Errata for
2009 Uniform Mechanical Code – 2nd Printing

The following is a list of changes that we found after the second printing of the 2009 Uniform Mechanical Code. These changes may or may not apply to your codebook. However, we do encourage you to check your codebook with this list to ensure that all the changes are updated. Thank you.

Chapter 8

Section 802.6.4 The table reference reads Table 8-10. Revise this reference to read: 8-11.

Section 803.1.8.1 The table reference reads Table 8-15. Revise this reference to read: 8-10.

Section 803.2 The table reference reads Table 8-10 through 8-14. Revise this reference to read: 8-11 through 8-19.

Section 803.2.18 The table reference reads Table 8-10 or 8-11. Revise this reference to read: 8-11 or 8-12.

Section 803.2.19 The table reference reads Table 8-10 and 8-11. Revise this reference to read: 8-11 and 8-12.

Section 803.2.19(5) The table reference reads Table 8-12. Revise this reference to read: 8-13.

Section 803.2.21 The table reference reads Table 8-11 and/or 8-13. Revise this reference to read: 8-12 and/or 8-14.

Incorrect numbers within tables in Chapters 8 and 13. Correct Table numbers in the body of text and Correct tables to match those found in 2006 and 2009 NFPA (Fuel Gas Code) as follows:

Table 8-5
Type B Double-Wall Gas Vent [NFPA 54: Table 13.1(a)]

		3			4			5			6			7		
		Appliance Input Rating in Thousands of Btu per Hour														
Height *H* (ft)	Lateral *L* (ft)	FAN		NAT	FAN		NAT	FAN		NAT	FAN		NAT	FAN		NAT
		Min	Max	Max	Min	Max	Max	Min	Max	Max	Min	Max	Max	Min	Max	Max
6	6	25	46	32	36	91	61	47	149	100	59	223	149	78	310	205

For SI units, 1 in. = 25.4 mm, 1 ft. = 0.305 m, 1,000 Btu/hr = 0.293 kW, 1 in.^{2} = 645 mm^2.

Table 8-5
Type B Double-Wall Gas Vent [NFPA 54: Table 13.1(a)] (continued)

		8			9			10			12			14		
		Appliance Input Rating in Thousands of Btu per Hour														
Height *H* (ft)	Lateral *L* (ft)	FAN		NAT	FAN		NAT	FAN		NAT	FAN		NAT	FAN		NAT
		Min	Max	Max	Min	Max	Max	Min	Max	Max	Min	Max	Max	Min	Max	Max
6	4	79	419	279	93	536	362	110	668	445	147	975	640	191	1338	880
50	0	0	1297	708	0	1730	952	0	2231	1195	0	3441	1825	0	4934	2550

For SI units, 1 in. = 25.4 mm, 1 ft. = 0.305 m, 1,000 Btu/hr = 0.293 kW, 1 in.^{2} = 645 mm^2.

Table 8-6
Type B Double-Wall Gas Vent [NFPA 54: Table 13.1(b)]

Height H (ft)	Lateral L (ft)	Vent Diameter – D (in.)														
		3			4			5			6			7		
		Appliance Input Rating in Thousands of Btu per Hour														
		FAN		NAT	FAN		NAT	FAN		NAT	FAN		NAT	FAN		NAT
		Min	Max	Max	Min	Max	Max	Min	Max	Max	Min	Max	Max	Min	Max	Max
50	10	NA	NA	NA	89	160	NA	118	292	186	162	461	292	203	671	420

For SI units, 1 in. = 25.4 mm, 1 ft. = 0.305 m, 1,000 Btu/hr = 0.293 kW, 1 in.^{2} = 645 mm^2.

Table 8-6
Type B Double-Wall Gas Vent [NFPA 54: Table 13.1(b)] (continued)

Height H (ft)	Lateral L (ft)	8			9			10			12		
		Appliance Input Rating in Thousands of Btu per Hour											
		FAN		NAT	FAN		NAT	FAN		NAT	FAN		NAT
		Min	Max	Max	Min	Max	Max	Min	Max	Max	Min	Max	Max
8	8	280	458	300	344	591	392	470	740	486	665	1089	715

Table 8-7
Masonry Chimney [NFPA 54-09: Table 13.1(c)]

Height H (ft)	Lateral L (ft)	3			4			5			6			7		
		Appliance Input Rating in Thousands of Btu per Hour														
		FAN		NAT	FAN		NAT	FAN		NAT	FAN		NAT	FAN		NAT
		Min	Max	Max	Min	Max	Max	Min	Max	Max	Min	Max	Max	Min	Max	Max
10	10	NA	NA	25	NA	NA	50	NA	NA	87	NA	NA	139	NA	NA	191
50	5	NA	NA	NA	NA	NA	NA	NA	NA	151	NA	NA	230	NA	NA	323

For SI units, 1 in. = 25.4 mm, 1 ft. = 0.305 m, 1,000 Btu/hr = 0.293 kW, 1 in.^{2} = 645 mm^2.

Table 8-8
Masonry Chimney [NFPA 54-09: Table 13.1(d)]

For SI units, 1 in. = 25.4 mm, 1 ft. = 0.305 m, 1,000 Btu/hr = 0.293 kW, 1 in.^{2} = 645 mm^2.

Table 8-9
Single-Wall Metal Pipe or Type B Asbestos Cement Vent [NFPA 54: Table 13.1(e)]

Height H (ft)	Lateral L (ft)	3	4	5	6	7	8	10	12
		Appliance Input Rating in Thousands of Btu per Hour							
		Maximum Appliance Input Rating in Thousands of Btu per Hour							
8	10	24	49	86	131	180	250	406	625
30	30	NA	NA	NA	NA	192	295	540	890
50	15	NA	NA	NA	200	292	407	705	1130

Table 8-150
Exterior Masonry Chimney [NFPA 54: Table 13.1(f)]

Vent Height H (ft)	Internal Area of chimney (in.^{2})							
	12	19	28	38	50	63	78	113
	Local 99% winter design temperature: 37°F or greater							

Table 8-101

Type B Double-Wall Vent [NFPA 54: Table 13.2(a)]

3	4	5	6	7
Appliance Input Rating Limits in Thousands of Btu per Hour				

For SI units, 1 in. = 25.4 mm, 1 in.^{2} = 645 mm^2, 1 ft. = 0.305 m, 1000 Btu per hr = 0.293 kW.

Table 8-101

Type B Double-Wall Vent [NFPA 54: Table 13.2(a)] (continued)

Vent Height *H* (ft)	Connector Rise *R* (ft)	8			9			10		
		Appliance Input Rating Limits in Thousands of Btu per Hour								
		FAN		NAT	FAN		NAT	FAN		NAT
		Min	Max	Max	Min	Max	Max	Min	Max	Max
30	2	105	535	282	129	679	360	155	840	439

For SI units, 1 in. = 25.4 mm, 1 in.^{2} = 645 mm^2, 1 ft. = 0.305 m, 1000 Btu per hr = 0.293 kW.

Table 8-101

Type B Double-Wall Vent [NFPA 54: Table 13.2(a)] (continued)

Vent Height *H* (ft)	Connector Rise *R* (ft)	12			14			16			18		
		Appliance Input Rating Limits in Thousands of Btu per Hour											
		FAN		NAT	FAN		NAT	FAN		NAT	FAN		NAT
		Min	Max	Max	Min	Max	Max	Min	Max	Max	Min	Max	Max
6	2 4 6												
8	2 4 6												
10	2 4 6												
15	2 4 6												
20	2 4 6												
30	2 4 6												
50	2 4 6												
100	2 4 6												

Table 8-112

Type B Double-Wall Vent [NFPA 54: Table 13.2(b)]

3	4	5	6	7
Appliance Input Rating Limits in Thousands of Btu per Hour				

Common Vent Capacity												
Vent Height *H* (ft)	Type B Double-Wall Common Vent Diameter – *D* (in.)											
	4			5			6			7		
	Combined Appliance Input Rating in Thousands of Btu per Hour											
	FAN +FAN	FAN +NAT	NAT +NAT	FAN +FAN	FAN +NAT	NAT +NAT	FAN +FAN	FAN +NAT	NAT +NAT	FAN +FAN	FAN +NAT	NAT +NAT
100	166	153	NA	297	263	NA	469	398	NA	726	633	464

For SI units, 1 in. = 25.4 mm, 1 in.^{2} = 645 mm^2, 1 ft. = 0.305 m, 1000 Btu per hr = 0.293 kW.

Table 8-112

Type B Double-Wall Vent [NFPA 54: Table 13.2(b)] (continued)

Vent Height *H* (ft)	Connector Rise *R* (ft)	8			9			10		
		Appliance Input Rating Limits in Thousands of Btu per Hour								
		FAN		NAT	FAN		NAT	FAN		NAT
		Min	Max	Max	Min	Max	Max	Min	Max	Max
6	3	279	361	247	344	462	316	468	574	385
8	2	293	353	228	360	450	292	492	560	355

Table 8-123

Masonry Chimney [NFPA 54: Table 13.2(c)]

3	4	5	6	7
Appliance Input Rating Limits in Thousands of Btu per Hour				

Table 8-123

Masonry Chimney [NFPA 54: Table 13.2(c)] (continued)

		Number of Appliances: Two or More								
		Appliance Type: Category I								
		Appliance Vent Connection: Type B Double-Wall Connector								
Vent Connector Capacity										
Vent Height *H* (ft)	Connector Rise *R* (ft)	Type B Double-Wall Vent Connector Diameter – *D* (in.)								
		8			9			10		
		Appliance Input Rating Limits in Thousands of Btu per Hour								
		FAN		NAT	FAN		NAT	FAN		NAT
		Min	Max	Max	Min	Max	Max	Min	Max	Max
30	3	125	746	317	152	968	418	182	1220	535

Table 8-134

Masonry Chimney [NFPA 54: Table 13.2(d)]

For SI units, 1 in. = 25.4 mm, 1 in.^{2} = 645 mm^2, 1 ft. = 0.305 m, 1000 Btu per hr = 0.293 kW.

Table 8-134

Masonry Chimney [NFPA 54: Table 13.2(d)] (continued)

Table 8-145

Single-Wall Metal Pipe or Type B Asbestos Cement Vent [NFPA 54: Table 13.2(e)]

Table 8-17
Exterior Masonry Chimney [NFPA 54: Table 13.2(g)]

Vent Height *H* (ft)	Internal Area of Chimney (in.^{2})							
	12	19	28	38	50	63	78	113
	Local 99% winter design temperature: 27°F to 36°F							
10	0	51	NA	NA	NA	210	225	265

Chapter 13

Table 13-23
Polyethylene Plastic Pipe [NFPA 54: Table 6.2(r)]

Designation:	SDR 9.33	SDR 11.00	SDR 11.00	SDR 10.00	SDR 11.00	SDR 11.00

Table 13-32
Semi-Rigid Copper Tubing [NFPA 54-09: Table 6.3(e)]

Nominal:	K & L:	1/4	3/8	1/2	5/8	3/4	1	1-1/4	1-1/2	2
	ACR:	3/8	1/2	5/8	3/4	7/8	1-1/8	1-3/8	–	–
Outside:		0.375	0.500	0.625	0.750	0.875	1.125	1.375	1.625	2.125
Inside:*		0.305	0.402	0.527	0.652	0.745	0.995	1.245	1.481	1.959
Length (ft.)		Capacity in Thousands of Btu per Hour								
20		352	727	1,480	2,580	3,670	7,830	14,100	22,200	46,300

Table 13-35
Corrugated Stainless Steel Tubing (CSST) [NFPA 54-09: Table 6.3(h)]

Flow Designation:	13	15	18	19	23	25	30	31	37	39	46	48	60	62
30	28	39	74	87	151	177	297	344	528	698	1,140	1,350	2,400	2,680

Table 13-36
Corrugated Stainless Steel Tubing (CSST) [NFPA 54-09: Table 6.3(i)]

Notes:
(1) Table does not include effect of pressure drop across the line regulator. Where regulator loss exceeds 1/2 psi (based on 13 in. w.c. outlet pressure), DO NOT USE THIS TABLE. Consult with regulator manufacturer for pressure drops and capacity factors. Pressure drops across a regulator may vary with flow rate.

Table 13-37
Corrugated Stainless Steel Tubing (CSST) [NFPA 54-09: Table 6.3(j)]

Flow Designation:	13	15	18	19	23	25	30	31	37	39	46	48	60	62
Length (ft)	Capacity in Thousands of Btu per Hour													
10	826	1,070	1,710	2,060	3,150	4,000	7,830	8,950	13,100	14,444	28,600	31,200	54,400	63,800

Table 13-38
Polyethylene Plastic Pipe [NFPA 54-09: Table 6.3(k)]

Length (ft)	Capacity in Thousands of Btu per Hour

Table 13-39
Polyethylene Plastic Pipe [NFPA 54-09: Table 6.3(l)]

Length (ft)	Capacity in Thousands of Btu per Hour

Table 13-40

Polyethylene Plastic Tubing [NFPA 54-09: Table 6.3(m)]

Nominal OD:	1/2	3/4
Designation:	SDR 7.00	SDR 11.00
Actual ID:	0.445	0.927
Length (ft)	Capacity in Thousands of Btu per Hour	
50	51	347

Chapter 17

Standards Table 17-1
Standards for Equipment and Materials

(Page 274) The year for standard UL 723 reads 2007. Revise the year to read 2008.

07.08.09

Appendix A No. 6-2

Standard for Metal Ducts

Reference Information: Paragraph references first edition. Correct to read as follows:
Based on the second edition, 1995 HVAC Duct Construction Standards, Metal and Flexible, published by the Sheet Metal and Air Conditioning Contractors National Association.

06.08.09