



# **COST SCHEDULE**

**2017**

Prepared by :

**TECHNICAL SERVICES DIVISION**

2017 COST SCHEDULE

City and County of San Francisco  
Department of Building Inspection



Edwin M. Lee, Mayor  
Tom C. Hui, S.E., C.B.O., Director

**2017 Cost Schedule**

To All San Francisco Building Permit Applicants and Interested Parties:

Attached is the 2017 Cost Schedule of Building Valuation Data for use in calculating a building's valuation for Building Permits in the City and County of San Francisco. This schedule is effective when issued by Director. A valuation based on this table represents the valuation at the completion of all construction work authorized by a building permit. Permit fees are based on a percentage of this valuation. These valuations are not to be used as accurate guides to the actual cost of construction; for actual construction cost estimates for any project please consult a contractor, a design professional or a cost estimator.

This schedule will be updated by DBI's Technical Services Division on an annual basis or as otherwise directed by the Building Inspection Commission in accordance with the San Francisco Building Code Section 107A.2. The valuation data is based on information provided by a variety of sources, including without limitation, local contractors, design professionals, cost estimators or nationally published construction cost data books or websites.

For additional information on this schedule, please contact Technical Services Division at (415) 558-6250.

Sincerely yours,

A handwritten signature in blue ink that reads "Tom C. Hui".

Tom C. Hui, S.E., C.B.O.  
Director

Date: 8/16/17

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**SECTION**

**I**

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**GENERAL NOTES**

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- 1 This schedule is to be used in calculating a building's valuation for building permits and related fees posted in the City and County of San Francisco  
A valuation based on this table represents the valuation at the completion of all construction work authorized by a building permit. Permit fees are based on a percentage of this valuation. These valuations are not to be used as accurate guides to the actual cost of construction; for actual construction cost estimates for any project please consult a contractor, a design professional or a cost estimator.
  
- 2 Building permit, building plan review fees and other related fees shall be based on the date of permit application, adjusted based on subsequent revisions. Building floor area shall be calculated in accordance with the definitions contained in Chapter 2 of the San Francisco Building Code.
  
- 3 This schedule is updated each year, or as otherwise directed by the Building Inspection Commission. The valuation data is based on information provided by a variety of sources, including without limitation, local contractors, design professionals, cost estimators or nationally published construction cost data books or websites.
  
- 4 All unit prices are based on the gross floor area, unless noted otherwise.
  
- 5 Add caisson or pile cost by footage plus set-up cost
  
- 6 Where applicable, interpolate for intermediate values.

**SECTION**

**II**

**TENANT IMPROVEMENT**

- 1 Estimated construction costs for all occupancies, except R occupancies, are presumed to be without tenant improvements (core and shell).
  
- 2 Special costs (bank safe, mahogany paneling, marble finish, etc.) are to be added to the tenant improvement or site permit addendum costs.
  
- 3 The total cost of tenant improvement for first time improvement in a new nonresidential building shall be calculated when the tenant improvement application or site permit addendum is submitted per square foot of gross floor area at ..... **\$126.74**

(This includes partitions, finishes, ceilings, mechanical, plumbing and electrical.

Deduct the following itemized costs if such work are excluded.)

	<b>Unit</b>	<b>Amount</b>
<b>(i)</b> Partitions	per sq. ft.	\$31.68
<b>(ii)</b> Finishes	per sq. ft.	\$33.80
<b>(iii)</b> Ceilings	per sq. ft.	\$15.84
<b>(iv)</b> Non-residential mechanical and plumbing work (or may be computed on an item-by-item basis as detailed in this Cost Schedule).	per sq. ft.	\$29.57
<b>(v)</b> Non-residential electrical work (lighting, distribution & control, including low voltage)	per sq. ft.	\$15.84

- 4 The cost of removal of non-bearing partitions shall be calculated per square foot basis at..... \$6.34

2017 COST SCHEDULE

**SECTION  
III**

**SEISMIC RETROFIT**

	<b>Unit</b>	<b>Amount</b>
<b>1</b> For Bldg. originally constructed before 1917:	per sq. ft.	\$62.81
<b>2</b> For Bldg. originally constructed between 1917 and May 31,1973 and:		
(A) less than 1171 sq. ft. in total floor area:	per sq. ft.	\$51.96
(B) 1171 sq. ft. or more in total floor area:		
Unreinforced Masonry	per sq. ft.	\$28.57
Wood Light Frame or Wood	per sq. ft.	\$28.57
Precast Concrete Tilt Up Walls or Reinforced Masonry with Metal or Wood Diaphragm	per sq. ft.	\$28.57
Concrete Moment Frame or Concrete Frame with Infill Concrete Shear Walls	per sq. ft.	\$37.33
Steel Moment Frame	per sq. ft.	\$28.57
Steel Braced Frame or Steel Light Frame	per sq. ft.	\$17.90
Steel Frame with Infill Concrete Shear Walls	per sq. ft.	\$45.62
Concrete Shear Wall or Precast Concrete Frame with Concrete Shear Walls or Reinforced Masonry with Precast Concrete Diaphragm or Steel Frame with Concrete Shear Walls	per sq. ft.	\$28.57
<b>3</b> For Bldg. originally constructed after May 31,1973 and:		
(A) less than 1171 sq. ft. in total floor area:	per sq. ft.	\$51.96
(B) 1171 sq. ft. or more in total floor area:		
Unreinforced Masonry	per sq. ft.	\$11.88

2017 COST SCHEDULE

**III (Continued)**

	<b>Unit</b>	<b>Amount</b>
Wood Light Frame or Wood	per sq. ft.	\$11.99
Precast Concrete Tilt Up Walls or Reinforced Masonry with Metal or Wood Diaphragm	per sq. ft.	\$11.99
Concrete Moment Frame or Concrete Frame with Infill Concrete Shear Walls	per sq. ft.	\$36.86
Steel Moment Frame	per sq. ft.	\$11.99
Steel Braced Frame or Steel Light Frame	per sq. ft.	\$11.99
Steel Frame with Infill Concrete Shear Walls	per sq. ft.	\$45.62
Concrete Shear Wall or Precast Concrete Frame with Concrete Shear Walls or Reinforced Masonry with Precast Concrete Diaphragm or Steel Frame with Concrete Shear Walls	per sq. ft.	\$11.99

NOTES:

1. Seismic retrofits in this section include both foundation and superstructure and do not include architectural remodeling, disabled access improvements, hazardous material disposal, or historical building factors.
2. Unit prices are based on the gross floor area.
3. Multiply the above unit cost by 1.5 for floor at the ground level.
4. For foundation retrofit only, use unit cost for excavation, reinforced concrete and drilled dowels with epoxy in Section V.

2017 COST SCHEDULE

**SECTION  
IV**

**FIRE PROTECTION SYSTEMS**

	<b>Unit</b>	<b>Amount</b>
Emergency Communication System (ECS)	per floor	\$5,280.63
Emergency Responder Radio Coverage System (ERRCS)	each	\$105,612.63
Emergency Evacuation Maps	each	\$422.45
<b>Fire Alarm Systems:</b>		
<b>Fire Alarm Systems (New)</b>		
Addressable Fire Alarm System with Horn (New)	per sq. ft.	\$6.34
Addressable Fire Alarm System with Speaker (New)	per sq. ft.	\$7.39
Conventional (Zoned) Fire Alarm System (New)	per sq. ft.	\$5.28
<b>Fire Alarm System Components for new construction (including wiring and conduit):</b>		
FACP Installation + Programing (Conventional)	each	\$1,056.13
FACP Installation + Programing (Addressable up to 256 Points)	each	\$2,112.25
FACP Installation + Programing (Addressable up to 512 Points)	each	\$4,224.51
Addressable System Node or Transponder Installation + Programing	each	\$2,112.25
Remote/Booster power supply Installation + Programing	each	\$1,584.19
Remote LCD Annunciator Installation + Programing	each	\$844.90
Remote LED Annunciator Installation + Programing up to 50 LEDs	each	\$1,584.19
Remote LED Annunciator Installation + Programing up to 100 LEDs	each	\$2,640.32
Graphic Annunciator (Custom made) Installation + Programing	each	\$4,224.51
Smoke/Heat Detector	each	\$633.68
Duct Detector	each	\$1,584.19
Monitor/Control Module	each	\$528.06
Manual pull station	each	\$422.45



2017 COST SCHEDULE

**IV (Continued)**

	<b>Unit</b>	<b>Amount</b>
Horn	each	\$528.06
Strobe	each	\$528.06
Horn/Strobe	each	\$633.68
Speaker	each	\$633.68
Speaker/Strobe	each	\$633.68
Remote test switch for duct detector	each	\$528.06
Remote indicator for duct detector	each	\$528.06
Door Holder	each	\$422.45
FA Bell	each	\$316.84
Fire Alarm Retrofit (including wiring and conduit) :		
Initiating device	each	\$633.68
Notification appliance	each	\$528.06
Control unit or power supply (including programming)	each	\$2,112.25
Fire Extinguisher Systems:		
Clean Agent Suppression System	each	\$31,683.79
Preaction Sprinkler System (Add cost of sprinkler per Section II)	each	\$21,122.53
Fire Pump:		
500 GPM	each	\$80,065.46
750 GPM	each	\$85,472.71
1000 GPM	each	\$100,164.37
1500 GPM	each	\$119,699.08
2000 GPM	each	\$130,026.60
3000 GPM	each	\$224,908.32

2017 COST SCHEDULE

**IV (Continued)**

	Unit	Amount
Fire Sprinkler Systems:		
Sprinkler System		
10,000 s.f. or less	per sq. ft. of floor area	\$7.22
20,000 s.f.	per sq. ft. of floor area	\$6.02
50,000 s.f. or more	per sq. ft. of floor area	\$4.62
New sprinkler system including new pipes	per head	\$546.26
Sprinkler system with existing pipes	per head	\$211.23
Standpipe System	per lin. ft.	\$1,267.35
Underground Sprinkler System Service:		
2"	per lin. ft.	\$422.45
4"	per lin. ft.	\$528.06
6"	per lin. ft.	\$633.68
8"	per lin. ft.	\$844.90
Firefighter Air Replenishment System (FARS)		
Base cost for FARS	each	\$316,837.88
Add cost for each story	per floor	\$10,561.26
Smoke/Carbon Monoxide Alarm, hard wired with battery back up	each	\$158.42
Smoke/Carbon Monoxide Detector	each	\$316.84

2017 COST SCHEDULE

**SECTION**

**V**

**GENERAL ITEMS APPLICABLE TO ALL OCCUPANCIES:**

	<b>Unit</b>	<b>Amount</b>
Asphalt Paving	per sq. ft.	\$5.09
Automatic Teller Machines:	each	\$41,653.62
Awning:	per sq. ft.	\$36.01
<hr/>		
Barrette piles		
12"	per lin. ft.	\$55.34
24"	per lin. ft.	\$110.68
48"	per lin. ft.	\$221.36
<hr/>		
Caissons:	1. Set-up Cost - 12" to 36" 2. Add cost per lineal foot of caisson	\$14,111.11
	Size	Concrete with Steel Casing
	12" dia.	\$72.10 \$87.90
	16" dia.	\$96.13 \$117.20
	24" dia.	\$144.19 \$175.79
	36" dia.	\$216.29 \$263.69
<hr/>		
Concrete block walls (standard):	per sq. ft. of wall	\$20.84
Ornamentation: Add for	Stucco or facing:	per sq. ft. of ornamented area \$6.94
	Veneer or tile:	per sq. ft. of ornamented area \$25.93
	Terra cotta:	per sq. ft. of ornamented area \$56.38
	Marble or granite:	per sq. ft. of ornamented area \$82.34

2017 COST SCHEDULE

**V (Continued)**

	<b>Unit</b>	<b>Amount</b>
Concrete Paving or residential garage concrete	per sq. ft.	\$9.19
Concrete Retaining Wall	per c.y.	\$937.84
Counter: Commercial:	per lin. ft.	\$296.67
Residential:	per lin. ft.	\$97.89
Curtain Walls: Stainless steel or bronze and glass	per sq. ft. of wall	\$41.53
Demolition of buildings (not including removal of foundation or basement):		
Concrete/Masonry:	per c.y. of building volume	\$21.90
Steel:	per c.y. of building volume	\$23.91
Wood:	per c.y. of building volume	\$12.20
Demolition, minor residential interior partitions	per sq. ft.	\$6.34
Door, accessible	each	\$5,855.80
Door, wood	each	\$527.29
Door, fire	each	\$5,864.18
Drilled dowels with epoxy	each	\$54.12
Entry gates, metal w/ electronic operator, sliding	each	\$1,612.18
Excavation	per c.y.	\$77.40
Fill	per c.y.	\$51.29
Foundation Replacement (including excavation, concrete and shoring)	per c.y.	\$2,982.14
Garage Door:	each	\$1,514.38
Grout, epoxy or urethane:	per sq. ft. of surface	\$11.02
Guardrails:	per lin. ft.	\$34.18
Gypsum board	per sq. ft. of wall	\$2.90
Inclined platform lift	each	\$42,245.05

2017 COST SCHEDULE

**V (Continued)**

	Unit	Amount
<b>Interior Partitions :</b>		
Wood Studs w/ Gypsum Wallboard, Painted, NR or 1-Hour	per sq. ft. of wall	\$13.04
Wood Studs w/ 2 layers Gypsum Wallboard each side 2-hour construction	per sq. ft. of wall	\$22.79
Add plywood or plaster per sq. ft. of wall:	per sq. ft. of wall	\$6.43
Metal Partitions	per sq. ft. of wall	\$13.04
Metal Studs with Gypsum Wallboard, 1-Hour painted, w/ noncombustible construction	per sq. ft. of wall	\$14.38
2-Hour	per sq. ft. of wall	\$19.18
Metal Studs with Met. Lath & Plans., painted	1-Hour per sq. ft. of wall	\$18.09
2-Hour	per sq. ft. of wall	\$24.12
Special surface finishing.		
Add per sq. ft. of wall, ea. face, as follows:		
Wood Paneling or fabric wall covering	per sq. ft. of wall	\$9.82
Laminated Plastic	per sq. ft. of wall	\$18.80
Marble, Terrazzo, Granite, Stone, etc. Veneers	per sq. ft. of wall	\$106.12
Vinyl Wall covering	per sq. ft. of wall	\$6.06
For Insulation, Add per sq. ft. as follows:		
Walls	per sq. ft. of wall	\$4.32
Floor and Ceilings	per sq. ft. of wall	\$5.28
Landscaping	per sq. ft.	\$9.08
Marquees	per sq. ft.	\$44.63
Moving Structures	per sq. ft.	\$26.22

2017 COST SCHEDULE

**V (Continued)**

		Unit	Amount
Pile driving:	Add cost per lineal foot of pile		
	Size	Concrete, precast	Set-up Cost
	12" dia.	\$66.27 per lin. ft.	\$37,175.65
	14" dia.	\$73.20 per lin. ft.	\$37,175.65
	24" dia.	\$121.42 per lin. ft.	\$37,175.65
	Size		Set-up Cost
	HP 8	\$49.37 per lin. ft.	\$23,246.27
	HP 10	\$64.73 per lin. ft.	\$23,246.27
	HP 12	\$76.36 per lin. ft.	\$23,246.27
	HP 14	\$95.33 per lin. ft.	\$23,246.27
Power Door Operator :	Battery operated	each	\$2,000.00
	Hard wired	each	\$2,500.00
Reinforced concrete		per c.y.	\$937.84
Reroofing		per sq. ft.	\$8.29
Roof Deck		per sq. ft.	\$23.46
Scoreboards/Billboards: (not including cost of poles or structural supports)			
	Field	each	\$18,517.06
	Gym	each	\$4,625.83
Service Station and Carwash Canopies		per sq. ft.	\$58.38
Shotcrete with soil nails, up to 20 feet long		per sq. ft. of wall	\$137.30
Shotcrete with soil nails, 50 feet in length Interpolate for intermediate values		per sq. ft. of wall	\$242.91
Siding or Cladding:		per sq. ft. of wall	\$8.45
Signs: (including installation, lighting and wiring, but not cost of poles or structural supports)		per sq. ft. of wall	\$47.29
Skylight		per sq. ft.	\$100.22

2017 COST SCHEDULE

**V (Continued)**

	<b>Unit</b>	<b>Amount</b>
Soil nail (each)	per lin. ft.	\$433.01
Soil stabilization	per c.y.	\$78.07
Spiral stair or steel stair	per flight	\$10,200.83
Stairs, replace existing	per sq. ft.	\$54.45
Storefront	per sq. ft.	\$53.99
Structural Steel (Note: For soldier beam/pile, use cost for "H" pile)	per pound	\$2.34
Stucco, exterior:	per sq. ft. of wall	\$8.20
Termite repair --- per estimate in termite inspection report or contractor's estimate		
Tieback	each	\$3,619.87
Tower Crane (including installation, removal, site preparation and foundation):		
Size of crane in metric ton		
100 or less	each	\$35,802.68
200	each	\$83,539.59
300	each	\$143,210.72
400 or more	each	\$214,816.09
<u>(NOTE: Interpolate for intermediate values)</u>		
Underground work for pipe	per lin. ft.	\$528.06
Underpinning Foundation (including excavation, concrete and shoring)	per c.y.	\$2,982.14
Vertical wheelchair lifts	each	\$50,166.00
Waterproofing	per sq. ft.	\$6.14

2017 COST SCHEDULE

**V (Continued)**

	Unit	Amount
Window Replacement (Same size, location)		
Wood or fiberglass	per sq. ft. of wall	\$35.72
Aluminum or vinyl	per sq. ft. of wall	\$29.72
Fire rated	per sq. ft. of wall	\$88.71
Wooden Fences	per lin. ft.	\$45.23
Wood lagging (not including tiebacks)	per sq. ft. of wall	\$23.32
Wood lagging (including tiebacks)	per sq. ft. of wall	\$54.07

**NOTE:** For all the Occupancies on the following pages, see Chapter 3 of San Francisco Building Code for the description of Occupancies by Group and Division



2017 COST SCHEDULE

**SECTION  
VI**

**BASE COSTS OF VARIOUS OCCUPANCIES (IN NEW BUILDINGS):**

OCCUPANCY A	CONSTR. TYPE	HT	PER SQUARE FOOT		
			A	B	
<b>A-1</b> Assembly uses, usually with fixed seating, intended for the production and viewing of the performing arts or motion pictures including, but not limited to: <i>Motion picture and television production studio sound stages, approved production facilities and production locations. (with live audiences).</i> Motion picture theaters; Symphony and concert halls; Television and radio studios admitting an audience; Theaters  Basement (Utilities, Storage, Dressing Rooms) [Typical all Basements – See Page 28]	I		\$503.89	\$491.29	
	II		\$362.31	\$353.26	
	I		\$160.07	\$156.06	
	II		\$160.07	\$156.06	
	<b>A-2</b> Assembly uses intended for food and/or drink consumption including, but not limited to: Banquet halls; Casinos (gaming areas); Nightclubs; Restaurants, cafeterias and similar dining facilities (including associated commercial kitchens); Taverns and bars  Basement (Utilities, Storage, Dressing Rooms)	I		\$416.22	\$405.81
		II		\$327.66	\$319.47
		III		\$310.09	\$302.34
		IV	\$310.09	\$303.50	\$295.91
		V		\$303.50	\$295.91
	I		\$160.07	\$156.06	
II		\$160.07	\$156.06		
III		\$112.29	\$109.48		
IV	\$112.29	\$112.29	\$109.48		
V		\$112.29	\$109.48		
<b>A-3</b> Assembly uses intended for worship, recreation or amusement and other assembly uses not classified elsewhere in Group A including, but not limited to: Amusement arcades; Art galleries; Bowling alleys; Community halls, Courtrooms; Dance halls (not including food or drink consumption); Exhibition halls; Funeral parlors; Gymnasiums (without spectator seating); Indoor swimming pools (without spectator seating); Indoor tennis courts (without spectator seating); Lecture halls; Libraries; Museums; Places of religious worship; Pool and billiard parlors; Waiting areas in transportation terminals  Basement (Utilities, Storage, Dressing Rooms)	I		\$348.31	\$339.60	
	II		\$261.64	\$255.10	
	III		\$234.21	\$228.35	
	IV	\$234.21	\$222.43	\$216.87	
	V		\$222.43	\$216.87	
	I		\$160.07	\$156.06	
	II		\$160.07	\$156.06	
	III		\$112.29	\$109.48	
	IV	\$112.29	\$112.29	\$109.48	
	V		\$112.29	\$109.48	

2017 COST SCHEDULE

<b>VI (Continued)</b>					
<b>OCCUPANCY A</b>		<b>CONSTR. TYPE</b>	<b>HT</b>	<b>PER SQUARE FOOT</b>	
				<b>A</b>	<b>B</b>
<b>A-4</b>	Assembly uses intended for viewing of indoor sporting events and activities with spectator seating including, but not limited to: Arenas; Skating rinks; Swimming pools; Tennis courts	I		\$305.83	\$298.19
		II		\$263.52	\$256.94
		III		\$218.61	\$213.14
		IV	\$218.61		
		V		\$195.76	\$190.87
<b>A-5</b>	Assembly uses intended for participation in or viewing outdoor activities including, but not limited to: Amusement park structures; Bleachers; Grandstands; Stadiums	I		\$269.05	\$262.32
		II		\$231.98	\$226.18
		III		\$190.01	\$185.26
		IV	\$190.01		
		V		NA	NA
<b>OCCUPANCY B</b>		<b>CONSTR. TYPE</b>	<b>HT</b>	<b>PER SQUARE FOOT</b>	
				<b>A</b>	<b>B</b>
<b>B</b>	Banks	I		\$402.07	\$392.02
		II		\$359.60	\$350.61
		III		\$335.63	\$327.24
		IV	\$335.63		
		V		\$320.88	\$312.86
	Basements (Utilities, Storage)	I		\$160.07	\$156.06
		II		\$160.07	\$156.06
		III		\$112.29	\$109.48
		IV	\$112.29		
		V		\$112.29	\$109.48
<b>B</b>	Office Buildings: Barber and beauty shops; Car wash; Dry cleaning and laundries: pick-up and delivery stations and self-service; Food processing establishments and commercial kitchens not associated with restaurants, cafeterias and similar dining facilities not more than 2,500 sf in area; Print shops; Professional services (architects, attorneys, engineers, etc.)	I		\$210.32	\$205.06
		II		\$210.32	\$205.06
		III		\$163.82	\$159.72
		IV	\$163.82		
		V		\$159.71	\$155.71
	Basements (Utilities, Storage)	I		\$160.07	\$156.06
		II		\$160.07	\$156.06
		III		\$112.29	\$109.48
		IV	\$112.29		
		V		\$112.29	\$109.48

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**VI (Continued)**

OCCUPANCY B	CONSTR. TYPE	HT	PER SQUARE FOOT	
			A	B
<b>B</b>	I		\$298.52	\$291.06
Ambulatory care facilities <i>servicing five or fewer patients</i> ;	II		\$298.52	\$291.06
Animal hospitals, kennels and pounds;	III		\$288.94	\$281.71
Clinic, outpatient [SFM] ( <i>not classified as Group I-2.1</i> );	IV	\$288.94		
Educational occupancies for students above the 12th grade; Motor vehicle showrooms; Professional services of dentists or physicians; Training and skill development not within a school or academic program (shall include, but not be limited to, tutoring centers, martial arts studios, gymnastics, etc.)	V		\$273.38	\$266.54
Basements (Utilities, Storage)	I		\$160.07	\$156.06
	II		\$160.07	\$156.06
	III		\$112.29	\$109.48
	IV	\$112.29		
	V		\$112.29	\$109.48
<b>B</b>	I		\$419.13	\$408.66
Airport traffic control towers; Civic administration;	II		\$419.13	\$408.66
Electronic data processing; Post offices; Radio and television stations; Telephone exchanges	III		\$392.22	\$382.42
	IV	\$392.22		
	V		\$262.18	\$255.63
(NOTE: For Laboratories, use same cost as Occupancy L)				
Basements (Utilities, Storage)	I		\$160.07	\$156.06
	II		\$160.07	\$156.06
	III		\$112.29	\$109.48
	IV	\$112.29		
	V		\$112.29	\$109.48
OCCUPANCY E	CONSTR. TYPE	HT	A	B
<b>Educational</b>	I		\$343.99	\$335.39
Use of a building or structure, or a portion thereof, by more than six persons at any one time for educational purposes through the 12th grade.	II		\$257.19	\$250.76
	III		\$234.57	\$228.70
	IV	\$234.57		
	V		\$195.82	\$190.92
Basement (Utilities, storage)	I		\$160.07	\$156.06
	II		\$160.07	\$156.06
	III		\$112.29	\$109.48
	IV	\$112.29		
	V		\$112.29	\$109.48

2017 COST SCHEDULE

<b>VI (Continued)</b>				
<b>OCCUPANCY E</b>	<b>CONSTR. TYPE</b>	<b>HT</b>	<b>PER SQUARE FOOT</b>	
			<b>A</b>	<b>B</b>
<b>Day care facilities</b>	I		\$264.23	\$257.63
Buildings and structures or portions thereof occupied	II		\$264.23	\$257.63
by more than six children 2 years of age and older who	III		\$249.92	\$243.67
receive educational, supervision or personal care	IV	\$249.92		
services for fewer than 24 hours per day.	V		\$207.44	\$202.26
Basement	I		\$160.07	\$156.06
(Utilities, storage)	II		\$160.07	\$156.06
	III		\$112.29	\$109.48
	IV	\$112.29		
	V		\$112.29	\$109.48

  

<b>OCCUPANCY F</b>	<b>CONSTR. TYPE</b>	<b>HT</b>	<b>PER SQUARE FOOT</b>	
			<b>A</b>	<b>B</b>
<b>F-1</b>				
Moderate-hazard factory industrial	I		\$276.24	\$269.33
Aircraft (manufacturing, not to include repair);	II		\$239.19	\$233.21
Appliances; Athletic equipment; Automobiles and	III		\$185.91	\$181.26
other motor vehicles; Bakeries; Beverages: over	IV	\$185.91		
16-percent alcohol content; Bicycles; Boats; Brooms	V		\$143.53	\$139.94
or brushes; Business machines; Cameras and photo				
equipment; Canvas or similar fabric; Carpets and rugs				
(including cleaning); Clothing; Construction and				
agricultural machinery; Disinfectants; Dry cleaning and				
dyeing; Electric generation plants; Electronics; Engines				
(including rebuilding); Food processing establishments and				
commercial kitchens not associated with restaurants,				
cafeterias and similar dining facilities not more than 2,500				
sf in area; Furniture; Hemp products; Jut products;				
Laundries; Leather products; Machinery; Metals;				
Millwork (sash and door); <i>[SFM] Motion picture and</i>				
<i>television production studio Sound Stages, Approved</i>				
<i>Production Facilities and production locations (without</i>				
<i>live audiences)</i> ; Musical instruments; Optical goods;				
Paper mills or products; Photographic film; Plastic products;				
Printing or publishing; Recreational vehicles; Refuse				
incineration; Shoes; Soaps and detergents; Textiles;				
Tobacco; Trailers; Upholstering; Wood: distillation;				
Woodworking (cabinet)				

2017 COST SCHEDULE

<b>VI (Continued)</b>				
<b>OCCUPANCY F</b>	<b>CONSTR. TYPE</b>	<b>HT</b>	<b>PER SQUARE FOOT</b>	
			<b>A</b>	<b>B</b>
<b>F-2</b>				
Low-hazard factory industrial	I		\$79.97	\$77.97
Beverages: up to and including 16-percent alcohol content; Brick and masonry; Ceramic products;	II		\$79.97	\$77.97
Foundries; Glass products; Gypsum; Ice; Metal products (fabrication and assembly)	III		\$68.68	\$66.96
	IV	\$68.68		
	V		\$68.68	\$66.96
<b>OCCUPANCY H</b>	<b>CONSTR. TYPE</b>	<b>HT</b>	<b>PER SQUARE FOOT</b>	
			<b>A</b>	<b>B</b>
<b>H-1</b>				
Buildings and structures containing materials that pose a detonation hazard shall include, but not limited to:	I		\$308.99	\$301.27
Detonable pyrophoric materials; Explosives (Divisions 1.1 thru 1.6); Organic peroxides, unclassified	II		\$308.99	\$301.27
detonable; Oxidizers, Class 4; Unstable (reactive) materials, Class 3 detonable and Class 4	III		\$239.19	\$233.21
	IV	\$239.19		
	V		NP	NP
<b>H-2</b>				
Buildings and structures containing materials that pose a deflagration hazard or a hazard from accelerated burning shall include, but not limited to:	I		\$286.38	\$279.22
Class I, II or IIIA flammable or combustible liquids that are used or stored in normally open containers or systems, or in closed containers or systems pressurized at more than 15 psi gauge (103.4 kPa); Combustible dusts where manufactured, generated or used in such a manner that the concentration and conditions create a fire or explosion hazard; Cryogenic fluids, flammable; Flammable gases; Organic peroxides, Class I; Oxidizers, Class 3, that are used or stored in normally open containers or systems, or in closed containers or system pressurized at more than 15 psi gauge (103 kPa); Pyrophoric liquids, solids and gases, nondetonable; Unstable (reactive) materials, Class 3, nondetonable; Water-reactive materials, Class 3	II		\$239.19	\$233.21
	III		\$209.09	\$203.86
	IV	\$209.09		
	V		\$177.57	\$173.13

2017 COST SCHEDULE

**VI (Continued)**

OCCUPANCY H	CONSTR. TYPE	HT	PER SQUARE FOOT	
			A	B
<b>H-3</b>				
Buildings and structures containing materials that readily support combustion or that pose a physical hazard shall include, but not limited to: Class I, II or IIIA flammable or combustible liquids that are used or stored in normally closed containers or systems pressurized at 15 psi gauge (103.4 kPa) or less; Combustible fibers, other than densely packed baled cotton, where manufactured, generated or used in such a manner that the concentration and conditions created a fire or explosion hazard; Consumer fireworks, 1.4G (Class C, Common); Cryogenic fluids oxidizing; Flammable solids; Organic peroxides, Class II and III; Oxidizers, Class 2; Oxidizers, Class 3, that are used or stored in normally closed containers or systems pressurized at 15 psi gauge (103 kPa) or less; Oxidizing gases; Unstable (reactive) materials, Class 2; Water-reactive materials, Class 2	I		\$286.38	\$279.22
	II		\$239.19	\$233.21
	III		\$209.09	\$203.86
	IV	\$209.09		
	V		\$177.57	\$173.13
<b>H-4</b>				
Buildings and structures containing materials that are health hazards shall include, but not limited to: Corrosives; Highly toxic materials; Toxic materials	I		\$286.38	\$279.22
	II		\$239.19	\$233.21
	III		\$209.09	\$203.86
	IV	\$209.09		
	V		\$177.57	\$173.13
<b>H-5</b>				
Semiconductor fabrication facilities and comparable research and development areas in which hazardous production materials (HPM) are used and the aggregate quantity of materials is in excess	I		\$290.84	\$283.57
	II		\$290.84	\$283.57
	III		\$209.09	\$203.86
	IV	\$209.09		
	V		\$204.79	\$199.67
OCCUPANCY I	CONSTR. TYPE	HT	A	B

I-1 Not used. (See Group R-2.1)

2017 COST SCHEDULE

**VI (Continued)**

OCCUPANCY I	CONSTR. TYPE	HT	PER SQUARE FOOT	
			A	B
<b>I-2</b>				
Buildings and structures used for medical care on a 24-hour basis for more than five persons who are incapable of self-preservation or classified as nonambulatory or bedridden. Include, but not limited to: Foster care facilities; Detoxification facilities; Hospitals; Nursing homes; Psychiatric hospitals	I		\$202.85	\$197.78
	II		\$202.85	\$197.78
	III		\$177.12	\$172.69
	IV	\$177.12		
	V		\$177.12	NP
<b>I-2.1 Ambulatory health care facility</b>				
A healthcare facility that receives persons for outpatient medical care that may render the patient incapable of unassisted self-preservation and where each tenant space accommodates more than five such patients.				
Basement	I		\$195.96	\$191.07
<b>I-3</b>				
Buildings or portions of buildings and structures that are inhabited by one or more persons who are under restraint or security. Persons who are generally incapable of self-preservation due to security measures not under the occupants' control, which includes persons restrained. Include, but not be limited to: Correctional centers; Courthouse holding facility; Detention centers; Detention treatment room; Jails; Juvenile Halls; Prerelease centers; Prisons; Reformatories; Secure interview rooms; Temporary holding facility	I		\$358.03	\$349.08
	II		NP	NP
Basement	I		\$195.96	\$191.07
	II		NP	NP
<b>I-4, Day Care Facilities</b>				
Buildings and structures occupied by more than six clients of any age who receive custodial care for fewer than 24 hours per day by persons other than parents or guardians, relatives by blood, marriage or adoption, and in a place other than the home of the clients cared for. Include, but not limited to: Adult day care; Child day care	I		\$202.85	\$197.78
	II		\$202.85	\$197.78
	III		\$177.12	\$172.69
	IV	\$177.12		
	V		\$177.12	\$172.69
Basement	I		\$195.96	\$191.07

2017 COST SCHEDULE

**VI (Continued)**

OCCUPANCY L	CONSTR. TYPE	HT	PER SQUARE FOOT	
			A	B
<b>L</b> Building or structure, or a portion thereof, containing one or more laboratory suites as defined in SFBC Section 453.	I		\$445.73	\$434.58
	II		\$416.24	NP
	III		\$308.73	NP
	IV	\$308.73		
	V		\$287.53	NP
OCCUPANCY M	CONSTR. TYPE	HT	PER SQUARE FOOT	
			A	B
<b>M</b> Drug stores; Markets; Retail or wholesale stores	I		\$199.56	\$194.57
	II		\$199.56	\$194.57
	III		\$167.58	\$163.39
	IV	\$167.58		
	V		\$160.48	\$156.47
Basement	I		\$120.40	\$117.39
	II		\$120.40	\$117.39
	III		\$78.28	\$76.32
	IV	\$78.28		
	V		\$78.28	\$76.32
<b>M</b> Department stores	I		\$199.56	\$194.57
	II		\$199.56	\$194.57
	III		\$167.58	\$163.39
	IV	\$167.58		
	V		\$160.48	\$156.47
Basement	I		\$136.75	\$133.33
	II		\$136.75	\$133.33
	III		\$78.28	\$76.32
	IV	\$78.28		
	V		\$78.28	\$76.32
<b>M</b> Motor fuel-dispensing facilities; Sales rooms	I		\$192.12	\$194.57
	II		\$192.12	\$194.57
	III		\$160.48	\$163.39
	IV	\$160.48		
	V		\$140.00	\$156.47



2017 COST SCHEDULE

**VI (Continued)**

OCCUPANCY R	CONSTR. TYPE	HT	PER SQUARE FOOT	
			A	B
<b>R-1</b>				
Residential occupancies containing sleeping units where the occupants are primarily transient in nature, including: Boarding houses (transient) with more than 10 occupants; Congregate residents (transient) with more than 10 occupants; Hotels (transient); Motels (transient)	I		\$314.16	\$306.30
	II		\$314.16	\$306.30
	III		\$235.01	\$229.13
	IV	\$235.01		
	V		\$235.01	\$229.13
Basement (Unfinished, for utilities and storage. For finished basement, use sq. ft. cost for upper floors.)	I		\$136.75	\$133.33
	II		\$136.75	\$133.33
	III		\$98.09	\$95.64
	IV	\$98.09		
	V		\$98.09	\$95.64
<b>R-2</b>				
Residential occupancies containing sleeping units or more than two dwelling units where the occupants are primary permanent in nature, including: Apartment houses; Boarding houses (nontransient) with more than 16 occupants; Congregate residences (nontransient) with more than 16 occupants; Convents; Dormitories; Fraternities and sororities; Hotels (nontransient); Live/work units; Monasteries; Motels (nontransient); Vacation timeshare properties	I		\$241.35	\$235.31
	II		\$241.35	\$235.31
	III		\$190.66	\$185.90
	IV	\$190.66		
	V		\$181.60	\$177.06
Basement (Unfinished, for utilities and storage. For finished basement, use sq. ft. cost for upper floors.)	I		\$136.75	\$133.33
	II		\$120.40	\$117.39
	III		\$98.09	\$95.64
	IV	\$98.09		
	V		\$98.09	\$95.64

2017 COST SCHEDULE

<b>VI (Continued)</b>				
<b>OCCUPANCY R</b>	<b>CONSTR. TYPE</b>	<b>HT</b>	<b>PER SQUARE FOOT</b>	
			<b>A</b>	<b>B</b>
<b>R-2.1</b>				
Buildings, structures or parts thereof housing clients, on a 24-hour basis, who because of age, mental disability or other reasons, live in a supervised residential environment that provides personal care services. May contain more than six nonambulatory and/or bedridden clients, include, but not limited to: Assisted living facilities; Residential care facilities; Residential care facilities for the elderly (RCFEs); Adult residential facilities; Congregate living health facilities; Group homes; Residential care facilities for the chronically ill; Congregate living health facilities for the terminally ill. Social rehabilitation facilities: Halfway houses; Community correctional centers; Community correction reentry centers; Community treatment programs; Work furlough programs; Alcoholism or drug abuse recovery or treatment facilities.	I		\$282.94	\$275.86
	II		\$282.94	\$275.86
	III		\$211.86	\$206.56
	IV	\$211.86		
	V		\$211.86	\$206.56
Basement	I		\$195.96	\$191.07
<b>R-3</b>				
Residential occupancies where occupants are primary permanent in nature and not classified as Group R-1, R-2, R-2.1, R-3.1, R-4 or I, including: Buildings that do not contain more than two dwelling units; Boarding houses (nontransient) with 16 or fewer occupants; Boarding houses (transient) with 10 or fewer occupants; Congregate residences (nontransient) with 16 or fewer occupants; Congregate residences (transient) with 10 or fewer occupants; Adult care facilities that provide accommodations for six or fewer clients of any age for less than 24 hours; Licensing categories that may use this classification include Adult Day Programs. Alcoholism or drug abuse recovery homes (ambulatory only); Child care facilities that provide accommodations for six or fewer clients of any age for less than 24 hours. Licensing categories that may use this classification include, but not limited to: Day-Care Center for Mildly Ill Children; Infant Care Center; School Age Child Day-Care Center; Family Day-Care Homes that provide accommodations for 14 or fewer children, in the provider's own home for less than 24-hours; Foster family homes (ambulatory only); Adult care and child care facilities that are within a single family home are permitted to comply with the California Residential Code. Lodging houses with five or fewer guest rooms.	V		\$185.93	\$181.28

2017 COST SCHEDULE

**VI (Continued)**

OCCUPANCY R	CONSTR.	PER SQUARE FOOT		
	TYPE	HT	A	B
<b>R-3.1</b>				
Facilities licensed by a governmental agency for a residentially based 24-hour care facility providing accommodations for six or fewer clients of any age. Clients may be classified as ambulatory, nonambulatory or bedridden, may include: Adult residential facilities; Congregated living health facilities; Foster family homes; Group homes; Intermediate care facilities for the developmentally disable habilitative; Intermediate care facilities for the developmentally disabled nursing; Nurseries for the full-time care of children under the age of six, but not including "infants"; Residential care facilities for the elderly; Small family homes and residential care facilities for the chronically ill				
Basement (Unfinished, for utilities and storage. For finished basement, use sq. ft. cost for upper floors.)	V		\$63.61	\$62.02
<b>R-4</b>				
Buildings, structures or portions thereof for more than six ambulatory clients, but not more than 16 persons, excluding staff, who reside on a 24-hour basis in a supervised residential environment and receive custodial care. The persons receiving care are capable of self preservation. May include a maximum six nonambulatory or bedridden clients. Include, but not limited to: Assisted living facilities; Residential care facilities; Residential care facilities for the elderly (RCFEs); Adult residential facilities; Congregate living health facilities; Group homes. Social rehabilitation facilities; Halfway houses; Community correctional centers; Community correction reentry centers; Community treatment programs; Work furlough programs; Alcoholism or drug abuse recovery or treatment facilities.	I		\$306.69	\$299.02
	II		\$292.36	\$285.05
	III		\$253.65	\$247.31
	IV	\$253.65		
	V		\$253.65	\$247.31
Basement (Unfinished, for utilities and storage. For finished basement, use sq. ft. cost for upper floors.)	I		\$136.75	\$133.33
	II		\$136.75	\$133.33
	III		\$98.09	\$95.64
	IV	\$98.09		
	V		\$98.09	\$95.64

2017 COST SCHEDULE

<b>VI (Continued)</b>				
<b>OCCUPANCY S</b>	<b>CONSTR. TYPE</b>	<b>HT</b>	<b>PER SQUARE FOOT</b>	
			<b>A</b>	<b>B</b>
<b>S-1</b>				
Moderate-hazard storage	I		\$122.08	\$119.03
Aerosols, Levels 2 and 3; Aircraft hangar (storage and repair); Bags: cloth, burlap and paper; Bamboos and rattan; Baskets; Belting: canvas and leather; Books and paper in rolls or packs; Boots and shoes; Buttons, including cloth covered, pearl or bone; Cardboard and cardboard boxes; Clothing, woolen wearing apparel; Cordage; Dry boat storage (indoor); Furniture; Furs; Glues, mucilage, pastes and size; Grains; Horns and combs, other than celluloid; Leather; Linoleum; Lumber; Motor vehicle repair garages; Photo engravings; Resilient flooring; Silks; Soaps; Sugar; Tires, bulk storage of; Tobacco, cigars, cigarettes and snuff; Upholstery and mattresses; Wax candles	II		\$122.08	\$119.03
	III		\$92.74	\$941.85
	IV	\$92.74		
	V		\$80.64	\$78.62
<b>S-2</b>				
Low-hazard storage	I		\$123.03	\$119.95
Buildings used for the storage of noncombustible materials such as products on wood pallets or in paper cartons with or without single thickness divisions; or in paper wrappings. Such products are permitted to have a negligible amount of plastic trim, such as knobs, handles or film wrapping. Include, but not be limited to, storage of: Asbestos; Beverages up to and including 16-percent alcohol in metal, glass, or ceramic containers; Cement in bags; Chalk and crayons; Dairy products in nonwaxed coated paper containers; Dry cell batteries; Electrical coils; Electrical motors; Empty cans; Food products; Foods in noncombustible containers; Fresh fruits and vegetables in nonplastic trays or containers; Frozen foods; Glass; Glass bottles, empty or filled with noncombustible liquids; Gypsum board; Inert pigments; Ivory; Meats; Metal cabinets; Metal desks with plastic tops and trim; Metal parts; Metals; Mirrors; Oil-filled and other types of distribution transformers; Porcelain and pottery; Stoves; Talc and soapstones; Washers and dryers	II		\$108.83	\$106.11
	III		\$82.72	\$80.65
	IV	\$82.72		
	V		\$73.18	\$71.35

2017 COST SCHEDULE

<b>VI (Continued)</b>					
<b>OCCUPANCY S</b>		<b>CONSTR. TYPE</b>	<b>HT</b>	<b>PER SQUARE FOOT</b>	
				<b>A</b>	<b>B</b>
<b>S-2</b>					
Parking garages, open or enclosed		I		\$118.63	\$115.67
		II		\$118.63	\$115.67
		III		\$99.97	\$97.47
		IV	\$99.97		
		V		\$84.12	\$82.02
<b>S-2</b>					
Underground Parking Garages		I		\$118.63	\$115.67
<b>OCCUPANCY U</b>		<b>CONSTR. TYPE</b>		<b>PER SQUARE FOOT</b>	
				<b>A</b>	<b>B</b>
<b>U</b>					
Private Garages	At grade	I		\$118.63	\$115.67
	Free standing Only	V		\$70.40	\$68.64
	As Lower floor			Use basement \$ for Basement of Occupancy.	
<b>U</b>					
Agricultural buildings; Aircraft hangars, accessory to a one- or two-family residence; Barns; Carports; Fences more than 6 feet in height; Grain silos, accessory to a residential occupancy; Greenhouses; Livestock shelters; Retaining walls; Sheds; Stables; Tanks; Towers		V			\$68.74

**SECTION  
VII**

**ADDITIONAL COSTS ITEMS:  
APPLICABLE TO OCCUPANCIES A, B, E, F, H, I, L, M, R AND S**

(1) For floors above the fourth story, increase the base cost in Section VI by 0.5% for each story.

(2) Add cost of fire sprinklers, if required. [See Section IV]

(3) Elevator costs:

	<b>Occupancy</b>	<b>Cost</b>
(A) cost for each elevator shaft:	A, B, E & I	\$135,626.68
	H ,L ,M , F, & S	\$88,207.67
	R-1,R-2 & R-4	\$78,744.78
	R-3	\$28,929.41
(B) add for Each Elevator Stop or Floor Opening:	A, B, E & I	\$12,839.33
	H ,L ,M , F, & S	\$12,828.77
	R-1,R-2 & R-4	\$12,828.77
	R-3	\$7,516.45

- Notes:** (i) For Machine Room Less (MRL) elevator, increase all elevator costs by 25%.  
 (ii) For Fire Service Access Elevators(FSAE), increase elevator stop cost by 40%.  
 (iii) For Occupant Evacuation Elevator(OEE), increase elevator stop cost by 70%.  
 (iv) For Destination-oriented Elevator, increase each elevator stop cost by \$1,000.00

(4) Kitchen [Residential]:

Add for Each New Kitchen: \$12,673.52  
 Amount added to total sq. ft. costs to cover built-in appliances, wiring and plumbing.

Kitchen, Remodel, each [Built-in appliances, wiring and plumbing only] \$10,561.26  
 Amount added to cost under item (13) for complete Kitchen Remodel.

(5) Kitchen [Commercial]:

Add for Each New Kitchen: \$47,525.68  
 Amount added to total sq. ft. costs to cover built-in appliances, wiring and plumbing.

Kitchen, Remodel, each [Built-in appliances, wiring and plumbing only] \$42,245.05  
 Amount added to cost for kitchen/dining room remodel, per sq. ft.:

Occupancy	
A-2	\$151.75
B	\$79.85

Kitchen Hood [ Commercial ]:

Type-I Hood System (hood, fan, make-up air, controls, per lineal foot \$1,637.00  
 not including the suppression system)

Type-I Hood System grease duct per lineal foot \$126.74

2017 COST SCHEDULE

**VII (Continued)**

		<b>Cost</b>
UL300 Hood and Duct Suppression System	each	\$5,280.63
Additional tank	each	\$2,112.25
(6) Add for Each Fire Alarm System	– See Section IV	
(7) Add for Fire Escape per story		\$5,679.91
(8) Add for Each Additional or New Restroom, each		\$12,673.52   +++
Amount added to total sq. ft. costs to cover fixtures, wiring and plumbing.		
+++ Each additional restroom more than one per unit in new buildings or in addition to existing restrooms.		
(9) Add for Remodeled Restroom, each (Fixtures, wiring and plumbing only)		\$10,561.26
Amount added to cost under item (13) for complete Restroom Remodel.		
(10) Add for Accessible Restroom, each single accommodation		\$31,683.79
( including 1 lavatory and two water closets or one water closet and a urinal )		
Add for each additional fixture		\$7,920.95
(11) Add for Each Fireplace	- [Brick]	\$7,832.12
	- [Prefabricated]	\$3,712.00
(12) Add for Balconies Decks:	<b>BLDG.</b>	<b>PER SQUARE FOOT</b>
	<b>TYPE</b>	<b>HT      A      B</b>
	I	\$108.55   \$105.83
	II	\$108.55   \$105.83
	III	\$92.25    \$89.95
	IV	\$92.25
	V	\$71.50    \$69.71
(13) Add for Residential Remodel without seismic retrofit, per sq. ft.:		\$98.22
Add for Residential Remodel with seismic retrofit, per sq. ft.:		\$116.17

BASEMENT NOTE: Basements are assumed to be for building operations and utilities, and for storage use with minimal partitions. Basement exterior walls are part of the above floor costs of foundations. Where the basement is more extensively used, with employee services, offices, toilets, dwellings, etc. use the normal floor costs for the floor areas being proposed for that use, or as otherwise noted.

2017 COST SCHEDULE

**SECTION  
VIII**

**MECHANICAL EQUIPMENTS:**

		<b>Unit</b>	<b>Cost</b>
Air Conditioner :		per ton of capacity	\$2,346.78
Chiller, air-cooled		per ton of capacity	\$1,288.47
Chiller, water-cooled		per ton of capacity	\$1,113.74
Boiler:	100,000 BTU or less	each	\$5,129.20
	200,000 BTU	each	\$6,230.03
	600,000 BTU	each	\$19,053.19
	3,000,000 BTU	each	\$54,575.90
	22,500,000 BTU or more	each	\$224,344.89
Coil (Heating or Cooling):		each	\$908.48
Cooling Tower:		per ton of capacity	\$177.20
Ductwork:	4" dia.	per lin.ft.	\$14.38
	6" dia.	per lin.ft.	\$15.95
	12" dia.	per lin.ft.	\$30.14
	20" dia.	per lin.ft.	\$50.50
Fan:      Size:	24"	each	\$2,115.78
	36"	each	\$2,825.44
	48"	each	\$3,979.08
Fire or Smoke Damper:		each	\$1,584.19
Fire Pump: - See Section IV			
Floor Heater:	100,000 BTU	each	\$6,223.51
	300,000 BTU	each	\$14,936.40
	1,000,000 BTU	each	\$37,341.01
Furnace:	50,000 BTU	each	\$2,039.49
	100,000 BTU	each	\$3,020.08
	160,000 BTU	each	\$3,101.78
Generator:	30 KW or less	per KW	\$1,383.94
	100 KW	per KW	\$732.24
	600 KW or more	per KW	\$480.26

(Note: Add 10% to cost of generator more than 30 KW to include day tank, pipe and flue.)

Heat Pump:		per ton of capacity	\$3,113.05
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2017 COST SCHEDULE

**VIII (Continued)**

		<b>Unit</b>	<b>Amount</b>
Hydronic Radiant Floor Heating:		per sq. ft. of conditioned space	\$12.27
Solar:	PV installation only	per sq. ft.	\$63.37
	Solar water(or air) heating system:	per sq. ft. of collector area	\$126.74
Suspended Heater:	35,000 BTU	each	\$2,115.07
(Unit Heater)	100,000 BTU	each	\$2,607.01
	400,000 BTU	each	\$6,991.28
Washer or dryer:-	Residential type	each	\$1,271.72
	- Commercial type	each	\$2,871.76
Water Heater :	- Residential type( up to 50 gallons)	each	\$2,070.31
	- Residential type( tankless)	each	\$3,838.78
	- Commercial type (up to 150 GPH recovery)	each	\$5,806.77
NOTE:	Interpolate for intermediate values		

**SECTION  
IX**

**ABBREVIATIONS:**

A, A-1, A-2, A-3, A-4, A-5	Assembly occupancies per San Francisco Building Code
Amt.	Amount
Avg.	Average
B	Business occupancies per San Francisco Building Code
Bldg.	Building
BTU	British Thermal Unit
c.y.	cubic yard
Constr.	Construction
DBI	Department of Building Inspection
dia.	diameter
E	Educational occupancies per San Francisco Building Code
ea.	each
F, F-1, F-2	Factory and Industrial occupancies per San Francisco Building Code
FA	Fire Alarm
FACP	Fire Alarm Control Panel
GPH	Gallon per Hour
GPM	Gallon per minute
Gym	Gymnasium
H, H-1, H-2, H-3, H-4, H-5	Hazardous occupancies per San Francisco Building Code
HT	Heavy Timber
I, I-1, I-2, I-3, I-4	Institutional occupancies per San Francisco Building Code
incl.	including
KW	Kilowatts
L	Laboratory occupancies per San Francisco Building Code Section 443
LCD	Liquid crystal display
LED	Light-emitting diode
lin. ft.	lineal foot
M	Mercantile occupancies per San Francisco Building Code
NA	Not applicable
NP	Not permitted / not allowed
NR	Nonrated (not fire rated or unprotected construction)
PV	Photovoltaic
R, R-1, R-2, R-3, R-4	Residential occupancies per San Francisco Building Code
S, S-1, S-2	Storage occupancies per San Francisco Building Code
sq. ft.	square foot
U	Utility occupancies per San Francisco Building Code
I, IA, IB, II, IIA, IIB, III, IIIA, IIIB, IV, IV(HT), V, VA, VB	Types of Construction per San Francisco Building Code