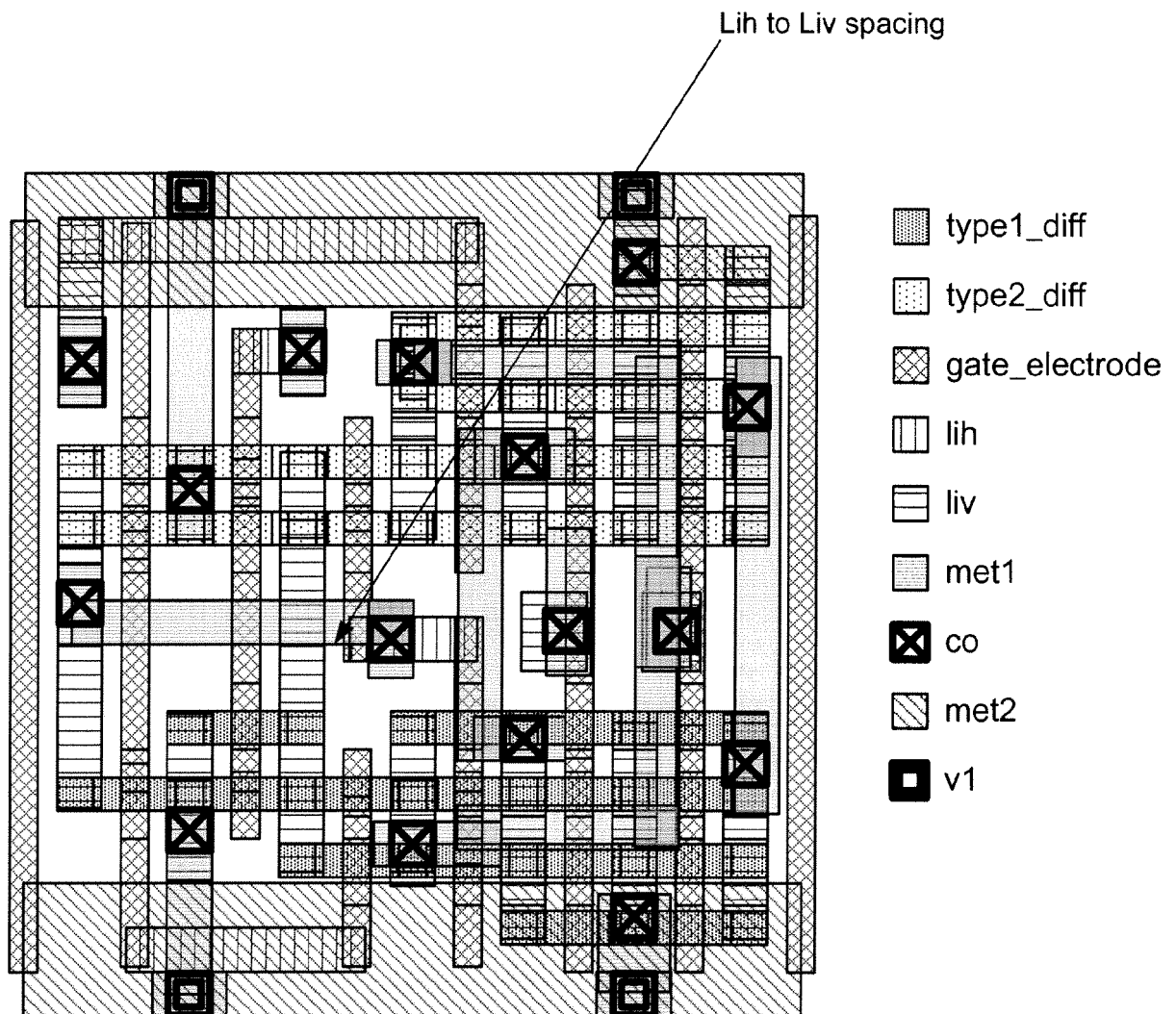


Fig. 40A

85/164

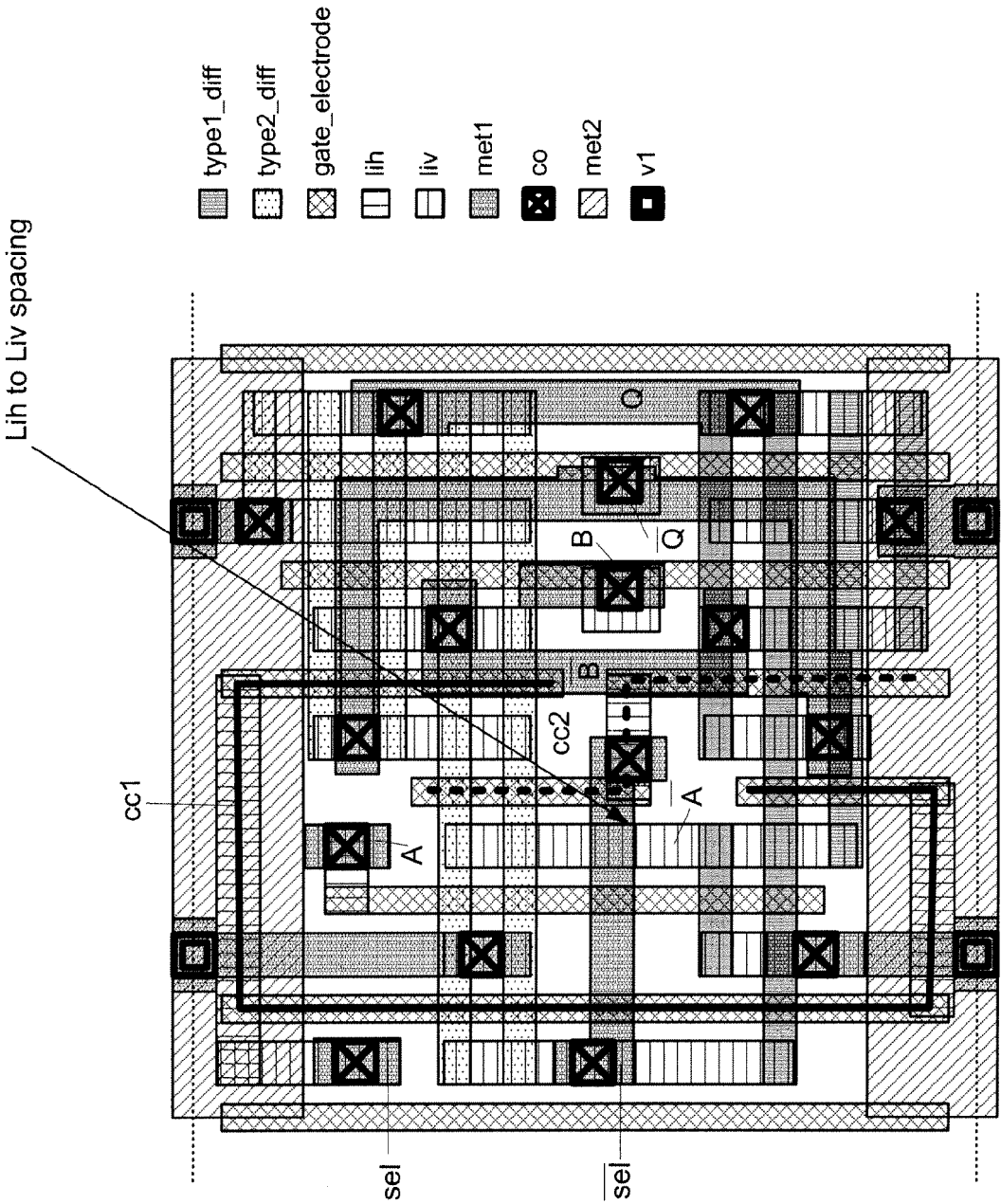


Fig. 40B

86/164

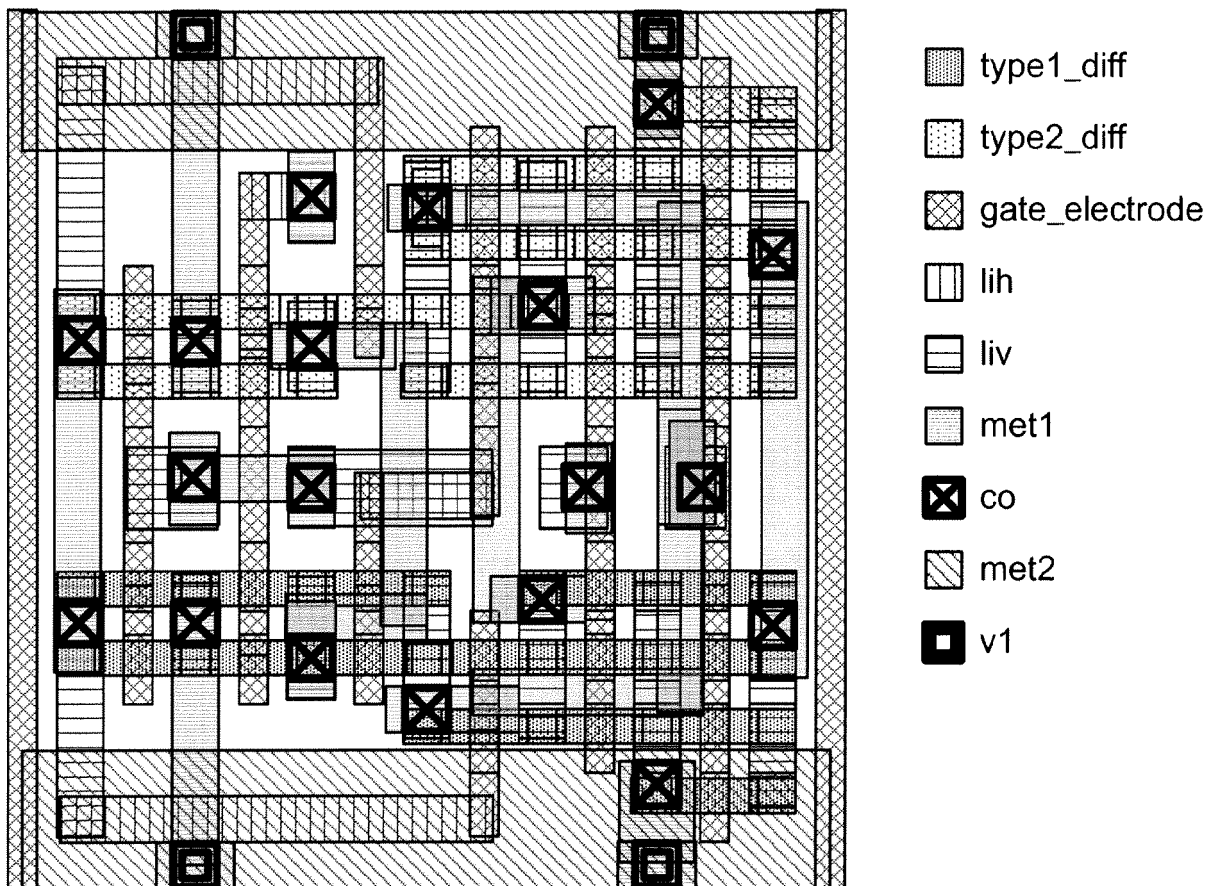


Fig. 41A

87/164

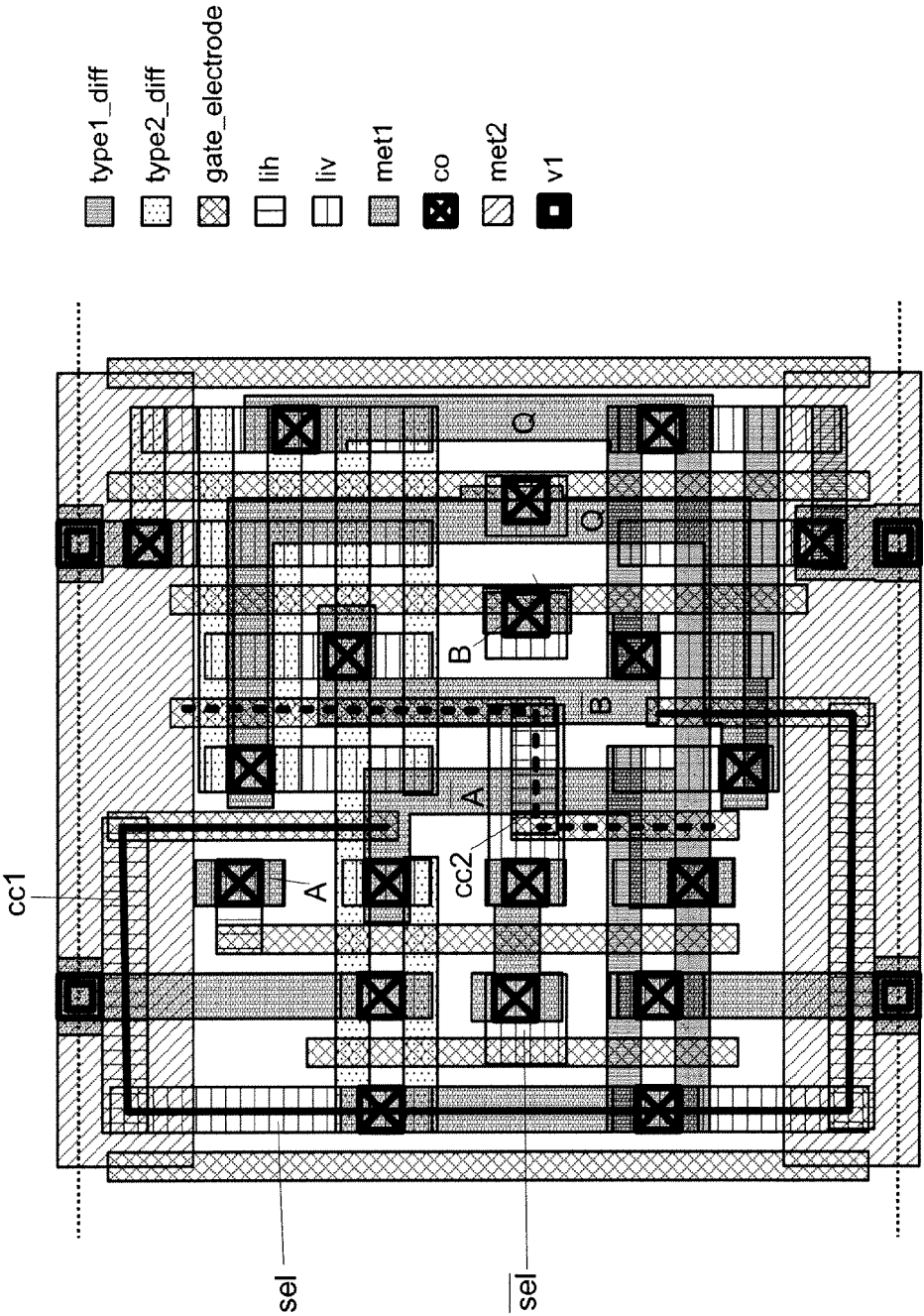


Fig. 41B

88/164

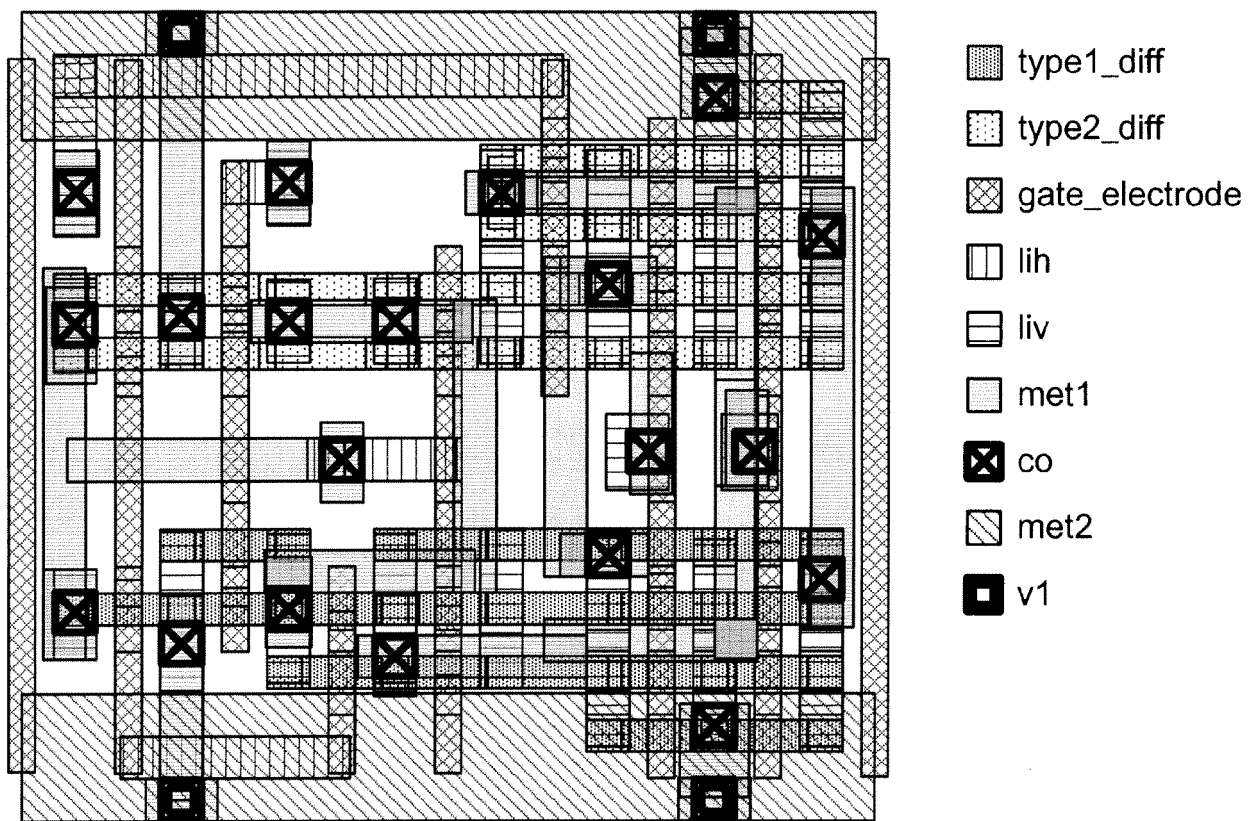


Fig. 42A

89/164

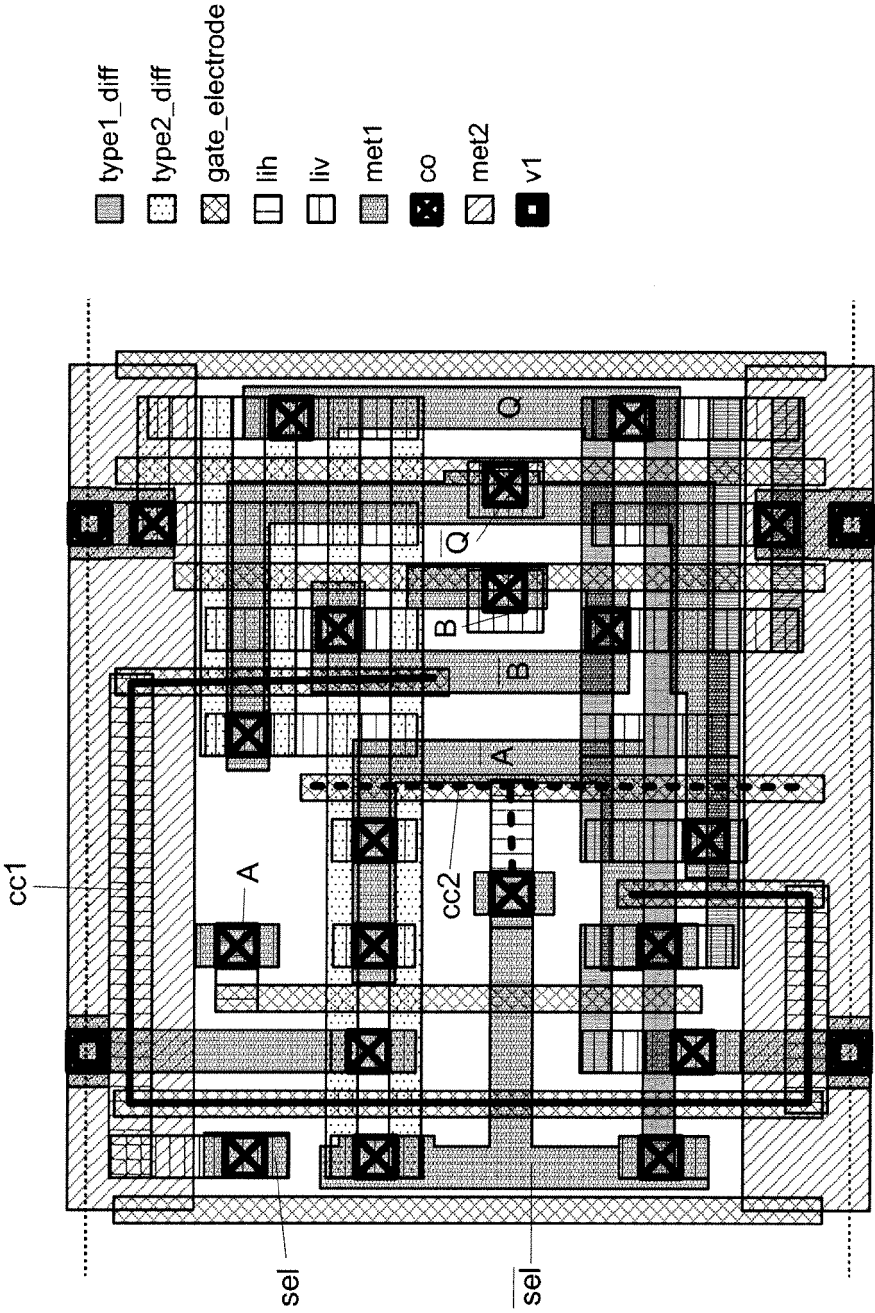


Fig. 42B

90/164

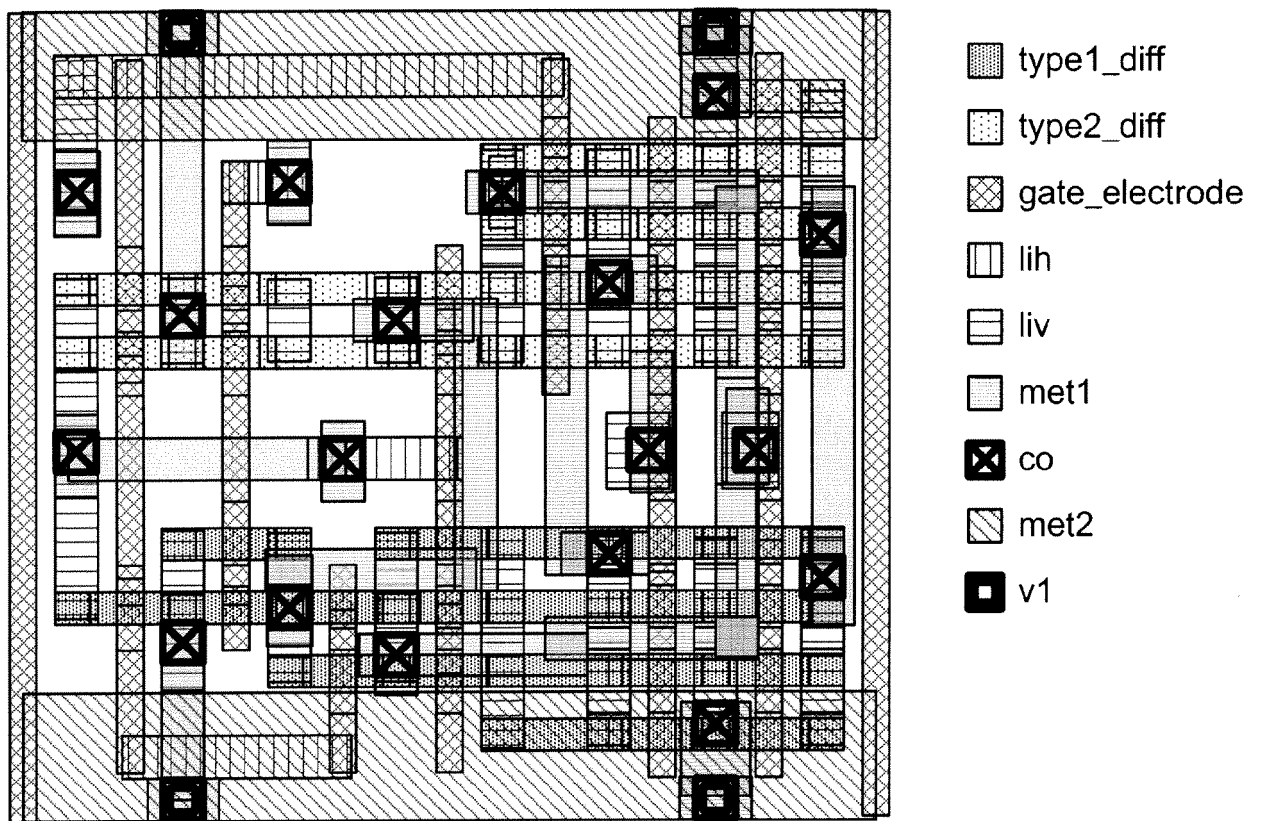


Fig. 43A

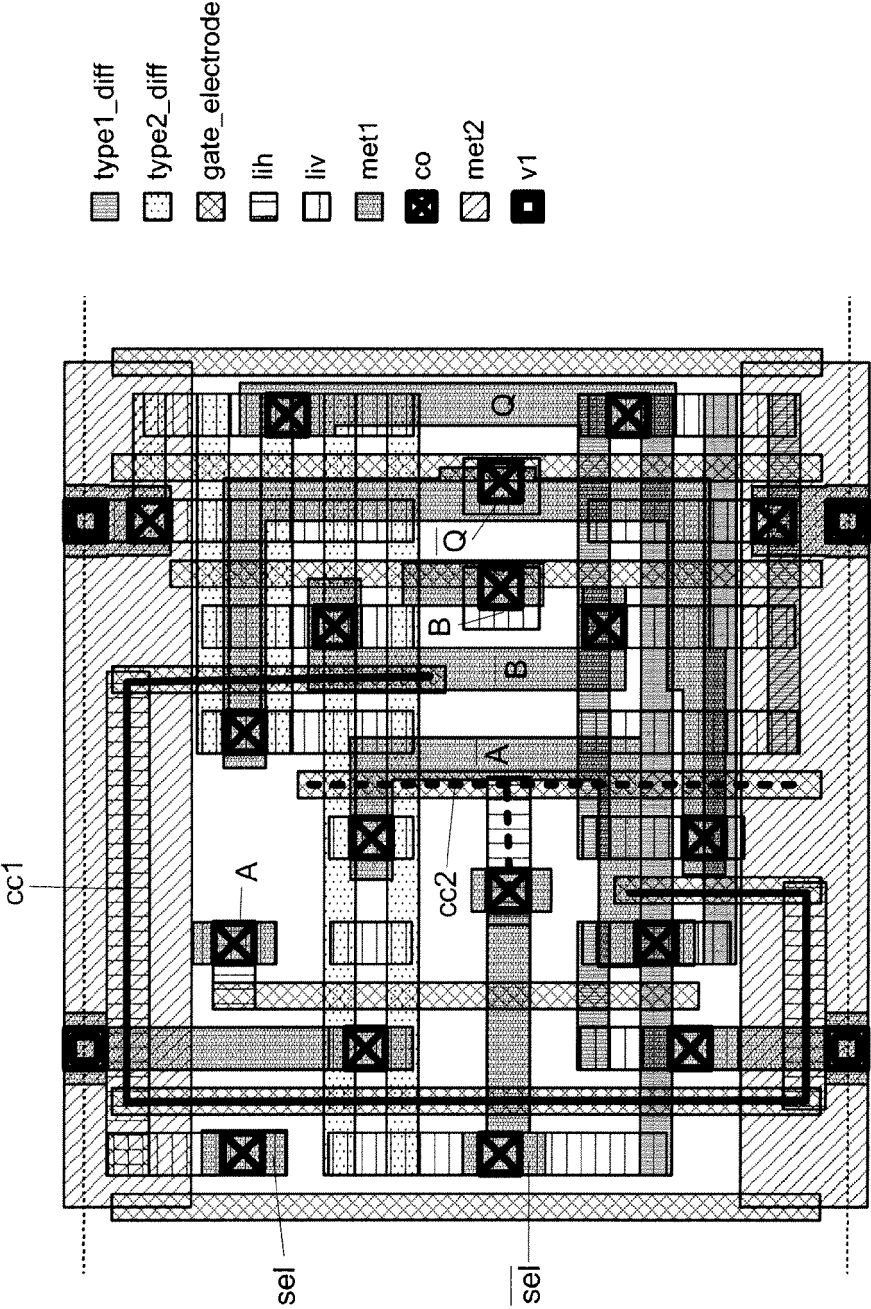


Fig. 43B

92/164

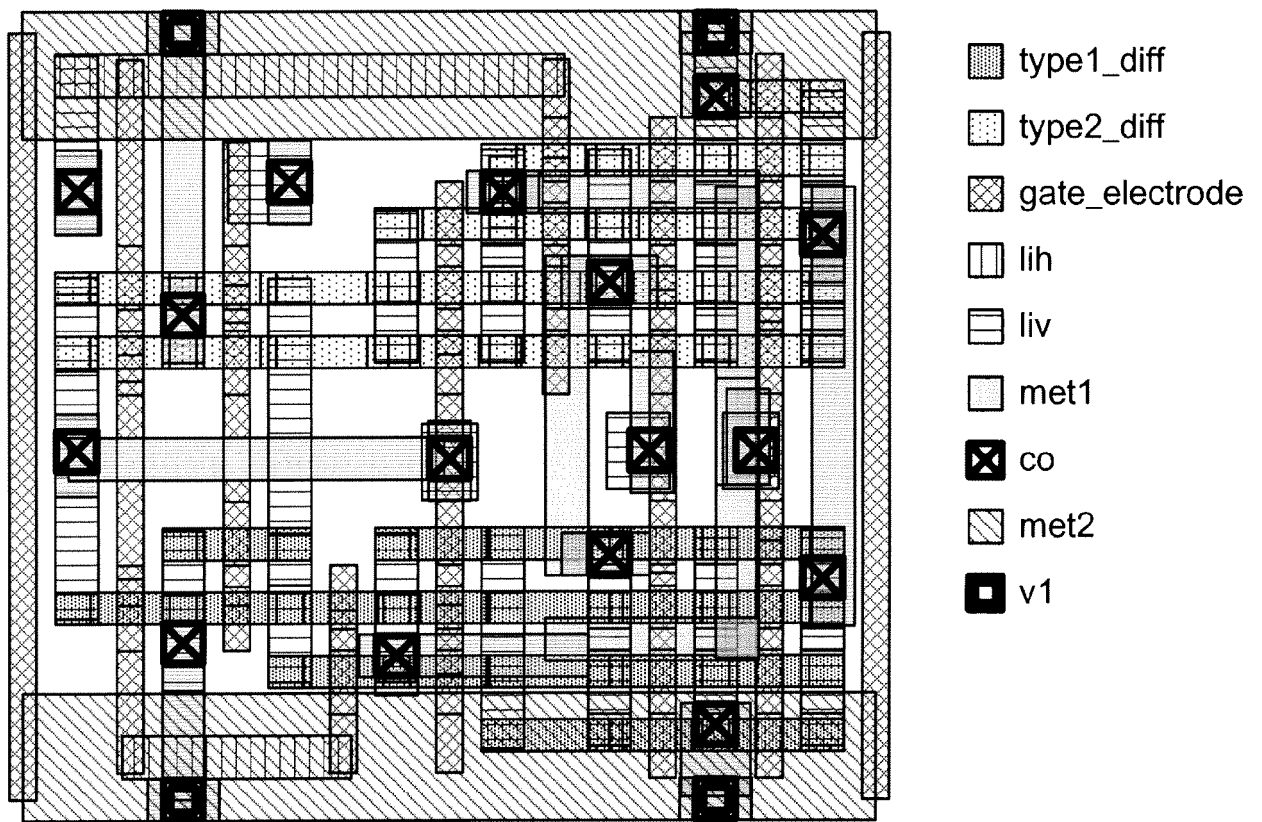


Fig. 44A

93/164

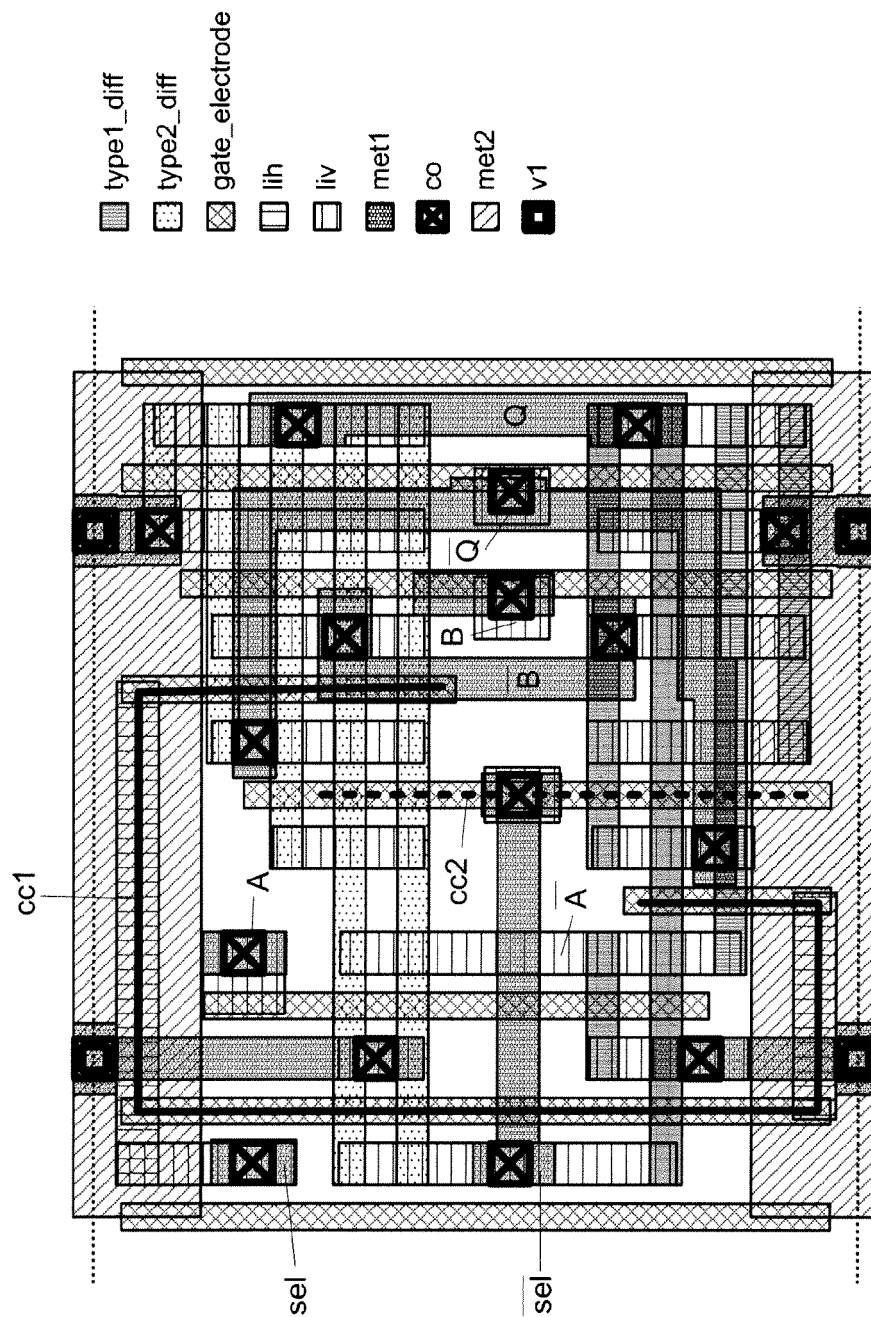


Fig. 44B

94/164

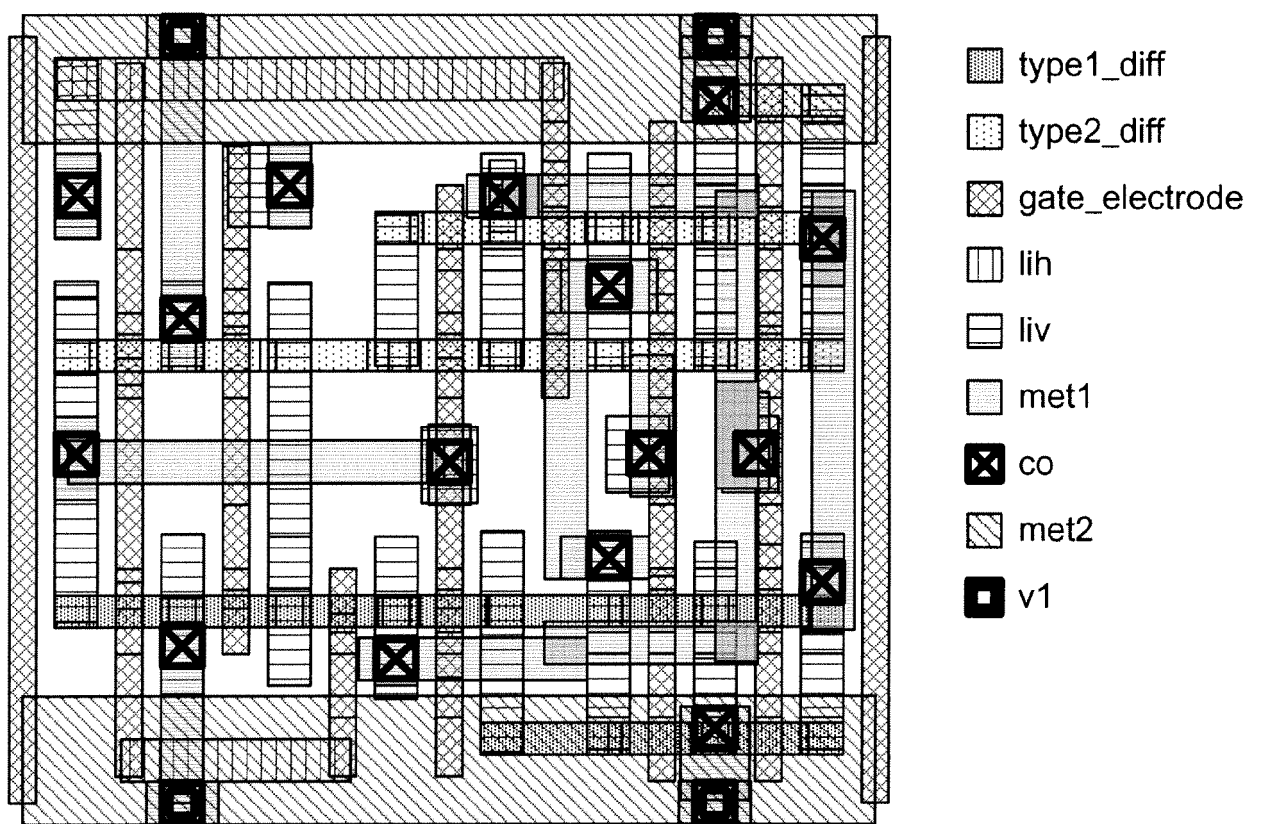


Fig. 45A

95/164

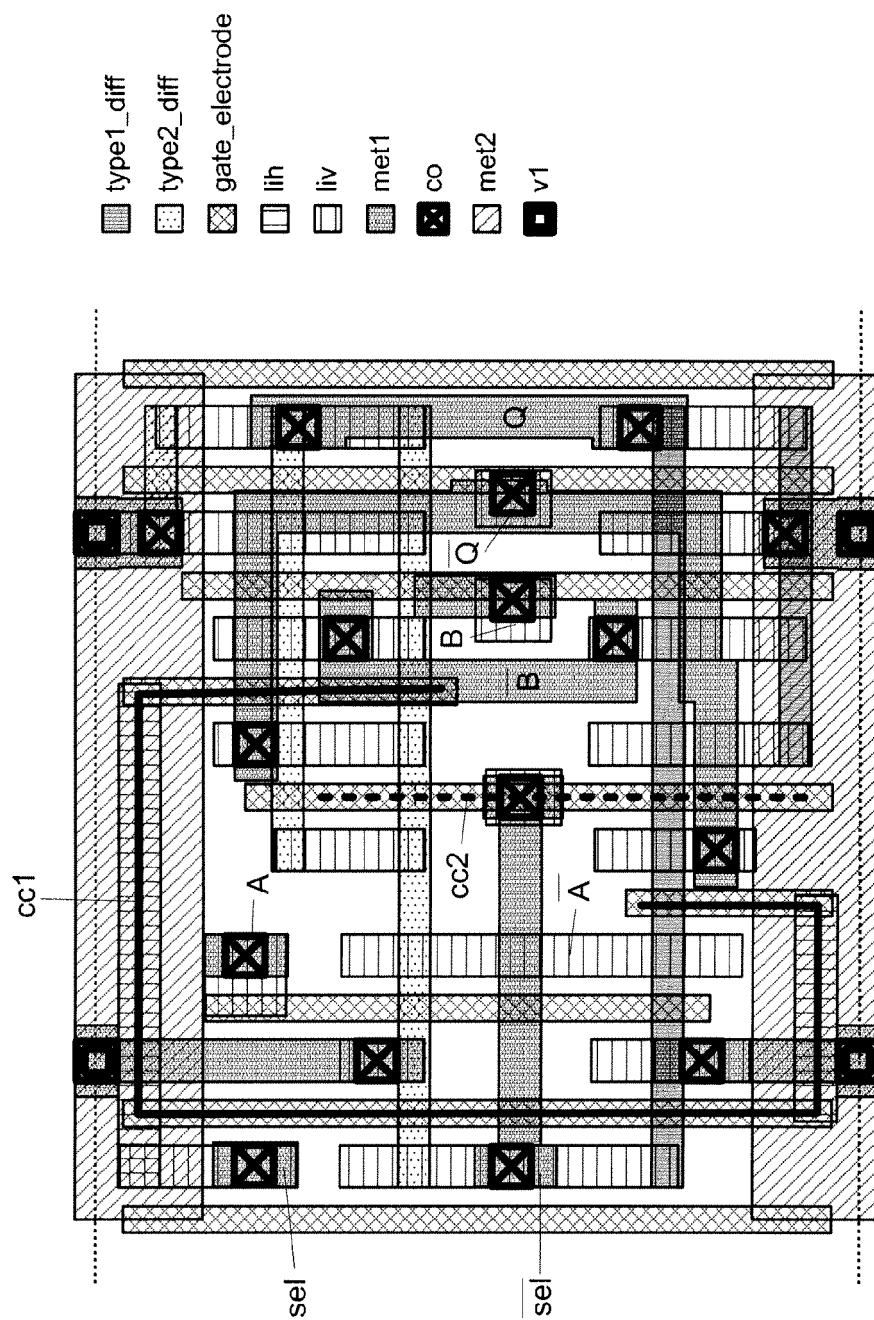


Fig. 45B

96/164

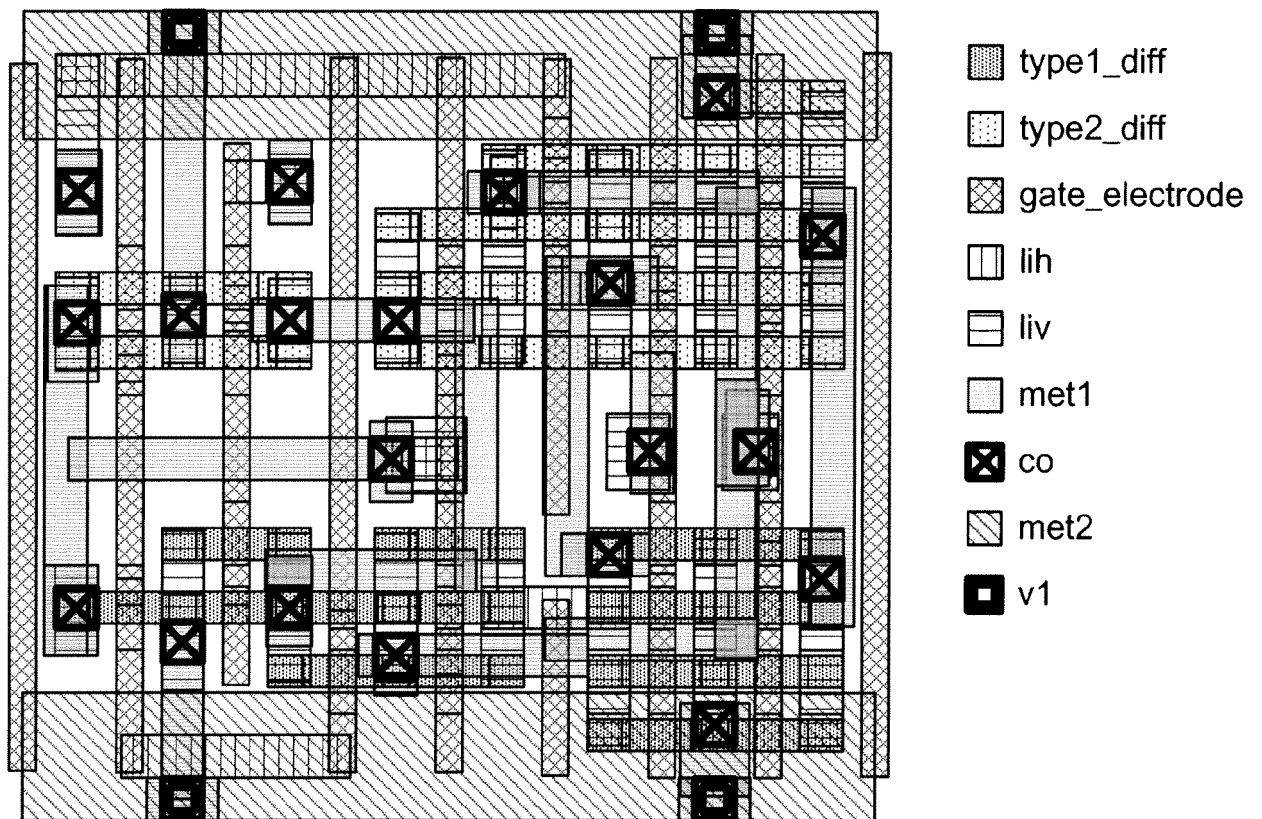


Fig. 46A

97/164

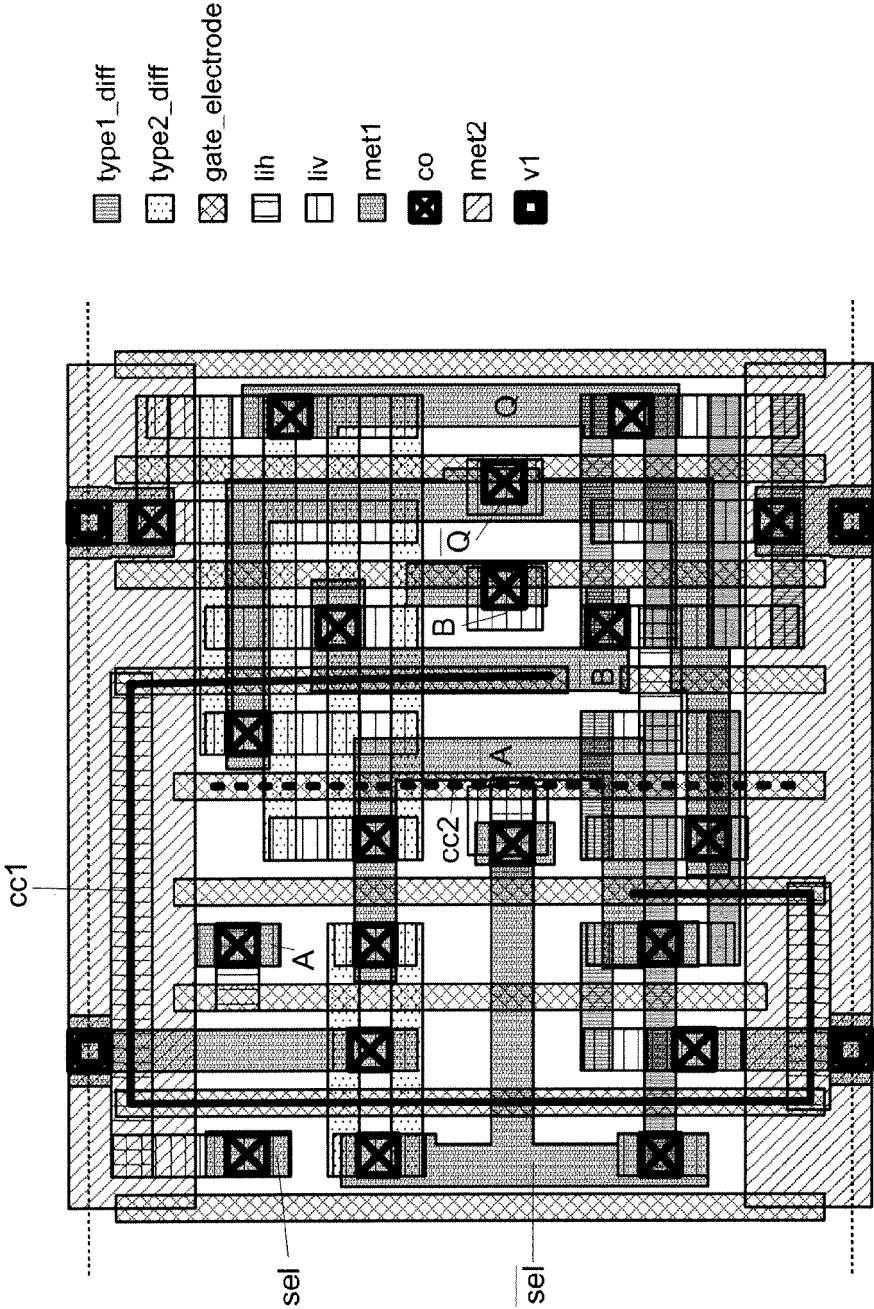


Fig. 46B

98/164

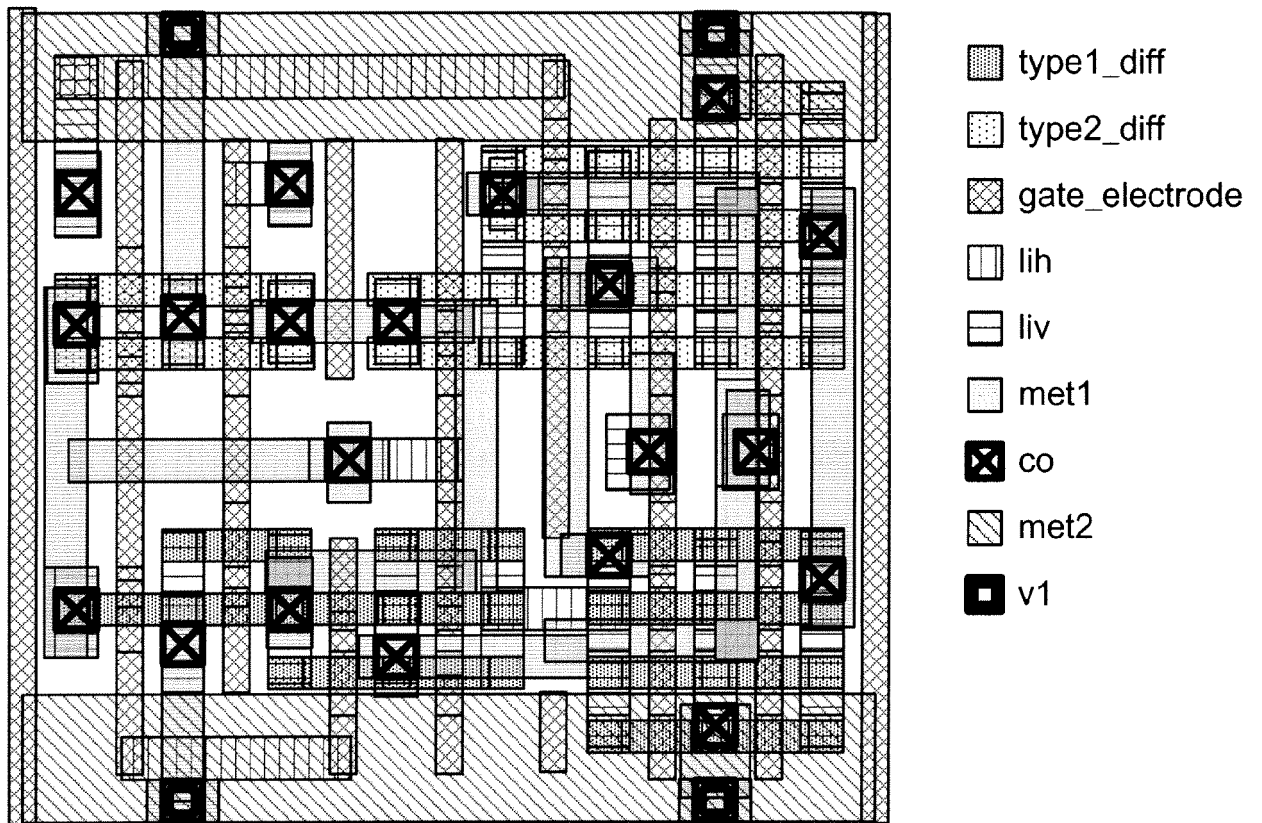


Fig. 47A

99/164

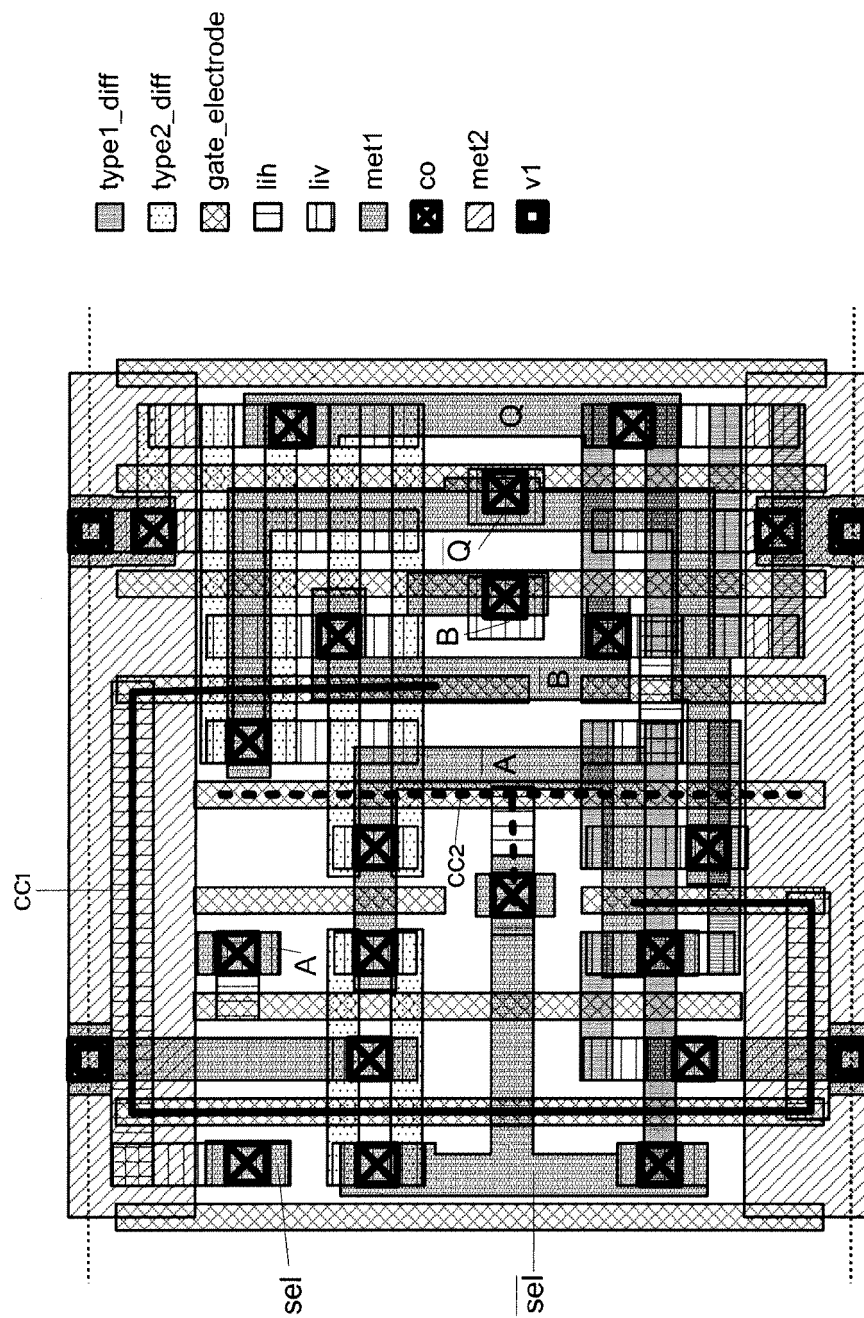


Fig. 47B

100/164

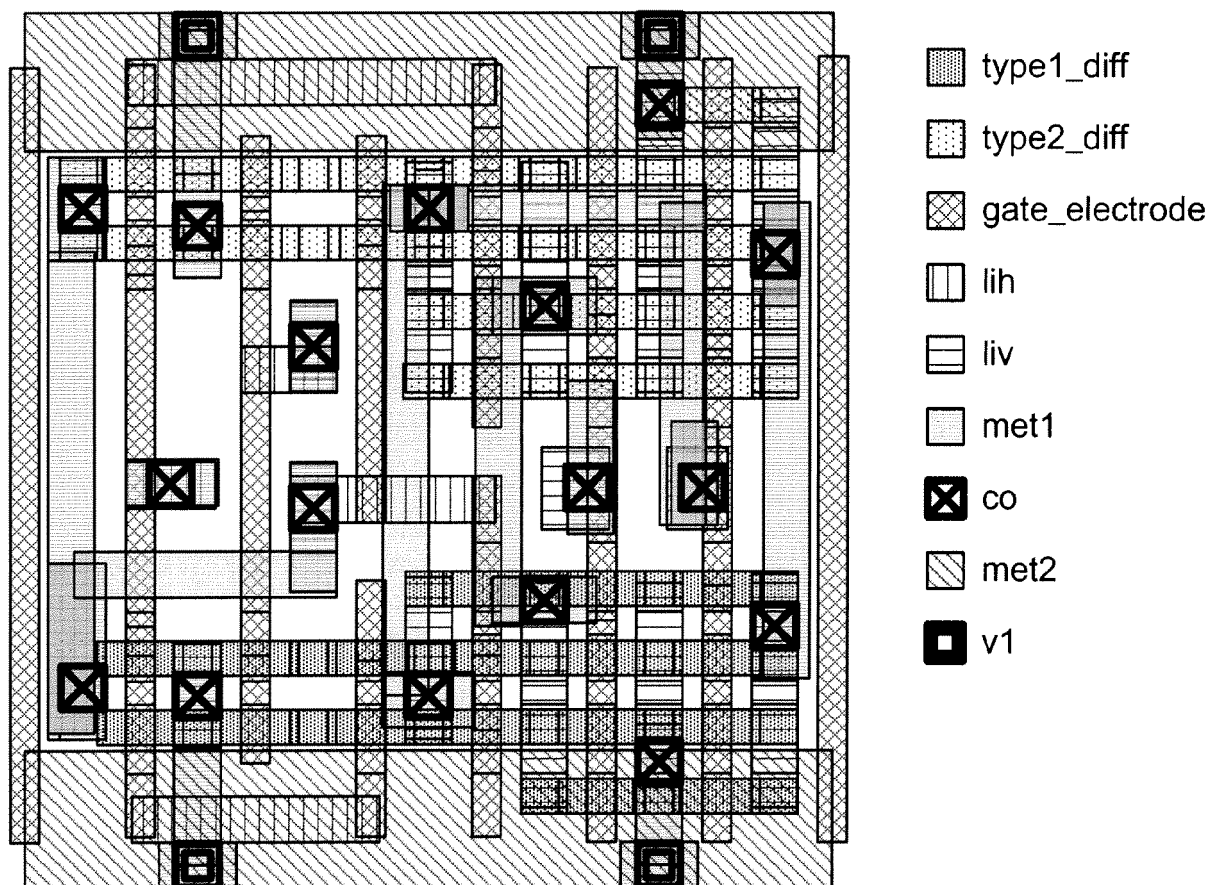


Fig. 48A

101/164

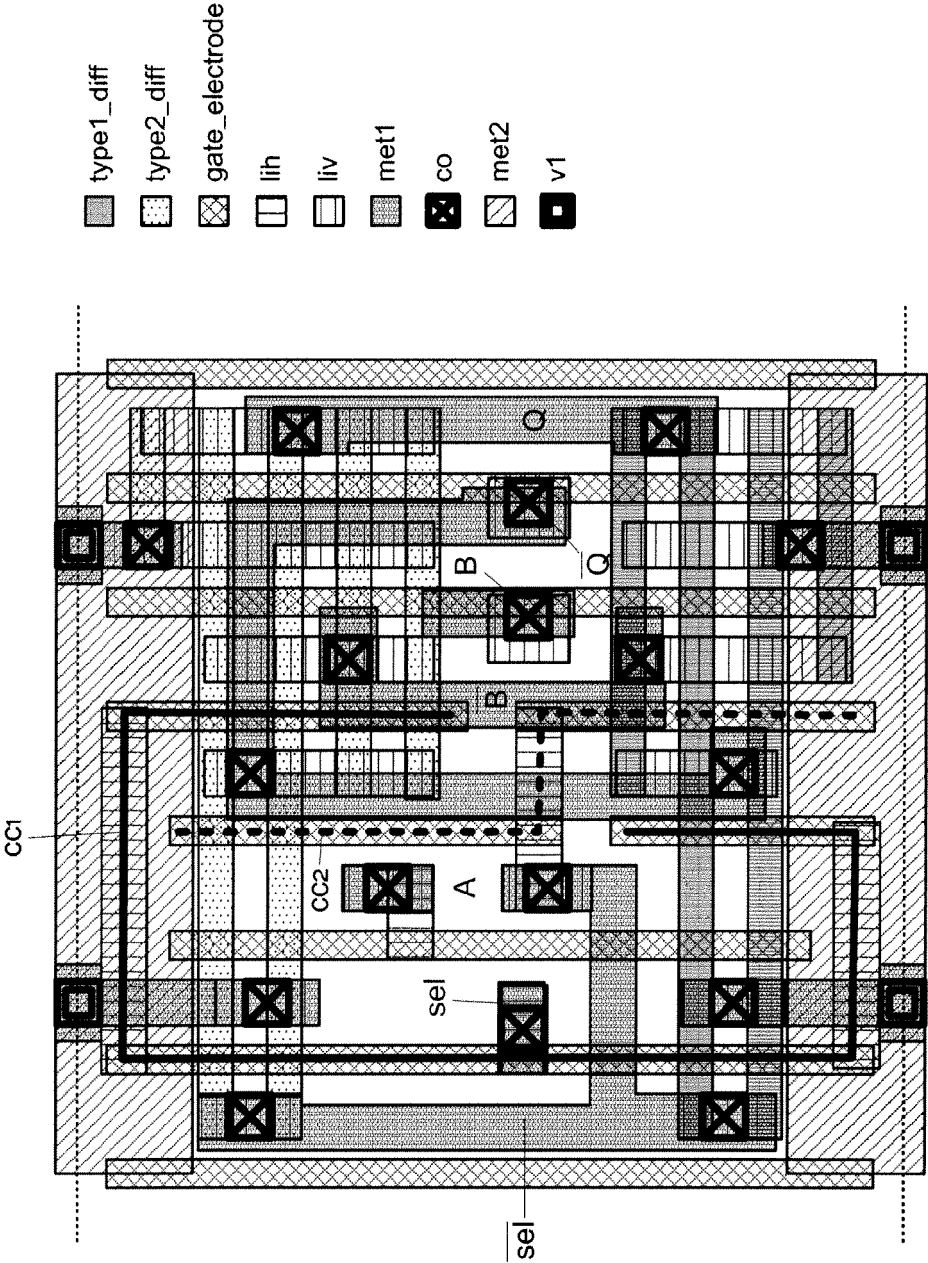


Fig. 48B

102/164

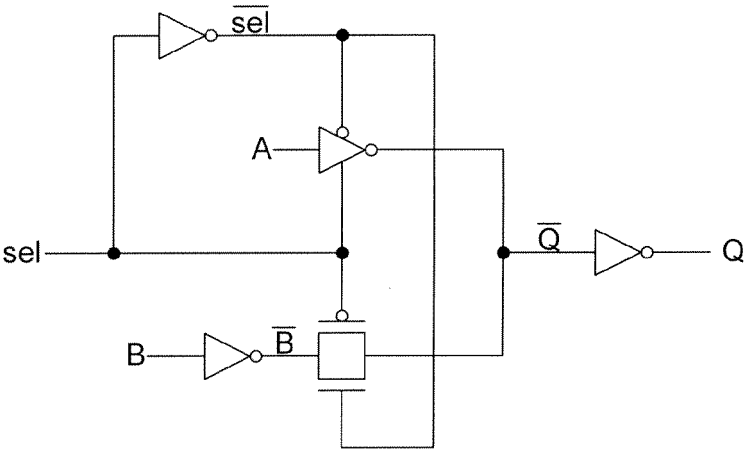


Fig. 48C

103/164

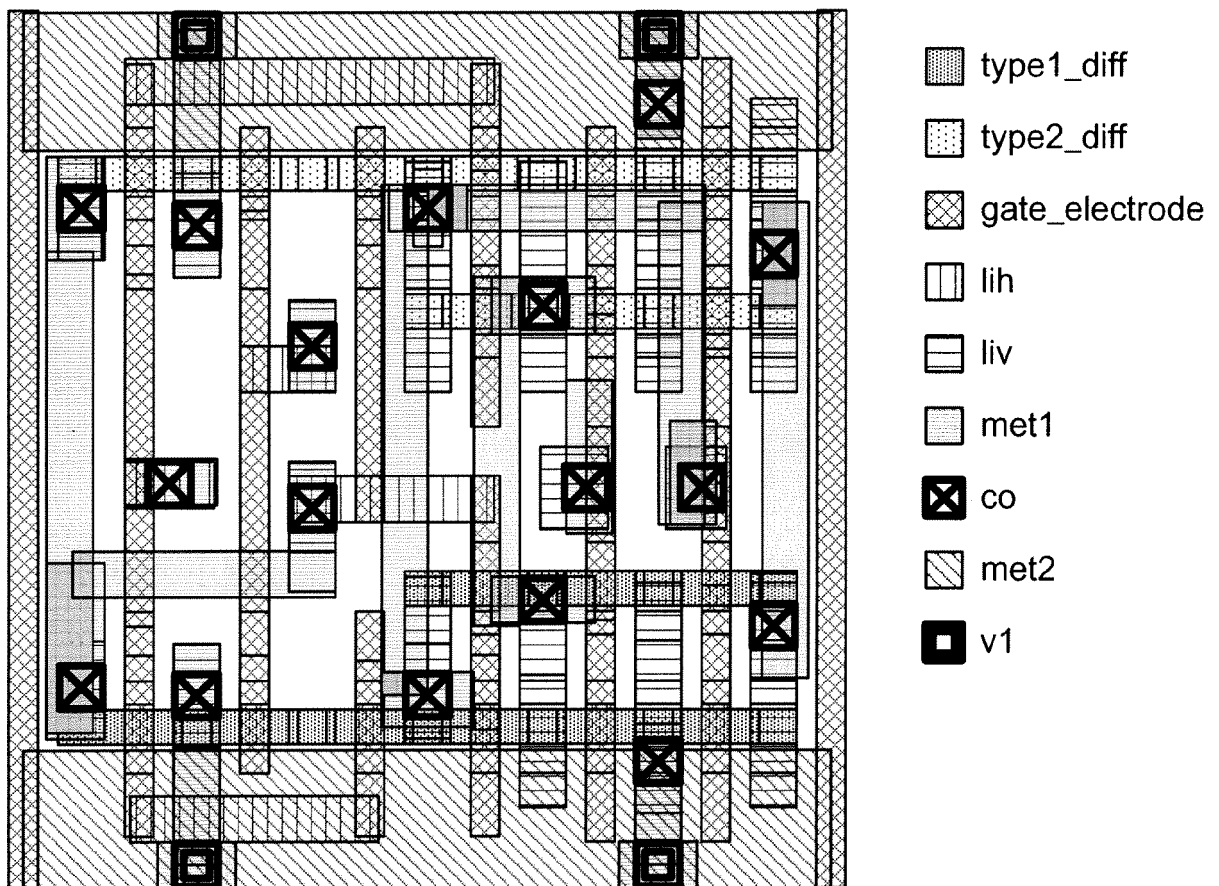


Fig. 49A

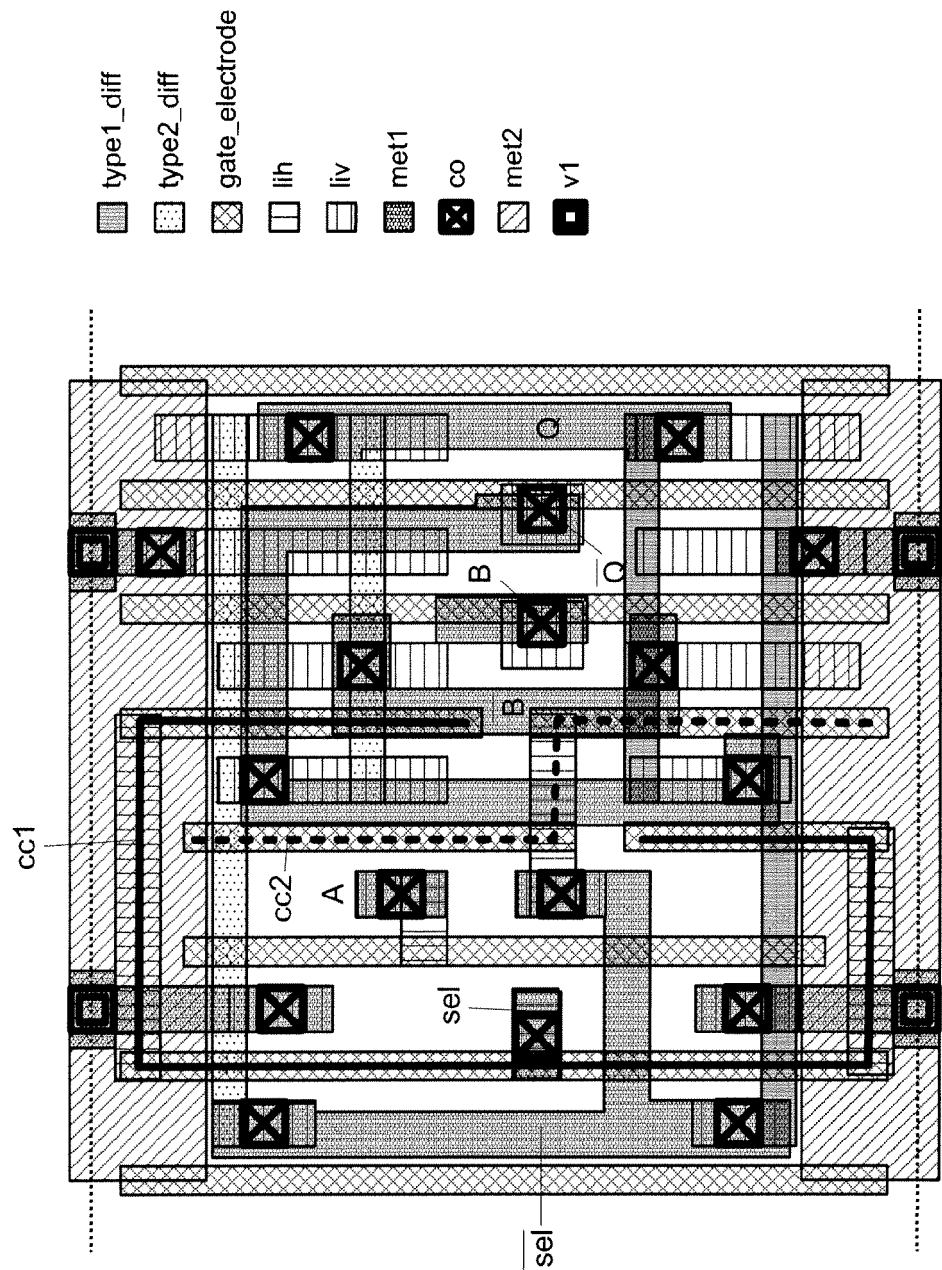


Fig. 49B

105/164

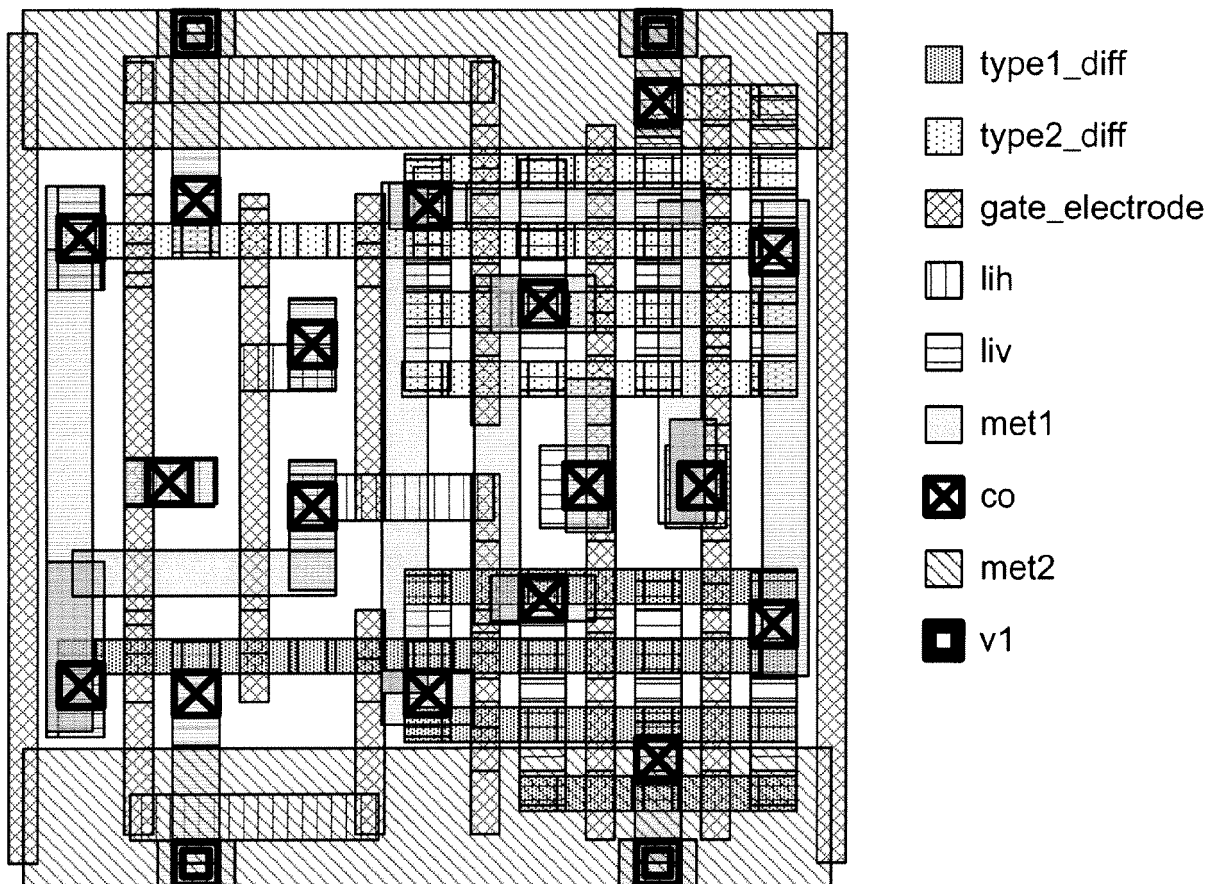


Fig. 50A

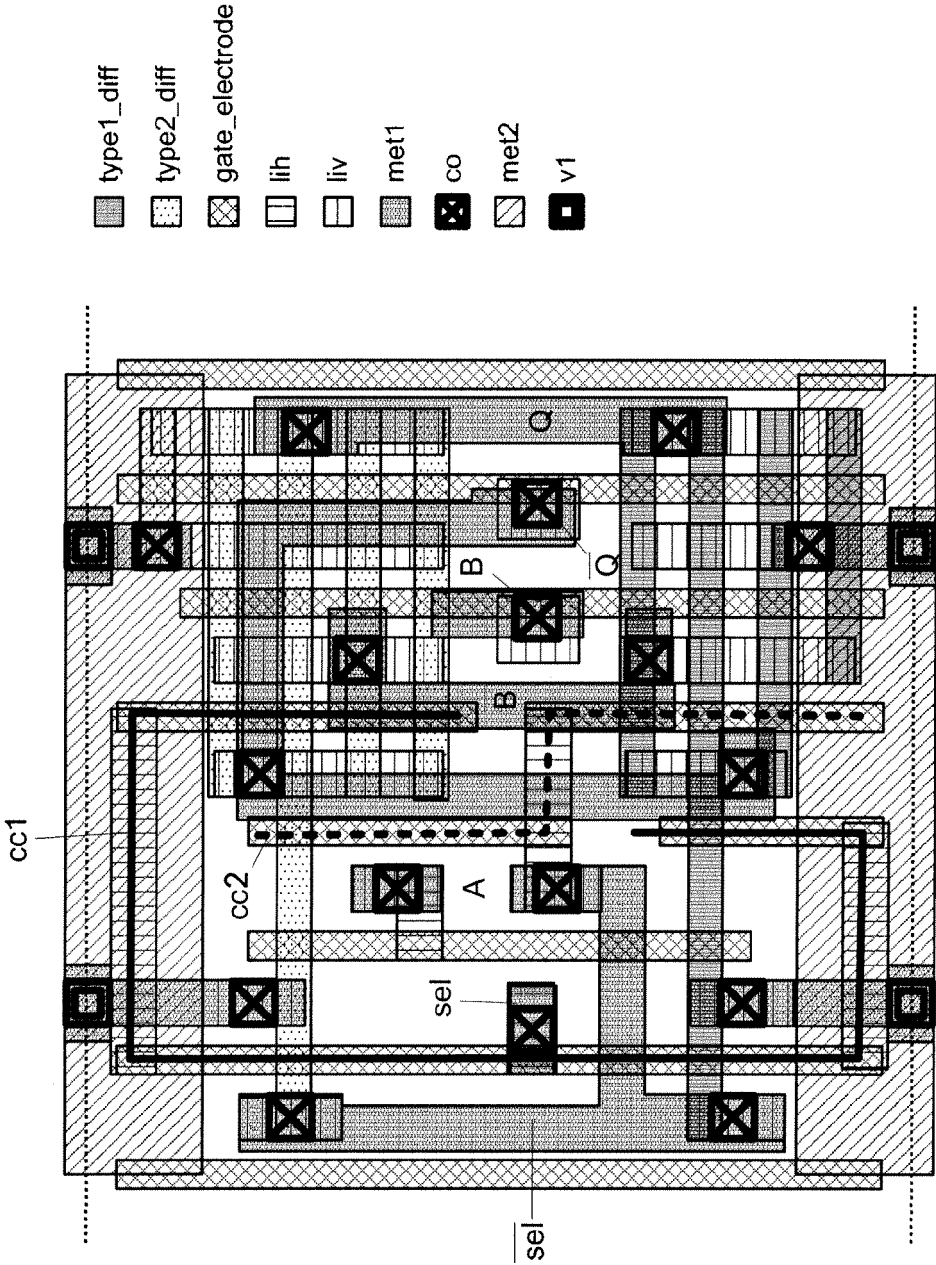


Fig. 50B

107/164

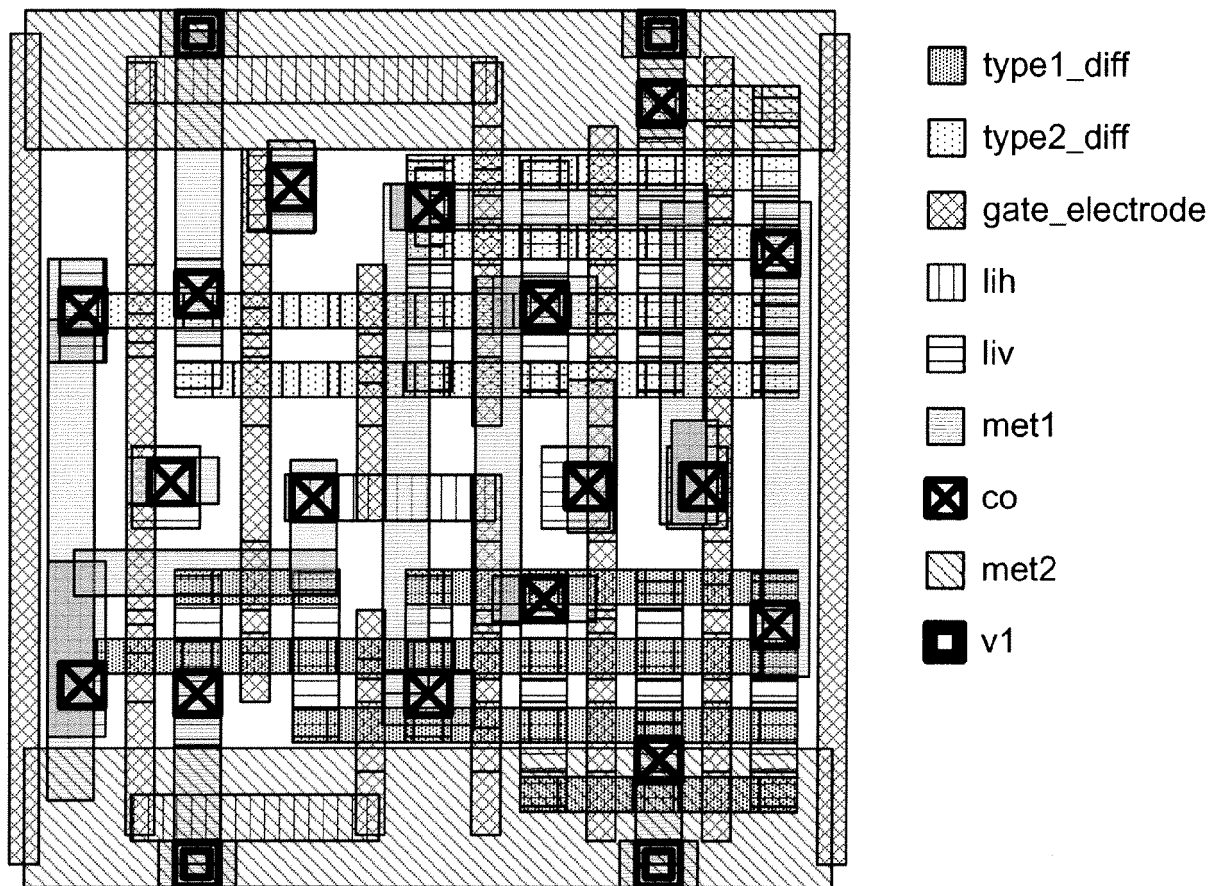


Fig. 51A

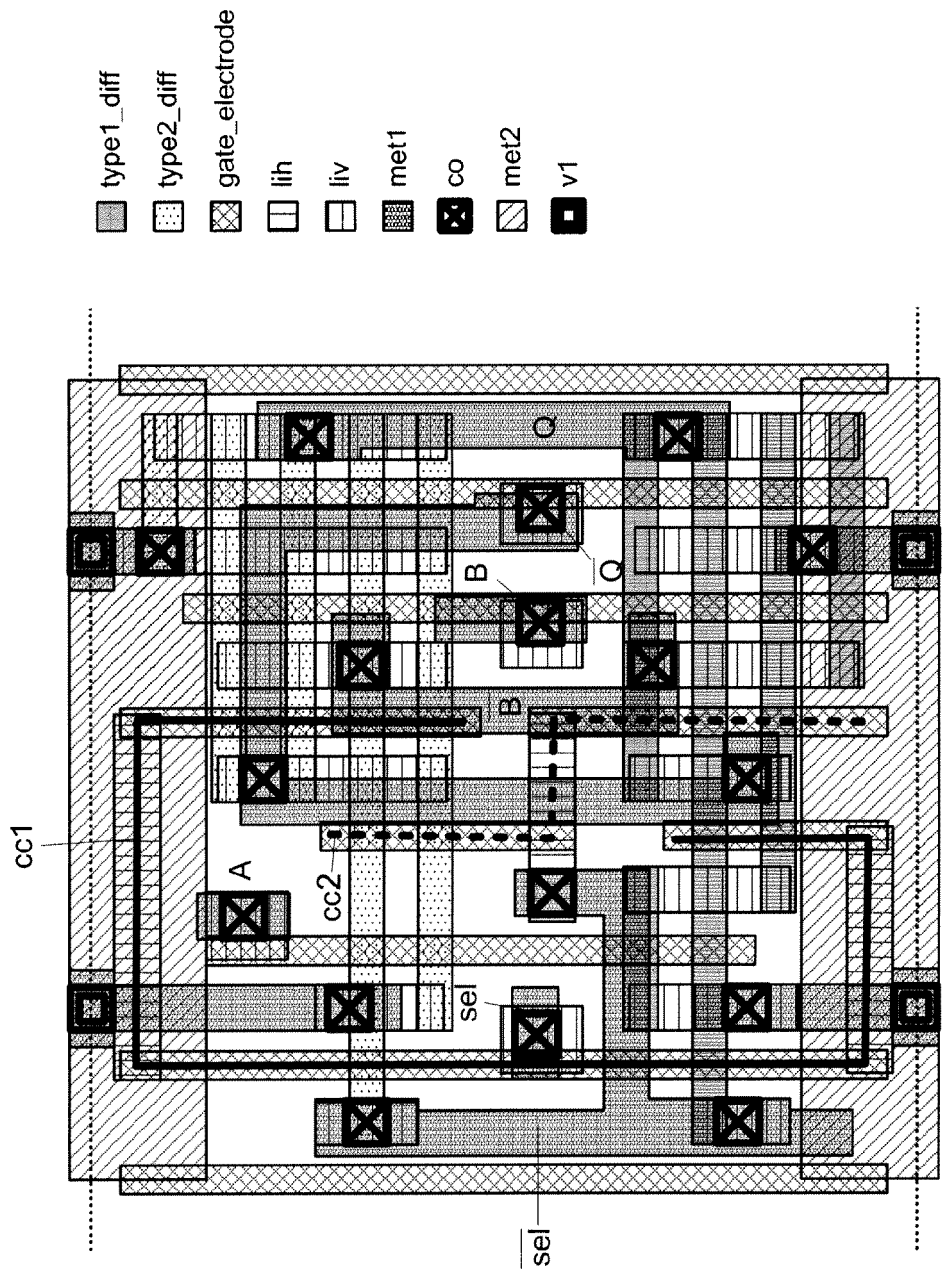


Fig. 51B

109/164

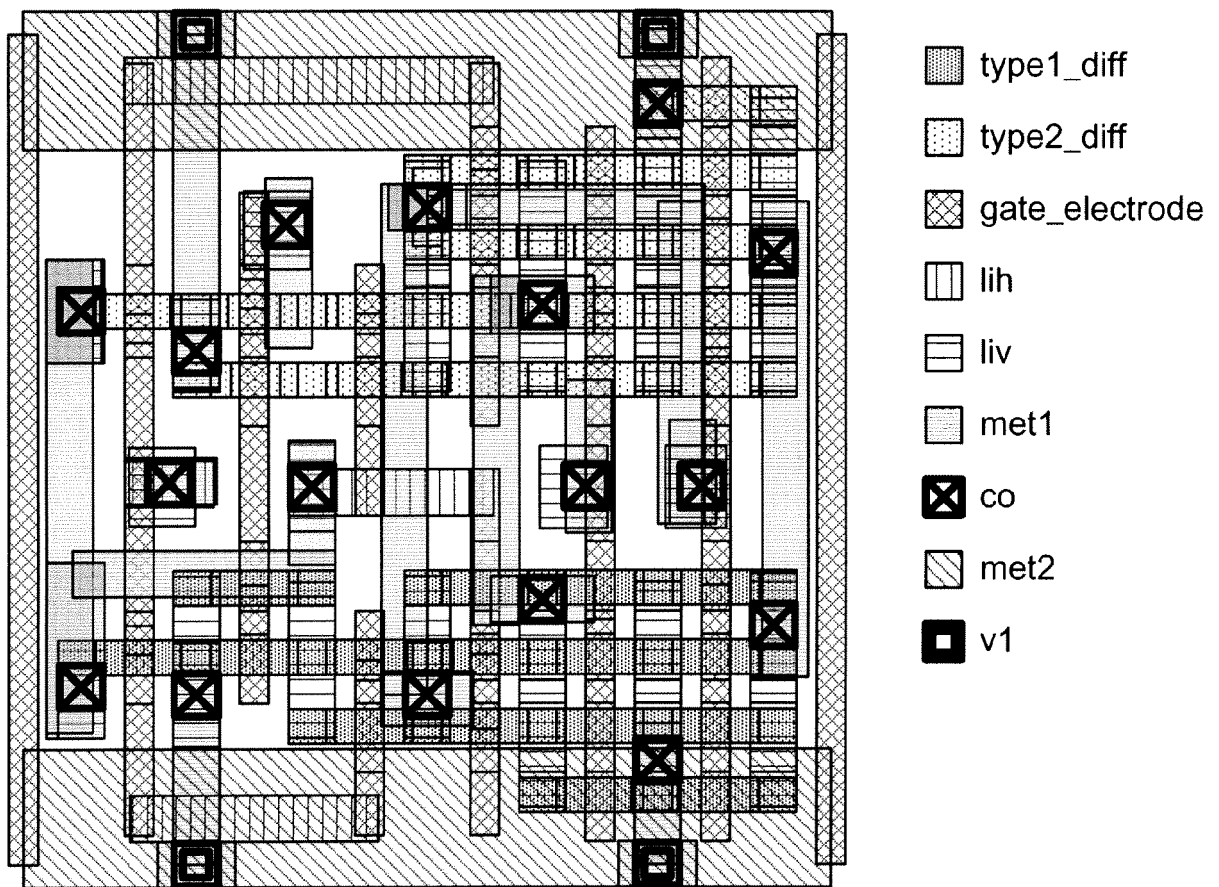


Fig. 52A

110/164

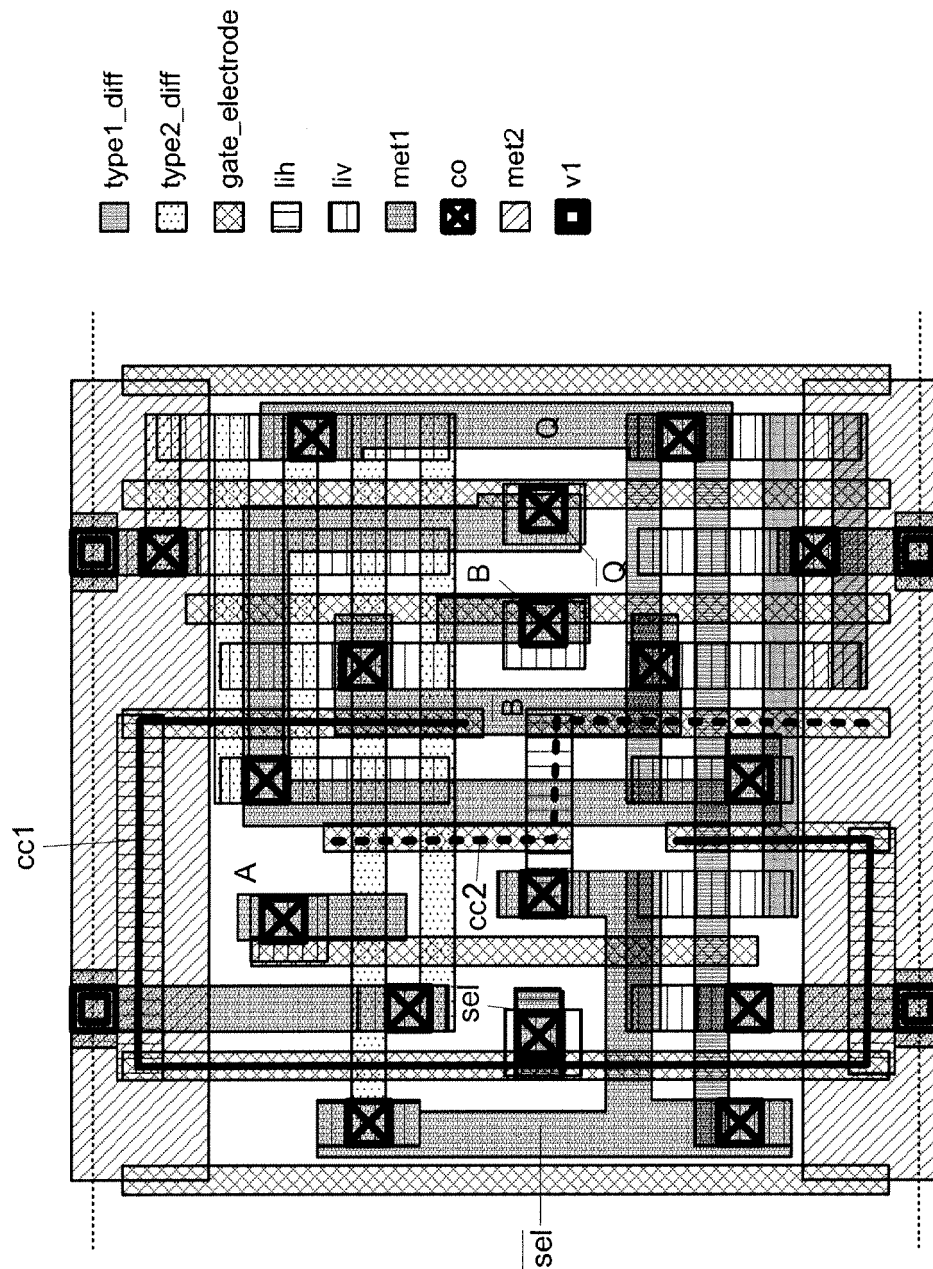


Fig. 52B

111/164

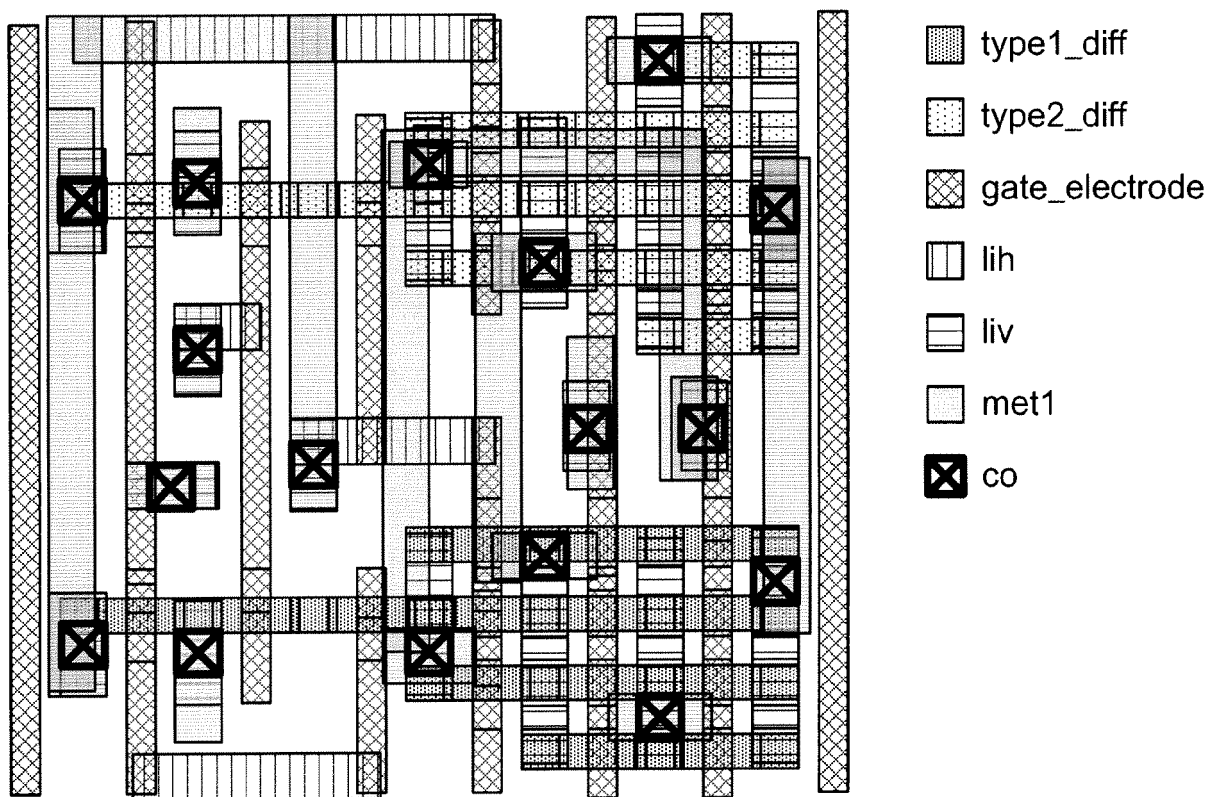


Fig. 53A

112/164

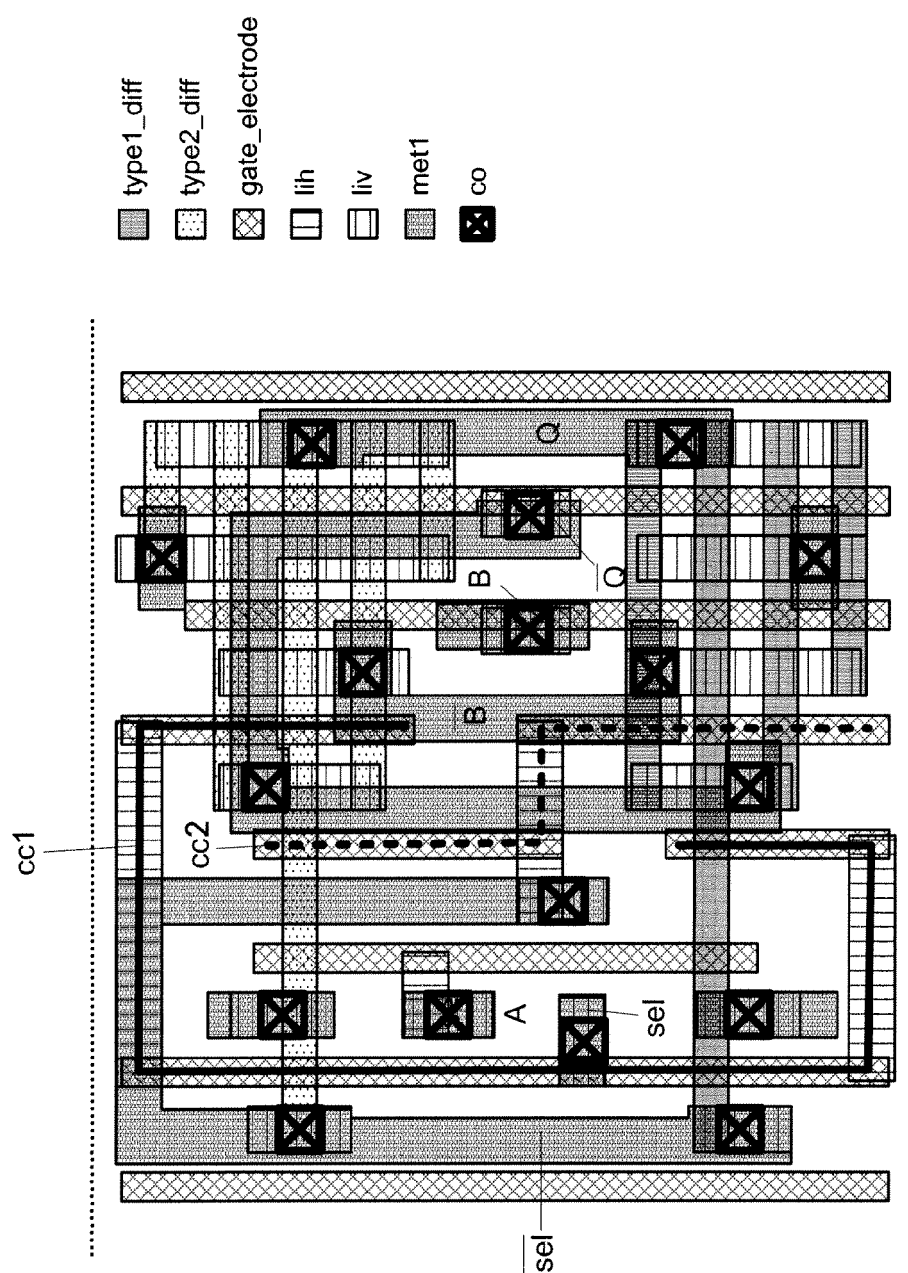


Fig. 53B

113/164

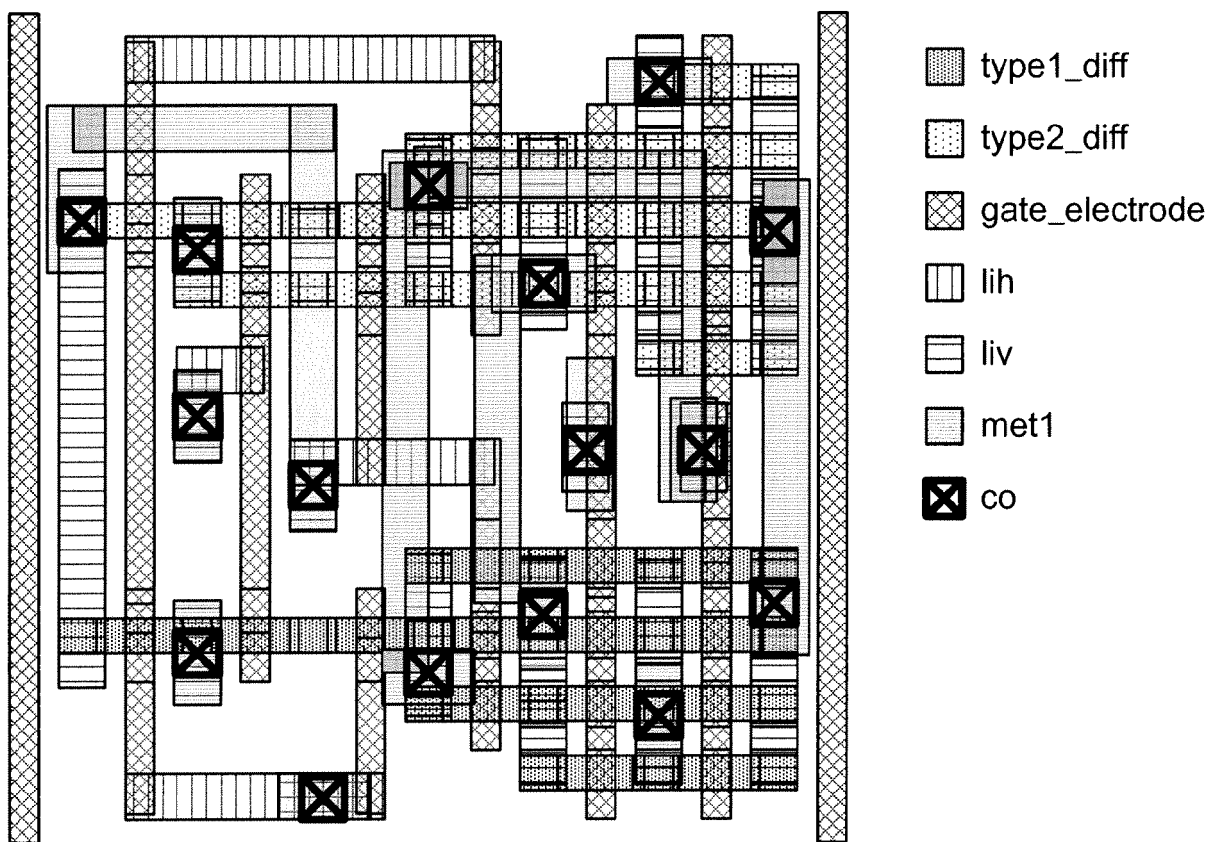


Fig. 54A

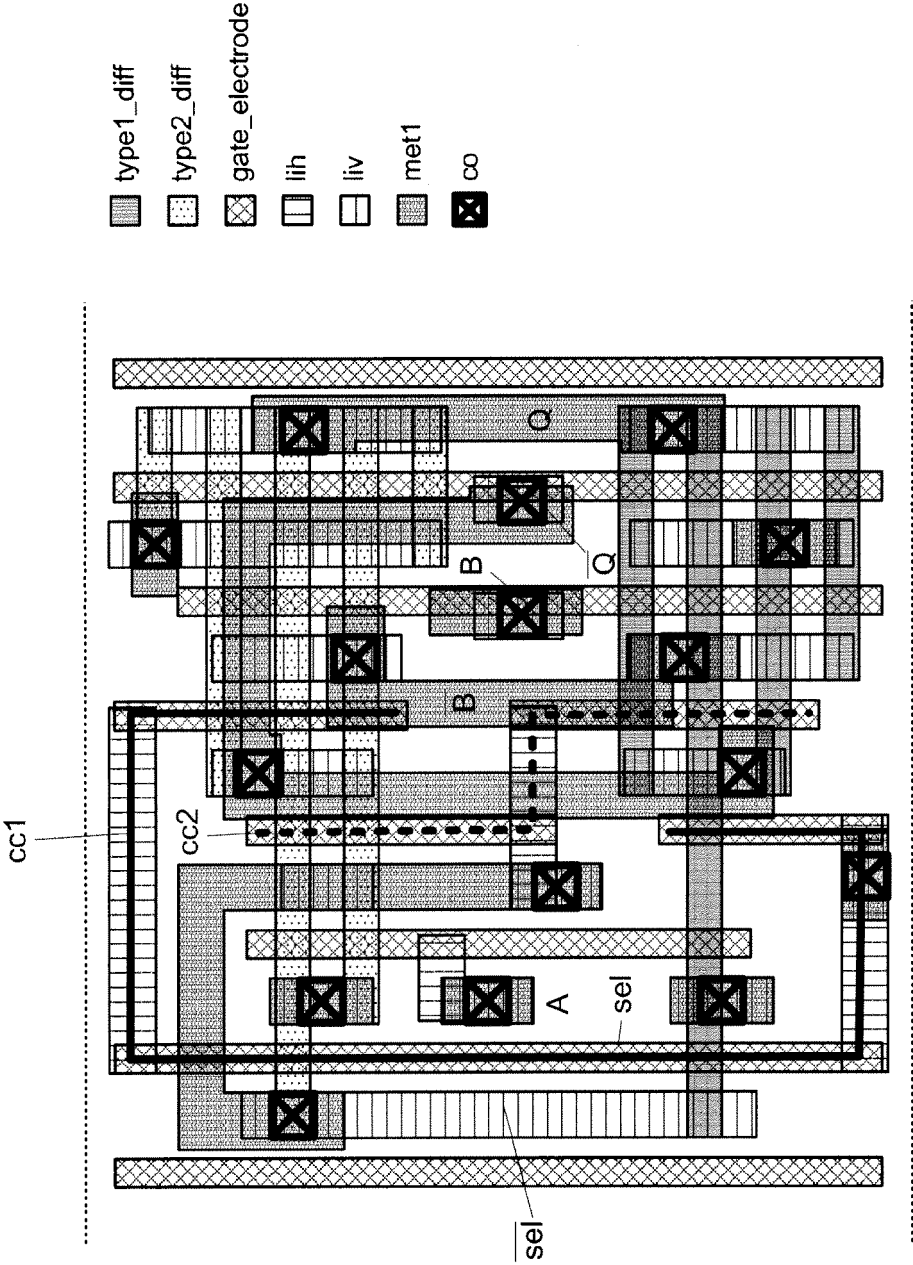


Fig. 54B

115/164

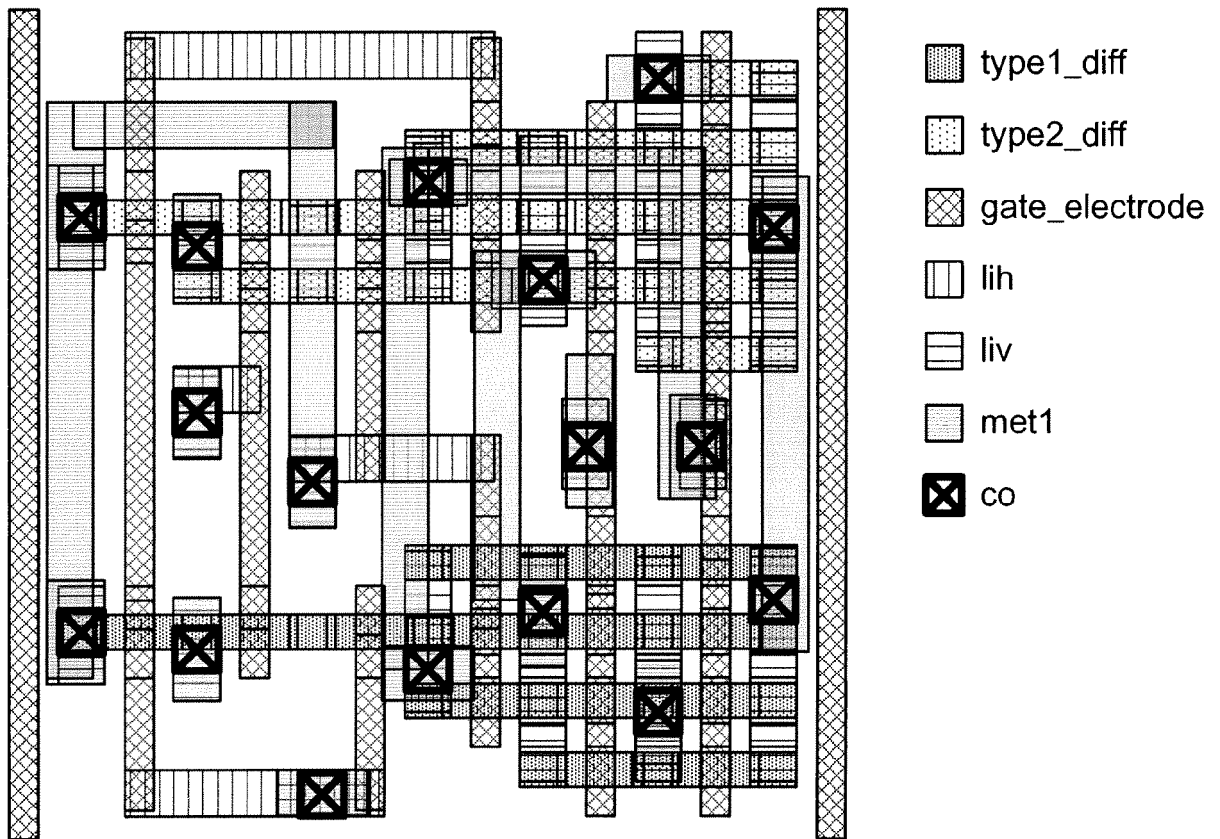


Fig. 55A

116/164

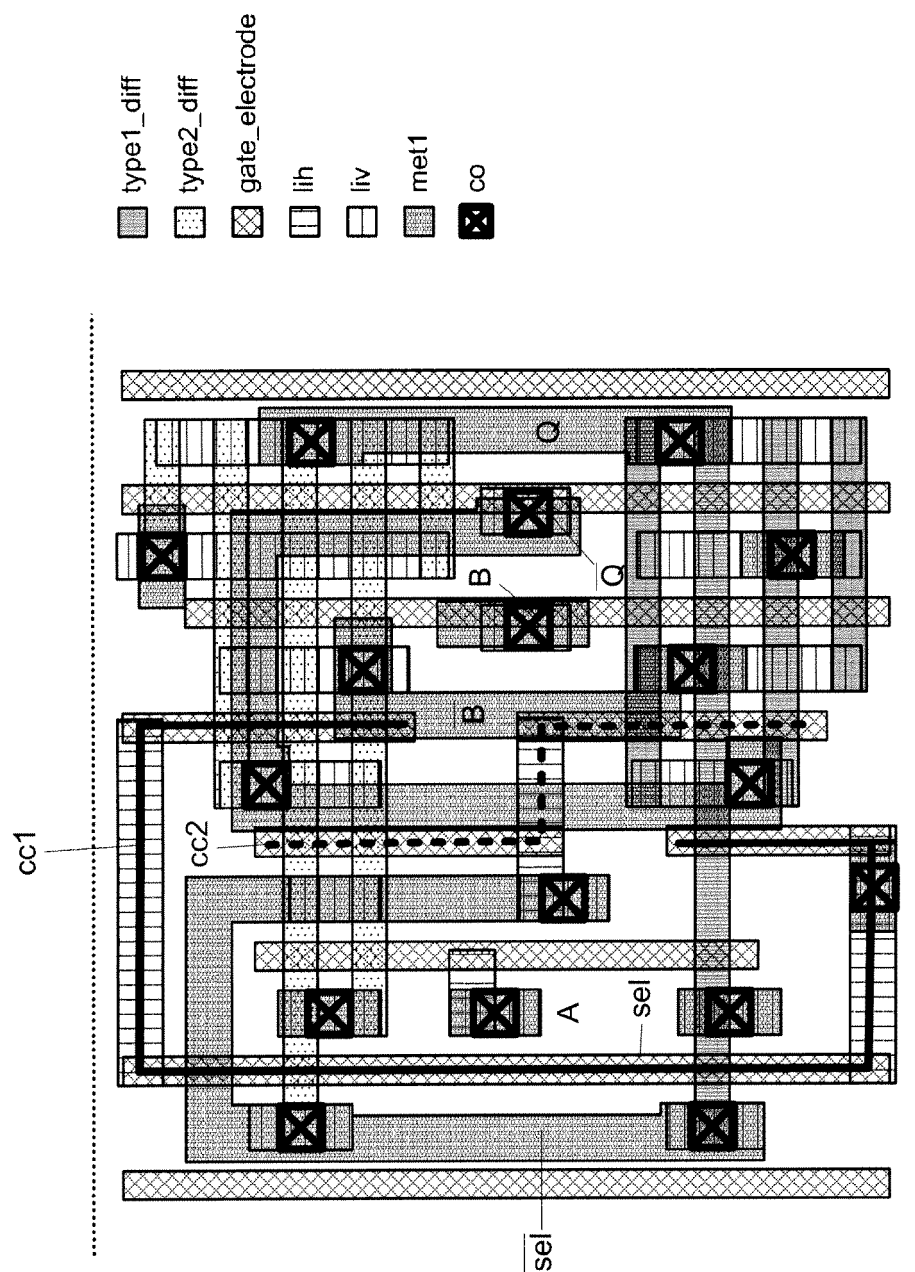


Fig. 55B

117/164

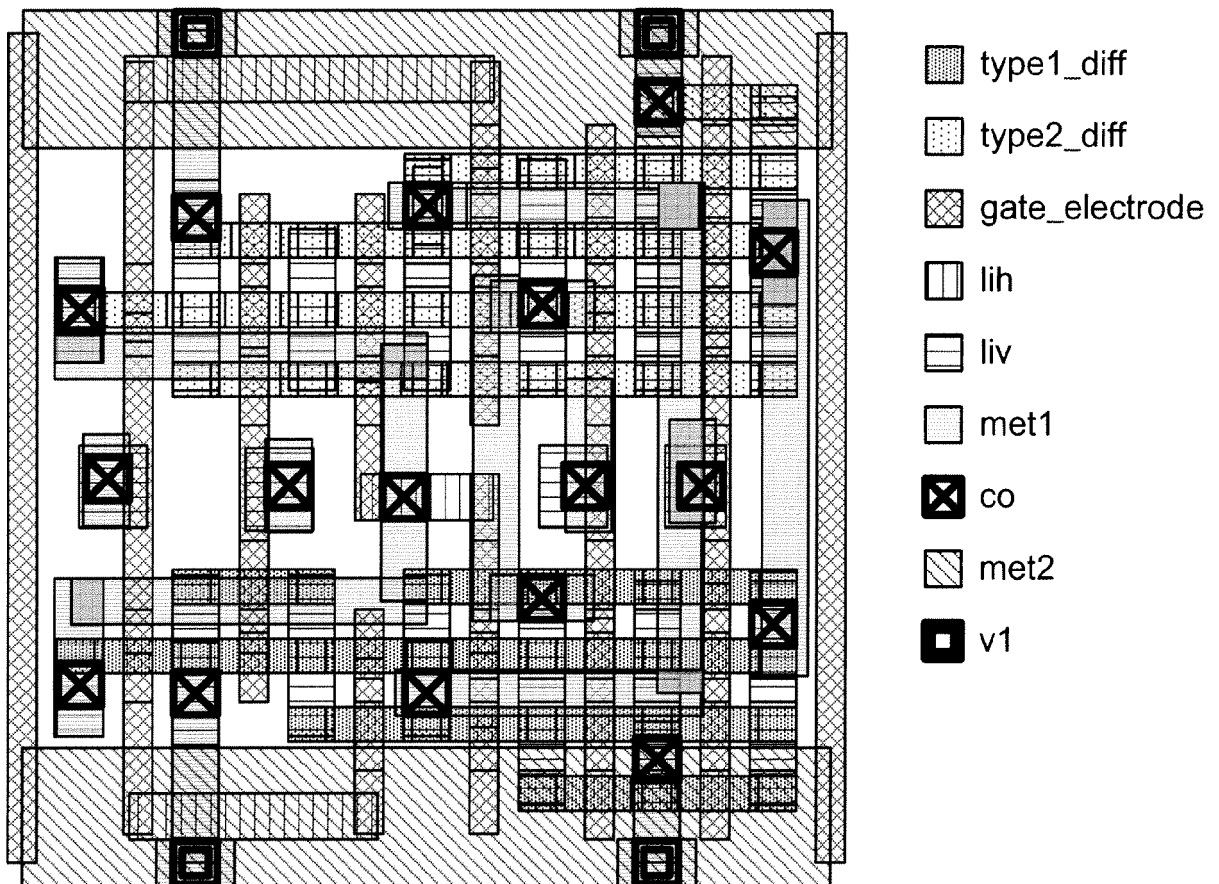


Fig. 56A

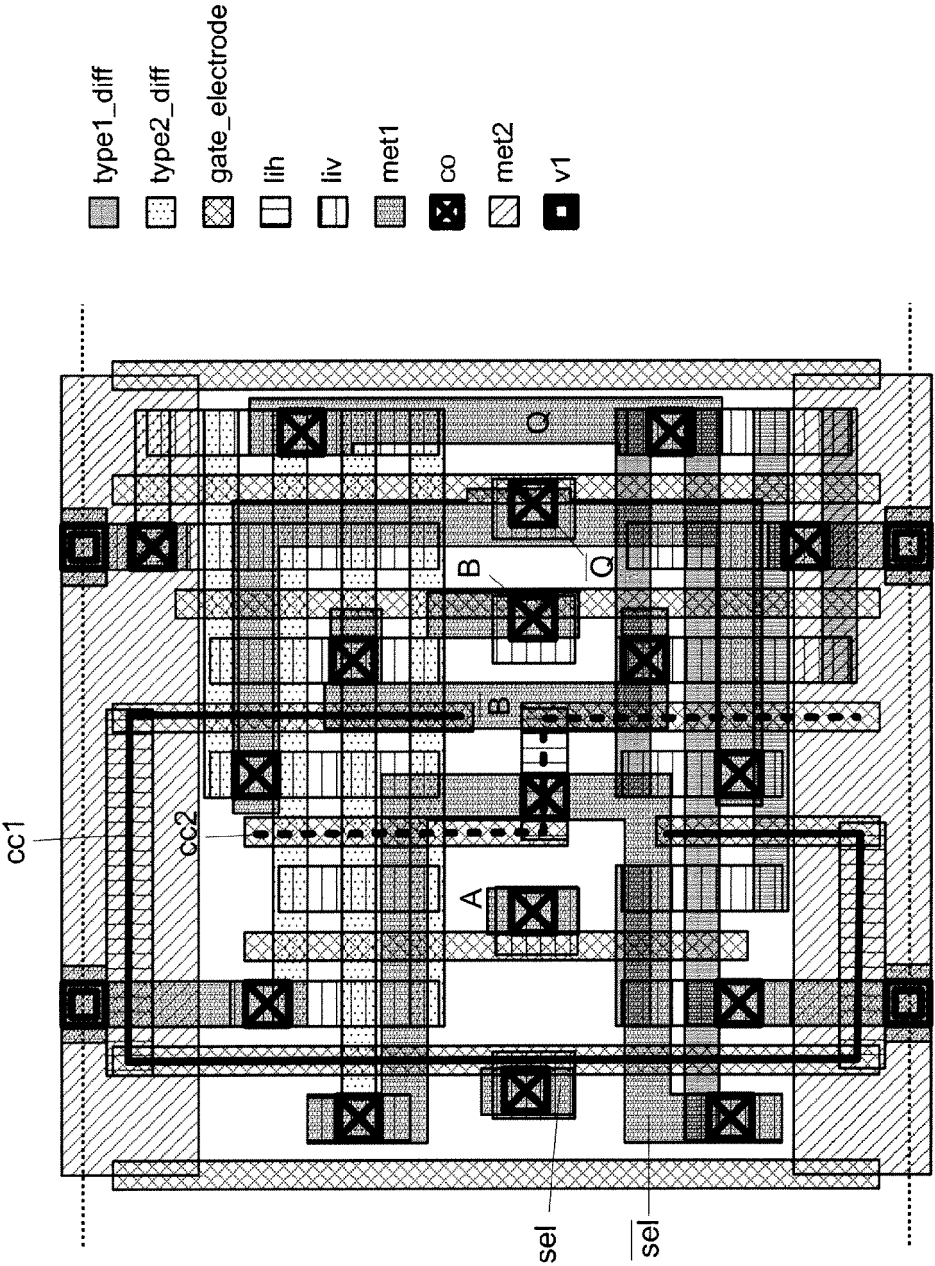


Fig. 56B

119/164

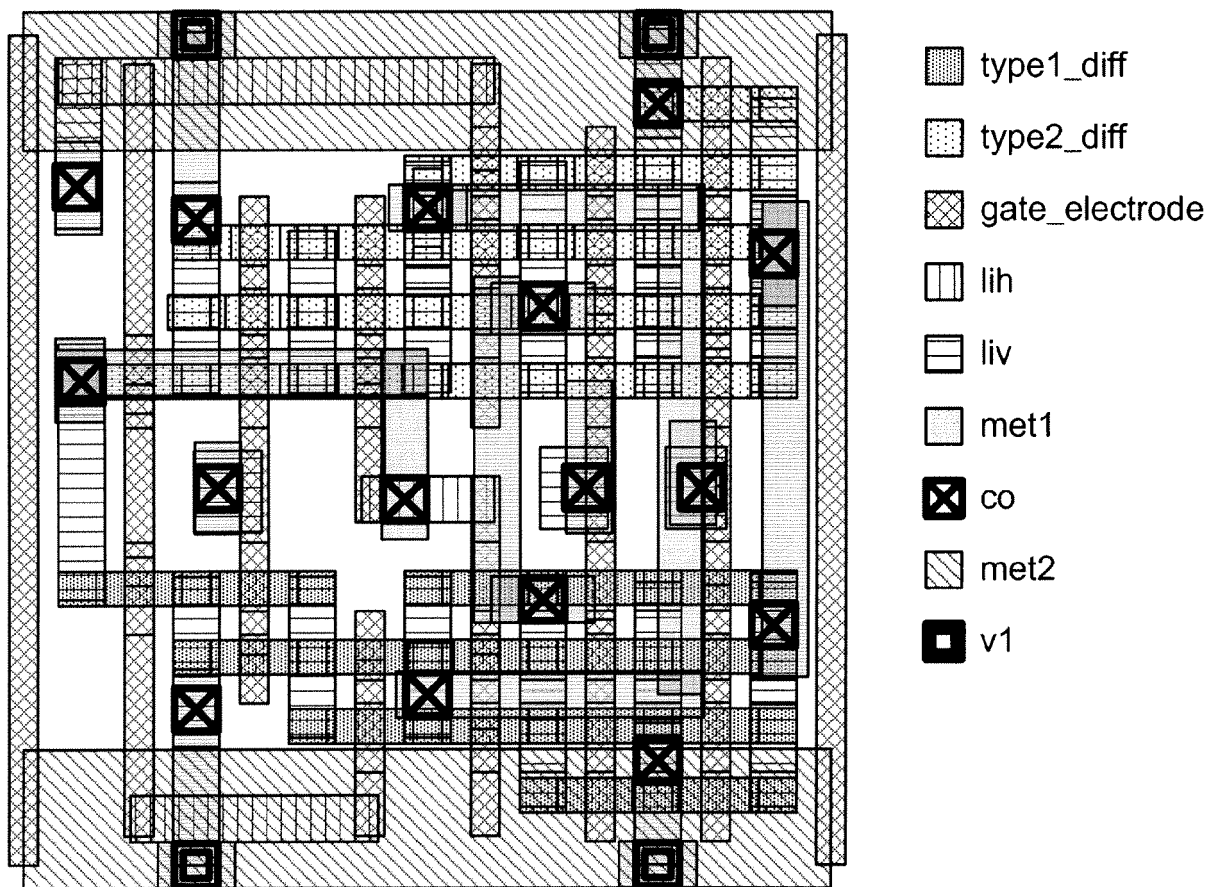


Fig. 57A

120/164

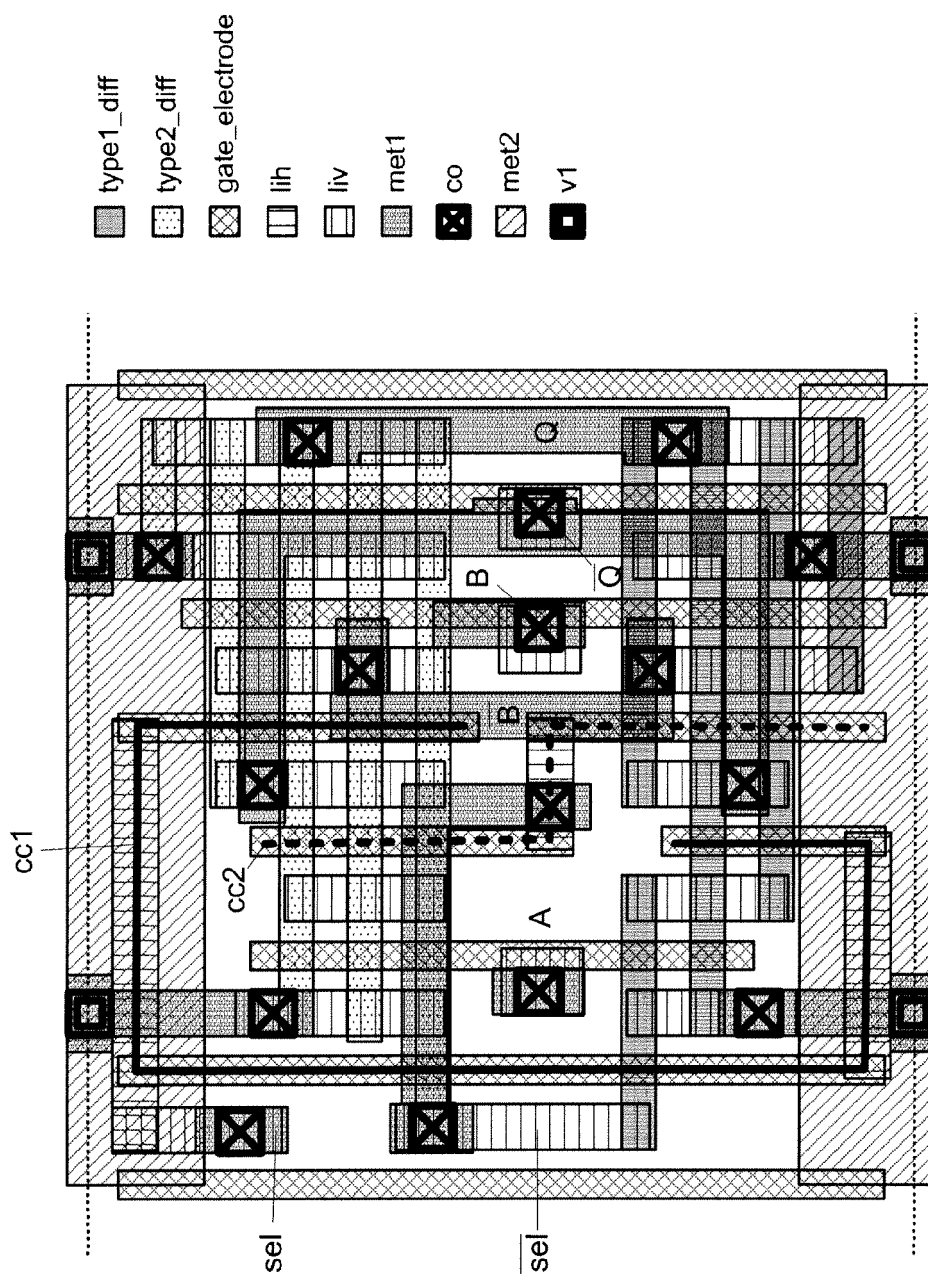


Fig. 57B

121/164

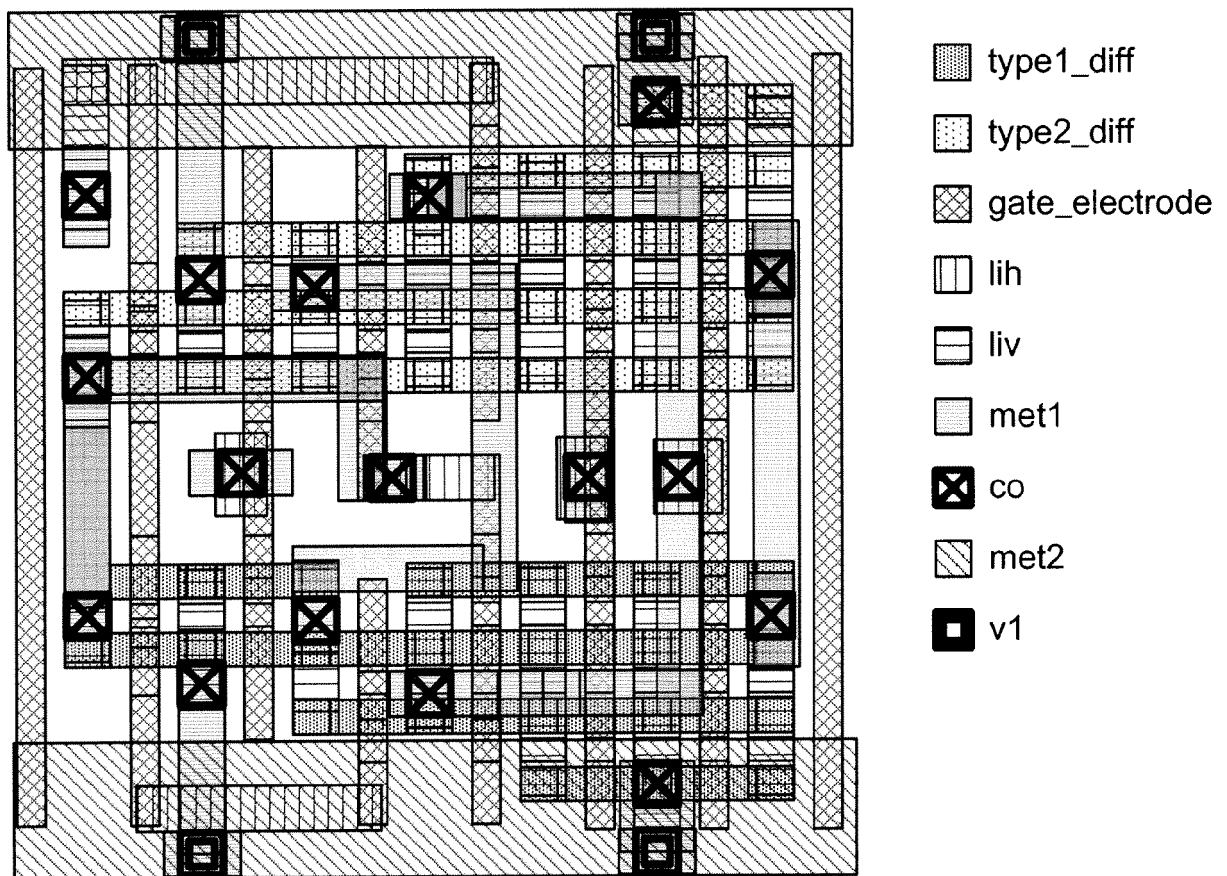


Fig. 58A

122/164

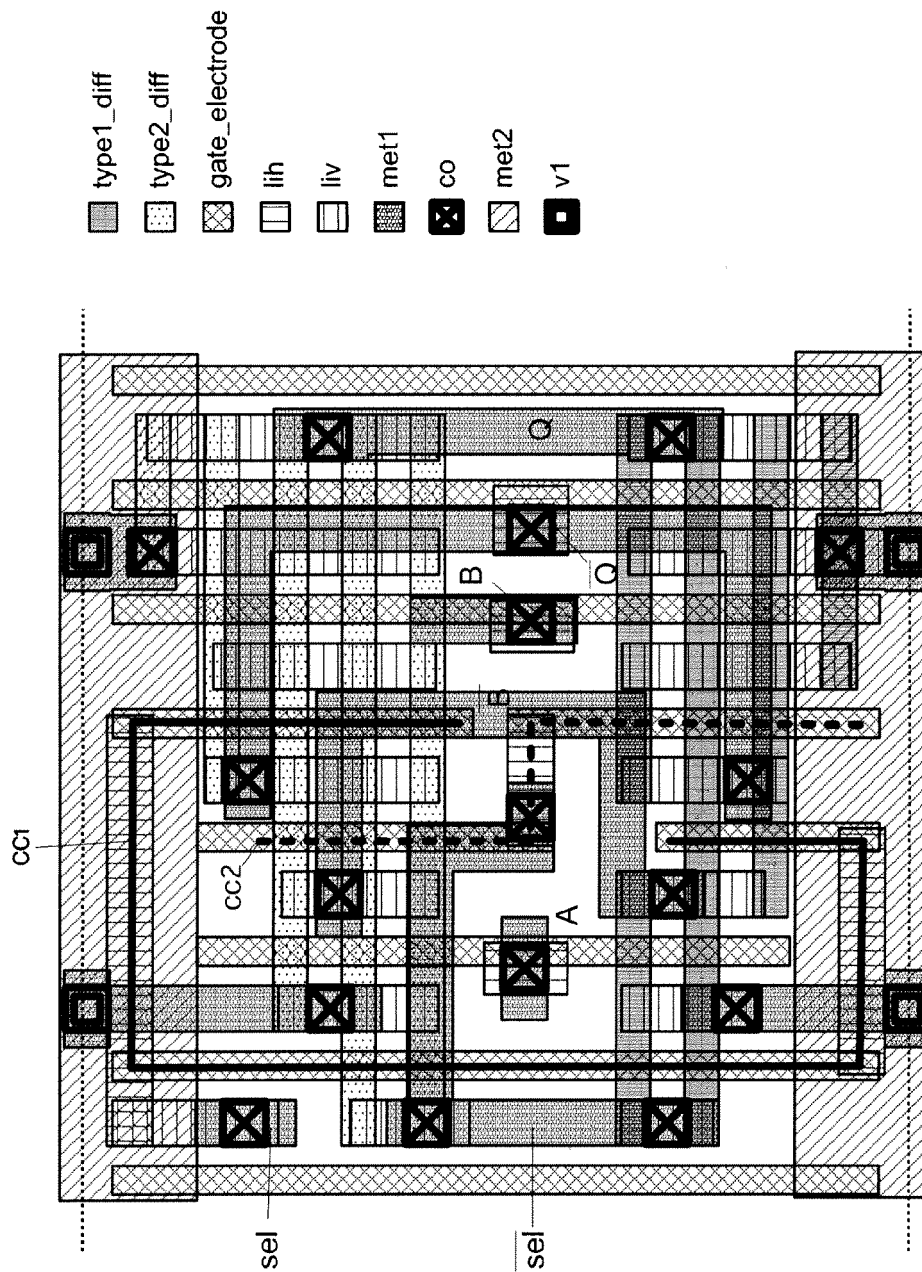


Fig. 58B

123/164

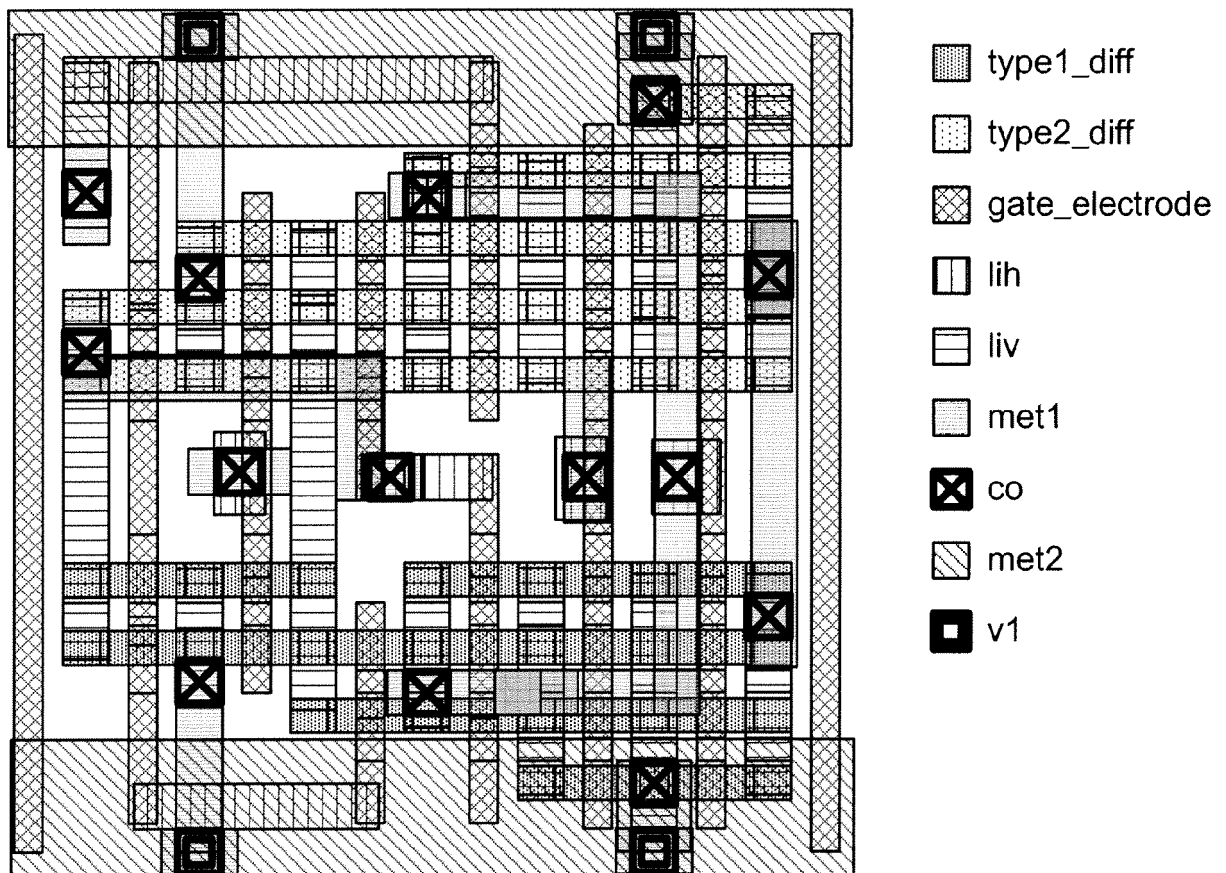


Fig. 59A

124/164

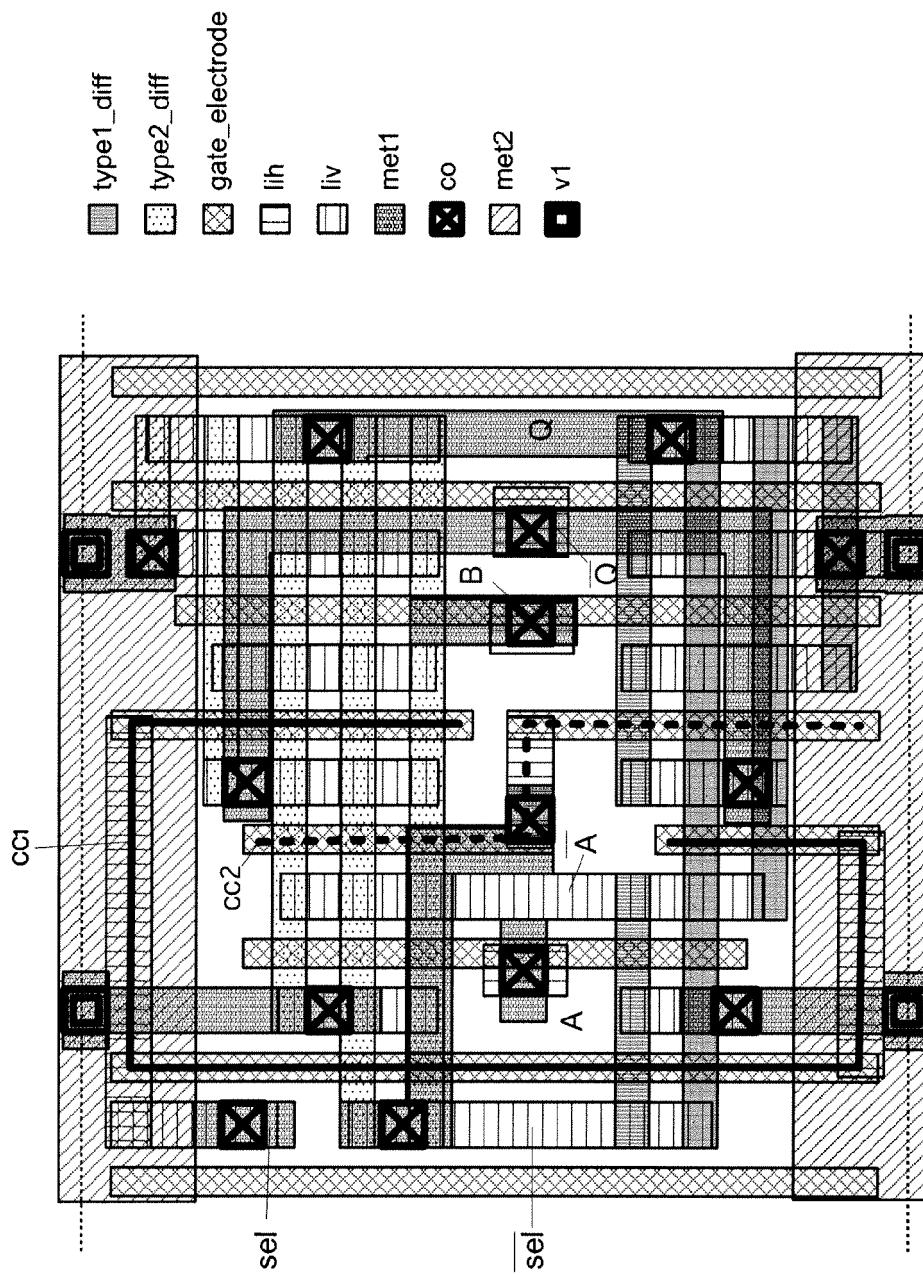


Fig. 59B

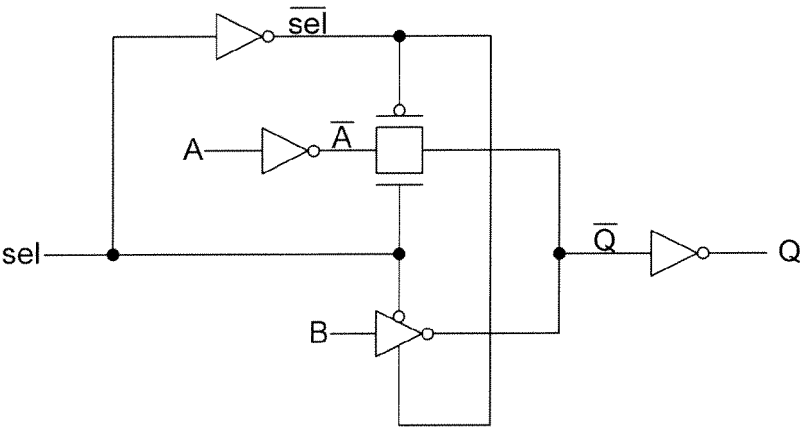


Fig. 59C

126/164

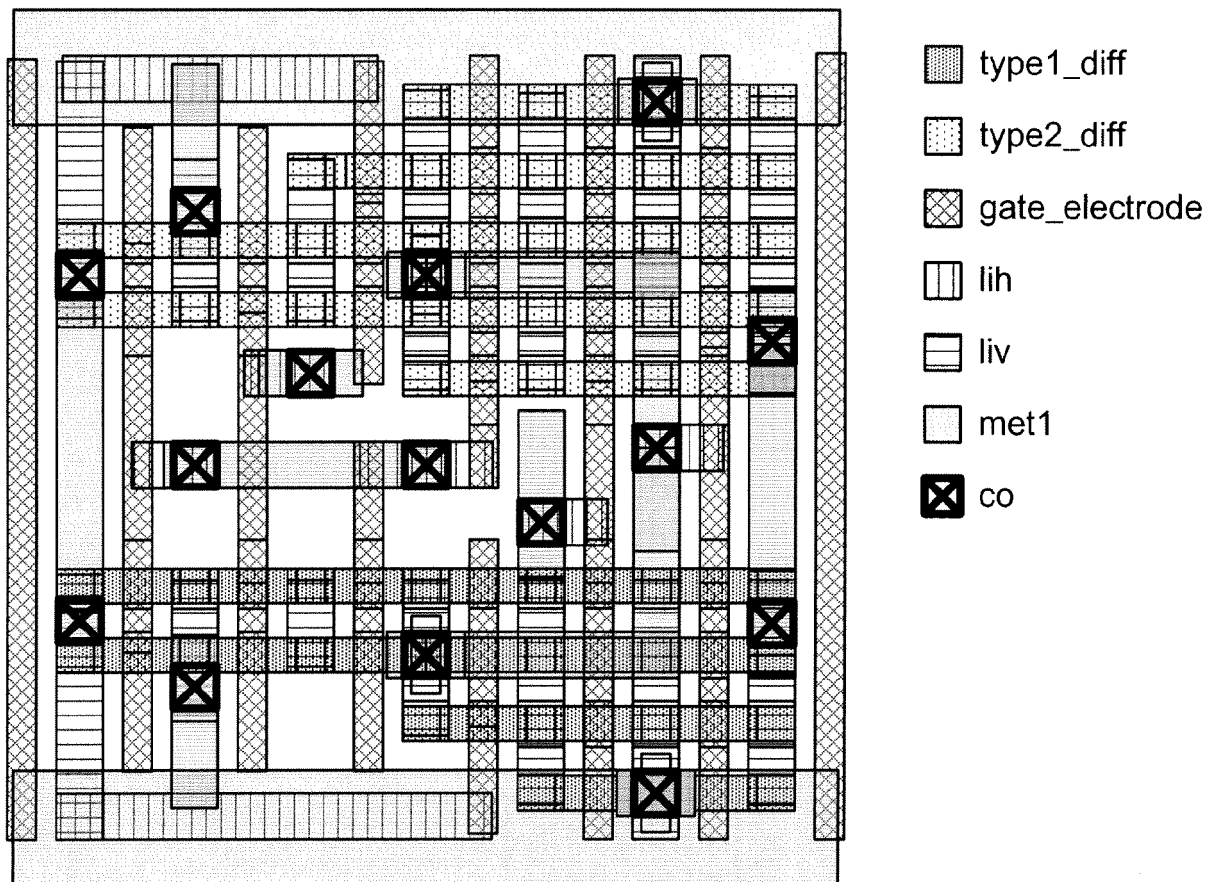


Fig. 60A

127/164

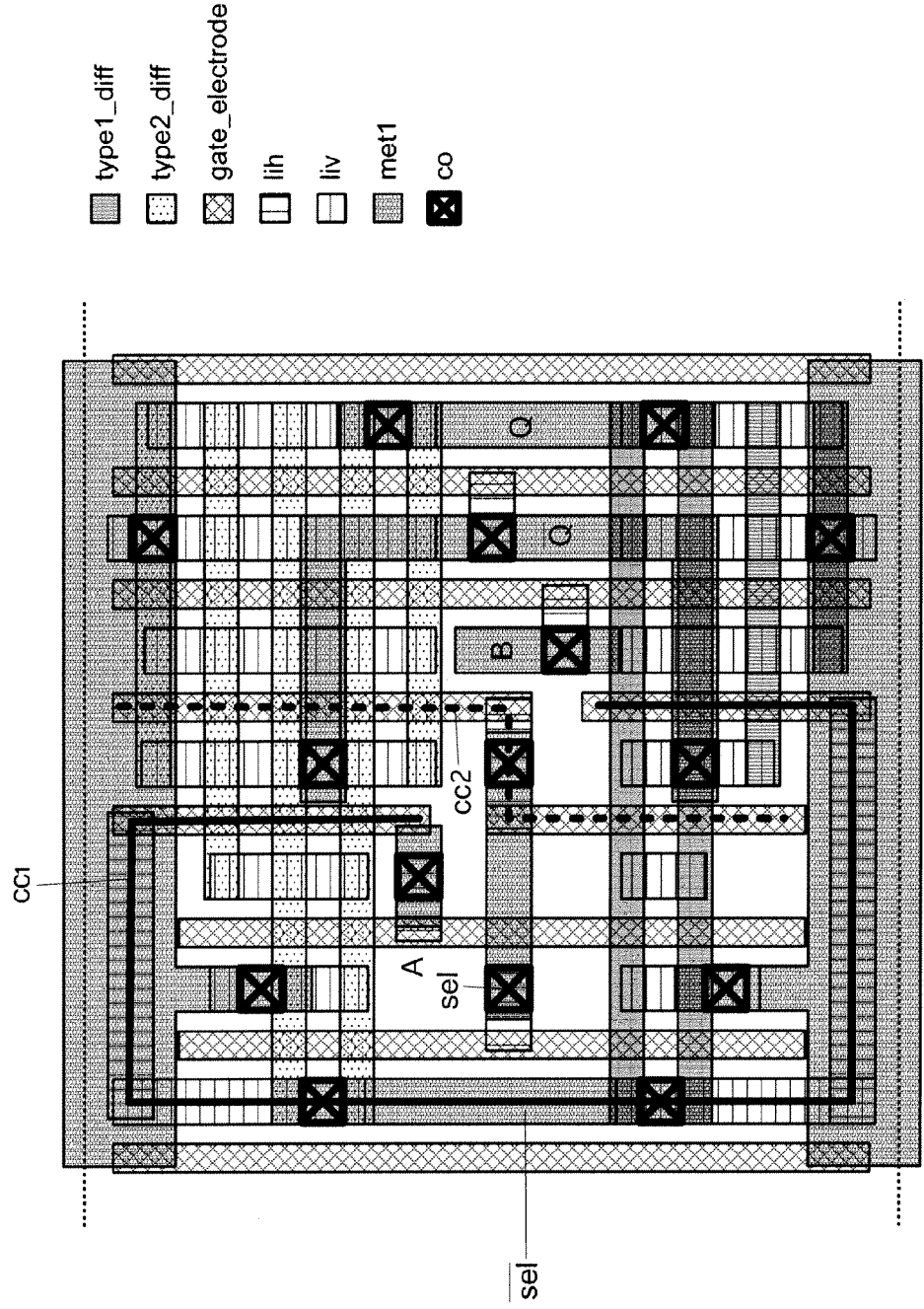


Fig. 60B

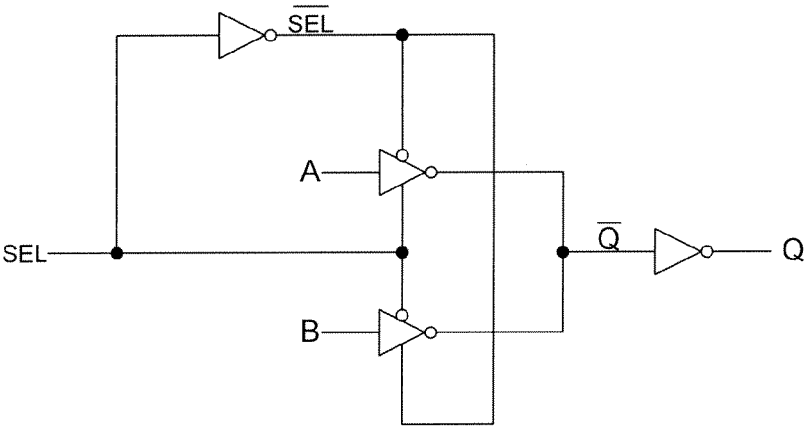


FIG. 60C

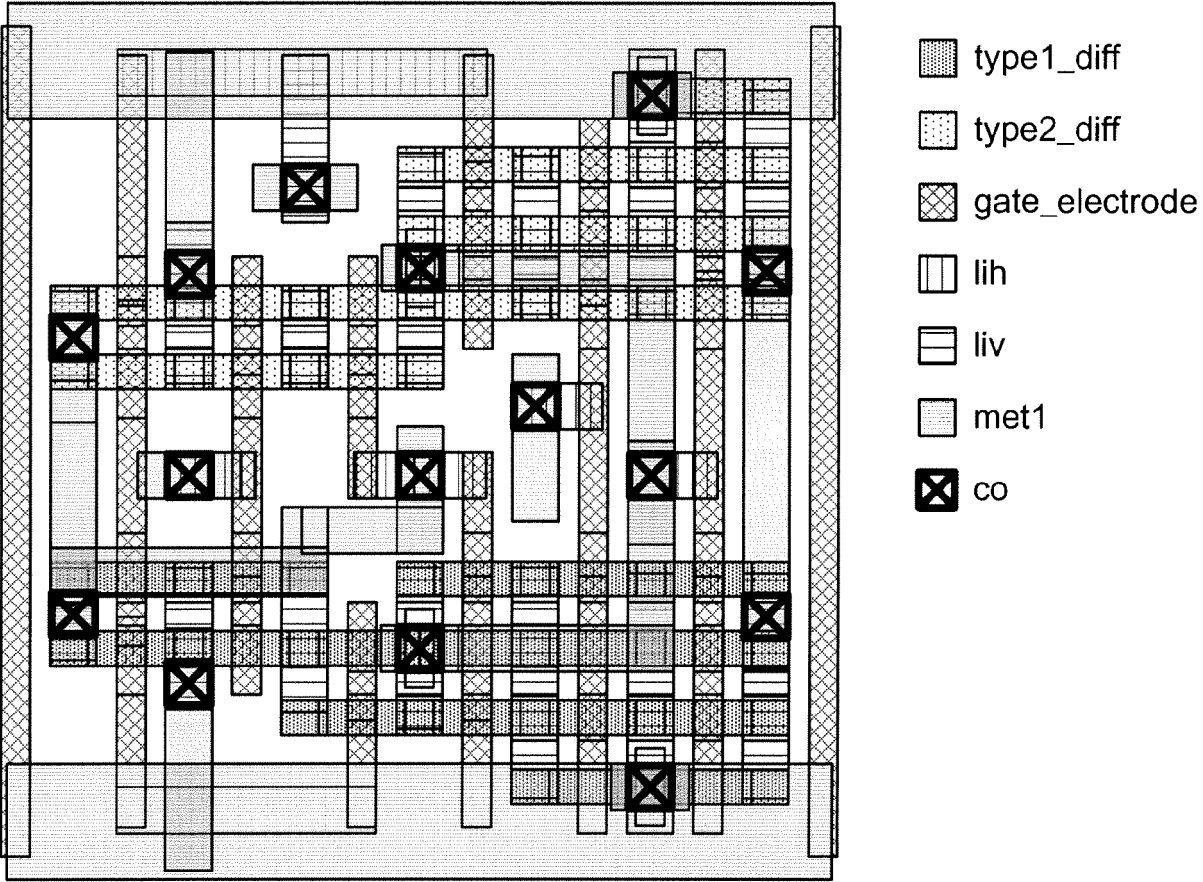


Fig. 61A

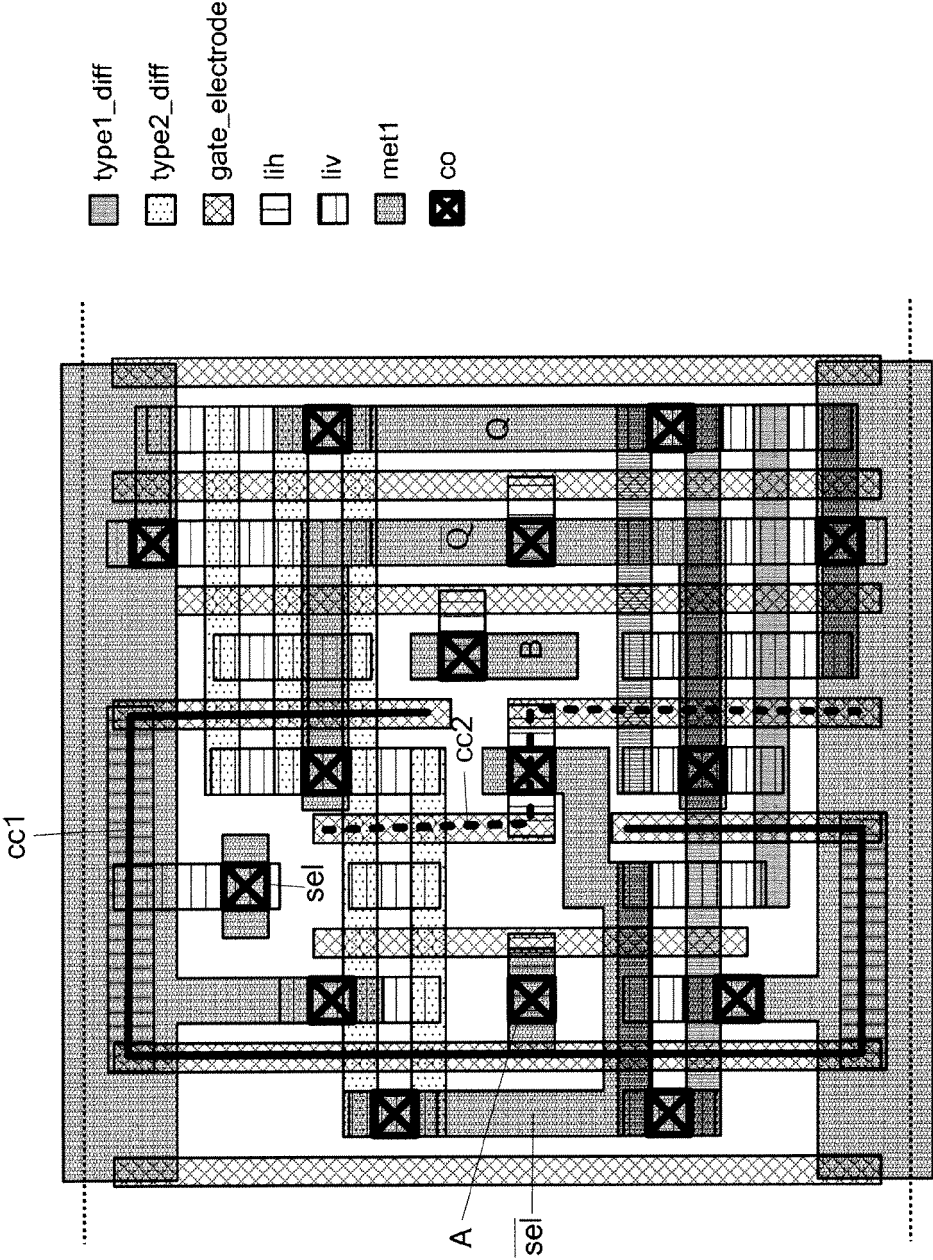


Fig. 61B

131/164

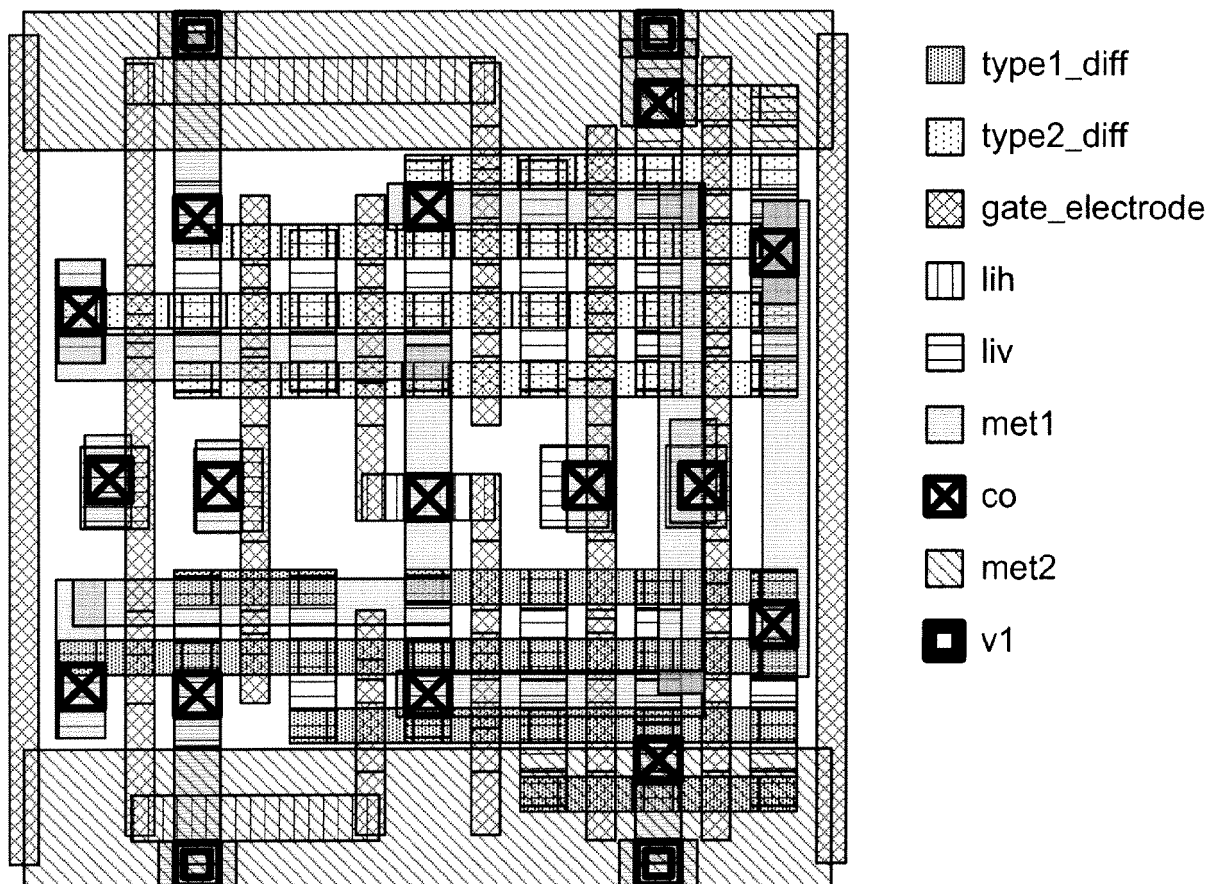


Fig. 62A

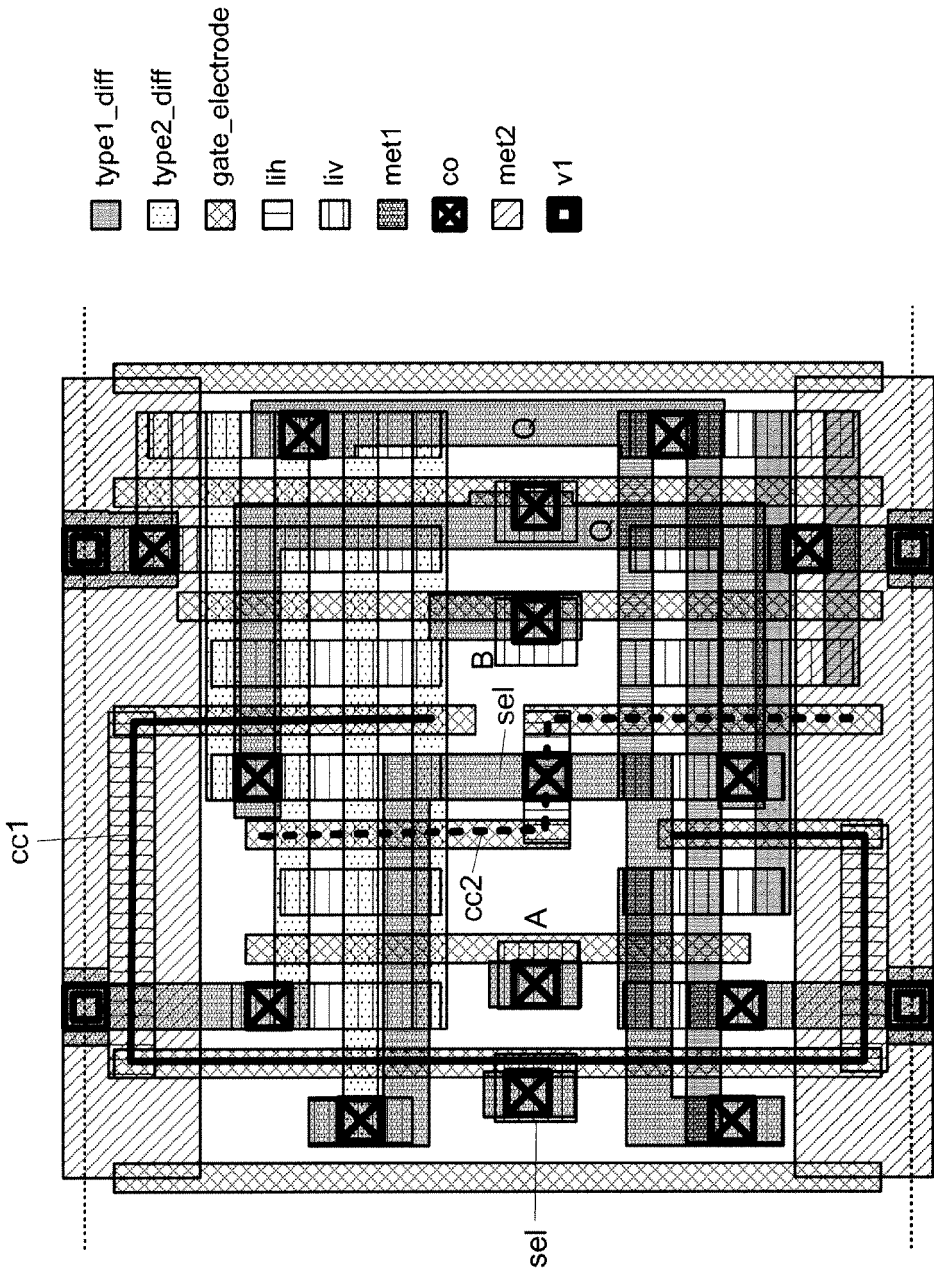


Fig. 62B

133/164

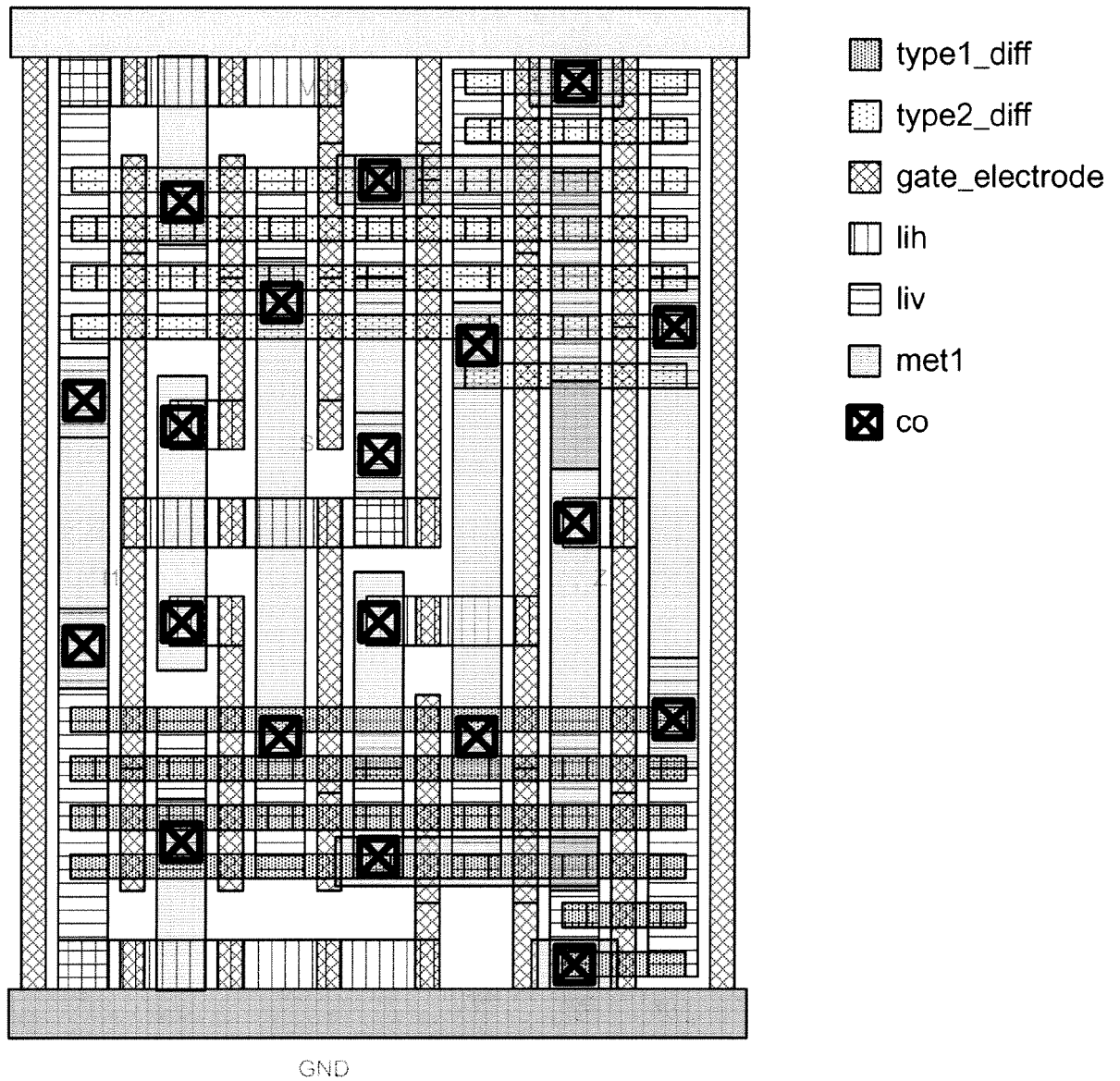


Fig. 63A

134/164

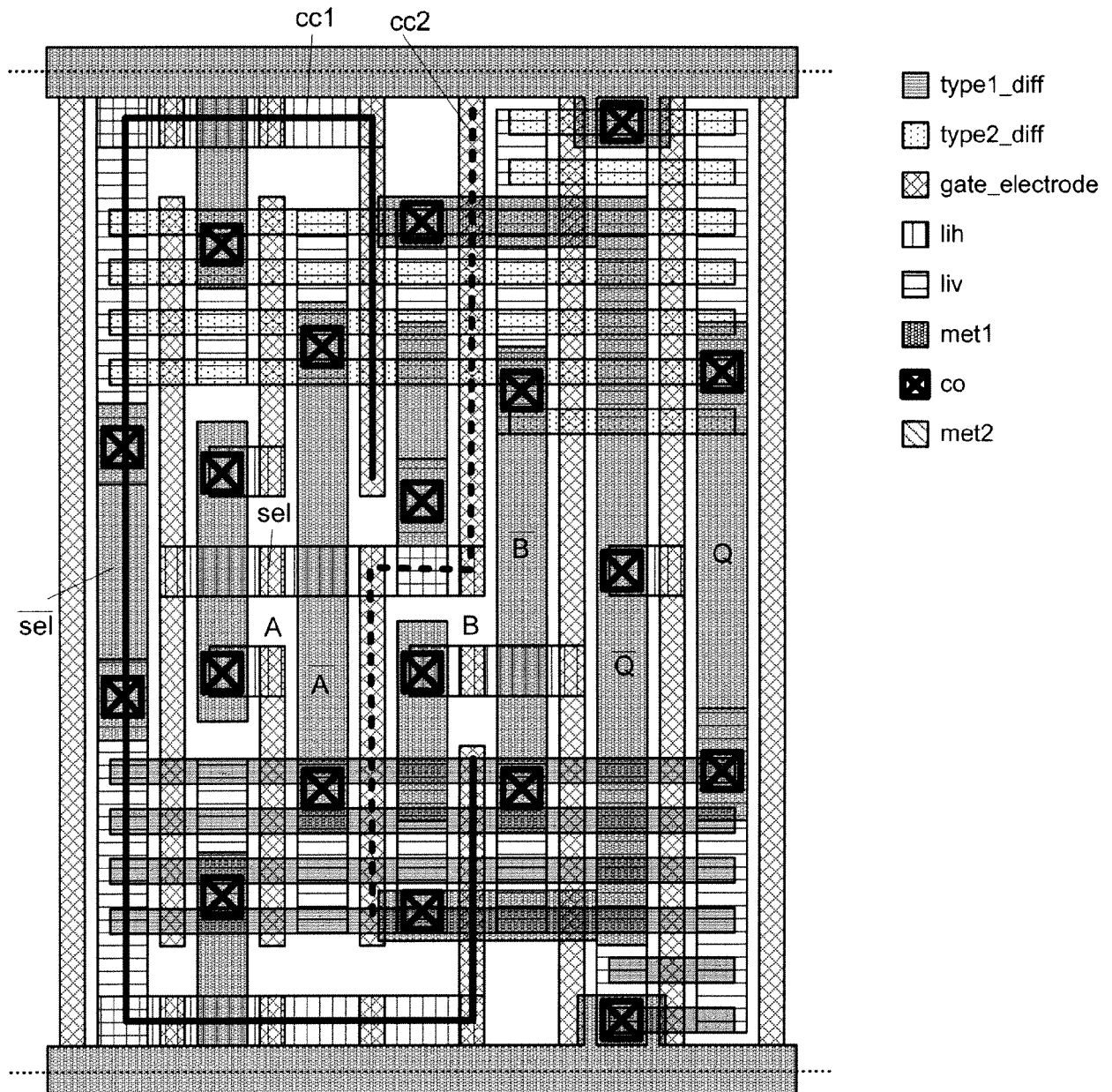


Fig. 63B

135/164

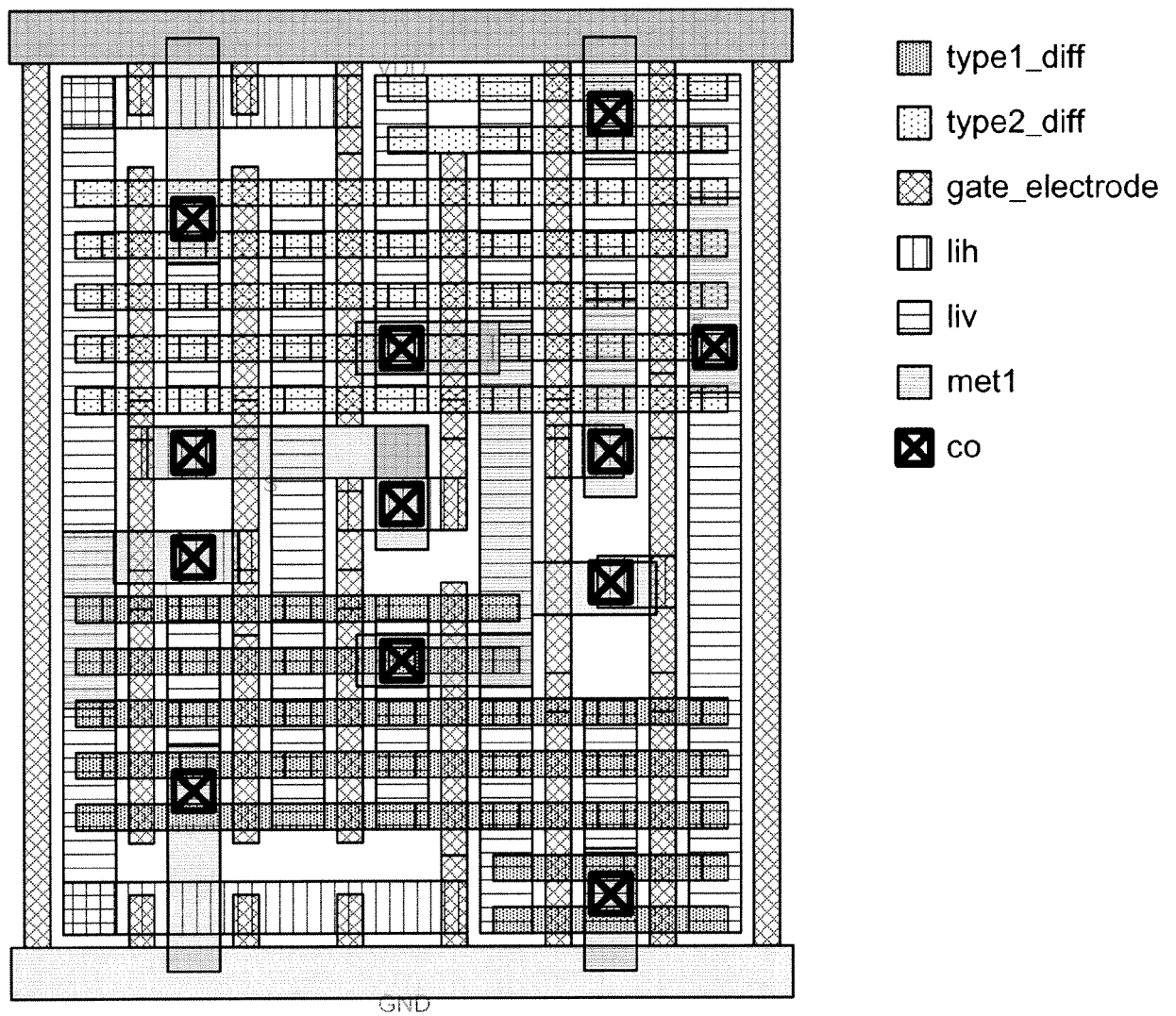


Fig. 64A

136/164

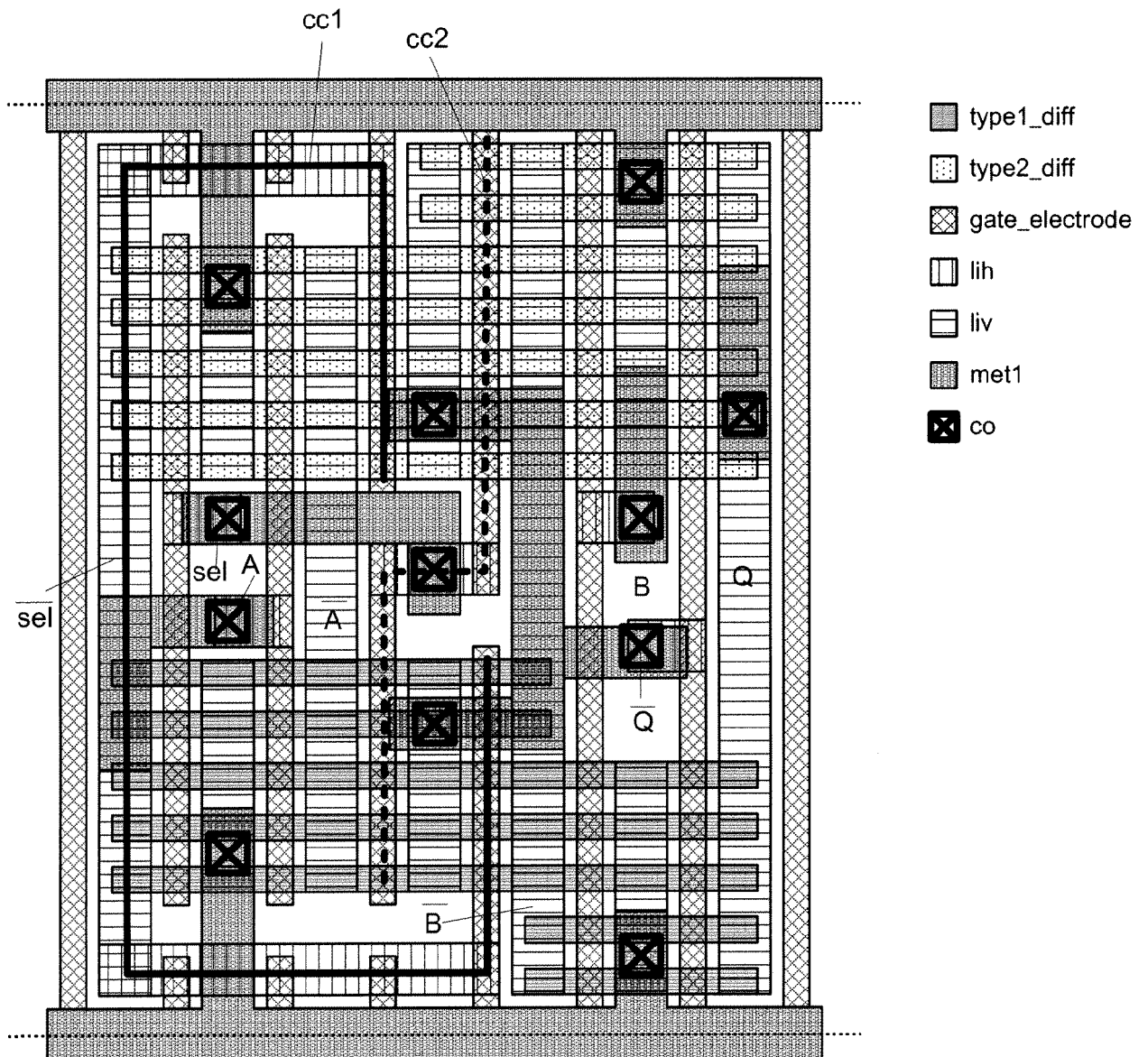


Fig. 64B

137/164

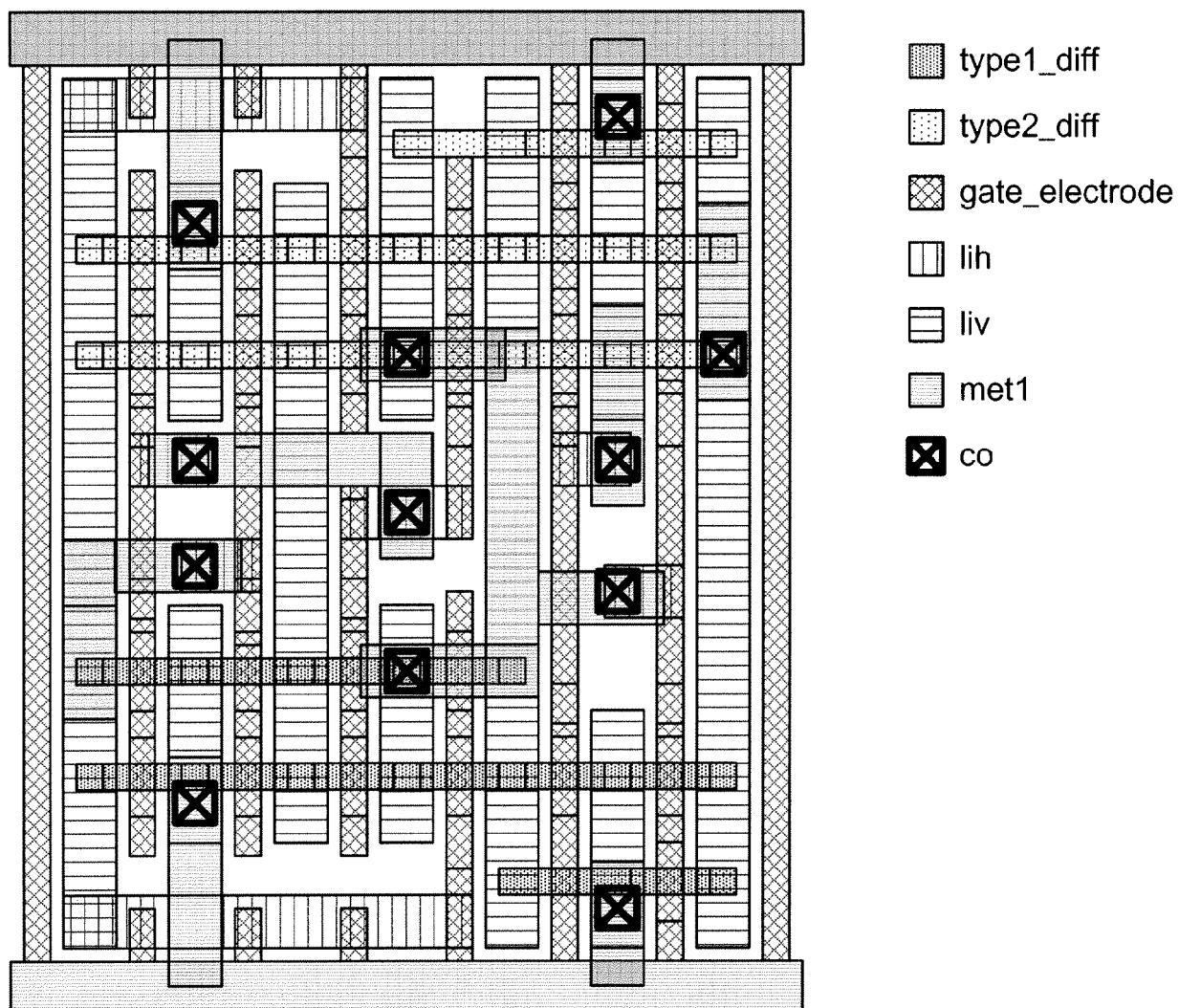


Fig. 65A

138/164

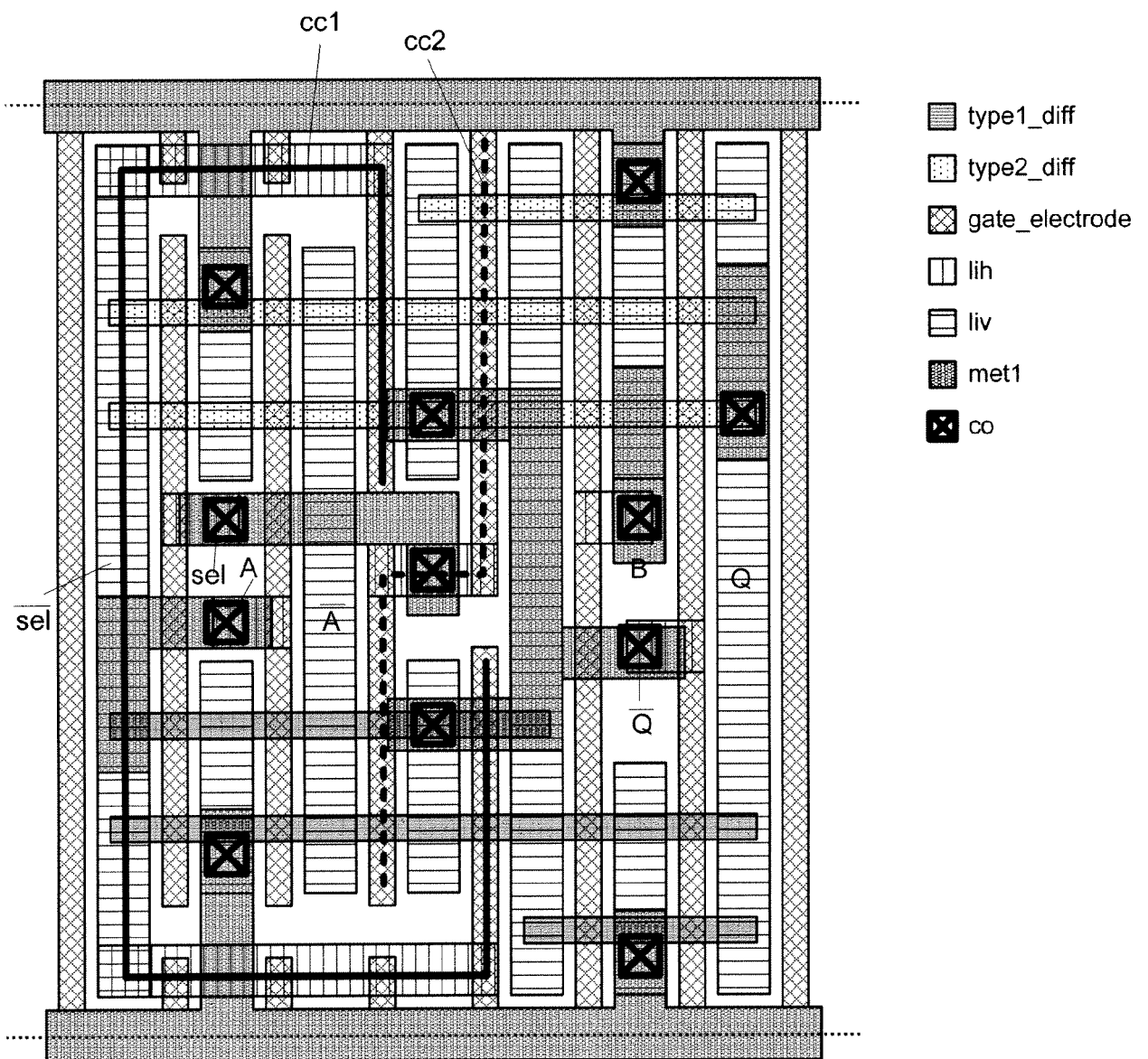


Fig. 65B

139/164

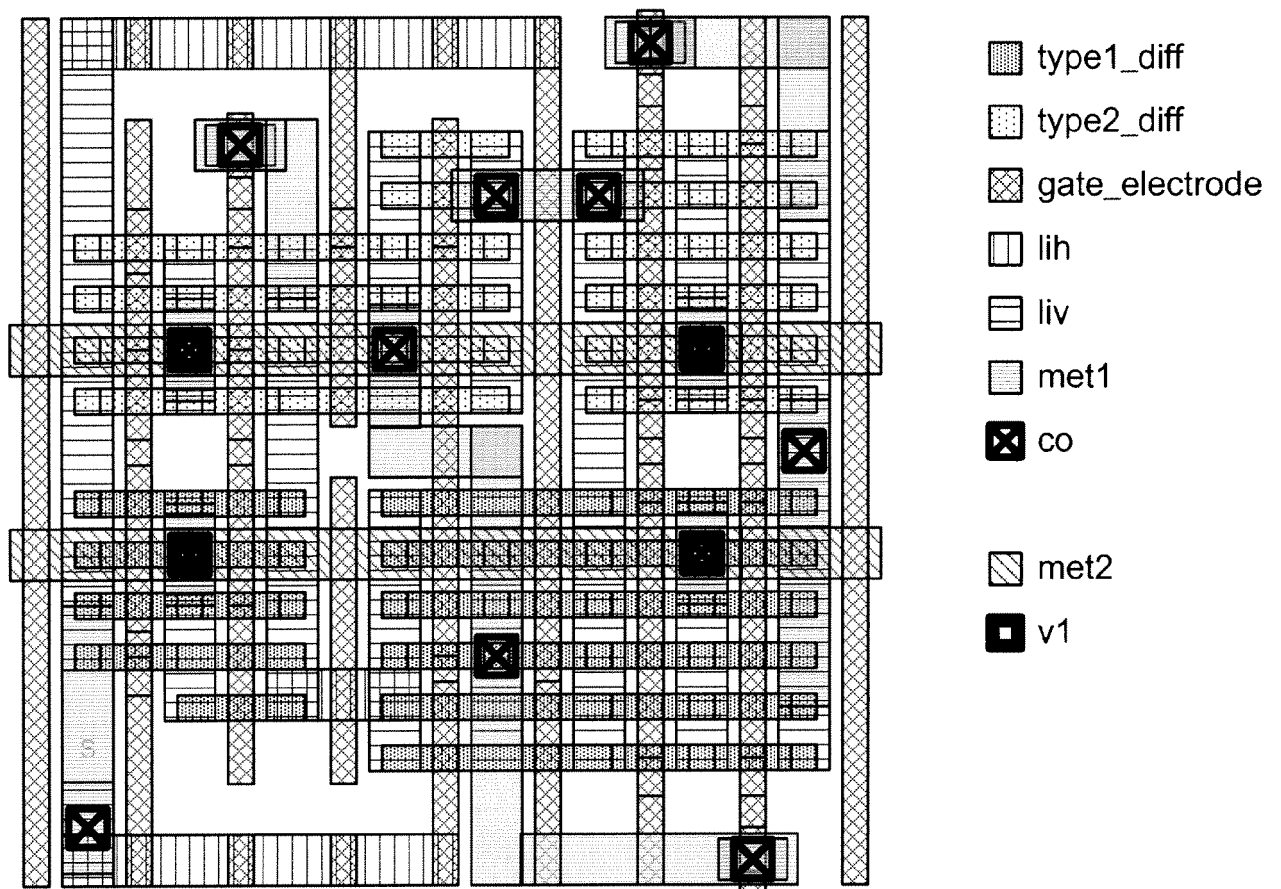


Fig. 66A

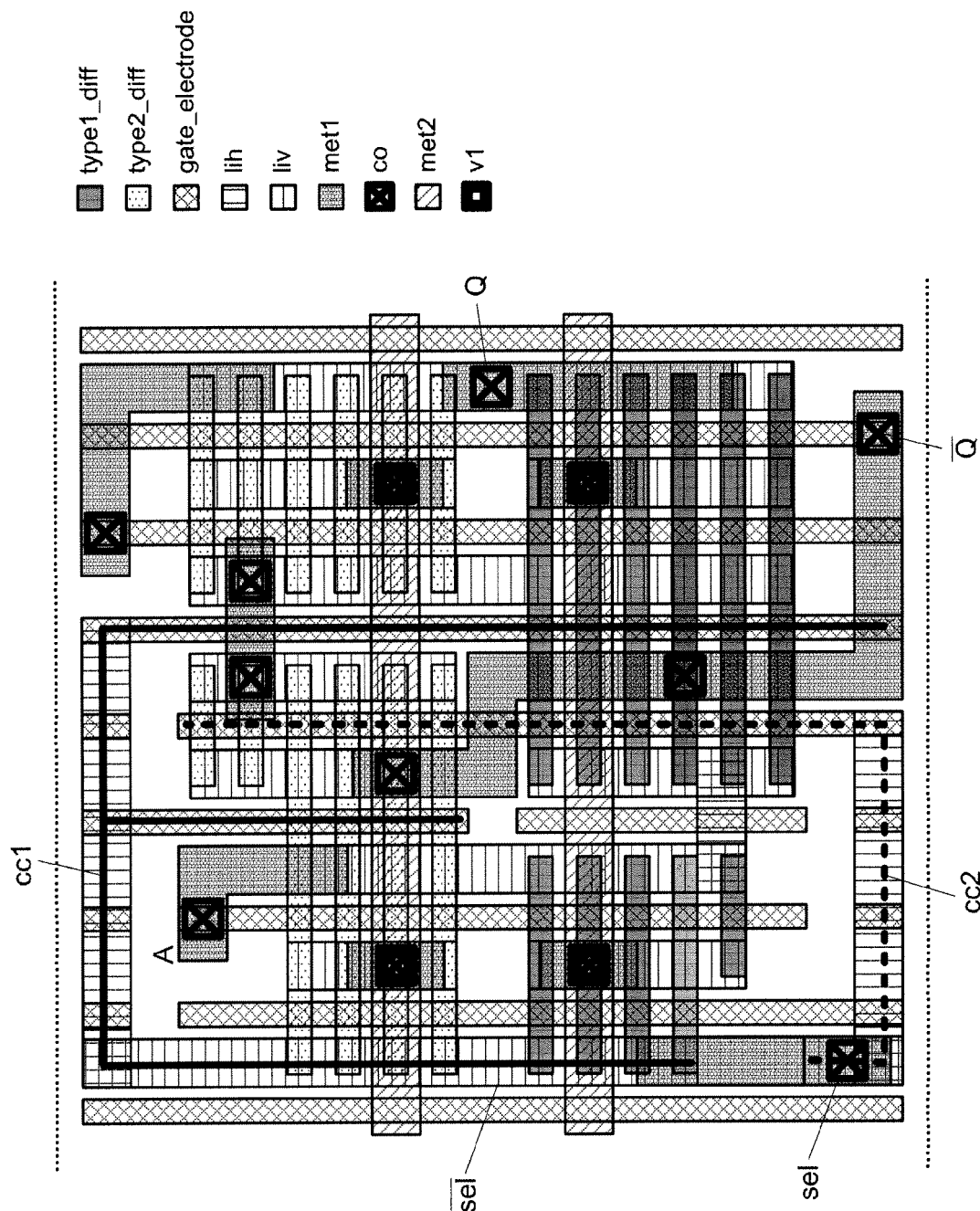


Fig. 66B

141/164

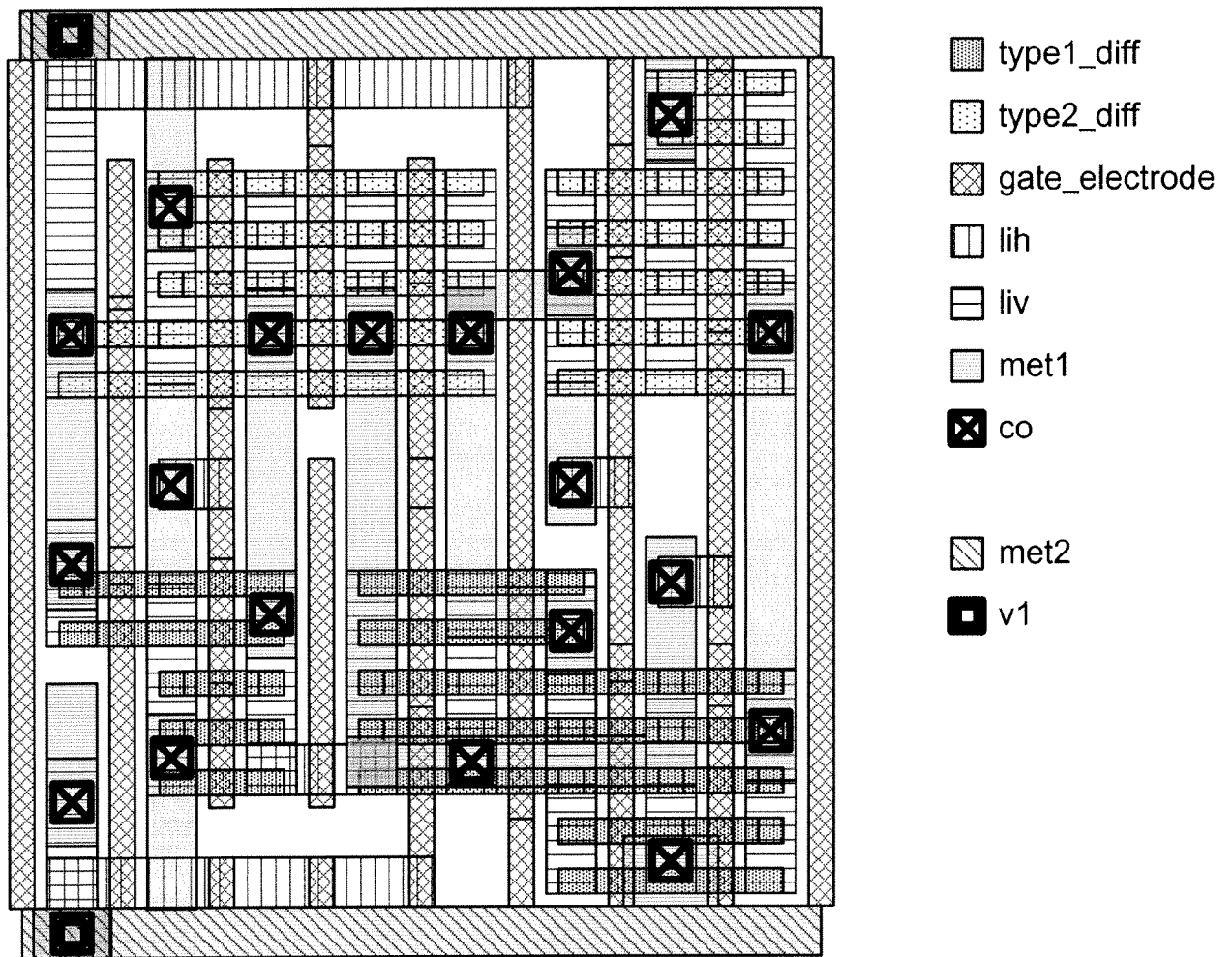


Fig. 67A

142/164

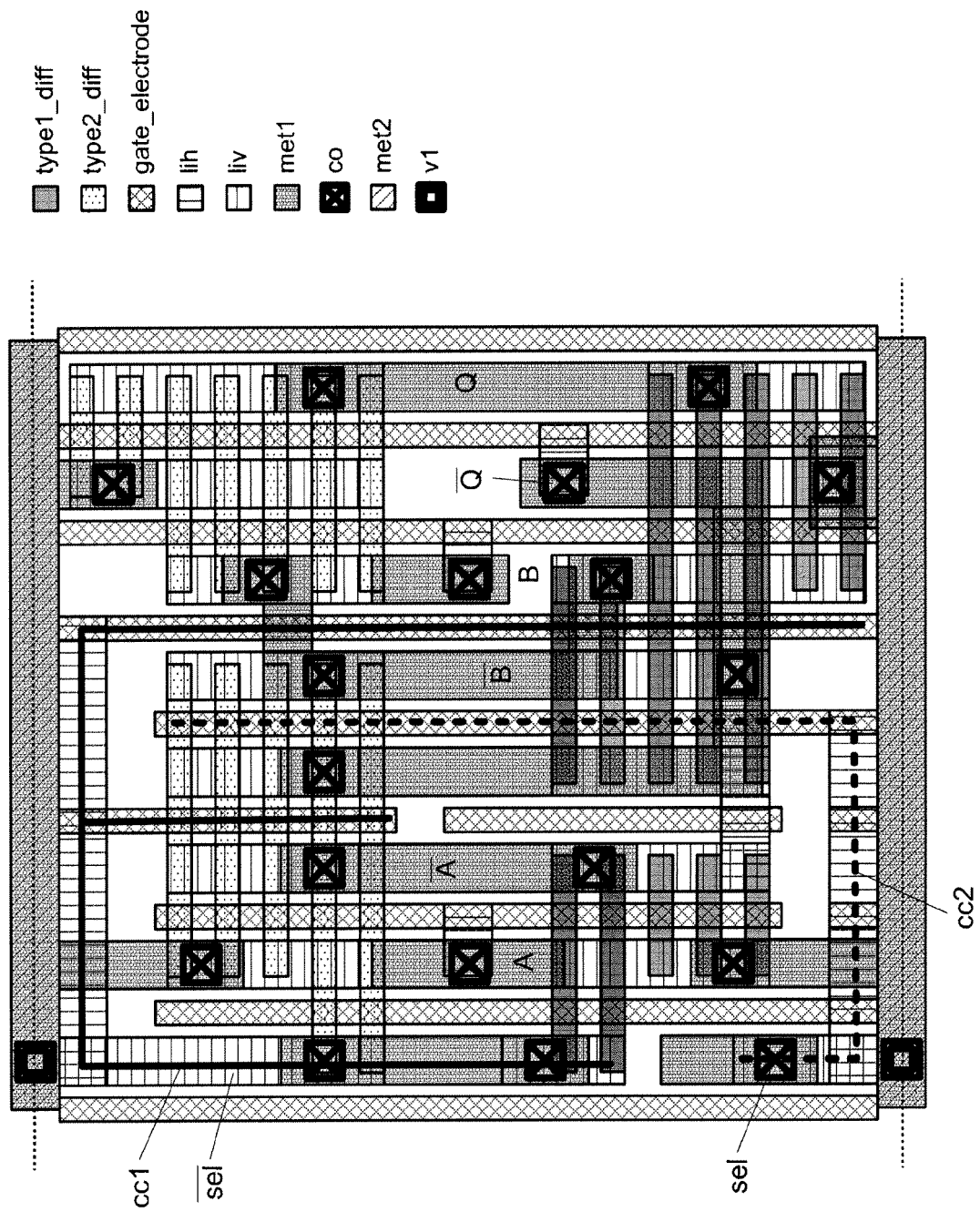


Fig. 67B

143/164

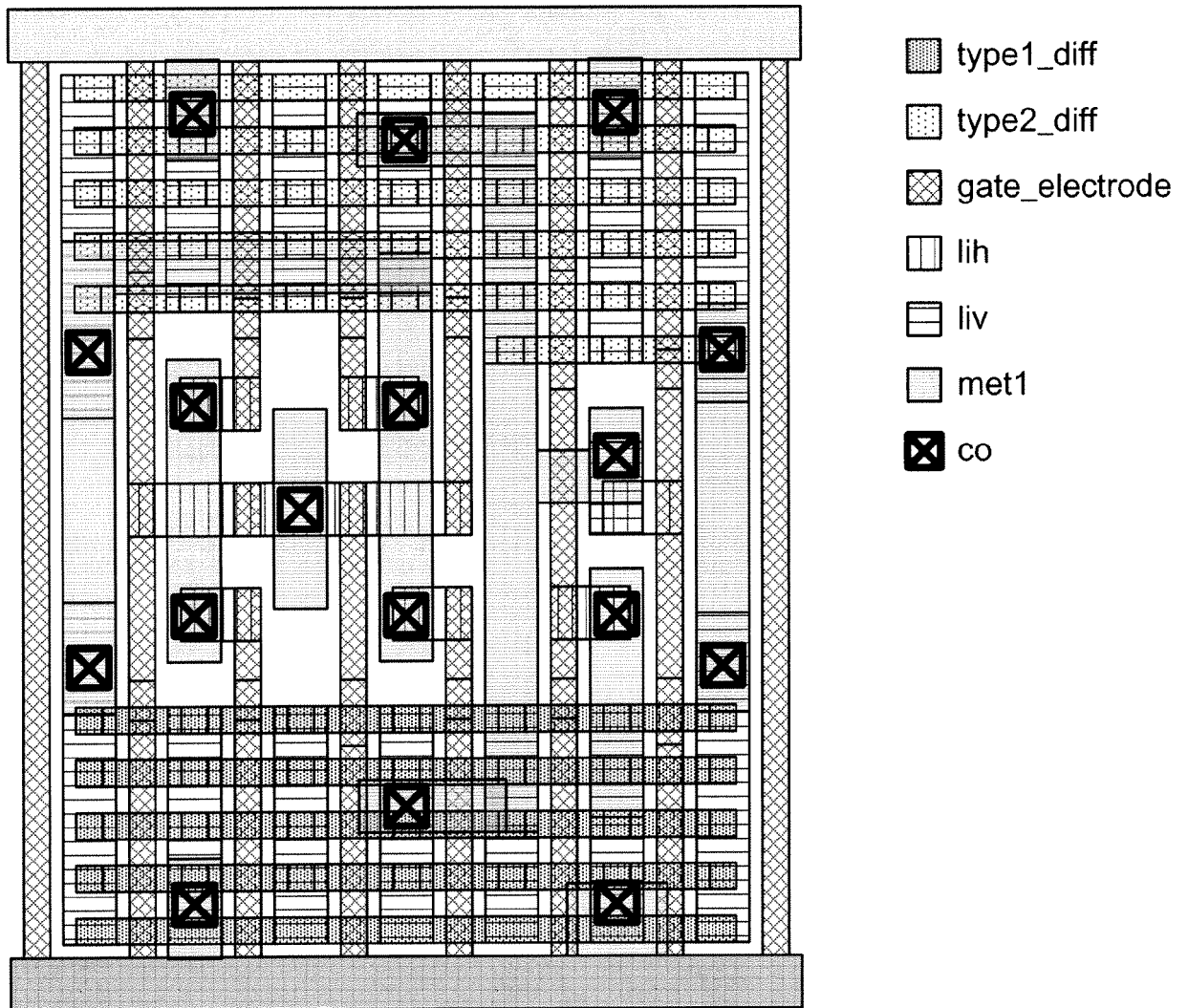


Fig. 68A

144/164

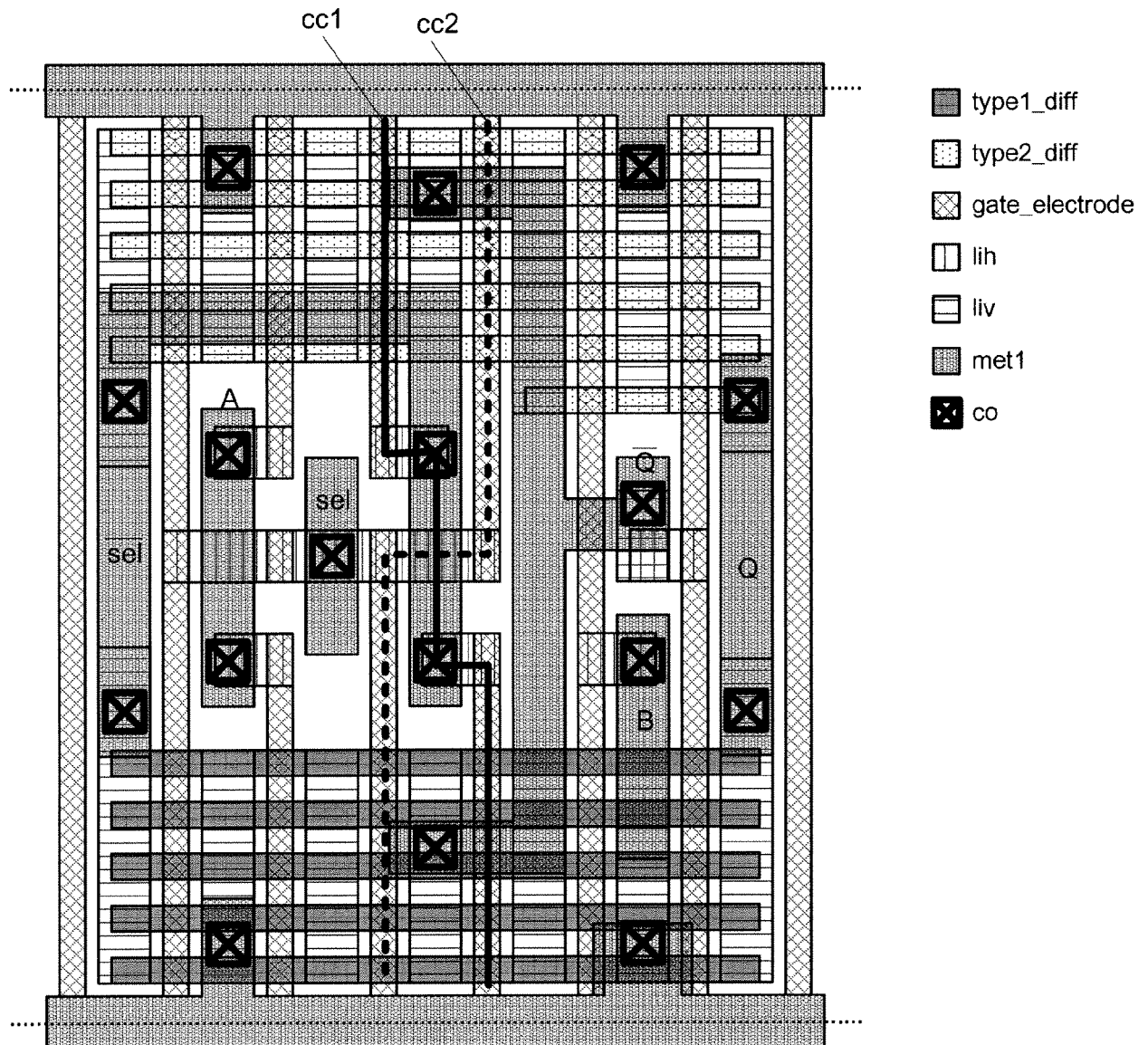


Fig. 68B

145/164

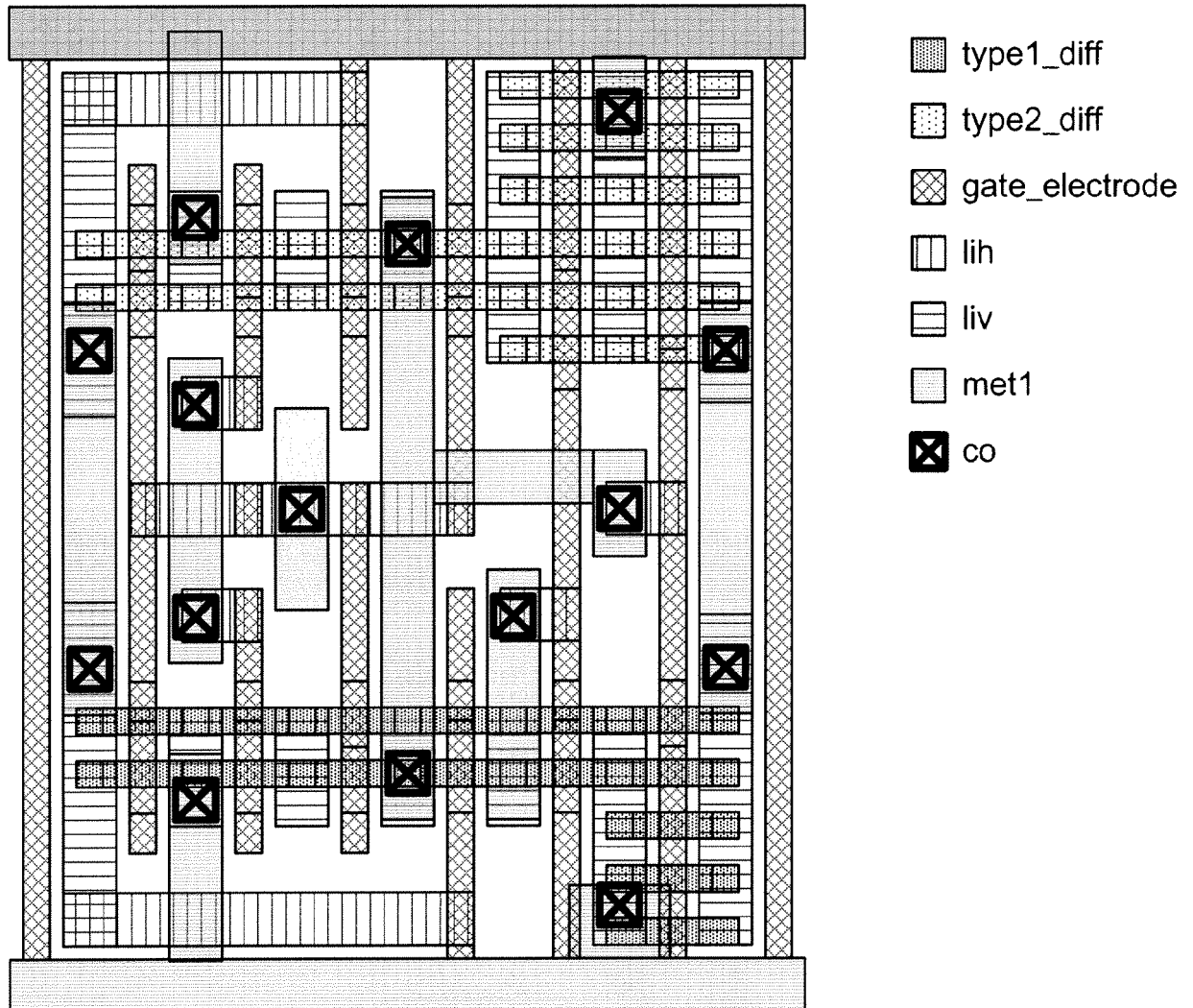


Fig. 69A

146/164

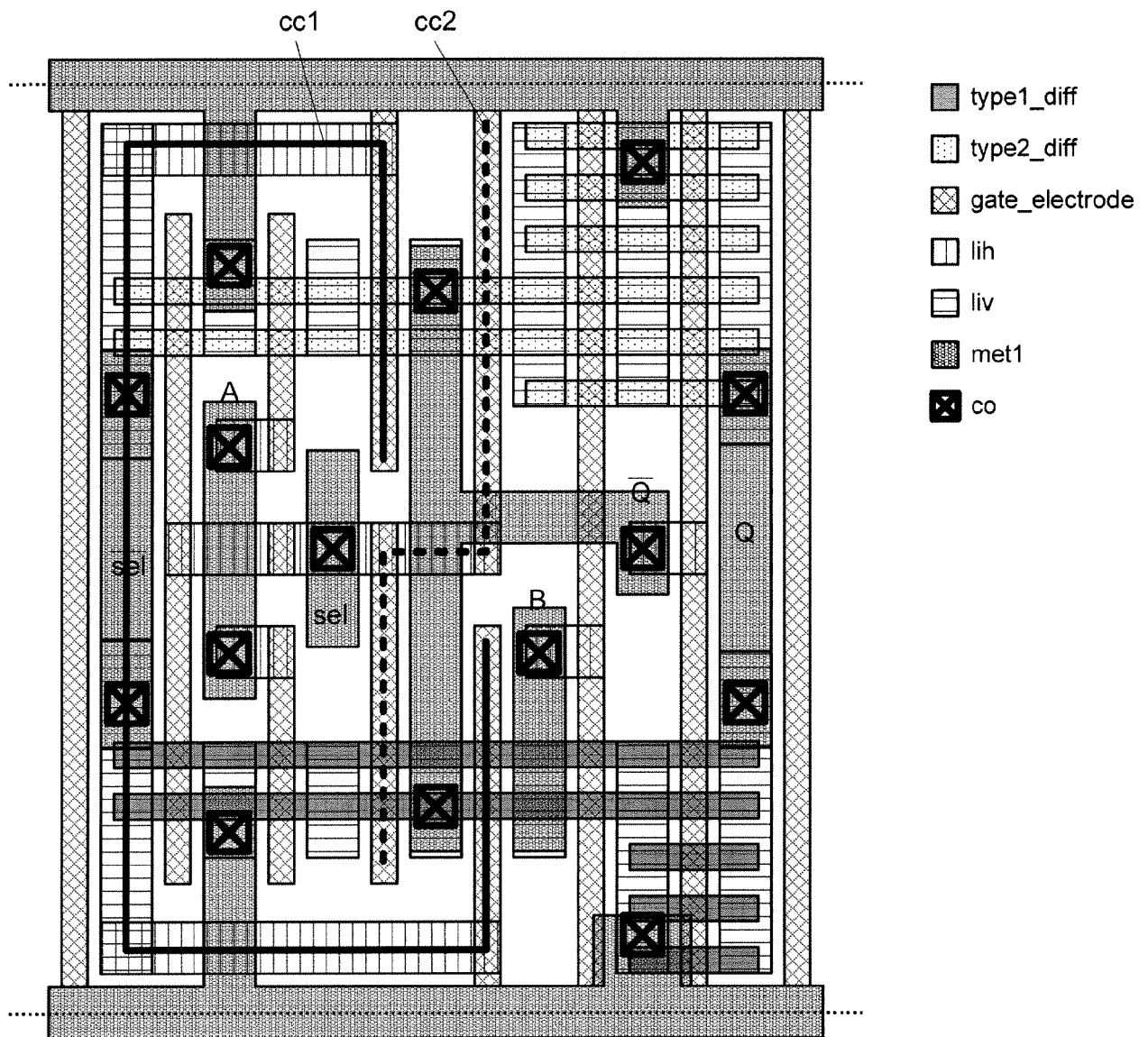


Fig. 69B

147/164

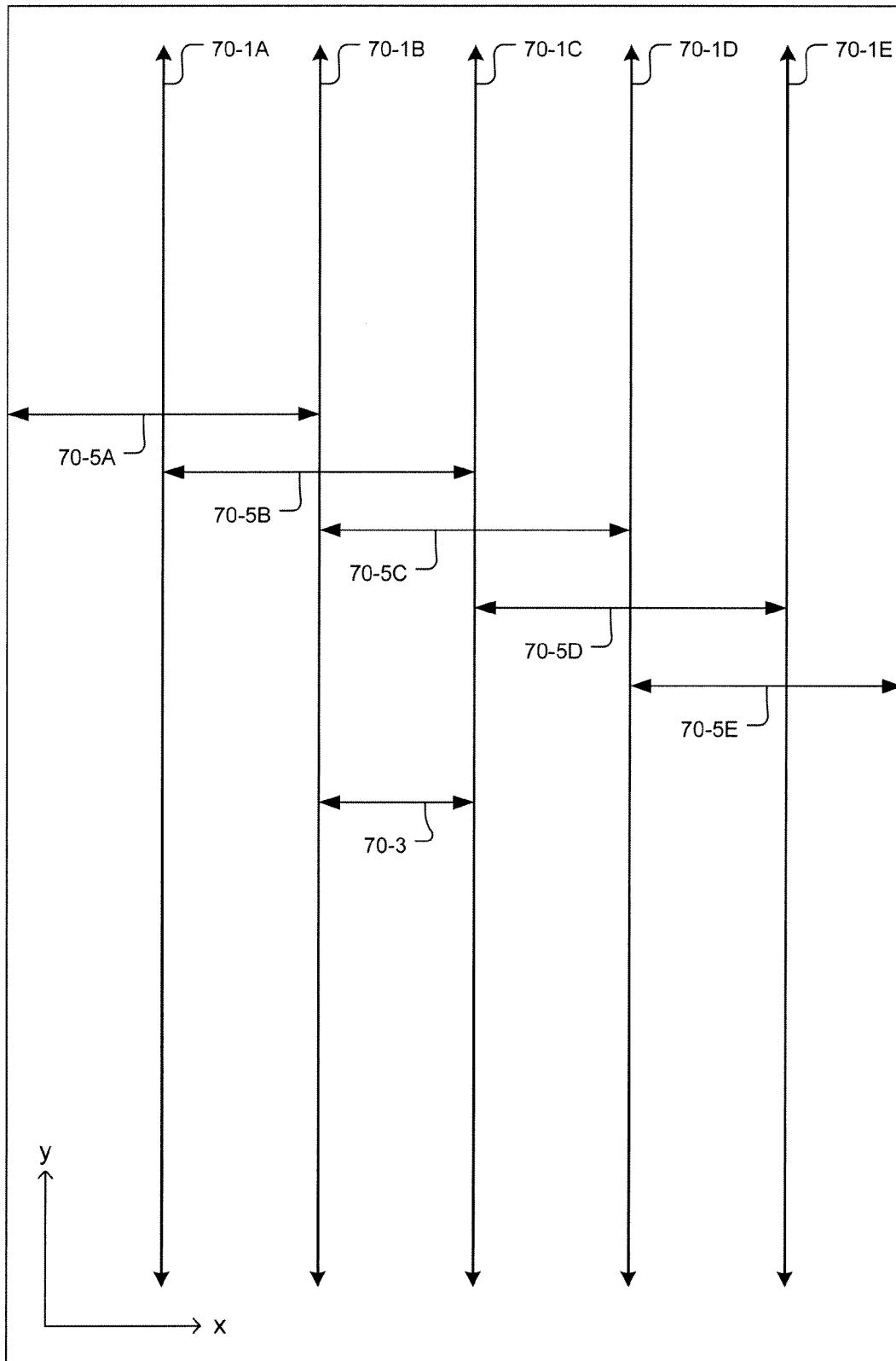


Fig. 70A

148/164

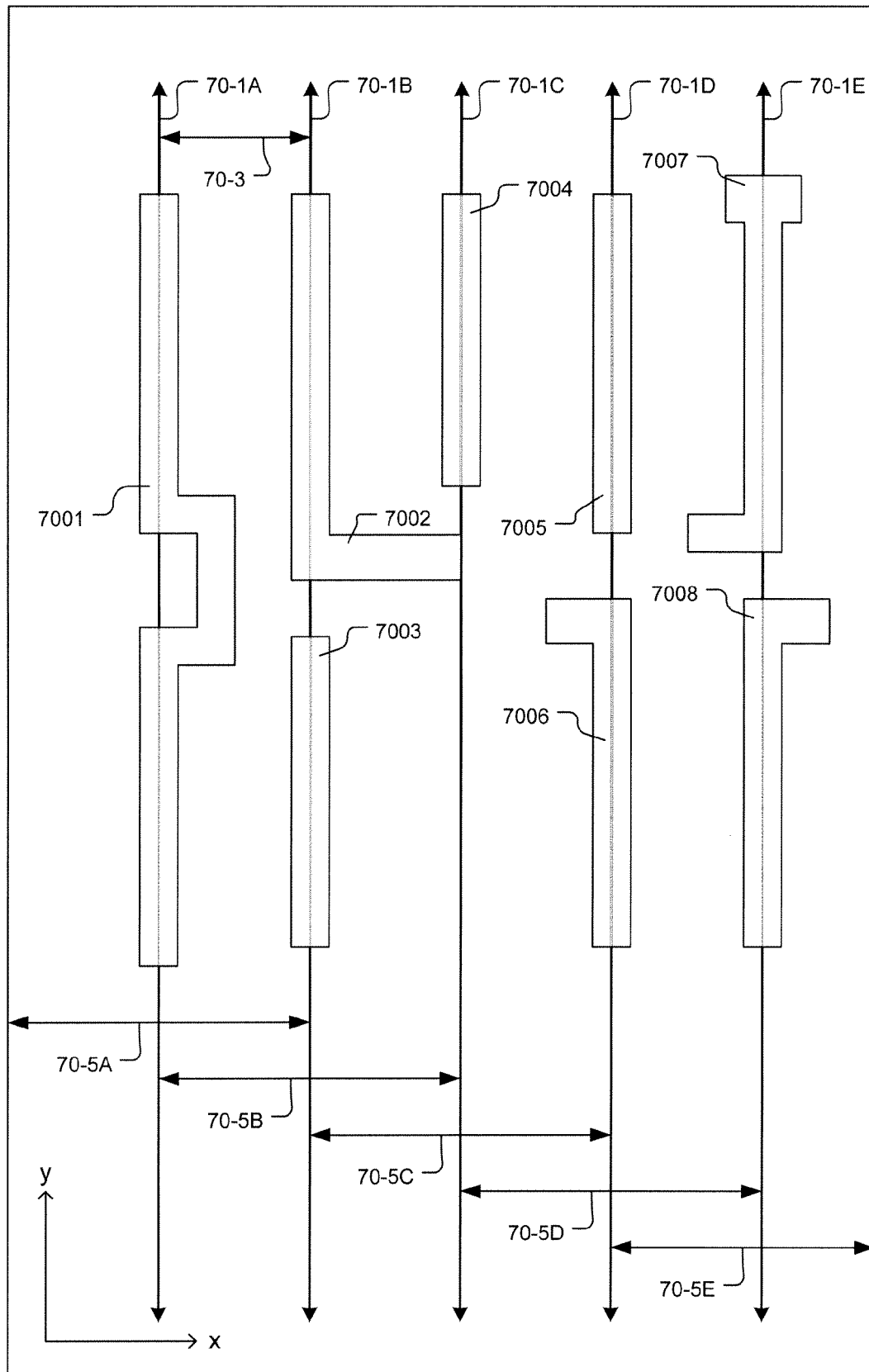


Fig. 70B

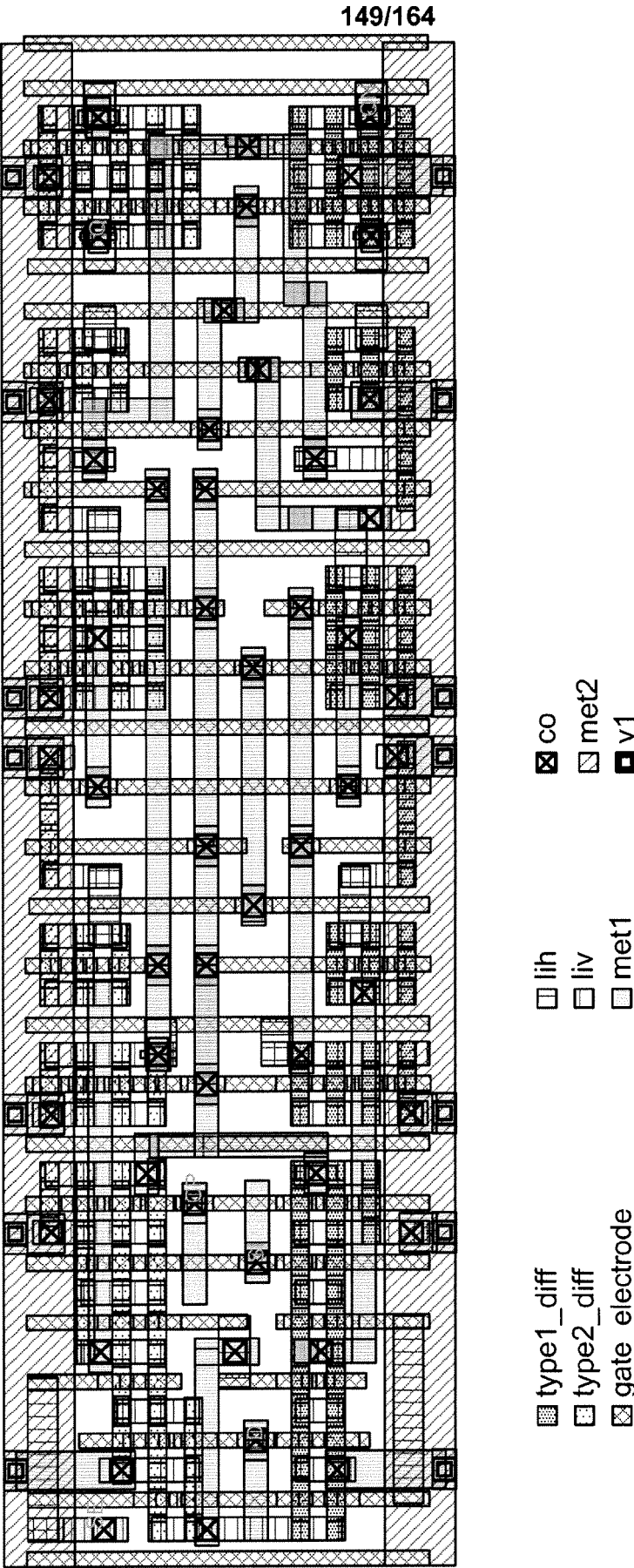


Fig. 71A

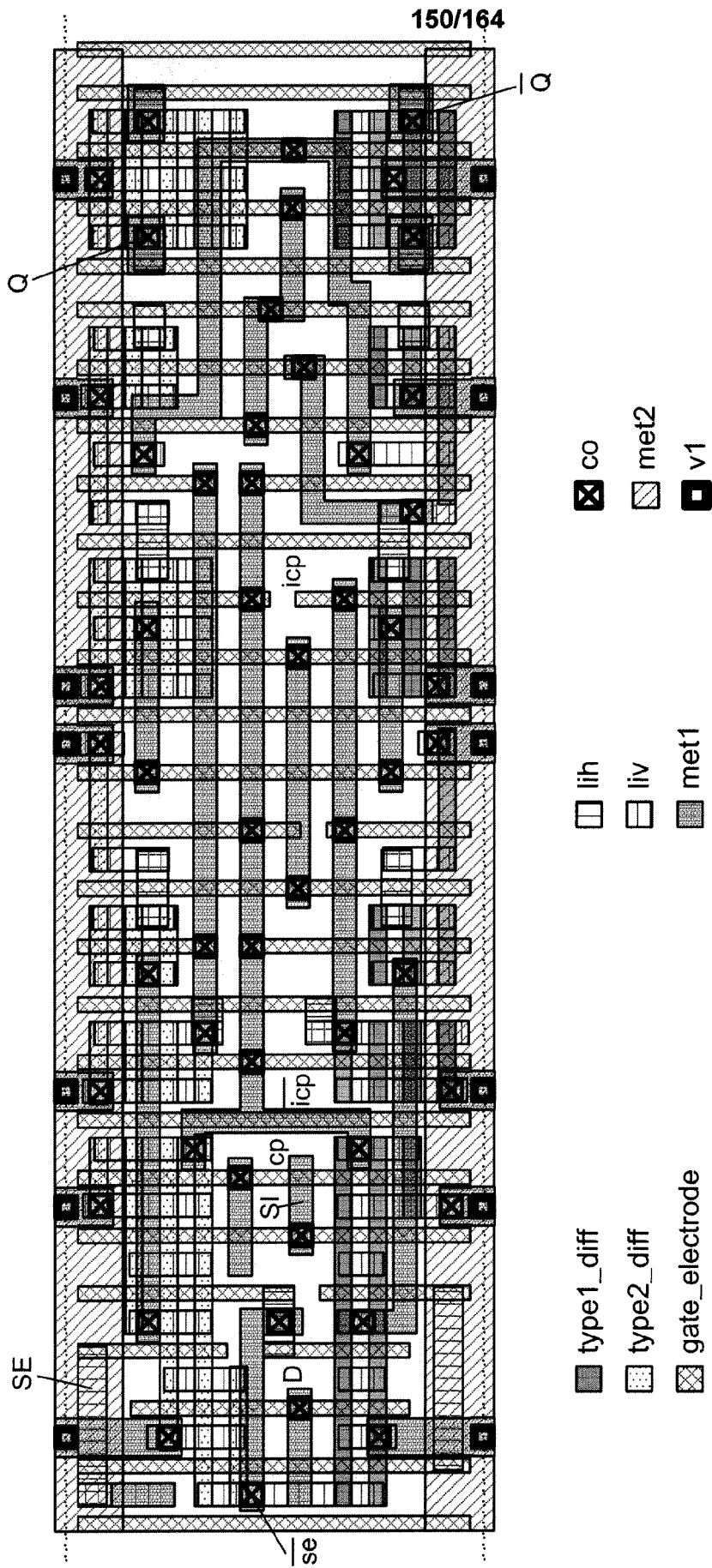


Fig. 71B

151/164

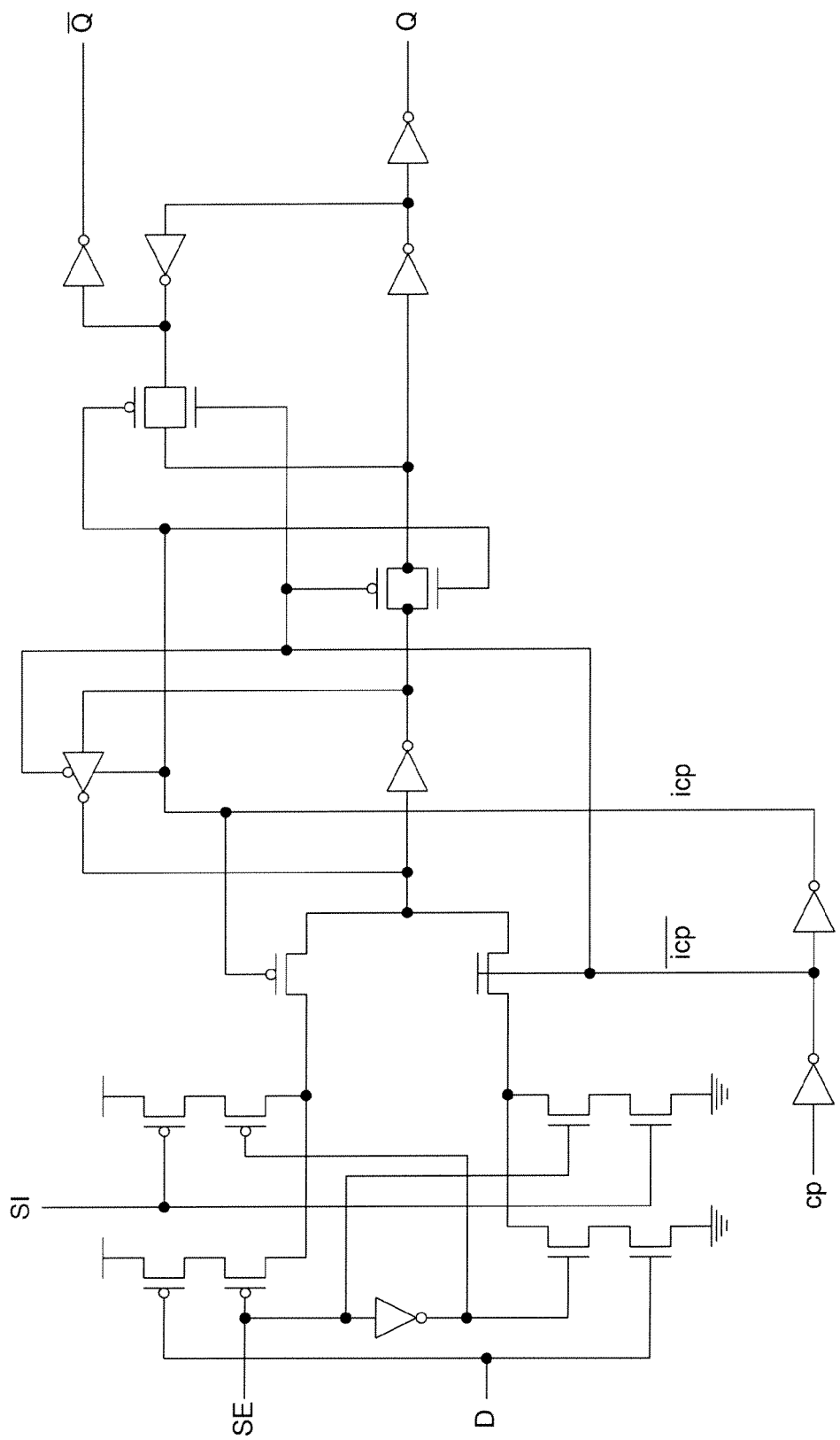


Fig. 71C

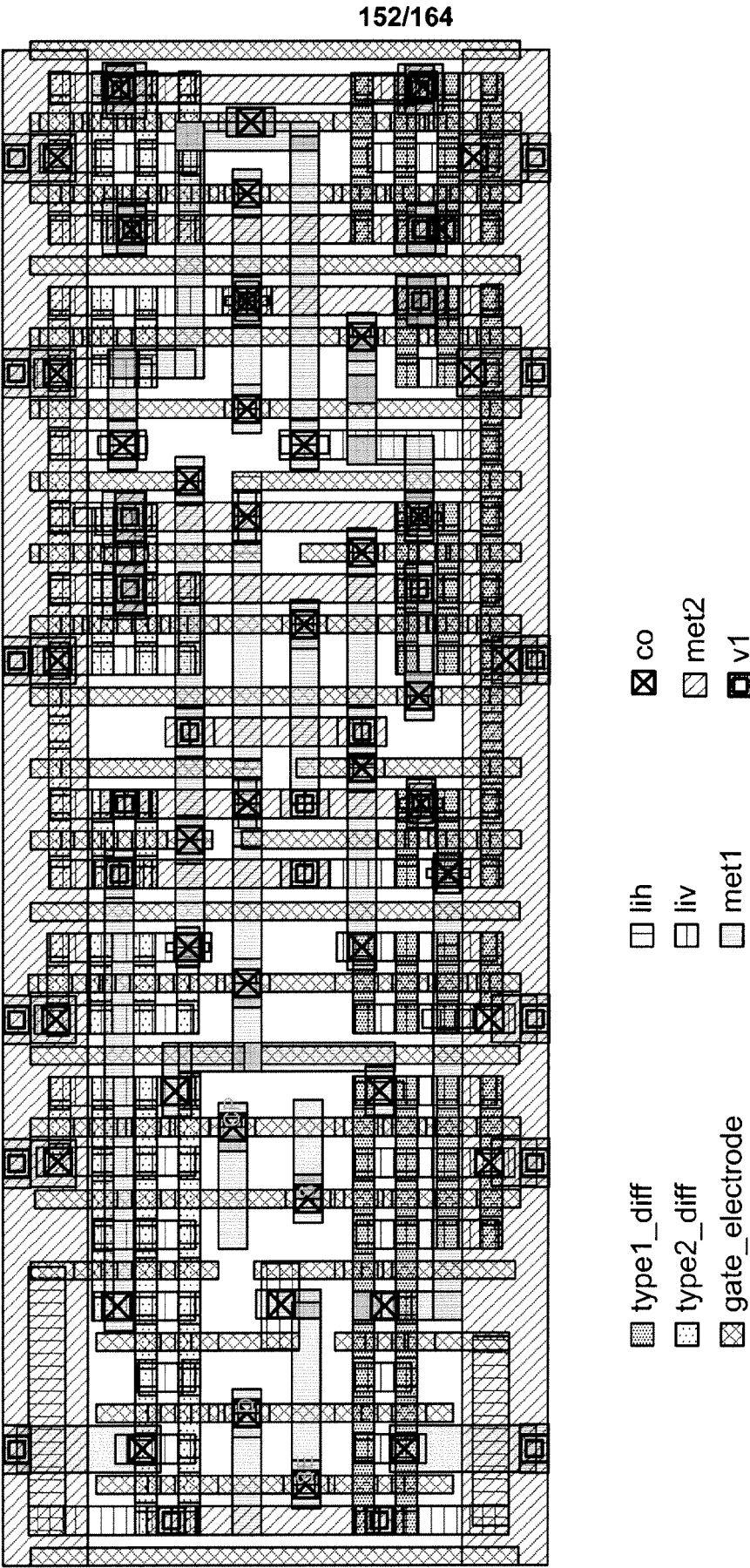


Fig. 72A

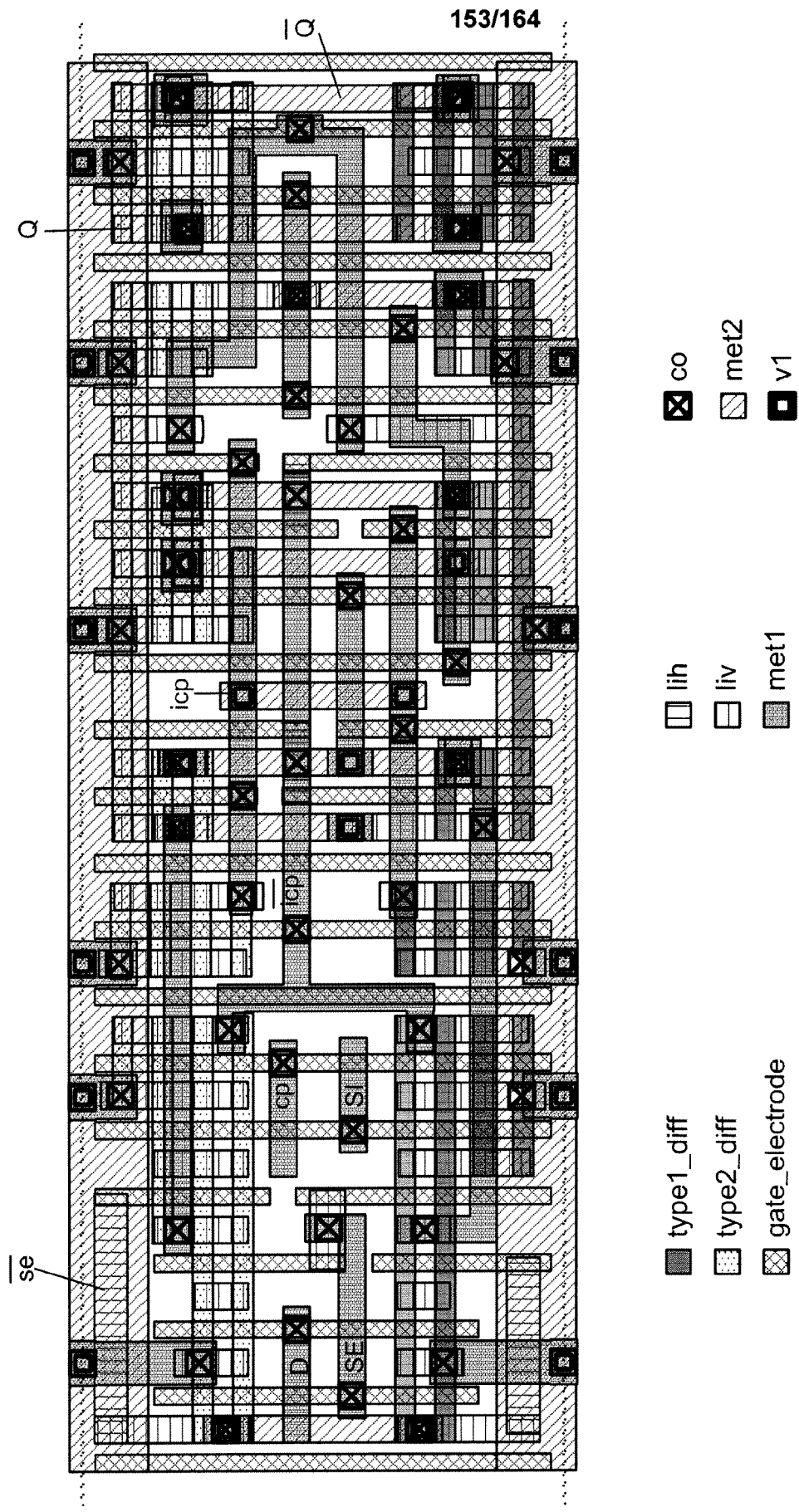


Fig. 72B

154/164

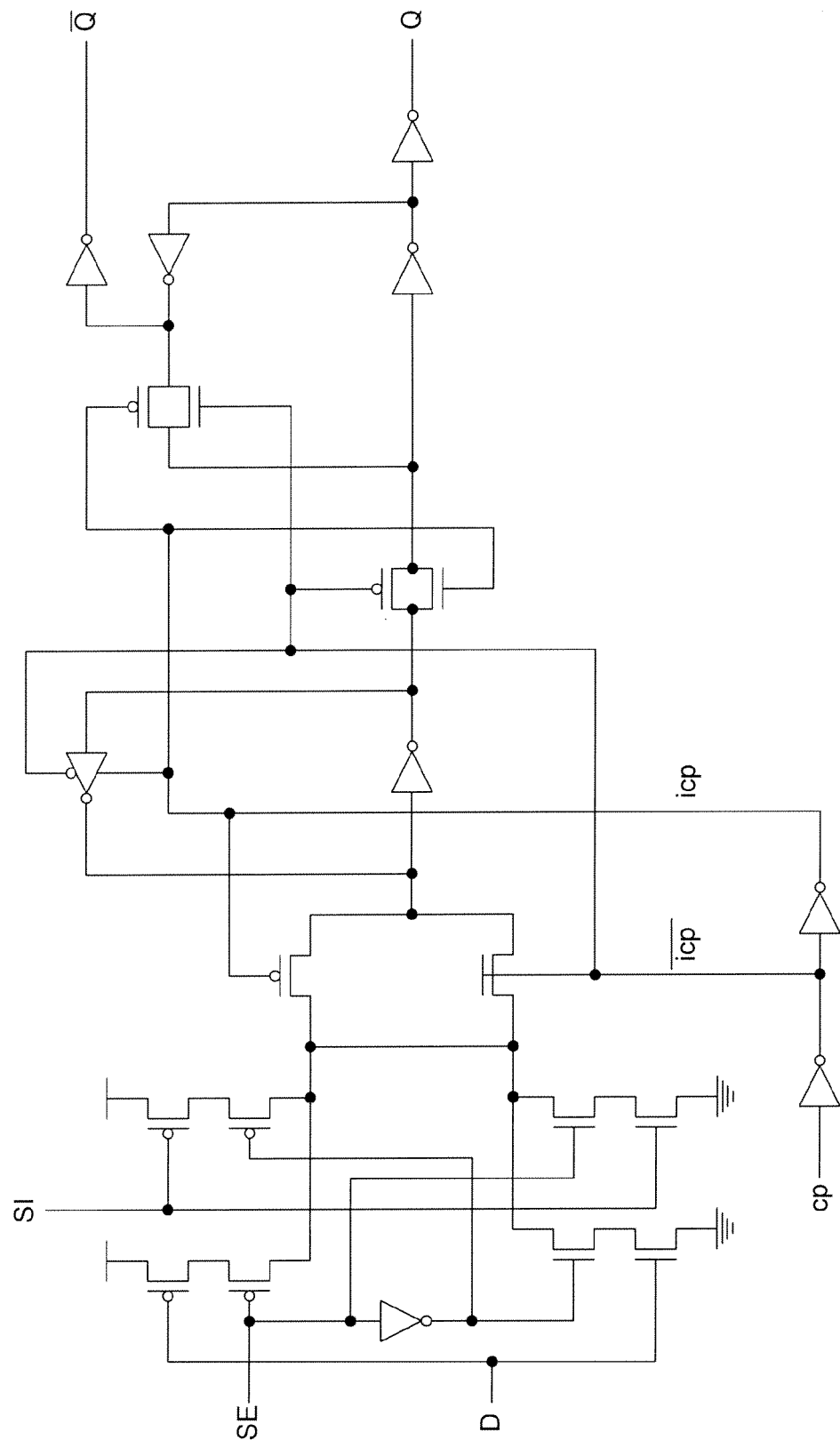
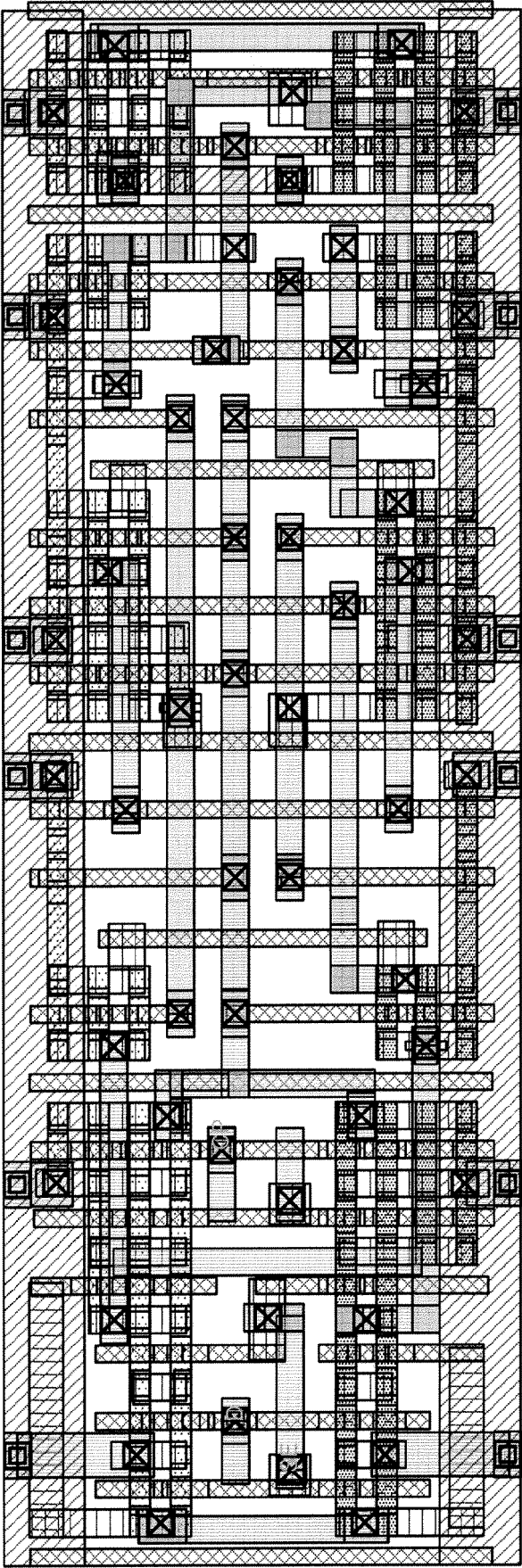


Fig. 72C

155/164



- type1_diff
- type2_diff
- gate_electrode
- lih
- liv
- met1
- co
- met2
- v1

Fig. 73A

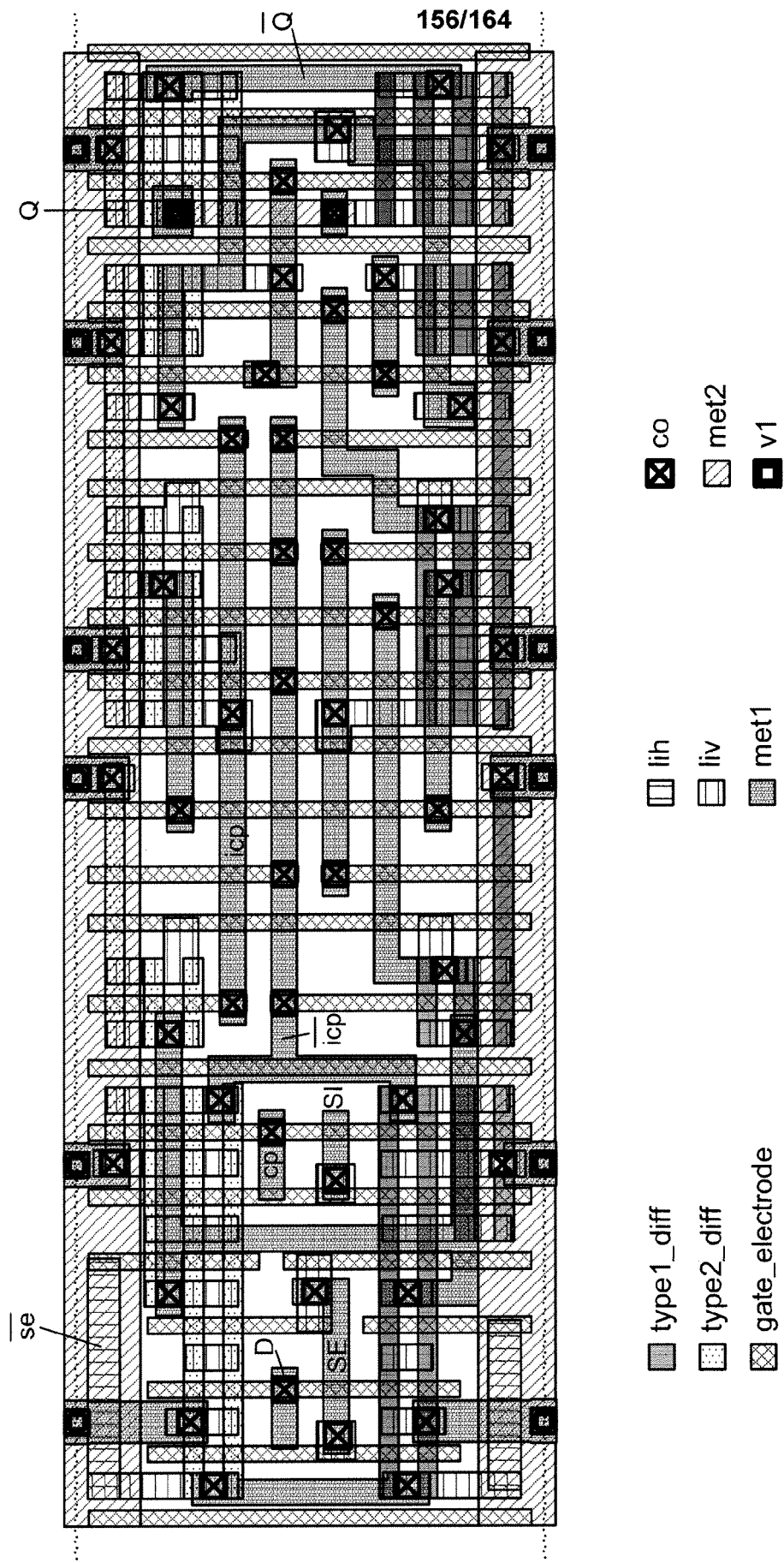
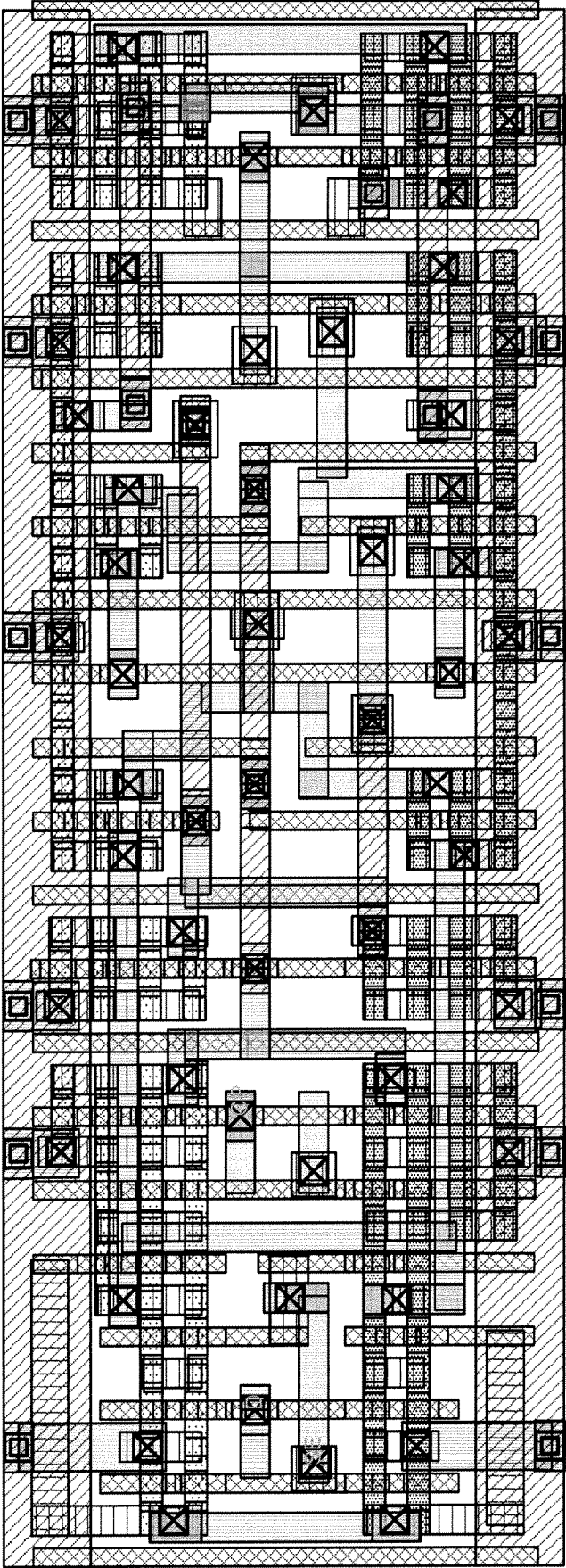


Fig. 73B

157/164



type1_diff
type2_diff
gate_electrode

lih
liv
met1

co
met2
v1

Fig. 74A

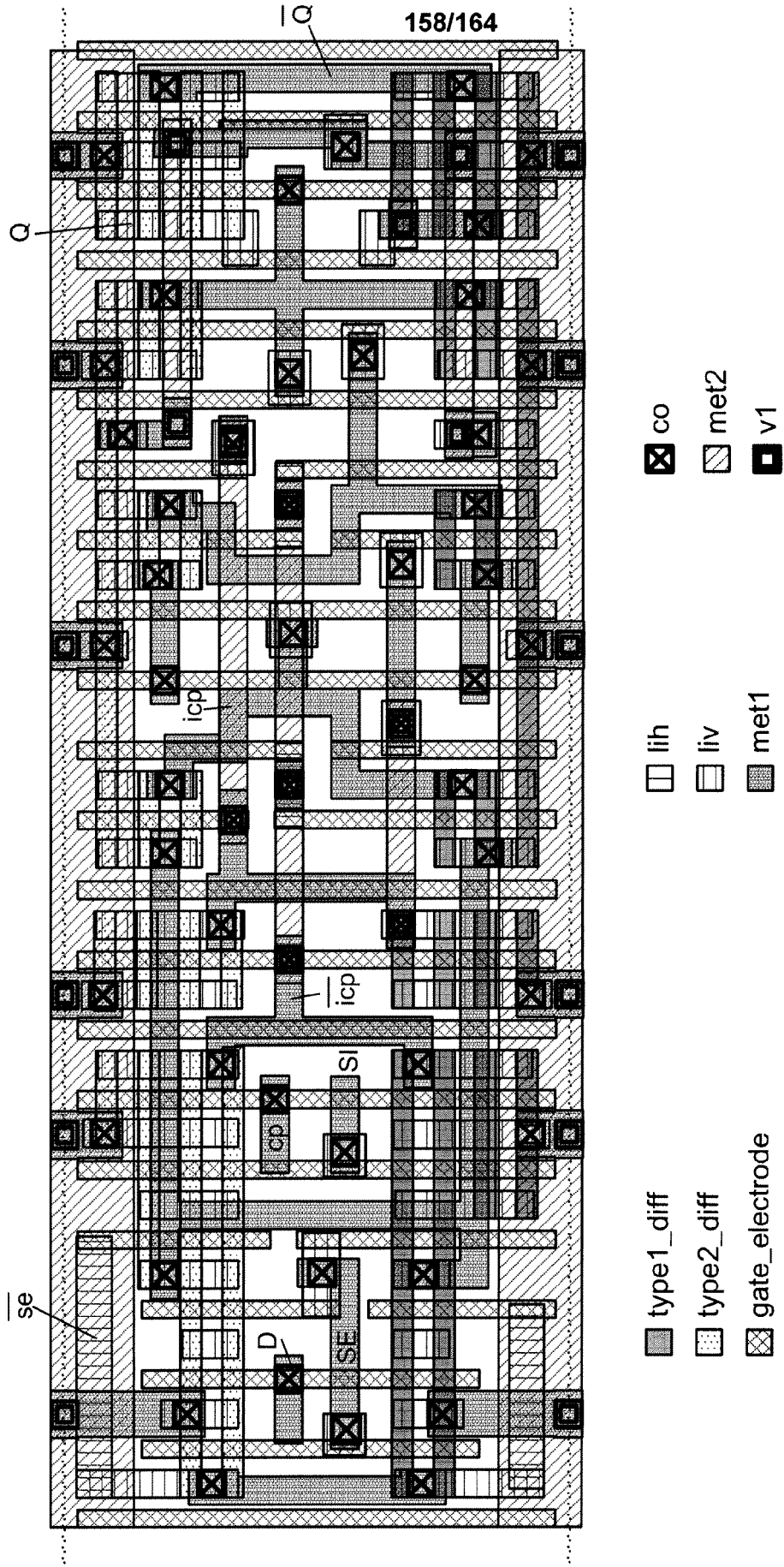


Fig. 74B

159/164

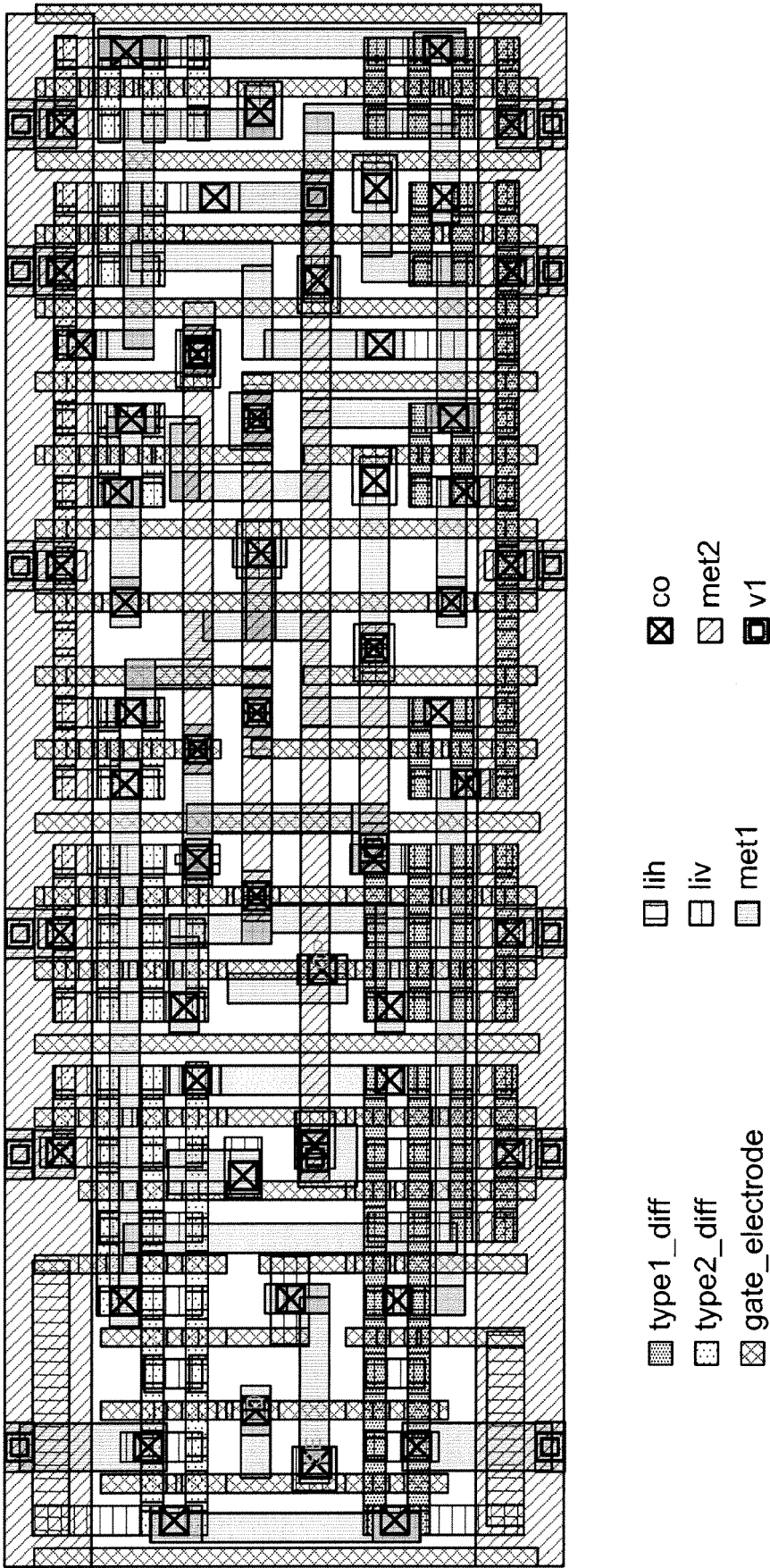


Fig. 75A

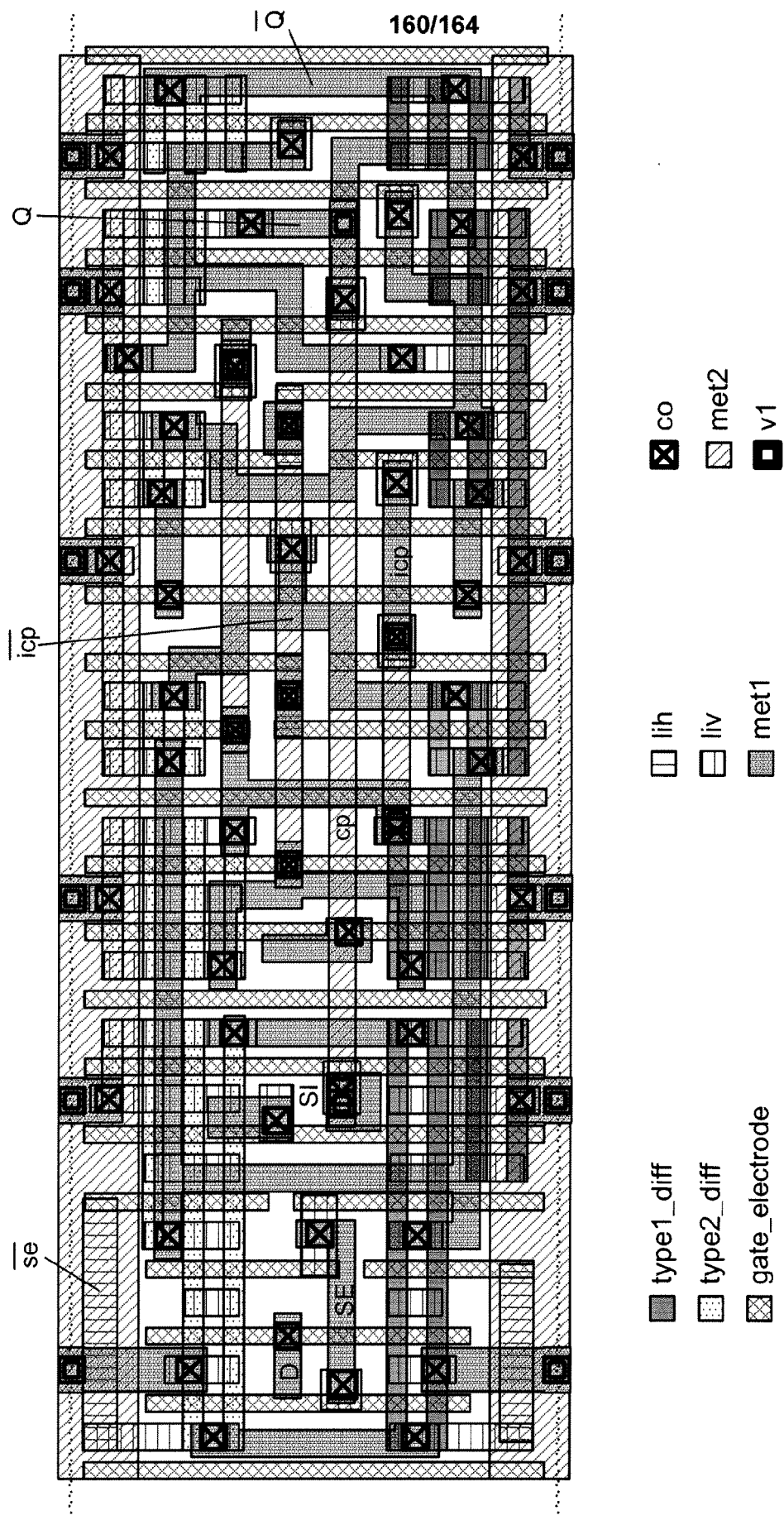
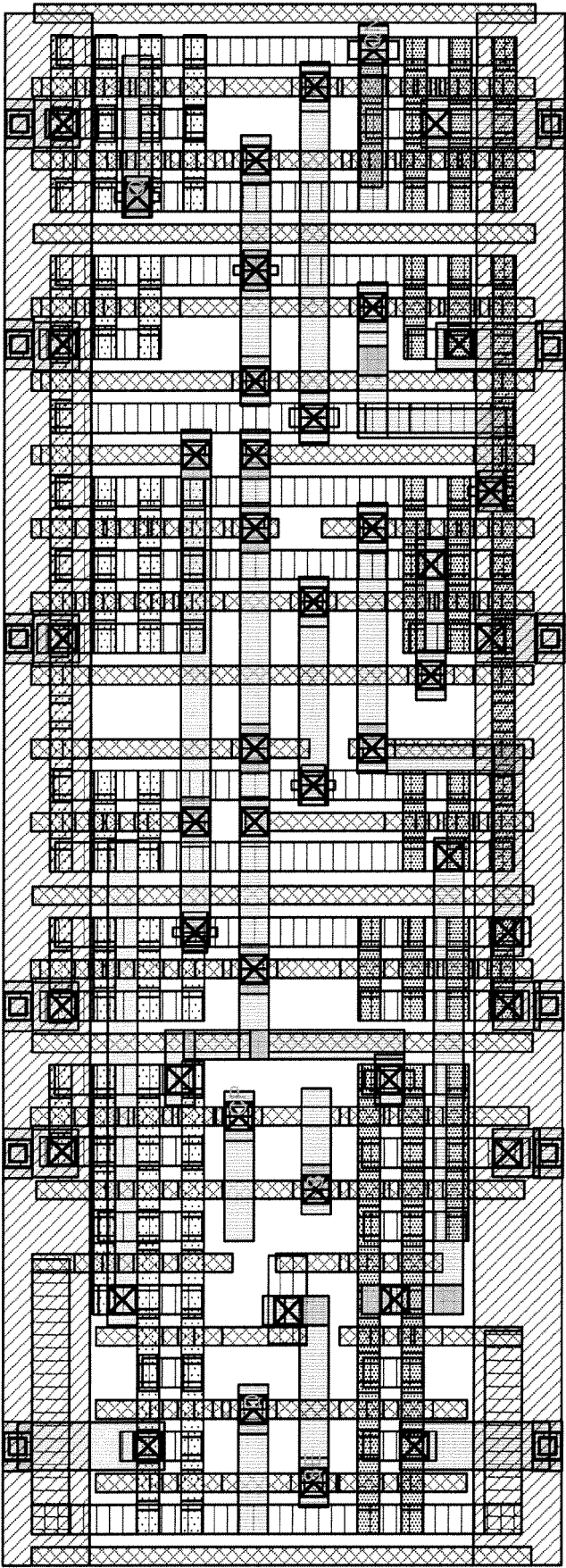


Fig. 75B

161/164



- | | |
|--|--|
|  type1_diff |  co |
|  type2_diff |  met2 |
|  gate_electrode |  v1 |
|  lih |  liv |
|  met1 | |

Fig. 76A

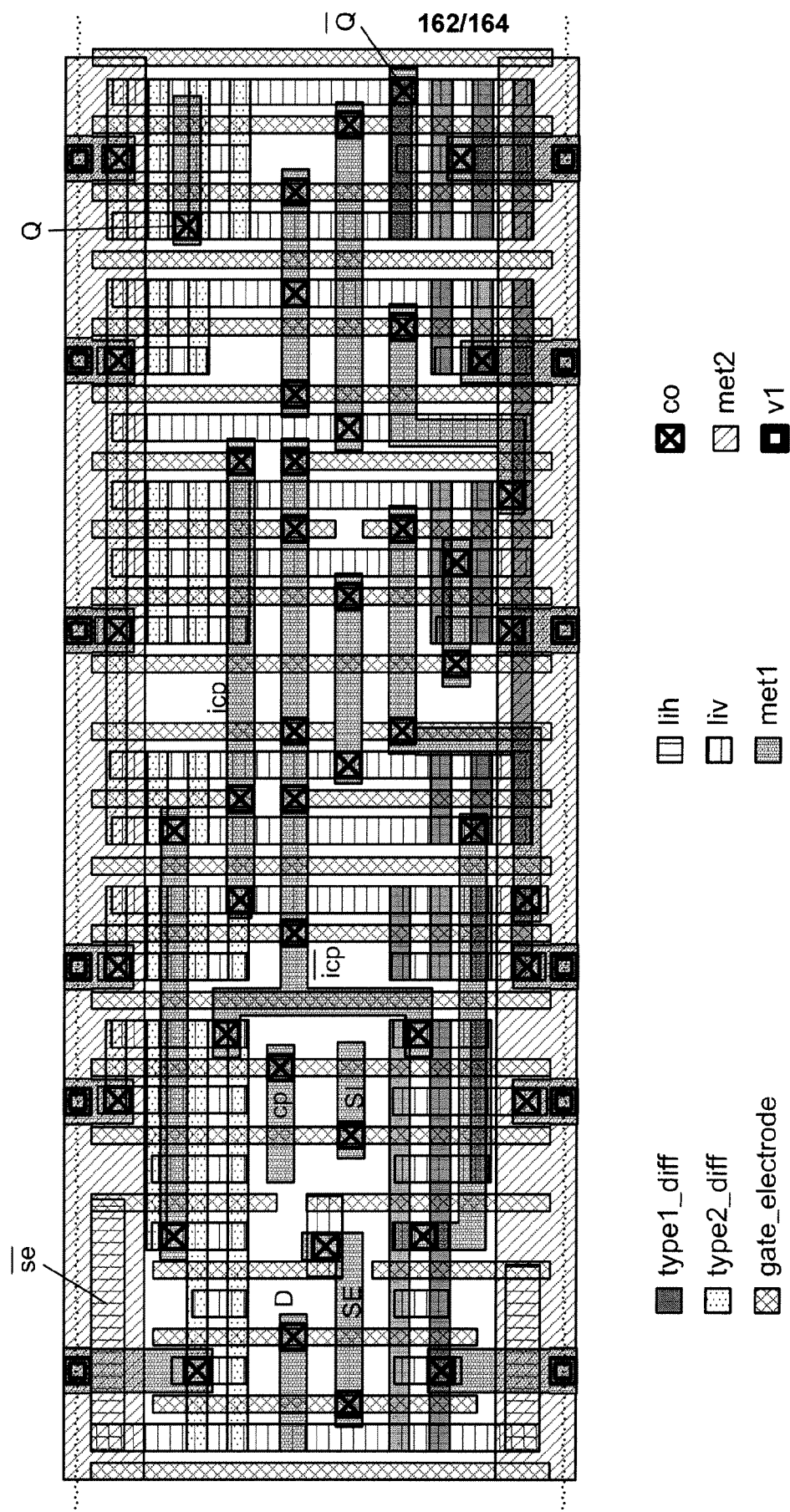


Fig. 76B

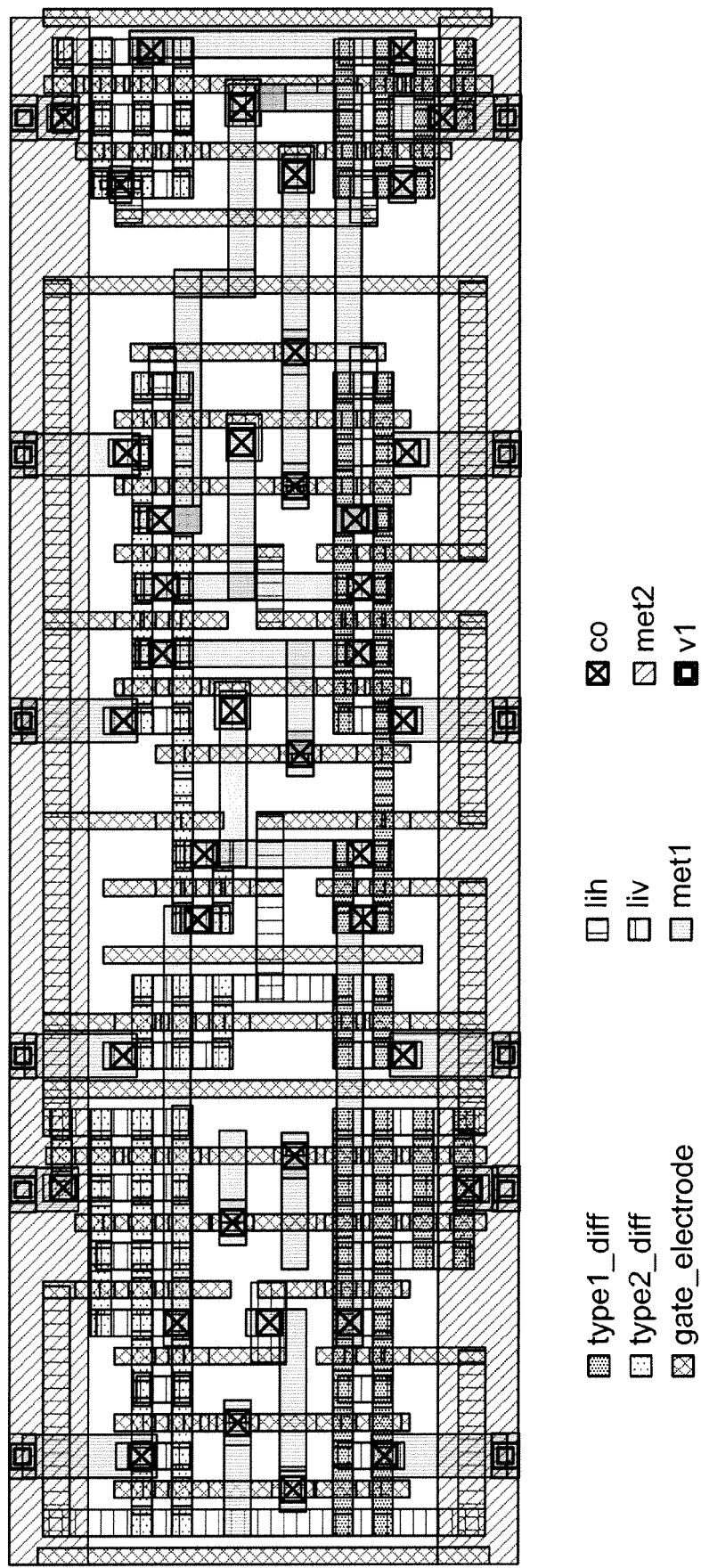


Fig. 77A

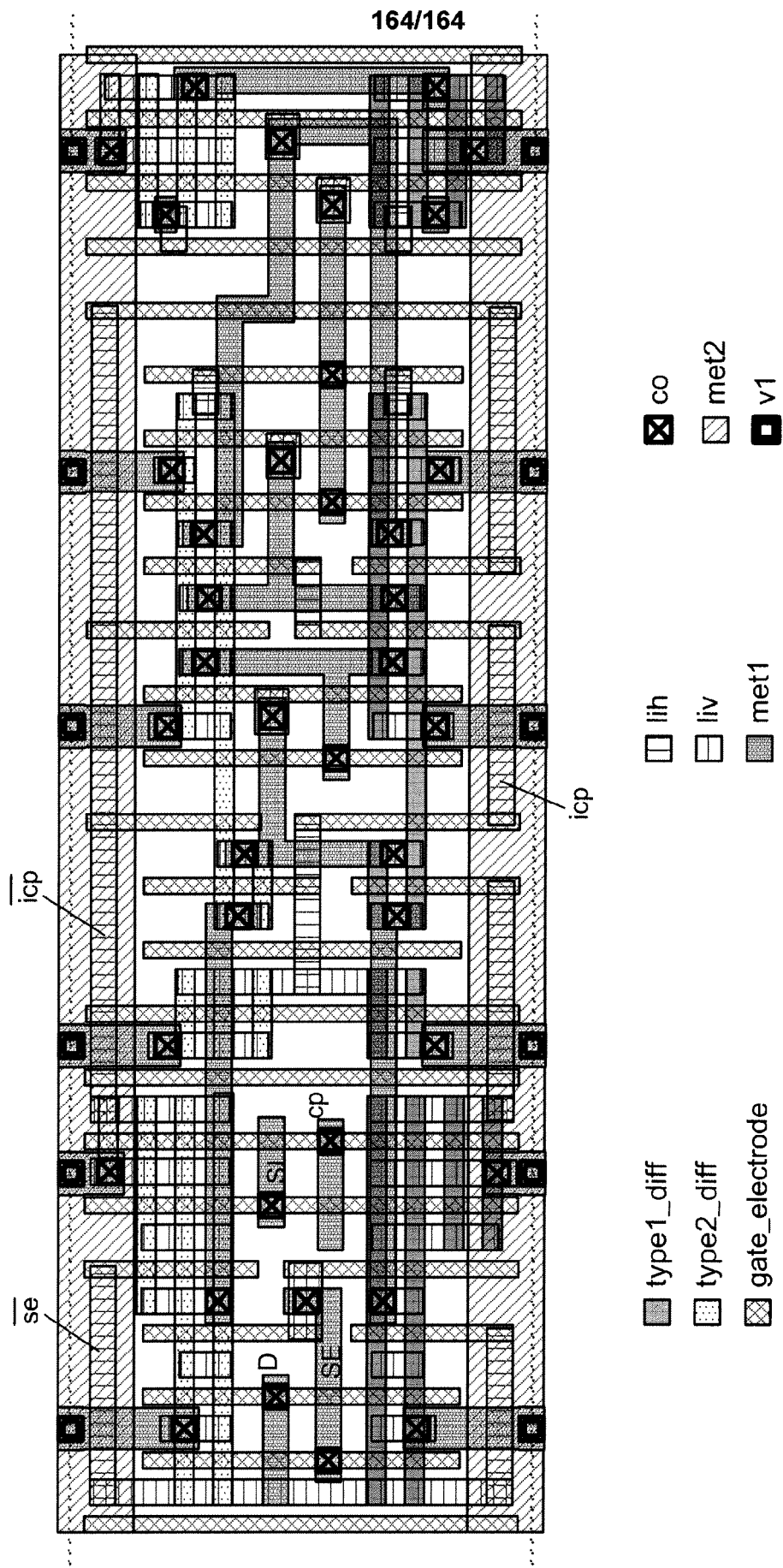


Fig. 77B