

Key Observations

1. Many tables simply **moved or renumbered** (e.g., 310.15 → 310.16).
2. **Spotlight Article 311**: NEC 2020 split **medium-voltage conductor requirements** (2001 V–35 kV) into **Article 311**. Students must now look there for MV ampacity tables.
3. **Voltage Drop Notes**: Still advisory, not enforceable — unchanged in principle, just slightly renumbered.
4. **Table 310.16** (not 310.15(B)(16)) and **Article 311** for MV are the go-to Ampacity Tables.

NEC® Conductor Sizing – Key Code Reference Updates (2017 → 2020)

Topic	NEC 2017 Reference (Old)	NEC 2020 Reference (Updated)	Notes/Observations
Ambient Temperature Correction (30°C base)	Table 310.15(B)(2)(a)	Table 310.15(B)(1)	Renumbered – same content.
Ambient Temperature Correction (40°C base)	Table 310.15(B)(2)(b)	Table 310.15(B)(2)	Renumbered – same content.
Adjustment for >3 Current-Carrying Conductors	Table 310.15(B)(3)(a)	Table 310.15(C)(1)	Renumbered – same adjustment factors.
Ampacity of Insulated Conductors (0–2000 V, Raceway/Cable/Earth)	Table 310.15(B)(16)	Table 310.16	Table renumbered and simplified.

Topic	NEC 2017 Reference (Old)	NEC 2020 Reference (Updated)	Notes/Observations
Ampacity of Single-Insulated Conductors in Free Air	Table 310.15(B)(17)	Table 310.17	Renumbered.
Minimum Size of Conductors	Table 310.106(A)	Table 311.12(A) (Medium Voltage Conductors)	New Article 311 created for MV conductors.
Ampacity for 2001 V to 35,000 V Conductors	Tables 310.60(C)(67–86)	Tables 311.60(C)(67–86)	Medium-voltage ampacity tables moved to Article 311 .
Temperature Correction for MV Conductors	310.60(D)(4)	311.60(D)(4)	Relocated under Article 311.
Voltage Drop Informational Notes	210.19(A)(1) Informational Note 4 & 215.2(A)(1) Informational Note 2	Still present, but renumbered (210.19(A)(1) Informational Note 3, etc.)	Language streamlined, same design guidance (3% branch, 5% total).