



Table of Contents

Article 80 Administration and Enforcement.....	1	Article 210 Branch Circuits.....	51
Article 90 Introduction	2	210.1 Scope	51
90.1 Purpose	2	210.2 Other Articles	51
90.2 Scope	3	210.3 Branch-Circuit Rating	51
90.3 Code Arrangement	4	210.4 Multiwire Branch Circuits	51
90.4 Enforcement	5	210.6 Branch Circuit Voltage Limitation	52
90.5 Mandatory Rules and Explanatory Material	6	210.7 Receptacles	53
90.6 Formal Interpretations	6	210.8 Ground-Fault Circuit-Interrupter Protection for Personnel	53
90.7 Examination of Equipment for Product Safety	6	210.11 Branch Circuits Requirements	58
90.9 Units of Measurement	7	210.12 Arc-Fault Circuit-Interrupter (AFCI) Protection	60
Chapter 1 – General		210.19 Conductor Sizing	63
Article 100 Definitions.....	11	210.20 Overcurrent Protection	67
Article 110 Requirements for Electrical Installations	27	210.21 Outlet Device Rating	67
110.1 Scope.	27	210.23 Permissible Loads	68
110.2 Approval of Equipment	27	210.25 Common Area Branch Circuits	68
110.3 Examination, Identification, Installation, and Use of Equipment	27	210.50 General	68
110.4 Voltages	27	210.52 Dwelling Unit Receptacle Outlet Requirements	69
110.5 Copper Conductors	28	210.60 Receptacles in Guest Room for Hotels and Motels	72
110.6 Conductor Sizes	28	210.63 Heating Air Conditioning and Refrigeration Equipment	73
110.7 Conductor Insulation	28	210.70 Lighting Outlets Requirements	73
110.8 Suitable Wiring Methods	29	Article 215 Feeders.....	78
110.9 Interrupting Protection Rating	29	215.1 Scope	78
110.10 Short-Circuit Current Rating	30	215.2 Minimum Rating and Size	78
110.11 Deteriorating Agents	31	215.3 Overcurrent Protection	78
110.12 Mechanical Execution of Work	32	215.8 High-Leg Conductor Identification	79
110.13 Mounting and Cooling of Equipment	33	215.10 Ground-Fault Protection of Equipment	79
110.14 Electrical Conductor Termination	33	Article 220 Branch-Circuit, Feeder, and Service Calculations ..	81
110.15 High-Leg Conductor Identification	36	220.1 Scope	81
110.16 Flash Protection Warning	36	220.2 Voltage for Calculations	81
110.21 Manufacturer's Markings	37	220.3 Computation of Loads	82
110.22 Identification of Disconnecting Means	37	220.4 Maximum Load on a Branch Circuit	86
110.26 Access and Working Space About Electrical Equipment	37	220.10 General	87
110.27 Guarding	42	220.11 General Lighting Demand Factors	87
Chapter 2 – Wiring and Protection		220.12 Commercial - Show Window and Track Lighting Load	88
Article 200 Use and Identification of Grounded (neutral) Conductor	46	220.13 Commercial - Receptacle Load	88
200.1 Scope	46	220.14 Motor Load	89
200.6 Identification of the Grounded Conductor	47	220.15 Fixed Electric Space Heating Load	89
200.7 Use of White or Natural Gray Color	48	220.16 Dwelling Unit - Small-appliance and Laundry Load	89
200.9 Terminal Identification	48	220.17 Dwelling Unit - Appliance Load	90
200.10 Identification of Terminals	48	220.18 Dwelling Unit - Electric Clothes Dryer Load	90
200.11 Polarity	49	220.19 Dwelling Unit - Electric Ranges and Cooking Appliance Load	91
		220.20 Commercial - Kitchen Equipment Load	93
		220.21 Noncoincident Loads	93
		220.22 Feeder/service Neutral Load	94

220.30 Dwelling Unit - Optional Load Calculation	96	230.90 Overload Protection Required	117
220.32 Multifamily - Optional Load Calculation	97	230.95 Ground-Fault Protection of Equipment	118
Article 225 Outside Wiring	99	Article 240 Overcurrent Protection.....	121
225.1 Scope	99	240.1 Scope	121
225.2 Other Articles	99	240.2 Definitions	121
225.6 Minimum Size Conductors	99	240.3 Protection of Equipment	122
225.7 Luminaires Installed Outdoors	100	240.4 Protection of Conductors	124
225.15 Supports over Buildings	100	240.5 Protection of Flexible Cords and Fixture Wires	124
225.16 Point of Attachment to Buildings	100	240.6 Standard Ampere Ratings	125
225.17 Means of Attachment to Buildings	100	240.10 Supplementary Overcurrent Protection	125
225.18 Clearances	100	240.13 Ground Fault Protection of Equipment	125
225.19 Clearances From Building	100	240.20 Ungrounded Conductors	125
225.26 Trees For Conductor Support	101	240.21 Location in Circuit	126
225.30 Number of Supplies	102	240.24 Location in Premises	129
225.31 Disconnecting Means	102	240.32 Damp or Wet Locations	130
225.32 Disconnect Location	102	240.33 Vertical Position	130
225.33 Maximum Number of Disconnects	104	240.51 Edison-base Fuse	131
225.34 Grouping of Disconnects	104	240.53 Type S Fuses	131
235.35 Access to Occupants	104	240.54 Type S Fuses, Adapters, and Fuseholders	131
225.36 Identified As Suitable for Service Equipment	104	240.60 General	131
225.37 Identification of Multiple Supplies	104	240.61 Classification	132
225.38 Disconnect Construction	104	240.80 Method of Operation	132
225.39 Rating of Disconnecting Means	105	240.81 Indicating	132
Article 230 Services	107	240.84 Markings	132
230.1 Scope	107	240.85 Applications	133
230.2 Number of Services	107	Article 250 Grounding	136
230.3 Pass Through a Building or Structure	108	250.1 Scope	142
230.6 Conductors Considered Outside a Building	108	250.2 Definitions	142
230.7 Service Conductors Separate From Other Conductors	108	250.3 Other Code Sections	143
230.8 Raceway Seals	109	250.4 General Requirements for Grounding and Bonding	143
230.9 Clearance From Building Openings	109	250.6 Objectionable (neutral) Current	149
230.10 Vegetation as Support	110	250.8 Termination of Grounding and Bonding Conductors	153
230.23 Size and Rating	110	250.10 Protection of Grounding Fittings	154
230.24 Clearances	110	250.12 Clean Surface	154
230.26 Point of Attachment	111	250.20 Alternating-Current Systems to be grounded	154
230.28 Service Masts Used as Supports	111	250.24 Grounding and Bonding at Service Equipment	156
230.31 Size and Rating	112	250.28 Main Bonding Jumper	160
230.32 Protection Against Damage	112	250.30 Grounding Separately Derived Systems	161
230.40 Number of Service-Entrance Conductor Sets	112	250.32 Grounding Separate Buildings and Structures	167
230.42 Size and Rating	112	250.34 Generators-Portable and Vehicle-Mounted	169
230.43 Wiring Methods	113	250.50 Grounding Electrode System	172
230.46 Spliced Conductors	113	250.52 Grounding Electrodes	172
230.50 Protection Against Physical Damage – Aboveground	113	250.53 Installation of Grounding Electrode Systems	175
230.51 Service Cable Supports	114	250.54 Supplementary Electrodes	177
230.54 Connections at Service Head (weatherheads)	114	250.56 Resistance of Ground Rod Electrode	177
230.56 High-Leg Identification	114	250.58 Common Grounding Electrode	178
230.66 Identified as Suitable for Service Equipment	114	250.60 Lightning Protection System Grounding Electrode	178
230.70 General	115	250.62 Grounding Electrode Conductor - Material	179
230.71 Number of Disconnects	116	250.66 Grounding Electrode Conductor - Sizing	180
230.72 Grouping of Disconnects	116	250.68 Grounding Electrode Connection	181
230.76 Manual or Power-Operated Circuit Breakers	117	250.70 Grounding Electrode Termination Fitting	182
230.79 Rating of Disconnect	117	250.80 Service Enclosures	182
230.82 Equipment on the Supply Side	117	250.86 Other Enclosures	183

250.90	General	183
250.92	Services	184
250.94	Bonding of Communications Systems	186
250.96	Bonding Other Enclosures	188
250.97	Bonding Circuits Over 250V to Ground	190
250.100	Hazardous (Classified) Locations Bonding	190
250.102	Bonding Jumper	191
250.104	Bonding of Piping Systems and Exposed Structural Steel	193
250.106	Lightning Protection System	195
250.118	Types of Equipment Grounding Conductors	196
250.119	Identification of Effective Ground-Fault Path Conductors	198
250.120	Equipment Grounding Conductors Installation	199
250.122	Sizing Equipment Grounding Conductor	199
250.126	Identification of Wiring Device Terminals	201
250.130	Equipment Grounding Conductor Connections	202
250.134	Fixed Equipment Grounding	203
250.136	Equipment Considered Effectively Grounded	203
250.140	Grounding of Ranges, Clothes Dryers	203
250.142	Neutral-to-case Connections	204
250.146	Bonding Receptacle Grounding Terminal to Box	205
250.148	Continuity and Attachment of Equipment Grounding Conductors to Boxes	209
Article 280 Surge Arresters		216
280.1	Scope	216
280.2.	Definition	216
280.3	Number Required	216
280.4	Surge Arrester Selection	216
280.11	Location	216
280.12	outing of Connections	216
280.21	Installed at Services Equipment	216
280.22	Installed on the Load Side of Service Equipment	216
280.25	Grounding	216
Article 285 Transient Voltage Surge Suppressors (TVSSs)		218
285.1	Scope	218
285.2	Definition	218
285.3	Uses Not Permitted	218
285.4	Number Required	218
285.5	Listing	218
285.6	Short Circuit Current Rating	218
285.11	Location	219
285.12	Routing of Connections	219
285.21	Connection	219
285.25	Grounding	219
Chapter 3 – Wiring Methods and Materials		
Article 300 Wiring Methods		224
300.1	Scope	224
300.3	Conductors	224
300.4	Protection Against Physical Damage	226
300.5	Underground Installations	228
300.6	Protection Against Corrosion	231
300.7	Raceways Exposed to Different Temperatures	231
300.8	Not Permitted in Raceways	232

300.10	Electrical Continuity	232
300.11	Securing and Supporting	233
300.12	Mechanical Continuity	234
300.13	Splices and Pigtails	234
300.14	Length of Free Conductors	236
300.15	Boxes or Conduit Bodies Required	236
300.17	Raceway Sizing	237
300.18	Inserting Conductors in Raceways	239
300.19	Supporting Conductors in Vertical Raceways	239
300.20	Induced Currents in Metal Parts	240
300.21	Spread of Fire or Products of Combustion	241
300.22	Ducts, Plenums, and Air-Handling Spaces	241
300.23	Panels Designed to Allow Access	243
Article 310 Conductors For General Wiring		246
310.1	Scope	246
310.2	Conductors	246
310.3	Stranded Conductors	246
310.4	Conductors in Parallel	246
310.5	Minimum Size Conductors	247
310.8	Locations	247
310.9	Corrosive Conditions	247
310.10	Insulation Temperature Limitation	247
310.12	Conductor Identification	248
310.13	Conductor Construction	248
310.15	Conductor Ampacity	249
Article 312 Cabinets, Cutout Boxes, and Meter Socket Enclosures		254
312.1	Scope	254
312.2	Damp, Wet, or Hazardous (Classified) Locations	254
312.3	Installed in Walls	254
312.5	Cables	254
312.8	Used for Raceway and Splices	255
Article 314 Outlet, Device, Pull and Junction Boxes, Conduit Bodies, and Fittings		257
314.1	Scope	257
314.3	Nonmetallic Boxes	257
314.5	Short-Radius Conduit Bodies.	257
314.15	Damp, Wet, or Hazardous (Classified) Locations	257
314.16	Number of 6 AWG and Smaller Conductors in Boxes and Conduit Bodies	258
314.17	Conductors Entering Boxes or Conduit Bodies	260
314.20	Boxes Installed in Walls or Ceilings	261
314.21	Gaps Around Boxes	261
314.22	Surface Extensions	261
314.23	Supports of Boxes and Conduit Bodies	262
314.25	Covers and Canopies	263
314.27	Outlet Boxes	264
314.28	Pull and Junction Boxes and Conduit Bodies for Conductors 4 AWG and Larger	265
314.29	Wiring to be Accessible	266
Article 320 Armored Cable (Type AC).....		269
320.1	Scope	269
320.2	Definition	269

320.10	Uses Permitted	269	340.24	Bends	289
320.12	Uses Not Permitted	269	340.80	Ampacity	289
320.15	Exposed Work	269	Article 342 Intermediate Metal Conduit (IMC).....291		
320.17	Through or Parallel to Framing Members	270	342.1	Scope	291
320.23	In Accessible Attics or Roof Spaces	270	342.2	Definition	291
320.24	Bends	270	342.6	Listing Requirements	291
320.30	Secured and Supported	270	342.10	Uses Permitted	291
320.40	Boxes and Fittings	271	342.14	Dissimilar Metals	291
320.80	Conductor Ampacities	271	342.20	Size	291
320.100	Construction	271	342.22	Number of Conductors	291
320.108	Grounding	272	342.24	Bends	291
Article 330 Metal-Clad Cable (Type MC).....274			342.26	Number of Bends (360°)	292
330.1	Scope	274	342.28	Reaming	292
330.2	Definition	274	342.30	Secured and Supported	292
330.10	Uses Permitted	274	342.42	Couplings and Connectors	293
330.12	Uses Not Permitted	274	342.46	Bushings	293
330.17	Through or Parallel to Framing Members	274	Article 344 Rigid Metal Conduit (RMC).....295		
330.23	In Accessible Attics or Roof Spaces	274	344.1	Scope	295
330.24	Bends	275	344.2	Definition	295
330.30	Securing and Supporting	275	344.6	Listing Requirements	295
330.40	Fittings	276	344.10	Uses Permitted	295
330.80	Conductor Ampacities	276	344.14	Dissimilar Metals	295
330.108	Grounding	276	344.20	Size	295
Article 334 Nonmetallic-Sheathed Cable (Types NM and NMC).....279			344.22	Number of Conductors	295
334.1	Scope	279	344.24	Bends	295
334.2	Definition	279	344.26	Number of Bends (360°)	296
334.6	Listed	279	344.28	Reaming	296
334.10	Uses Permitted	279	344.30	Secured and Supported	296
334.12	Uses Not Permitted	280	344.42	Couplings and Connectors	297
334.15	Exposed	280	344.46	Bushings	297
334.17	Through or Parallel to Framing Members	280	Article 348 Flexible Metal Conduit (FMC).....299		
334.23	Attics and Roof Spaces	281	348.1	Scope	299
334.24	Bends	281	348.2	Definition	299
334.30	Secured or Supported	281	348.6	Listing Requirements	299
334.80	Ampacity	282	348.10	Uses Permitted	299
Article 336 Power and Control Tray Cable (Type TC).....284			348.12	Uses Not Permitted	299
336.1	Scope	284	348.20	Size	299
336.2	Definition	284	348.22	Number of Conductors	299
336.10	Uses Permitted	284	348.24	Bends	300
336.12	Uses Not Permitted	284	348.26	Number of Bends (360°)	300
Article 338 Service-Entrance Cables (Types SE and USE).....286			348.28	Trimming	300
338.1	Scope	286	348.30	Secured and Supports	300
338.2	Definition	286	348.42	Fittings	300
338.10	Uses Permitted	286	348.60	Grounding	301
338.24	Bends	287	Article 350 Liquidtight Flexible Metal Conduit (LFMC).....303		
Article 340 Underground Feeder and Branch-Circuit Cable (Type UF).....289			350.1	Scope	303
340.1	Scope	289	350.2	Definition	303
340.2	Definition	289	350.6	Listing Requirement	303
340.10	Uses Permitted	289	350.10	Uses Permitted	303
340.12	Uses Not Permitted	289	350.12	Uses Not Permitted	303
			350.20	Size	303
			350.22	Number of Conductors	303

350.24	Bends	304	358.12	Uses Not Permitted	317
350.26	Number of Bends (360°)	304	358.20	Size	318
350.30	Secured and Supports	304	358.22	Number of Conductors	318
350.42	Fittings	304	358.24	Bends	318
350.60	Grounding	304	358.26	Number of Bends (360°)	318
Article 352 Rigid Nonmetallic Conduit (RNC)306			358.28	Reaming and Threading	318
352.1	Scope	306	358.30	Secured and Supported	318
352.2	Definition	306	358.42	Coupling and Connectors	319
352.10	Uses Permitted	306	Article 362 Electrical Nonmetallic Tubing (ENT)321		
352.12	Uses Not Permitted	306	362.1	Scope	321
352.20	Size	307	362.2	Definition	321
352.22	Number of Conductors	307	362.10	Uses Permitted	321
352.24	Bends	307	362.12	Uses Not Permitted	322
352.26	Number of Bends (360°)	307	362.20	Sizes	323
352.28	Trimming	307	362.22	Number of Conductors	323
352.30	Secured and Supported	307	362.24	Bends	323
352.44	Expansion Fittings	308	362.26	Number of Bends (360°)	323
352.46	Bushings	308	362.28	Trimming	323
352.48	Joints	308	362.30	Secured and Supported	323
352.60	Grounding	309	362.46	Bushings	324
Article 354 Nonmetallic Underground Conduit with Conductors (NUCC)311			362.48	Joints	324
354.1	Scope	311	362.60	Grounding	324
354.2	Definition	311	Article 376 Metal Wireways326		
354.6	Listing Requirement	311	376.1	Scope	326
354.10	Uses Permitted	311	376.2	Definition	326
354.12	Uses Not Permitted	311	376.10	Uses Permitted	326
354.20	Size	312	376.12	Uses Not Permitted	326
354.24	Bends	312	376.21	Conductor – Maximum Size	326
354.26	Bends — Number in One Run	312	376.22	Conductors – Maximum Number	326
354.28	Trimming	312	376.23	Wireway Sizing	327
354.46	Bushings	312	376.30	Supports	327
354.48	Joints	312	376.56	Splices and Taps	327
354.50	Conductor Terminations	312	Article 378 Nonmetallic Wireways329		
Article 356 Liquidtight Flexible Nonmetallic Conduit (LFNC) ...314			378.1	Scope	329
356.1	Scope	314	378.2	Definition	329
356.2	Definition	314	378.10	Uses Permitted	329
356.6	Listing Requirement	314	378.12	Uses Not Permitted	329
356.10	Uses Permitted	314	378.21	Conductor – Maximum Size	329
356.12	Uses Not Permitted	314	378.22	Conductors – Maximum Number	329
356.20	Size	314	378.23	Wireway Sizing	329
356.22	Number of Conductors	314	378.30	Supports	330
356.24	Bends	314	378.44	Expansion Fittings	330
356.26	Number of Bends (360°)	315	378.56	Splices and Taps	330
356.30	Secured and Supports	315	378.60	Grounding	330
356.42	Fittings	315	Article 380 Multioutlet Assembly332		
356.60	Grounding	315	380.1	Scope	332
Article 358 Electrical Metallic Tubing (EMT)317			380.2	Uses	332
358.1	Scope	317	380.3	Through Partitions	332
358.2	Definition	317	Article 384 Strut-Type Channel Raceway334		
358.6	Listing Requirement	317	384.1	Scope	334
358.10	Use	317	384.2	Definition	334
			384.10	Uses Permitted	334

384.12	Uses Not Permitted	334	402.10	Uses Permitted	351
384.21	Conductor – Maximum Size	334	402.11	Uses Not Permitted	352
384.22	Number of Conductors	334	402.12	Overcurrent Protection	352
384.30	Securing and Supporting	334	Article 404 Switches 354		
384.56	Splices and Taps	335	404.1	Scope	354
384.60	Grounding	335	404.2	Switch Connections	354
Article 386 Surface Metal Raceways 337			404.3	Switch Enclosures	354
386.1	Scope	337	404.4	Wet Locations	355
386.2	Definition	337	404.6	Position of Knife Switches	355
386.6	Listing Requirements	337	404.7	Indicating	356
386.10	Uses Permitted	337	404.8	Accessibility and Grouping	356
386.12	Uses Not Permitted	337	404.9	Switch Faceplates	357
386.21	Size of Conductors	337	404.10	Mounting Snap Switches	357
386.22	Number of Conductors Permitted	338	404.11	Circuit Breakers Used as Switches	357
386.56	Splices and Taps	338	404.12	Grounding	357
386.60	Grounding	338	404.14	Rating and Use of Snap Switches	357
386.70	Separate Compartments	338	404.15	Switch Marking	358
Article 388 Surface Nonmetallic Raceways 340			Article 406 Receptacles, Cord Connectors, and Attachment Plugs (Caps) 360		
388.1	Scope	340	406.1	Scope	360
388.2	Definition	340	406.2	Receptacle Rating and Type	360
388.6	Listing Requirements	340	406.3	General Installation Requirements	360
388.10	Uses Permitted	340	406.4	Receptacle Mounting	362
388.12	Uses Not Permitted	340	406.5	Receptacle Faceplates (Cover Plates)	363
388.21	Size of Conductors	340	406.6	Attachment Plugs	363
388.22	Number of Conductors	340	406.8	Receptacles in Damp or Wet Locations	364
388.56	Splices and Taps	340	406.10	Connecting Receptacle Grounding Terminal to Box	365
388.60	Grounding	340	Article 408 Switchboards and Panelboards 368		
388.70	Separate Compartments	340	408.1	Scope	368
Article 392 Cable Trays 342			408.3	Arrangement of Busbars and Conductors	368
392.1	Scope	342	408.4	Circuit Identification	368
392.2	Definition	342	408.14	Classification of Panelboards	369
392.3	Uses Permitted	342	408.15	Number of Overcurrent Protection Devices	369
392.4	Uses Not Permitted	342	408.16	Overcurrent Protection of Panelboard	369
392.6	Installation	342	408.20	Grounding of Panelboards	370
Chapter 4 – Equipment for General Use			408.21	Grounded Conductor Terminations	372
Article 400 Flexible Cords and Cables 347			Article 410 Luminaires, Lampholders, and Lamps 374		
400.1	Scope	347	410.1	Scope	374
400.3	Suitability	347	410.4	Specific Locations	374
400.4	Types	347	410.8	Clothes Closets	375
400.5	Ampacity of Flexible Cords and Cables	347	410.12	Outlet Box to Be Covered	376
400.7	Uses Permitted	347	410.14	Connection of Electric Discharge Luminaires	377
400.8	Uses Not Permitted	348	410.15	Metal Poles	377
400.10	Pull at Joints and Terminals	349	410.16	Support	378
400.13	Overcurrent Protection	349	410.23	Polarization of Luminaires	379
Article 402 Fixture Wires 351			410.30	Cord-Connected Luminaires	379
402.1	Scope	351	410.31	Luminaires Used As Raceway	379
402.3	Types	351	410.32	Wiring Luminaires Connected Together	380
402.5	Allowable Ampacity of Fixture Wires	351	410.33	Branch-Circuit Conductors and Ballast	380
402.6	Minimum Size	351	410.47	Screw-Shell Lampholder	380
402.7	Raceway Size	351	410.65	Thermally Protected	380
402.8	Grounded (neutral) Conductor	351	410.66	Recessed Luminaire Clearances	381

410.67	Wiring	381	430.74	Disconnect for Control Circuit	402
410.76	Luminaire Mounting	381	430.81	General	402
410.100	Definition	381	430.83	Controller Rating	402
410.101	Installation	381	430.84	Need Not Open All Conductors	403
410.104	Fastening	382	430.87	Controller for Each Motor	403
Article 411 Lighting Systems Operating at 30V or Less.....		385	430.91	Motor Controller Enclosure Types	403
411.1	Scope	385	430.102	Disconnect Requirement	403
411.2	Definition	385	430.103	Disconnect Opens All Conductors	404
411.3	Listing Required	385	430.104	Marking and Mounting	404
411.4	Locations Not Permitted	385	430.107	Readily Accessible	405
Article 422 Appliances.....		386	430.109	Disconnect Rating	405
422.1	Scope	386	430.111	Combination Controller-Disconnect	405
422.3	Other Articles	386	Article 440 Air-Conditioning and Refrigeration Equipment.....		
422.10	Branch-Circuit Rating	386	408		
422.11	Overcurrent Protection	386	440.1	Scope	408
422.12	Fossil Fuel Heating Equipment (Furnaces)	387	440.2	Definitions	408
422.13	Water Heaters	387	440.3	Other Articles	408
422.15	Central Vacuum	387	440.13	Cord-and-Plug-Connected Equipment	408
422.16	Flexible Cords	387	440.14	Location	408
422.18	Paddle Fans	388	440.21	General	409
422.30	Disconnecting Means	389	440.22	Short-Circuit and Ground-Fault Protection Device Size	409
422.31	Permanently Connected Appliance Disconnect	389	440.32	Conductor Size – One Motor-Compressor	410
422.33	Cord-and-Plug-Connected Appliance Disconnect	389	440.33	Conductor Size - Several Motor-Compressors	410
422.34	Unit Switch as Disconnect	390	440.60	General	410
Article 424 Fixed Electric Space Heating Equipment.....		392	440.62	Branch-Circuit Requirements	410
424.1	Scope	392	440.63	Disconnecting Means	411
424.3	Branch Circuits	392	440.64	Supply Cord	411
424.9	Permanently Installed Baseboard Headers with Receptacles	392	Article 445 Generators.....		
424.19	Disconnecting Means	392	413		
424.44	Installation of Cables in Concrete or Poured Masonry Floors	393	445.1	Scope	413
424.65	Disconnect for Electric Duct Heater Controller	393	445.3	Other Articles	413
Article 430 Motors, Motor Circuits, and Controllers.....		395	445.11	Marking	413
430.1	Scope	395	445.12	Overcurrent Protection	413
430.6	Table FLC versus Motor Nameplate Current Rating	395	445.13	Ampacity of Conductors	413
430.9	Motor Controllers Terminal Requirements	395	445.18	Disconnecting Means Required for Generators	414
430.14	Location of Motors	395	Article 450 Transformers.....		
430.17	The Highest Rated Motors	396	415		
430.22	Single Motor Conductor Size	396	450.1	Scope	415
430.24	Motor Feeder Conductor Size	397	450.3	Overcurrent Protection	415
430.28	Motor Tap Conductors	397	450.9	Ventilation	416
430.31	Overload	398	450.13	Transformer Accessibility	416
430.32	Overload Sizing	398	Article 460 Capacitors.....		
430.36	Use of Fuses for Overload Protection	398	419		
430.37	Number of Overload Devices	399	460.1	Scope	419
430.51	General	399	460.2	Enclosing and Guarding	419
430.52	Branch-Circuit Short-Circuit and Ground-Fault Protection	399	460.8	Conductors	419
430.55	Single Overcurrent Protective Device	400	460.9	Rating or Setting of Motor Overload Device	419
430.62	Feeder Protection	400	Index.....		
430.71	Definition of Motor Control Circuit	401	421		
430.72	Overcurrent Protection for Control Circuits	401			