

4101:1-19-01 Concrete.

Chapter 19 of the International Building Code, 2021 edition, ~~as is~~ incorporated by reference and modified in Section 101.1.1 of this code-, is further modified as follows:

Add Section 1901.2.1 and two (2) exceptions to read as follows:

1901.2.1 Structural concrete with GFRP reinforcement. Cast-in-place structural concrete internally reinforced with glass fiber reinforced polymer (GFRP) reinforcement conforming to ASTM D7957 and designed in accordance with ACI CODE 440.11 shall be permitted where fire resistance ratings are not required and only for structures assigned to Seismic Design Categories A, B, or C.

Exceptions:

1. Concrete internally reinforced with GFRP bars shall not be permitted for concrete elements that are part of the seismic lateral force resisting system in structures assigned to Seismic Design Categories B or C.
2. GFRP reinforcement bars are not to be used for repairs or alterations of structural concrete.