



**Overview of the Organization of the
2003 International Building Code
vs
2003 NFPA 5000**

A Chapter/Section Cross-Reference Guide

The following tables are provided to aid code users when comparing the 2003 International Building Code (IBC) to the 2003 NFPA 5000. The tables are intended to provide an overview for locating the corresponding provisions in the 2003 IBC vs 2003 NFPA 5000, and vice-versa. The tables are organized as follows:

Table 1: 2003 IBC/2003 NFPA 5000 Chapter Comparison

A side-by-side comparison of the chapter locations in the IBC to the corresponding chapters in NFPA 5000.

Table 2: 2003 NFPA 5000/2003 IBC Chapter Comparison

A side-by-side comparison of the chapter locations in NFPA 5000 to the corresponding chapters in the IBC.

Table 3: 2003 NFPA 5000 Occupancy Chapters Format (Chapters 16 - 30)

A comparison of section locations within the occupancy based chapters of NFPA 5000 to the corresponding sections/chapters in the IBC, organized by topic.

Table 1
2003 IBC/2003 NFPA 5000
Chapter Comparison

2003 IBC		2003 NFPA 5000	
Ch.	Title	Ch.	Title
1	Administration	1	Administration
2	Definitions	3	Definitions
3	Use and Occupancy Classification	6	Classification of Occupancy, Classification of Hazard Contents and Special Operations
		16-30	Individual Occupancy Chapters (See Tables 2 & 3)
4	Special Detailed Requirements Based on Use and Occupancy	6	Classification of Occupancy, Classification of Hazard of Contents, and Special Operations
		31	Occupancies in Special Structures
		33	High-Rise Buildings
		34	High Hazard Contents
5	General Building Heights and Areas	7	Construction Types and Height and Area Requirements
6	Types of Construction	7	Construction Types and Height and Area Requirements
7	Fire Resistance Rated Construction	8	Fire Resistive Materials and Construction
8	Interior Finishes	10	Interior Finish
9	Fire Protection Systems	55	Fire Protection Systems and Equipment
10	Means of Egress	11	Means of Egress
11	Accessibility	12	Accessibility
12	Interior Environment	49	Interior Environment
13	Energy Efficiency	51	Energy Efficiency
14	Exterior Walls	37	Exterior Wall Construction
15	Roof Assemblies and Rooftop Structures	38	Roof Assemblies and Roof Structures
16	Structural Design	35	Structural Design
		39	Flood Resistant Design and Construction
17	Structural Tests & Special Inspections	40	Quality Assurance During Construction
18	Soils and Foundations	36	Soils, Foundations and Retaining Walls
19	Concrete	41	Concrete
20	Aluminum	42	Aluminum
21	Masonry	43	Masonry
22	Steel	44	Steel

Table 1
2003 IBC/2003 NFPA 5000
Chapter Comparison

2003 IBC		2003 NFPA 5000	
Ch.	Title	Ch.	Title
23	Wood	45	Wood
24	Glass and Glazing	46	Glass and Glazing
25	Gypsum Board and Plaster	47	Gypsum Board, Lath and Plaster
26	Plastic	48	Plastics
27	Electrical	52	Electrical Systems
28	Mechanical Systems	50	Mechanical Systems
29	Plumbing Systems	53	Plumbing Systems
30	Elevators and Conveying Systems	54	Elevators and Conveying Systems
31	Special Construction	32	Special Construction
32	Encroachments Into the Public Right-of-Way	13	Encroachments Into the Public Right-of-Way
33	Safeguards During Construction	14	Safeguards During Construction
34	Existing Structures, International Existing Building Code	15	Building Rehabilitation
35	Referenced Standards	2	Referenced Publications
Appendices		Appendices	
A	Employee Qualifications	-----	None
B	Board of Appeals	-----	None
C	Group U Agricultural Buildings	-----	None
D	Fire Districts	-----	None
E	Supplementary Accessibility Requirements	-----	None
F	Rodent Proofing	B	Vermin Proofing
G	Flood Resistant Construction	C	Flood Resistant Construction
H	Signs	-----	None
I	Patio Covers	-----	None
J	Supplementary Accessibility Requirements for Qualified Historic Buildings and Facilities	-----	None

**Table 2
2003 NFPA 5000/2003 IBC
Chapter Comparison**

2003 NFPA 5000		2003 IBC	
Ch.	Title	Ch.	Title
1	Administration	1	Administration
2	Referenced Publications	35	Referenced Standards
3	Definitions	2	Definitions
4	General	----	Varies by I-Code
5	Performance Based Option	----	ICC Performance Code
6	Classification of Occupancy, Classification of Hazard of Contents, and Special Operations	3	Use and Occupancy Classification
		4	Special Detailed Requirements Based on Use and Occupancy
		----	International Fire Code
7	Construction Types and Height and Area Requirements	5	General Building Heights and Areas
		6	Types of Construction
8	Fire Resistive Materials and Construction	7	Fire Resistance Rated Construction
9	Reserved	----	None
10	Interior Finish	8	Interior Finishes
11	Means of Egress	10	Means of Egress
12	Accessibility	11	Accessibility
13	Encroachments Into the Public Right-of-Way	32	Encroachments Into the Public Right-of-Way
14	Safeguards During Construction	33	Safeguards During Construction
15	Building Rehabilitation	34	Existing Structures, International Existing Building Code
Occupancy Chapters		Occupancy Group	
16	Assembly Occupancies	A	SEE TABLE 3
17	Educational Occupancies	E	
18	Day-Care Occupancies	E, I-4	
19	Health Care Occupancies	I-1, I-2	407 and TABLE 3
20	Ambulatory Health Care Occupancies	B, I-2	SEE TABLE 3

**Table 2
2003 NFPA 5000/2003 IBC
Chapter Comparison**

2003 NFPA 5000		2003 IBC	
Ch.	Title	Ch.	Title
Occupancy Chapters		Occupancy Group	
21	Detention and Correctional Occupancies	I-3	408 and TABLE 3
22	One- and Two-Family Dwellings	R-3	R-3: 4 stories or more International Residential Code: 3 stories or less
23	Lodging or Rooming House Occupancies	R-1, R-2	SEE TABLE 3
24	Hotels and Dormitory Occupancies	R-1, R-2	
25	Apartment Buildings	R-2	
26	Residential Board and Care Occupancies	I-1, R-4	
27	Mercantile Occupancies	M	
28	Business Occupancies	B	
29	Industrial Occupancies	F-1, F-2	
30	Storage Occupancies	S-1, S-2	
30	Storage Occupancies	S-1, S-2	
Ch.	Title	Ch.	Title
31	Occupancies in Special Structures	4	Special Detailed Requirements Based on Use and Occupancy
32	Special Construction	31	Special Construction ICC Bleacher Standard
33	High-Rise Buildings	4	Special Detailed Requirements Based on Use and Occupancy
34	High Hazard Contents	4	Group H: 414 - 418 Hazardous Materials
35	Structural Design	16	Structural Design
36	Soils, Foundations and Retaining Walls	18	Soils and Foundations
37	Exterior Wall Construction	14	Exterior Walls
38	Roof Assemblies and Roof Structures	15	Roof Assemblies and Rooftop Structures
39	Flood Resistant Design and Construction	16	1612 - Flood Loads
40	Quality Assurance During Construction	17	Structural Tests & Special Inspections
41	Concrete	19	Concrete
42	Aluminum	20	Aluminum
43	Masonry	21	Masonry
44	Steel	22	Steel

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45	Wood	23	Wood
46	Glass and Glazing	24	Glass and Glazing
47	Gypsum Board, Lath and Plaster	25	Gypsum Board and Plaster
48	Plastics	26	Plastic
49	Interior Environment	12	Interior Environment
50	Mechanical Systems	28	Mechanical Systems
51	Energy Efficiency	13	Energy Efficiency
52	Electrical Systems	27	Electrical
53	Plumbing Systems	29	Plumbing Systems
54	Elevators and Conveying Systems	30	Elevators and Conveying Systems
55	Fire Protection Systems and Equipment	9	Fire Protection Systems
Appendices		Appendices	
A	Explanatory Material	-----	IBC Commentary
B	Vermin Proofing	F	Rodent Proofing
C	Flood Resistant Construction	G	Flood Resistant Construction
D	Nonmandatory Informational References	-----	None

Table 3
2003 NFPA 5000 Occupancy Chapters Format (Chapters 16 - 30)

16 - Assembly	21 - Detention/Correctional	26- Residential Board/Care
17 - Educational	22 - One/Two Family	27 - Mercantile
18 - Day Care	23 - Lodging/Rooming House	28 - Business
19 - Health Care	24 - Hotels & Dormitories	29 - Industrial
20 - Ambulatory Health Care	25 - Apartments	30 - Storage

The chapters generally follow the following format, organized by topic (in bold). The significant exceptions are Chapters 22 & 26. To use this table, replace NFPA 5000 subsection “xx” with the corresponding NFPA 5000 occupancy chapter number.

2003 NFPA 5000			2003 IBC (key chapters/sections)
Subsection	Coverage	Comments	
xx.1	General Requirements		
1.1	Application	Existing bldgs. Ref Ch. 15 Some chapters include exceptions which limit the application of the chapter for specific occupancies or conditions.	101.2(2) Ch. 3
1.2	Multiple occupancies	Comply w/ this section and 6.2.	302.3
1.3	Classification of Occupancy	Comply w/ this section and Ch. 6.	Ch. 3
1.4	Classification of Hazard Contents	Ref to 6.3.2 Ref to Ch. 34	302 307, 414 - 418
1.5	Minimum Construction Requirements	Ref to Chs. 7, 8, 13, 14, 31, 35 - 40 Location w.r.t. level of exit discharge	Chs. 4, 5, 6, 7, 14 -18, 32, 33 Table 503
1.6	Occupant Load	Comply w/ this section and Table 11.3.1.2.	1004.1 (Table 1004.1.2)
1.7	Accessibility	Ref Ch. 12	Ch. 11

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2003 NFPA 5000			2003 IBC (key chapters/sections)
Subsection	Coverage	Comments	
xx.2	Means of Egress Requirements		
2.1	General	Comply w/ this chapter and Ch. 11.	1001, 1003, Ch. 10
2.2	Means of Egress Components	Doors Stairs Smokeproof enclosures Horizontal exits Ramps Exit passageways Fire escapes Alternating tread devices Areas of refuge Secondary means of escape	1008 1009, 1012, 1017, 1019, 1022 909.20 1021 1010 1020 3404 1009.10 1007.6 1025
2.3	Capacity of Means of Egress	Comply w/ this section and 11.3.	1004, 1005, 1016, 1024
2.4	Number of Exits	Comply w/ this section and 11.4.	1014, 1018
2.5	Arrangement of Means of Egress	Comply w/ this section and 11.5.	1007, 1013, 1014, 1016, 1024
2.6	Travel distance to Exits	Comply w/ this section and 11.6.	1015
2.7	Discharge from Exits	Comply w/ this section and 11.7.	1023
2.8	Illumination of Means of Egress	Comply w/ this section and 11.8.	1006
2.9	Emergency Lighting	Comply w/ this section and 11.9.	1006

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Subsection	Coverage	Comments	
xx.2	Means of Egress Requirements (Cont'd)		
2.10	Marking of Means of Egress	Comply w/ this section and 11.10.	1011
2.11	Special Provisions	Varies by occupancy: Ch. 16- Guards & railings Ch. 17- Rescue openings Ch. 18- Rescue openings Ch. 21- Doors and locking	1024, ICC Bleacher Standard 1025 1025 408.3, 408.4
xx.3	Protection		
3.1	Protection of Vertical Openings	Comply w/ this section and 8.12.	707
3.2	Hazardous Area Protection	Incidental uses Cooking facilities	302.1.1 Ch. 5 - International Mechanical Code
3.3	Interior Finish	Comply w/ this section and Ch. 10.	Ch. 8
3.4	Detection, Alarm & Communication Systems	Comply w/ this section and Ch. 55.	907, 908, Ch. 9
3.5	Extinguishing Requirements	Comply w/ this section and Ch.55.	903 - 906, Ch. 9
3.6	Corridors	Comply w/ this section and 8.4.	1016, 708
3.7	Subdivision of Building Spaces	Compartment/separation requirements	405.4, 407.4, 408.6, 708
Varies	Varies by Chapter	Ch. 21 - Subdivision of resident housing	408.7

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2003 NFPA 5000			2003 IBC (key chapters/sections)
Subsection	Coverage	Comments	
xx.4	Special Provisions		
4.1 4.2 4.3	Varies by Chapter	Ch. 16 - Life safety evaluation Chs. 17 - 21: Limited access bldgs. Underground bldgs. Ch. 22 - Townhouse separation Chs. 24 - 30: Limited access bldgs. Underground bldgs.	1024.6.2 903.2.10 405 R317 - International Residential Code 903.2.10 405
4.2 4.3	High rise	Ref to Ch. 33	403
Varies	Varies by Chapter	Ch.16 - Smoke protected seating Chs.17 - 18: Flexible/open plan bldgs. Chs. 19, 21: Non sprinklered existing building rehabilitation. Ch. 27 - Open air mercantile	1024, ICC Bleacher Standard 106.1.2 International Existing Building Code 1004.8
Varies	Varies by Chapter	Ch.16 - Stages, projection rooms Ch.27 - Mall buildings	410, 409 402
Varies	Varies by Chapter	Ch.16 - Special amusement buildings Ch. 27 - Bulk merchandising	411 309
Varies	Varies by Chapter	Ch.16 - Grandstands	ICC Bleacher Standard
Varies	Varies by Chapter	Ch. 16 - Folding and telescopic seating	ICC Bleacher Standard

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Subsection	Coverage	Comments	
xx.4	Special Provisions (cont'd)		
Varies	Varies by Chapter	Ch.16 - Airport loading walkways	None
xx.5	Building Services		
5.1	Utilities	Ref Chs. 49, 52, 53	Chs. 12, 27 and 29
5.2	HVAC	Ref Chs. 50 & 51	Chs. 28 and 13
5.3	Elevators, Escalators Conveyors	Ref Ch. 54	Ch. 30
5.4	Rubbish Chutes , Incinerators and Laundry Chutes.	Ref 8.17	707.13
5.5	Furnishings and Decorations	Ch. 17 - Educational occupancies	805
xx.6	Special type of structures under occupancy		
Varies	Varies by Chapter	Ch. 18 - Day care homes Ch. 29 - Aircraft servicing Ch.30 - Aircraft storage	305.2, 308.3.1, 308.5, IRC 412, Ch. 11 - International Fire Code 311.3. 412
xx.7	Special type of structures under occupancy		
	Grain/bulk storage	Ch. 30	415.7.1
xx.8	Special type of structures under occupancy		
	Parking structures	Ch. 30	406