DIAGRAMAS DE INTERACCION Pu - Mu

```
A. Columnas Armadura Bordes Extremos fy = 420 MPa (1 - 16)
 1. fc = 20 MPa
                           \gamma = 0.8
 2 \cdot fc = 25 \text{ MPa}
                           \gamma = 0.8
 3 \cdot fc = 30 \text{ MPa}
                           \gamma = 0.8
 4 \cdot fc = 35 MPa
                          \gamma = 0.8
 5 \cdot fc = 40 \text{ MPa}
                          \gamma = 0.8
 6. f'c = 45 MPa
                       \gamma = 0.8
 7. f'c = 50 MPa
                          \gamma = 0.8
 8. f'c = 55 MPa
                          \gamma = 0.8
9. fc = 20 MPa
                          \gamma = 0.9
10. f'c = 25 MPa \gamma = 0.9
11. fc = 30 MPa
                           \gamma = 0.9
12. fc = 35 MPa
                          \gamma = 0.9
13. fc = 40 \text{ MPa}
                          \gamma = 0.9
14. fc = 45 MPa
                       \gamma = 0.9
15. fc = 50 MPa \gamma = 0.9
16. fc = 55 MPa
                          \gamma = 0.9
B. Columnas Armadura Perimetral fy = 420 MPa (17 - 32)
17. f'c = 20 MPa
                           \gamma = 0.8
18. fc = 25 MPa
                           \gamma = 0.8
19. f'c = 30 MPa
                          \gamma = 0.8
20 . fc = 35 MPa
                          \gamma = 0.8
21. fc = 40 MPa
                          \gamma = 0.8
22. fc = 45 MPa
                           \gamma = 0.8
23 \cdot fc = 50 MPa
                          \gamma = 0.8
24 \cdot fc = 55 \text{ MPa}
                           \gamma = 0.8
25 \cdot fc = 20 \text{ MPa}
                           \gamma = 0.9
26 \cdot fc = 25 \text{ MPa}
                           \gamma = 0.9
27 \cdot fc = 30 \text{ MPa}
                           \gamma = 0.9
28. fc = 35 MPa
                          \gamma = 0.9
29 \cdot fc = 40 \text{ MPa}
                           \gamma = 0.9
30 \cdot fc = 45 \text{ MPa}
                          \gamma = 0.9
31. f'c = 50 \text{ MPa}
                           \gamma = 0.9
32 \cdot fc = 55 MPa
                       \gamma = 0.9
```

C. Columnas Armadura Lateral fy = 420 MPa (33 - 40)

```
33 . f'c = 20 MPa \gamma = 0.8
```

34. f'c = 25 MPa
$$\gamma = 0.8$$

35 . fc = 30 MPa
$$\gamma = 0.8$$

36. fc = 35 MPa
$$\dot{\gamma}$$
 = 0.8

37. fc = 20 MPa
$$\gamma = 0.9$$

38 . f'c = 25 MPa
$$\gamma$$
 = 0.9

39 . fc = 30 MPa
$$\gamma$$
 = 0.9

40. f'c = 35 MPa
$$\gamma$$
 = 0.9

D. Columnas Armadura Bordes Extremos fy = 280 MPa (41 - 48)

```
41. f'c = 20 MPa \gamma = 0.8
```

42. fc = 25 MPa
$$\gamma = 0.8$$

43 . f'c = 30 MPa
$$\gamma$$
 = 0.8

44. f'c = 35 MPa
$$\gamma = 0.8$$

45. fc = 20 MPa
$$\gamma = 0.9$$

46. fc = 25 MPa
$$\gamma = 0.9$$

47. fc = 30 MPa
$$\gamma = 0.9$$

48. f'c = 35 MPa
$$\gamma$$
 = 0.9

E. Columnas Armadura Perimetral fy = 280 MPa (49 - 56)

```
49. f'c = 20 MPa \gamma = 0.8
```

50. fc = 25 MPa
$$\gamma$$
 = 0.8

51. fc = 30 MPa
$$\gamma = 0.8$$

52. f'c = 35 MPa
$$\gamma$$
 = 0.8

53. f'c = 20 MPa
$$\gamma = 0.9$$

54. fc = 25 MPa
$$\gamma$$
 = 0.9

55. fc = 30 MPa
$$\gamma = 0.9$$

56. fc = 35 MPa
$$\gamma$$
 = 0.9

F. Columnas Armadura Lateral fy = 280 MPa (57 - 64)

```
57. f'c = 20 MPa \gamma = 0.8
```

58 . fc = 25 MPa
$$\gamma$$
 = 0.8

59. f'c = 30 MPa
$$\gamma$$
 = 0.8

60. f'c = 35 MPa
$$\gamma = 0.8$$

```
\begin{array}{lll} 61 \; . \;\; fc = 20 \; MPa & \gamma = 0.9 \\ 62 \; . \;\; fc = 25 \; MPa & \gamma = 0.9 \\ 63 \; . \;\; fc = 30 \; MPa & \gamma = 0.9 \\ 64 \; . \;\; fc = 35 \; MPa & \gamma = 0.9 \end{array}
```

G. Muros Armadura Uniformemente Distribuida fy = 420 MPa (65 - 72)

```
65 \cdot fc = 20 MPa
                          \gamma = 1.0
66 \cdot fc = 25 MPa
                          \gamma = 1.0
67 \cdot fc = 30 MPa
                      \gamma = 1.0
                         \gamma = 1.0
68 \cdot fc = 35 MPa
69 \cdot fc = 40 \text{ MPa}
                      \gamma = 1.0
70 . fc = 45 MPa
                       \gamma = 1.0
71. fc = 50 MPa
                      \gamma = 1.0
72. fc = 55 MPa
                          \gamma = 1.0
```

H. Muros Armadura Concentrada en Extremos rw= 0.0025 fy = 420 MPa (73 - 80)

Muros Armadura Concentrada en Extremos rw= 0.0050 fy = 420 MPa (81 - 88)

```
81. f'c = 20 MPa
                             \gamma = 0.9
82. f'c = 25 MPa
                             \gamma = 0.9
83 \cdot fc = 30 MPa
                            \gamma = 0.9
84 \cdot fc = 35 MPa
                             \gamma = 0.9
85 \cdot fc = 40 \text{ MPa}
                            \gamma = 0.9
86 \cdot fc = 45 \text{ MPa}
                            \gamma = 0.9
87 \cdot fc = 50 \text{ MPa}
                         \gamma = 0.9
88 . fc = 55 MPa
                        \gamma = 0.9
```































































