

- A
- Above base building standard, 7
 - ABS (acrylonitrile-butadiene-styrene), 135
 - Absorbed solar radiation, 331
 - AC (Interzone Attenuation and Articulation Class), 92
 - Access flooring, 330, 331
 - Accessibility regulations, 64–73
 - ADA, 65
 - FHAA, 65
 - history of, 64, 65
 - kitchens, 70–73
 - plumbing fixtures, 69–71
 - routes, 65–67
 - toilet rooms, 67–69
 - Acetate, 158, 164
 - Acid-curing formaldehyde finishes, 244, 245
 - Acid-etched glass, 149
 - Acknowledgment, 15, 19
 - Acoustical concrete masonry units, 91
 - Acoustic ceilings, 217, 219–223
 - Acoustic performance of buildings, 90–92
 - Acrylic(s), 136
 - carpets, 288
 - fiber, 158, 164
 - Acrylic-impregnated wood flooring, 246
 - Acrylonitrile-butadiene-styrene (ABS), 135
 - Action Office furniture, 5, 6
 - ADA, *see* Americans with Disabilities Act of 1990
 - ADAAG, *see* Americans with Disabilities Act Accessibility Guidelines
 - Addenda, 32
 - Additional Terms in Acceptance of Confirmation* (UCC 2-207), 27
 - Additives (paints), 189
 - Adhesives, ceramic tile, 235–236
 - Administrative law, 26
 - Agreement, 31
 - AIA A175™ID, 384–390
 - AIA A201, 31
 - AIA A275™ID, 31, 370–382
 - AIA B171™ID, 348–368
 - Air leakage, 87
 - Alkalinity test (flooring), 228, 229
 - Alkyds, 137, 140
 - Alkyd paint, 190–191
 - Alloy 400, 112
 - Alloys, 80
 - Aluminum, 109–111
 - Aluminum doors/frames, 299
 - American National Standards Institute (ANSI), 46
 - American Society for Testing and Materials (ASTM), 46
 - American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE), 331, 333
 - Americans with Disabilities Act Accessibility Guidelines (ADAAG), 68, 69, 224
 - Americans with Disabilities Act (ADA) of 1990, 64, 65. *See also* Accessibility regulations
 - American Type Founders offices, 2
 - Anchor hinges, 300, 301, 303
 - Annealing, 143
 - Anodizing, 110
 - ANSI (American National Standards Institute), 46
 - Antireflective glass, 149–150
 - Appearance retention (carpets), 286
 - Application rate (paints), 197
 - Aramids, 158–158
 - Architectural and Transportation Barriers Compliance Board (ATBCB), 39–41
 - Architectural Woodwork Institute (AWI), 307
 - Asbestos, 157
 - ASHRAE, *see* American Society of Heating, Refrigerating and Air Conditioning Engineers
 - ASTM (American Society for Testing and Materials), 46
 - ATBCB, *see* Architectural and Transportation Barriers Compliance Board
 - Austenitizing, 114
 - AWI (Architectural Woodwork Institute), 307
 - Axminster carpets, 269, 273, 274
- B
- Babbage, Charles, 162
 - Backed sheet vinyls, 255, 256, 258
 - Bamboo flooring, 247
 - Base buildings, 1, 7
 - Basic Building Code*, 42
 - Bathrooms, accessibility for, 66–69
 - Bathtubs, accessibility for, 70
 - BCF yarns, *see* Bulked continuous filament yarns
 - BEES, *see* Building for Environmental and Economic Sustainability
 - Benedict nickel, 112
 - BHMA (Builders Hardware Manufacturers Association), 105
 - Bidding requirements, 30
 - Bid form (FF&E vendors), 15, 16
 - BIFMA (Business and Institutional Furniture Manufacturers Association), 46
 - Bill of lading, 21, 23
 - Blackout linings, 341, 342
 - Blending (fibers), 153, 154
 - Blinds, 335–339
 - BOCA (Building Officials and Code Administrators International), 42
 - BOCA National Building Code, 42
 - BOMA, *see* Building Owners and Managers Association
 - BOMA method, 8
 - Book match veneer, 128, 132
 - Bored locks, 304
 - Brass, 110, 111
 - Bronze, 110
 - Builders Hardware Manufacturers Association (BHMA), 105
 - Building codes, 41–44

- Building for Environmental and Economic Sustainability (BEES), 99–101
 - Building gross area, 7
 - Building Officials and Code Administrators International (BOCA), 42
 - Building Owners and Managers Association (BOMA), 7, 46
 - Building standard, 7
 - Building systems, 75–85
 - heating and cooling, 82–85
 - structural, 76–82
 - Bulked continuous filament (BCF) yarns, 151, 153
 - Business and Institutional Furniture Manufacturers Association (BIFMA), 46
 - Butt hinges, 300, 301
 - Butt master carriers, 342
- C
- Calcium chloride moisture test, 226–227
 - Calendering, 199, 202
 - Calfskin, 167, 168
 - California Technical Bulletin 133 (Cal Tech 133), 58, 59
 - Carbon steel, 112
 - Carding fibers, 154
 - Carpet and carpet tile, 223, 268–297
 - cushioning, 293, 294
 - fiber characteristics, 287–291
 - fusion-bonded, 273, 275
 - hand knotted, 276–281
 - hand tufted, 275–276
 - installation, 291–293
 - knitted, 277, 282
 - needlepunched, 277, 279, 282
 - performance, 281, 282, 284–287
 - pile types, 279–281, 283
 - specification checklist, 295–297
 - tufted, 268–200, 272
 - woven, 269, 271, 273, 274
 - Carpet construction, 268
 - Carrier, 20
 - Cascades, 341
 - Casements, 341
 - Casework, 307–311
 - Casters, 317
 - Cast glass, 148
 - Cast metals, 104
 - Cast steel, 80
 - Catalyzed lacquers, 131
 - Cattle hide, 167, 168
 - Ceiling finishes, 216–223
 - acoustic, 217, 219–223
 - glass reinforced gypsum, 216–218
 - Ceiling Sound Transmission Class (CSTC) value, 91
 - Cellular floor systems, 330, 331
 - Cellulosics, 136
 - Center pivots, 300
 - Ceramic frit glass, 149
 - Ceramic mosaic tiles, 230, 231
 - Ceramic tile, 229–240
 - installation, 232–238
 - load-bearing performance, 237
 - specification checklist, 239–240
 - types of, 230–232
 - Certified Forests Products Council, 126
 - Change directives, 32
 - Change orders, 32
 - Chemical finishes (metal), 107–109
 - Chemical welding (vinyl flooring), 259
 - China grass, 156
 - Cigarette Ignition Resistance Test for Furniture Composites, 55 – 58
 - Circulation paths, 65
 - CMUs, *see* Concrete masonry units
 - Coatings:
 - for construction materials, 185–199
 - for fabrics, 166
 - for metals, 108, 109
 - for wallcoverings, 208
 - for walls, 183, 193–199
 - Codes:
 - building, 41–44
 - fire, 44–45
 - UCC, Article 2, 392–401
 - Cold-rolled steel, 80
 - Colorfastness (carpets), 284
 - C.O.M. (customer's own material), 16, 323
 - Commercial contracts:
 - construction, 9, 11–14
 - standard, 30–32
 - Commercial interiors, 1–6
 - contract documents for, 9–24
 - measuring office space, 7–8
 - standard contract forms, 30–32
 - Commercial law warranties, 26, 27, 29
 - Commercial office space, measuring, 7–8
 - Commercial Standard CS22-40, 105
 - Common carriers, 20
 - Common law, 25
 - Communications cabling (for systems furniture), 327–331
 - Composite panels, wood, 120–125
 - Compression modulus (foam), 322
 - Concealed grid ceiling systems, 219
 - Concrete masonry units (CMUs), 91, 179
 - Concrete structural materials, 81–82
 - Condensation, 88
 - Conditions of the contract, 31
 - Conduction, 86, 87, 334
 - Constitutional law, 22, 25
 - Construction assemblies:
 - door assemblies, 55, 56
 - flammability standards for, 47–50
 - wall and ceiling or floor and ceiling assemblies, 54–55
 - Construction categories, 43

Construction-grade plywood, 120–122
 Construction materials, 173–305
 acoustic ceilings, 217, 219–223
 bamboo flooring, 247
 carpet and carpet tile, 268–297
 ceiling finishes, 216–223
 ceramic tile flooring, 229–240
 concrete, 81–82
 cork flooring, 263–265
 doors and door hardware, 297–305
 flammability standards for, 47–50
 floor finishes, 223–297
 glass reinforced gypsum, 216–218
 gypsum board, 173–181
 linoleum, 263, 264
 masonry, 78, 79
 paints and coatings, 183, 185–199
 plaster, 181–186
 plastic laminate flooring, 246–247
 resilient flooring, 264–268
 rubber flooring, 260–263
 steel, 79–81
 stone flooring, 247–254
 terrazzo flooring, 237–238, 240–242, 244
 upholstered wall systems, 211–216
 vinyl flooring, 254–260
 wallcoverings, 197, 199–212
 wall finishes, 173–216
 wood, 76–78
 wood flooring, 241, 243–246
 Construction Specifications Institute (CSI), 33
 Consumer Product Safety Act of 1972, 39
 Consumer Product Safety Commission (CPSC), 39, 40
 Continuous piece dyeing (carpets), 290
 Contract(s):
 AIA A175™ID, 384–390
 AIA A275™ID - 2003, 370–382
 AIA B171™ID, 348–368
 commercial construction, 9, 11–14, 26
 defined, 22
 FF&E, 11–24, 26. *See also* furniture, furnishings, and equipment contract
 laws affecting, 22, 25–26
 residential contract forms, 29–30
 sales, 26–28
 services, 26–28
 standard commercial contract forms, 30–32
 Contract carriers, 20
 Contract documents, 9–24, 30–32
 construction contract, 9, 11–14, 30, 32
 FF&E contract, 11–24, 26, 30, 31
 Contract law:
 commercial law warranties vs., 26, 27, 29
 for interiors projects, 22, 25–26
 UCC vs., 28
 Contract modifications, 32
 Convection, 86, 87, 334
 Convection hydronic systems, 83, 84
 Conversion varnishes, 134
 Cooktops, accessibility for, 72
 Copper, 110–113
 Corian, 310
 Cork flooring, 263–265
 Cotton, 155, 164
 Countertops, 309–310
 CPSC, *see* Consumer Product Safety Commission
 CRF, *see* Critical Radiant Flux
 Critical Radiant Flux (CRF), 47, 50–52
 Crocking (carpets), 284
 CSI (Construction Specifications Institute), 33
 CSTC (Ceiling Sound Transmission Class) value, 91
 Curtains, 340, 341
 Curtain walls, 79
 Customer's own materials, *see* C.O.M.
 Custom grade casework, 307, 308
 Cylindrical locks, 304

 D
 Damask, 163
 Dedicated circuits, 328
 Delamination (carpets), 284
 Delivery of goods, 20
 Denier, 155
 Density, foam, 322
 Department of Commerce (DOC), 40
 Department of Energy (DOE), 40
 Department of Housing and Urban Development (HUD), 40
 Department of Labor (DOL), 40
 Descriptive specifications, 33
 Designated circuits, 328
 Design-award-build, 13
 Design/build projects, 13, 14
 Design services contract (AIA B171), 348–368
 Dew point, 88–90
 DFT (dry film thickness), 197
 Diffusers, 5
 Dimension stone, 247–249
 Directional signs, 65
 Direct sales force, 14, 15
 Dishwashers, accessibility for, 72
 Division 1 - General requirements, 37
 DOC (Department of Commerce), 40
 DOE (Department of Energy), 40
 DOL (Department of Labor), 40
 Doors, 297–299
 flammability standards, 55, 56
 specification checklist, 304–305
 Door hardware, 299–304
 Drafting fibers, 154, 155
 Draperies, 340–345
 Drawings, 9, 32
 Drop shipment, 21

Dry film thickness (DFT), 197
Dry-set mortar and grout, 234

E

Economy grade casework, 308
Electrical wiring (for systems furniture), 327–331
Electric heating systems, 82–83
Electrolytes, 105
Elevators, accessibility for, 66, 67
Embodied energy, 95
Emissivity, 333
End match veneer, 128, 133
Energy, embodied, 95
Energy codes, 42
Engineered-wood flooring, 243
Environmental Preferable Products (EPP), 100–101
Environmental Protection Agency (EPA), 39, 40
Epoxies, 137
 adhesives, 235
 mortar and grout, 235
 wall coatings, 193
Epoxy-ester finishes, 245, 246
EPP, *see* Environmental Preferable Products
EVA, 142
Executive chairs, 317
Executive Office Group, 5
Exit devices, 304
Expansion joints (ceramic tile), 236
Exposed grid ceiling systems, 217, 219
Express warranties, 29
Extruded metals, 104, 105

F

Fabrics, *see* Textiles
Face weight (carpets), 282
Fair Housing Accessibility Guidelines (FHAG), 65–71, 73
Fair Housing Amendments Act (FHAA) of 1988, 64, 65
Fast-track construction, 13
Federal regulations, 39–41
Federal Trade Commission (FTC), 40
Ferrous metals, 104, 112, 114–116
FF&E contract, *see* Furniture, furnishings, and equipment contract
FHAA, *see* Fair Housing Amendments Act of 1988
FHAG, *see* Fair Housing Accessibility Guidelines
Fiber carpet cushions, 294
Fiberglass, 140
Fiberglass wallcoverings, 208, 210
Field finished (wood flooring), 243
Filament fibers, 151
Filament yarns, 151
File cabinets, 311–314
Fillers (vinyl flooring), 254
Finishes:
 ceiling, 216–223
 fabric, 165

 floor, 223–297
 gypsum board, 180–181
 for metals, 105, 107–108
 stone, 252
 wall, 173–216
 wood, 129–131, 134
 wood floors, 243–246
Fire codes, 44–45
Fire-rated glass, 145–146
Fire-resistant paints, 194
Flame-resistant fabrics/backings, 165–166
Flame-retardant paints, 193
Flame-spread index, 49, 50
Flammability regulations, 43
Flammability standards, 47–63
 for construction materials and assemblies, 47–50
 for door assemblies, 55, 56
 for fabric, 62, 64
 for floor coverings, 49–52
 for furnishings, 59, 61–63
 for furniture, 55–60
 for wall and ceiling or floor and ceiling assemblies, 54–55
 for wall finishes, 52–54
Flash cove, 254, 256
Flat sliced veneer, 128, 129
Flat wire, 330, 331
Flax, 156, 164
Flexible gypsum board, 174
Flitch, 127
Float glass, 142–143
Floor and ceiling assemblies, flammability standards for, 54–55
Floor finishes, 223–297
 bamboo, 247
 carpet and carpet tile, 268–297
 ceramic tile, 229–240
 cork, 263–265
 flammability standards for, 49–52
 linoleum, 263, 264
 plastic laminate, 246–247
 resilient flooring accessories, 264–266
 resilient flooring checklist, 266–268
 rubber, 260–263
 selection considerations for, 224–229
 stone flooring, 247–254
 terrazzo, 237–238, 240–242, 244
 vinyl, 254–260
 wood flooring, 241, 243–246
Flooring Radiant Panel Test, 50–52
Fluoroplastics, 136
F.O.B., 21
F.O.B. factory-freight prepaid, 21
F.O.B. place of destination, 21, 22
F.O.B. place of shipment, 21
Forced air HVAC units, 83–85
Forestry practices, 126
Forest Stewardship Council (FSC), 126

Forged metals, 105
 Formaldehyde, 126
 Formica, 138
 Free on board (F.O.B.), 21
 Free-standing furniture systems, 325, 326
 Frosted glass, 149
 FSC (Forest Stewardship Council), 126
 FTC (Federal Trade Commission), 40
 Full-grain leather, 170
 Full mortise hinges, 300, 301
 Fullness, drapery, 344
 Full Seating Test, 58–60
 Full surface hinges, 300, 302
 Fully tempered glass, 143, 144
 Furans, 137–138
 Furan mortar and grout, 235
 Furniture, furnishings, and equipment (FF&E) contract, 11–24
 AIA Document A175™ID, 384–390
 AIA Document A275™ID - 2003, 370–382
 delivery and installation, 20–24
 procurement, 14–20
 Furniture and furnishings, 307–346
 casework, 307–311
 file cabinets, 311–314
 flammability standards, 55–63
 seating, 314–325
 shading from solar heat gain, 331–346
 systems furniture, 325–331
 window treatments, 331–346
 Furniture dealer, 14
 Fusion-bonded carpet, 273, 275

G
 Gage (gauge):
 of metals, 105, 106
 of tufted carpet, 268–269
 Galvani, Luigi, 105
 Galvanic corrosion, 105
 Galvanic scale, 105, 107
 Galvanizing, 112, 114
 Gels, 140
 Gel coat, 140
 General conditions, 31
General Conditions for the Contract for Construction (AIA A201), 31
General Conditions of the Contract for Furniture, Furnishings and Equipment (AIA A275), 31, 370–382
 Gestetner Furniture Company, 3
 Glass, 142–151
 antireflective, 149–150
 cast, 148
 as fiber, 160–161, 164
 fire-rated, 145–146
 float, 142–143
 frosted, 149
 heat-treated, 143–144
 laminated, 146–148
 low-iron, 148
 safety, 144, 145
 sealing joints, 150–151
 sustainability and environmental impact, 151
 used as railings, 150
 wired, 145
 Glass reinforced gypsum (GRG), 216–218
 Glazed tiles, 230
 Glazing, fire-rated, 145–146
 Glides, 317–318
 Goods, defined, 26
 Gottfried, David A., 101
 Granite floors, 249–250
 Green buildings, 94, 101–104
 Green design, 94
 Greenguard Environmental Institute, 101
 Greige, 290
 GRG, *see* Glass reinforced gypsum
 Grilles, 5
 Grout, 233–235
 Guest chairs, 316
 Gypsum board, 173–181
 Gypsum board plaster base, 174
 Gypsum plaster, 183
 Gypsum veneer plaster, 183

H
 Half mortise hinges, 300, 301
 Half surface hinges, 300, 302
 Hand knotted carpet, 276–281
 Hand tufted carpet, 275–276
 Hardboard, 125
 Hard flooring, 223
 Hardwood, 114, 116, 117
 Hardwood veneer plywood, 121–123
 Healthy Building Network, 94, 95, 97
 Heating and cooling systems, 82–85
 Heat-strengthened glass, 144
 Heat transfer, 86–87
 Heat-treated glass, 143–144
 Heat-welded seams (vinyl flooring), 256, 258, 259
 Heavy timer, 77–78
 High pressure decorative laminates (HPDLs), 138, 139, 309–310
 Hinges, door, 300–303
 Hollow metal door frames, 299
 Home Insurance Building, 2
 Homogeneous floorings:
 rubber, 260–261
 vinyl, 254–256, 258, 259
 Honed stone, 252
 Horizontal louver blinds, 335–337
 Hot-rolled steel, 80
 Howe, George, 3
 HPDLs, *see* High pressure decorative laminates
 HUD (Department of Housing and Urban Development), 40

Hydronic heating and cooling systems, 83–85

I

IBC, *see* International Building Code
ICBO (International Conference of Building Officials), 42
ICC, *see* Interstate Commerce Commission
IFD (Indentation Force Deflection), 322
IFMA (International Facility Management Association), 8
Impervious tile, 229
Implied warranties, 29
 of fitness for a particular purpose, 29
 of merchantability, 29
Indentation Force Deflection (IFD), 322
Indoor air quality requirements, 43
Ingeo, 160
Interiors projects, 1–37
 base building, 7
 commercial construction contract, 9, 11–14
 contract documents, 9–24
 contract law vs. commercial law warranties, 26, 27, 29
 FF&E contract, 11–24
 history of, 2–6
 laws affecting contracts, 22, 25–26
 measuring commercial office space, 7–8
 residential contract forms, 29–30
 sales contracts, 26–28
 services contracts, 26–28
 specifications, 32–37
 standard commercial contract forms, 30–32
 tenant improvements, 7
 warranties in, 29
International Building Code (IBC), 42, 44
International Conference of Building Officials (ICBO), 42
International Facility Management Association (IFMA), 8
International Standards Organization (ISO), 46
Interstate Commerce Commission (ICC), 20, 40
Interzone Attenuation and Articulation Class (AC), 92
Intumescent coatings, 193–194
Invoice, FF&E, 16, 20
Iron, 112
ISO (International Standards Organization), 46
Italiano, Michael L., 101

J

Jacquard, Joseph Marie, 162
Jacquard loom, 162
Jenney, William LeBaron, 2
Jet beck dyeing (carpets), 290
Johnson Wax headquarters building, 3, 4
Joints, glass, 150–151
Jute, 156

K

Kapok, 156
Kevlar, 158–158

"Key Questions for Environmentally Preferable Building
Material Selection" (Healthy Building Network), 95–97
Kitchens, accessibility for, 70–73
Knitted carpet, 277, 282

L

Lacquers, 130, 131
Lamb's wool, 157
Laminated glass, 146–148
Laminated rubber floorings, 261
Laminated wood structures, 77, 78
Latches, door, 304
Latex coating (wallcoverings), 208
Latex paint, 191–192
Latex-Portland cement mortar and group, 235
Lavatories, accessibility for, 69
Laws affecting contracts, 22, 25–26
Leadership in Energy and Environmental Design (LEED)
 standards, 101–104
Lease, 7
Leather, 151, 167–171
Leaves, veneer, 127, 128
Le Corbusier, 3
LEED for Commercial Interiors (LEED-CI), 102–104
LEED standards, *see* Leadership in Energy and Environmental
 Design standards
Lescage, William, 3
Life Safety Code (NFPA 101), 44–46
Light-gage steel frames, 80, 81
Limestone floors, 250, 251
Linings, drapery, 341
Linoleum, 263, 264
Local regulations, 42–43
Locks, door, 304
Loewy, Raymond, 3
Low-emissivity (low-E) surfaces, 333, 334
Low-iron glass, 148
Low pressure laminates, 138

M

Management chairs, 316, 317
Marble floors, 250, 251
Masonry, 79
Masonry structural materials, 78, 79
MasterFormat, 33
Materials, 93–171
 construction, *see* Construction materials
 glass, 142–151
 for green buildings, 101–104
 leather, 151, 167–171
 metals, 104–116
 plastics, 134–142
 sustainability of, 94–101
 textiles, 151–167
 wood, 114, 116–134
Mattresses and Mattress Pads test, 61, 62

MDF, *see* Medium density fiberboard
Measuring commercial office space, 7–8
Mechanical finishes (metal), 107, 109
Medium density fiberboard (MDF), 123, 124
Melamines, 138–140
Mercerized cotton, 155
Merchandise Mart, 5
Merchant, 27, 29
Metals, 104–116
 cast, 104
 dissimilar, 105–107
 extruded, 104, 105
 ferrous, 104, 112, 114–116
 finishes for, 105, 107–108
 forged, 105
 nonferrous, 104, 109–113
 wrought, 105
Metal decking, 81
Metal Finishes Manual (AMP), 105
Methenamine Pill Test, 39, 49–51
Mildew, 88
Miller, Herman, 3
Model building codes for accessibility, 67
Modified epoxy mortar and grout, 235
Moisture, 87–90, 225–229
Moisture-cured urethanes, 245
Moisture-resistant gypsum board, 174
Mold, 88
Monel, 112
Mortars, 233–235
Mortise locks, 304
Multicolor coatings, 194–195
Municipal regulations, 42

N

National Association of Architectural Metal Manufacturers (NAAMM), 105
National Building Code (1905), 42
National Electrical Manufacturers Association (NEMA), 138
National Fire Protection Association (NFPA), 44, 46
National Terrazzo and Mosaic Association (NTMA), 241
Natural fibers, 151, 155–158
The Natural Step (TNS) concept, 94
Needlepunched carpet, 277, 279, 282
NEMA (National Electrical Manufacturers Association), 138
NEOCON trade show, 5
New Expo of Contract Furniture (NEOCON) trade show, 5
NFPA, *see* National Fire Protection Association
NFPA 101 *Life Safety Code*, 44–46
Noise isolation, 91–92
Noise Reduction Coefficient (NRC), 90
Nomex, 158
Nominal size (wood studs), 77
Noncatalyzed lacquers, 130, 131
Nonferrous metals, 104, 109–113
Nonvitreous tile, 230

NRC (Noise Reduction Coefficient), 90
NTMA (National Terrazzo and Mosaic Association), 241
Nylon, 136, 159, 160, 164
Nylon carpets, 288

O

Occupancy designations, 43
Offer and Acceptance in Formation of Contract (UCC 2-206), 26, 27
Office seating, 314–318
Offset pivots, 300
Oil-based paint, 190
Oil-modified polyurethanes, 246
Olefin fibers, 160, 164
One-way draw draperies, 342
Open beck dyeing (carpets), 290
Organic adhesives, 235–236
Oriented strand board (OSB), 125, 126
OSB, *see* Oriented strand board
Oscillatory Cylinder Method, 163, 165
Overlap master carriers, 342

P

Packing list, 21, 24
PageFormat, 35–37
Paints, 183, 185–193, 196–199
 ingredients in, 185–192
 for metals, 108, 109
 quality of, 192–193
 specification checklist for, 198–199
Panel-supported furniture systems, 325–327
Paper backing (wallcoverings), 208
Parquet flooring, 241
Particleboard, 123–124, 126
Patina, copper, 110
Paver tiles, 230, 231
PBs (polybutylenes), 136
Performance-alteration backings/coatings, 166
Performance specifications, 33
Philadelphia Savings Fund Society Building, 3
Piece dyeing (carpets), 290
Pigments:
 paint, 186, 187
 vinyl flooring, 254
Pile density (carpets), 282, 284
Pile height (carpet), 269
Pill test, *see* Methenamine Pill Test
Pinch pleats, 344
Pitch (carpet), 273
Pivots, door, 299–300
PLA (poly lactide), 160
Place of shipment, 21
Plain sawn lumber, 116, 118
Plain sliced veneer, 128
Plain weave, 161, 162
Planks, wood, 241

Plasma vapor deposition (PVD), 109
Plaster, 82, 181–186
Plastics, 134–142

- components of, 134–135
- sustainability and environmental impact of, 140–142
- thermoplastics, 135–137
- thermosets, 137–141

Plasticizers, 134–135, 254
Plastic laminate flooring, 246–247
Plastic sheet test method, 226
Plastisol, 199
Pleated shades, 340, 342–343
Pleat to dimension, 345
Plenum, 216
Plumbing fixtures, accessibility for, 69–71
Plywood, 120–123, 126
Pocket hinges, 302, 303
Poke-through systems, 330, 331
Polished stone, 252
Pollution, buildings as source of, 93
Polybutylenes (PBs), 136
Polyesters, 140

- carpets, 288
- fibers, 160, 164
- finishes, 134

Polyethylenes, 136, 160
Poly lactide (PLA), 160
Polymers, 134
Polymerization, 134
Polyolefins, 136–137, 160
Polypropylenes, 136–137, 160
Polypropylene carpets, 288
Polystyrenes, 137
Polyurethane finishes, 134, 140
Polyurethane foam carpet cushions, 294
Polyvinyl butyral (PVB), 137, 142, 146
Polyvinyl chloride (PVC), 137, 141–142, 254
Pooling (carpets), 280
Portland cement mortar and grout, 233
Portland cement plaster, 183
Prebuilt casework, 308
Prefinished gypsum board, 174
Prefinished wood flooring, 246
Premium grade casework, 307
Pressure-treated lumber, 120
Primers, 211
Printed carpet, 290
Private carriers, 20
Probst, Robert, 6
Proprietary specifications, 32–33
Purchase order, 15, 17–18
Purchase order acknowledgment, 15, 19
PVB, *see* Polyvinyl butyral
PVC, *see* Polyvinyl chloride
PVD (plasma vapor deposition), 109

Q

Quarry tiles, 230, 232
Quarter sawn lumber, 116, 119
Quarter sliced veneer, 128, 130

R

Radiant electric heat, 83, 84
Radiant Flooring Panel Test, 47
Radiant hydronic floor systems, 84, 85
Radiation (heat), 86, 87, 334
Railings, glass, 150
Ramie, 156
Rayon, 158, 164
Receipt of goods, 20
Recycled rubber floorings, 261–263
Reference standard specifications, 33
Refrigerators, accessibility for, 72
Registers, 5
Regular gypsum board, 174
Regulations:

- accessibility, 64–73
- federal, 39–41
- municipal, local, and state, 42–43

Rehabilitation Act of 1973, 65
Relative humidity probe method, 227–229
Rentable area, 7, 8
Repeat (in patterns), 322
Residential interiors:

- contract documents for, 9
- contract forms for, 29–30

Resilient flooring, 223, 264–268

- accessories, 264–266
- checklist for, 266–268
- cork flooring, 263–265
- rubber flooring, 260–263
- vinyl flooring, 254–260

Resins (in paints), 189–192
Return (draperies), 342
Rift cut veneer, 128, 131
Rift-sawn lumber, 119
Robert, Karl-Henrik, 94
Rohe, Gilbert, 5
Roller shades, 339, 340
Roll-in bathing units, accessibility for, 70, 71
Roll pleats, 345
Room Corner Test, 52–54
Rotary cut veneer, 128, 132
Routes, accessible, 65–67
Rubber, 158
Rubber flooring, 260–263
Run right, 322
R-value, 86, 87, 334

S

SAA, *see* Sound Absorption Average
Safety glass, 144, 145

Sag-resistant gypsum board, 174
 Sales contracts, 26–28
 Samples, 9
 Sateen weave, 163
 Satin weave, 161, 163
 SBCCI (Southern Building Code Congress International), 42
 SC, *see* Shading coefficient
 Sealers (wall), 211
 Seating, 314–325
 upholstered, 318–324
 for work, 314–318
 SectionFormat, 33–34, 37
 Selvages, 161
 Semivitreous tile, 230
 Sericulture, 157
 Services contracts, 26–28
 Shades, 339–341
 Shading, 331–346
 Shading coefficient (SC), 331–333
 Shaft wall systems, gypsum board, 176
 Sheet vinyls, 254–259
 Shop drawings, 9
 Showers, accessibility for, 70, 71
 Side chairs, 316
 Silicones, 140
 Silk, 156–157, 164
 Sinks, kitchen, 72
 Sisal, 156
 Sisal carpets, 289
 Sizing, 211
 Skein dyeing (carpets), 290
 Skyscrapers, 2, 3
 Slate flooring, 251, 252
 Slip match veneer, 128, 133
 Slip resistant flooring, 224
 Smoke density index, 49
 Smoke Density Test, 62, 63
 Soft floor covering, 223. *See also* Carpet and carpet tile
 Softwood, 114, 116, 117
 Solid surfacing materials, 310
 Solid wood, 116, 118–119, 241
 Solution dyeing (carpets), 289, 290
 Solvent-based resins, 190
 Sound Absorption Average (SAA), 90, 220
 Sound adsorption, 90–91
 Sound Transmission Class (STC), 220
 Southern Building Code Congress International (SBCCI), 42
 Space dyeing (carpets), 290
 Special-purpose tiles, 230, 232
 Specifications, 32–37
 formats for, 33
 information classification, 33
 section organization, 33–34, 37
 types of, 32–33
 Split leather, 170
 Sponge rubber carpet cushions, 294
 Spring hinges, 301, 303
 Spun yarns, 151
 Square footage calculations, 8
 Stabilizers (plastics), 134, 254
 Stack pleats, 345
 Stains, 129, 130
 Stainless steel, 114–116
 Stain resistance (of wallcoverings), 205
 Stain-resistant fabrics, 166–167
 Stall showers, accessibility for, 70
 Standards, 43, 45–47. *See also specific materials and assemblies*
 Standard Building Code, 42
 Standard commercial contract forms, 30–32
 Standard Form of Agreement Between Owner and Architect for Architectural Interior Design Services (AIA B171 ID), 348–368
 Standard Form of Agreement Between Owner and Vendor for Furniture, Furnishings and Equipment (AIA A175 ID), 384–390
 Standard lacquers, 130, 131
 Staple fibers, 151
 State regulations, 42–43
 Static generation (carpets), 284
 Statutes, 25
 Statutory law, 25
 STC (Sound Transmission Class), 220
 Steel, 112–116
 Steelcase, 2, 3
 Steel doors, 298–299
 Steel framing (gypsum board), 176–178
 Steel structural materials, 79–81
 Steiner Tunnel Test, 47–49
 Stock dyeing (carpets), 290
 Stone flooring, 247–254
 Storage, kitchen, 72
 Stoves, accessibility for, 72
 Strip flooring, 241
 Structural systems, 76–82
 concrete, 81–82
 masonry, 78, 79
 steel, 79–81
 wood, 76–78
 Subfloors, 224–225
 Suede, 170
 Sun Fire Insurance Company, 2
 Supplemental instructions, 32
 Supplementary conditions, 32
 Sustainable design, 93–94
 Swags, 341
 Swing clear hinges, 301, 303
 Synthetic fibers, 151, 158–161
 Systems furniture, 325–331

 T
 Task seating, 316
10 Books on Architecture (Vitruvius), 75

Tenant improvements, 7
Tenant improvement allowance, 7
Terrazzo flooring, 237–238, 240–242, 244
Textiles, 151–167
 fabric construction, 161–163
 fabric flammability standards, 62, 64
 fabric wear resistance, 163–167
 fibers of, 151–155
 natural fibers, 155–158
 sustainability and environmental impact, 167
 synthetic fibers, 158–161
Textile wallcoverings, 208
Thermal performance of buildings, 86–87
Thermal stone finishes, 252
Thermoplastics, 135–137
Thermosets, 135, 137–141
Thermoset decorative laminates, 138, 139
Thick-set tile installation, 232, 233
Thinner, paint, 187, 189
Thin-set tile installation, 232, 233
Thonet, Michael, 3
Title of goods, 20
TNS (The Natural Step) concept, 94
Toilet rooms, accessibility for, 66–69
Top-grain leather, 170
Total weight (carpets), 282
Transition strips (flooring), 236–238, 265–266
Transmitted heat energy, 331
Travertine flooring, 251
Triacetate, 158, 164
Tub/showers, accessibility for, 70
Tuft bind (carpets), 286
Tufted carpet, 268–200, 272
Twill weave, 161, 162
Type X gypsum board, 174

U
UCC, *see* Uniform Commercial Code
UFAS, *see* Uniform Federal Accessibility Standards
UL, *see* Underwriters Laboratories
Underfloor steel ducts, 330, 331
Underlayment, 224–225
Underwriters Laboratories (UL), 46–47
UNIFORMAT II, 10
Uniform Building Code, 42
Uniform Commercial Code (UCC), 26
 Article 2, 21, 392–401
 contents of, 28
 contract law vs., 28
 for delivery of goods, 20
 as statutory laws, 25
 warranties under, 29
Uniform Federal Accessibility Standards (UFAS), 67, 69–71, 73
Unisex toilets, 67
U.S. Green Building Council (USGBC), 101
Upholstered seating, 318–324

Upholstered wall systems, 211–216
Up-the-bolt, 322
Usable area, 8
USGBC (U.S. Green Building Council), 101
U-value, 86, 87

V
Vanities, accessibility for, 69
Vapor emission test, 226
Varnishes, 131, 134
VCT, *see* Vinyl composition tile
Velvet-woven carpet, 269
Veneers, wood, 126–133
Vertical Ignition Test, 59, 61
Vertical louver blinds, 337–339
Vinyls, 137
 flooring, 254–260
 wallcoverings, 197, 199–207
Vinyl composition tile (VCT), 258, 259
Virgin wool, 157
Vitreous tile, 229, 230
Vitruvius, 75
VOCs (volatile organic compounds), 190
Volatile organic compounds (VOCs), 190

W
Wagner, Otto, 3
Walls:
 curtain walls, 79
 upholstered wall systems, 211–216
Wall and ceiling assemblies, flammability standards for, 54–55
Wall base, 264, 265
Wallcoverings, 197, 199–212
 fiberglass, 208, 210
 mildew resistance of, 206–207
 preparing walls for, 211
 specification checklist for, 209–210
 stain resistance of, 205
 sustainability and environmental impact, 211, 212
 textile, 208
 vinyl, 197, 199–207
 wallpaper, 210–211
 wood veneer, 207–208
Wall finishes, 173–216
 flammability standards for, 52–54
 gypsum board, 173–181
 paints and coatings, 183, 185–199
 plaster, 181–186
 upholstered wall systems, 211–216
 wallcoverings, 197, 199–212
Wall liners, 211
Wallpaper, 210–211
Wall receptacles, 329
Warps, 161
Warranties, 26, 27, 29
Water-based polyurethanes, 246

Water-based resins, 191–192
Water closets, accessibility for, 69
Watermarking (carpet), 280, 281, 284
Waterproof membranes (ceramic tile), 237
Water vapor, 87
Wear resistance:
 carpets, 286
 fabrics, 163–167
Weaves, fabric, 161–163
Wefts, 161
WIC (Woodwork Institute of California), 307
Wilton carpets, 269, 272
Window treatments, 331–346
 blinds, 335–339
 draperies, 340–345
 for insulation from heat loss, 334
 shades, 339–341
 specification checklist for, 346
Wired glass, 145
Wire height (carpet), 273
Wood, 114, 116–134
 composite panels, 120–125
 finishing for, 129–131, 134
 hardwood, 114, 116, 117
 pressure-treated lumber, 120
 softwood, 114, 116, 117
 solid, 116, 118–119
 structural materials of, 76–78
 sustainability and environmental impact of, 126
 veneers, 126–133
Wood doors, 297, 298
Wood flooring, 241, 243–246
Wood materials, 116–134
Wood stud framing (gypsum board), 178–179
Wood veneer wallcoverings, 207–208
Woodwork Institute of California (WIC), 307
Wool, 157, 164
Wool carpets, 289
Wool Products Labeling Act, 157
Work letter, 7, 8
Woven carpet, 269, 271, 273, 274
Wright, Frank Lloyd, 3
Wrought metals, 105
Wyzenbeek Test, 163, 165

Y

Yarn count system, 155
Yarns, 151

Z

Zinc, 112
Zola, John C., 194