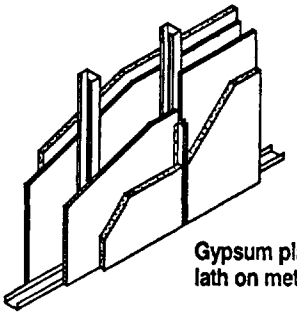
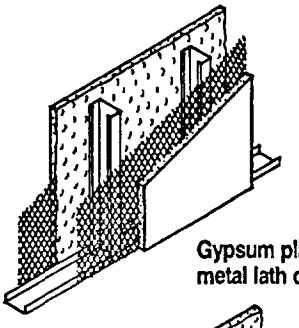
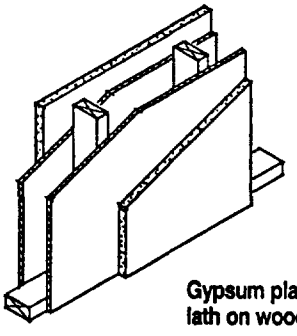


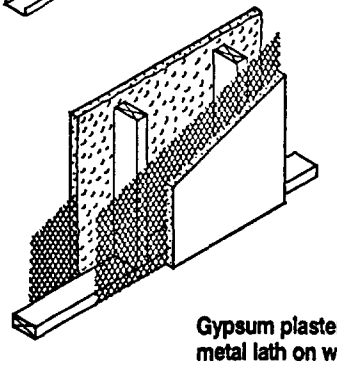
Gypsum plaster and gypsum lath on metal studs.



Gypsum plaster and diamond metal lath on metal studs.



Gypsum plaster and gypsum lath on wood studs.

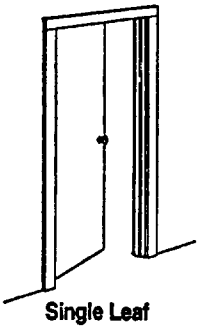


Gypsum plaster and diamond metal lath on wood studs.

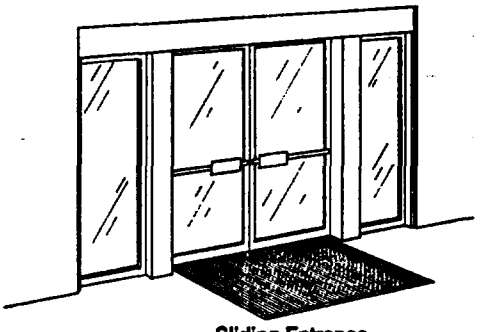
6.1-610 Plaster Partitions/Metal Stud Framing

	TYPE	FRAMING	LATH	OPPOSITE FACE		COST PER S.F. MAT.	INST.	TOTAL
1000	2 coat gypsum	2-1/2" @ 16"O.C.	3/8" gypsum	same		1.95	4.45	6.40
1010				nothing		1.13	2.60	3.73
1100		3-1/4" @ 24"O.C.	1/2" gypsum	same		2	4.43	6.43
1110				nothing		1.16	2.55	3.71
1500	2 coat vermiculite	2-1/2" @ 16"O.C.	3/8" gypsum	same		2.07	4.85	6.92
1510				nothing		1.19	2.81	4
1600		3-1/4" @ 24"O.C.	1/2" gypsum	same		2.12	4.83	6.95
1610				nothing		1.22	2.76	3.98
2000	3 coat gypsum	2-1/2" @ 16"O.C.	3/8" gypsum	same		1.95	5.05	7
2010				nothing		1.13	2.90	4.03
2020			3.4lb. diamond	same		1.52	5.05	6.57
2030				nothing		.92	2.90	3.82
2040			2.75lb. ribbed	same		1.48	5.05	6.53
2050				nothing		.90	2.90	3.80
2100		3-1/4" @ 24"O.C.	1/2" gypsum	same		2	5.05	7.05
2110				nothing		1.16	2.85	4.01
2120			3.4lb. ribbed	same		1.53	5.05	6.58
2130				nothing		.92	2.85	3.77
3500	3 coat gypsum W/med. Keenes	2-1/2" @ 16"O.C.	3/8" gypsum	same		2.36	6.45	8.81
3510				nothing		1.33	3.60	4.93
3520			3.4lb. diamond	same		1.93	6.45	8.38
3530				nothing		1.12	3.60	4.72
3540			2.75lb. ribbed	same		1.89	6.45	8.34
3550				nothing		1.10	3.60	4.70
3600		3-1/4" @ 24"O.C.	1/2" gypsum	same		2.41	6.40	8.81
3610				nothing		1.36	3.55	4.91
3620			3.4lb. ribbed	same		1.94	6.40	8.34
3630				nothing		1.12	3.55	4.67

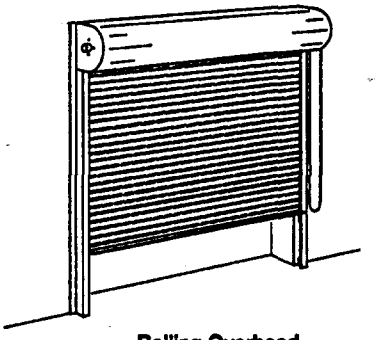
See the Reference Section for Location Factors and Historical Cost Indexes.



Single Leaf



Sliding Entrance



Rolling Overhead

6.4-100	Special Doors	COST PER OPNG. MAT.	INST.	TOTAL
2500	Single leaf, wood, 3'-0"x7'-0"x1 3/8", birch, solid core	248	114	362
2510	Hollow core	191	109	300
2530	Hollow core, lauan	180	109	289
2540	Louvered pine	325	109	434
2550	Paneled pine	305	109	414
2600	Hollow metal, comm. quality, flush, 3'-0"x7'-0"x1-3/8"	385	121	506
2650	3'-0"x10'-0" openings with panel	545	156	701
2700	Metal fire, comm. quality, 3'-0"x7'-0"x1-3/8"	410	124	534
2800	Kalamein fire, comm. quality, 3'-0"x7'-0"x1-3/4"	370	222	592
3200	Double leaf, wood, hollow core, 2 - 3'-0"x7'-0"x1-3/8"	279	208	487
3300	Hollow metal, comm. quality, B label, 2'-3'-0"x7'-0"x1-3/8"	770	261	1,031
3400	6'-0"x10'-0" opening, with panel	1,025	325	1,350
3500	Double swing door system, 12'-0"x7'-0", mill finish	5,000	1,675	6,675
3700	Black finish	5,475	1,725	7,200
3800	Sliding entrance door and system mill finish	6,250	1,450	7,700
3900	Bronze finish	6,825	1,550	8,375
4000	Black finish	7,125	1,625	8,750
4100	Sliding panel mall front, 16'x9' opening, mill finish	2,200	440	2,640
4200	Bronze finish	2,850	570	3,420
4300	Black finish	3,525	705	4,230
4400	24'x9' opening mill finish	3,200	815	4,015
4500	Bronze finish	4,150	1,050	5,200
4600	Black finish	5,125	1,300	6,425
4700	48'x9' opening mill finish	5,950	635	6,585
4800	Bronze finish	7,725	825	8,550
4900	Black finish	9,525	1,025	10,550
5000	Rolling overhead steel door, manual, 8' x 8' high	610	470	1,080
5100	10' x 10' high	735	540	1,275
5200	20' x 10' high	1,425	755	2,180
5300	12' x 12' high	925	625	1,550
5400	Motor operated, 8' x 8' high	1,550	620	2,170
5500	10' x 10' high	1,675	690	2,365
5600	20' x 10' high	2,350	905	3,255
5700	12' x 12' high	1,850	775	2,625
5800	Roll up grille, aluminum, manual, 10' x 10' high, mill finish	1,525	920	2,445
5900	Bronze anodized	2,500	920	3,420
6000	Motor operated, 10' x 10' high, mill finish	2,350	1,075	3,425
6100	Bronze anodized	3,325	1,075	4,400
6200	Steel, manual, 10' x 10' high	1,100	755	1,855
6300	15' x 8' high	1,475	940	2,415
6400	Motor operated, 10' x 10' high	1,925	905	2,830
6500	15' x 8' high	2,300	1,100	3,400

6.5-100	Paint & Covering	COST PER S.F. MAT.	INST.	TOTAL
0060	Painting, interior on plaster and drywall, brushwork, primer & 1 coat	.07	.38	.45
0080	Primer & 2 coats	.09	.53	.62
0100	Primer & 3 coats	.13	.70	.83
0120	Walls & ceilings, roller work, primer & 1 coat	.07	.22	.29
0140	Primer & 2 coats	.10	.33	.43
0160	Woodwork incl. puttying, brushwork, primer & 1 coat	.09	.59	.68
0180	Primer & 2 coats	.11	.78	.89
0200	Primer & 3 coats	.16	1.06	1.22
0260	Cabinets and casework, enamel, primer & 1 coat	.08	.62	.70
0280	Primer & 2 coats	.13	.78	.91
0300	Masonry or concrete, latex, brushwork, primer & 1 coat	.14	.53	.67
0320	Primer & 2 coats	.16	.76	.92
0340	Addition for block filler	.09	.14	.23
0380	Fireproof paints, intumescent, 1/8" thick 3/4 hour	1.36	.54	1.90
0400	3/16" thick 1 hour	3.03	.82	3.85
0420	7/16" thick 2 hour	3.92	1.90	5.82
0440	1-1/16" thick 3 hour	6.35	3.80	10.15
0480	Miscellaneous metal brushwork, exposed metal, primer & 1 coat	.05	.53	.58
0500	Gratings, primer & 1 coat	.14	.78	.92
0600	Pipes over 12" diameter	.06	2.31	2.37
0700	Structural steel, brushwork, light framing 300-500 S.F./Ton	.03	.43	.46
0720	Heavy framing 50-100 S.F./Ton	.03	.34	.37
0740	Spraywork, light framing 300-500 S.F./Ton	.04	.21	.25
0760	Heavy framing 50-100 S.F./Ton	.04	.11	.15
0800	Varnish, interior wood trim, no sanding sealer & 1 coat	.09	.66	.75
0820	Hardwood floor, no sanding 2 coats	.09	.11	.20
0840	Wall coatings, acrylic glazed coatings, minimum	.21	.51	.72
0860	Maximum	.41	.87	1.28
0880	Epoxy coatings, minimum	.24	.51	.75
0900	Maximum	.79	1.56	2.35
0940	Exposed epoxy aggregate, troweled on, 1/16" to 1/4" aggregate, minimum	.45	1.13	1.58
0960	Maximum	.86	2.05	2.91
0980	1/2" to 5/8" aggregate, minimum	.85	2.05	2.90
1000	Maximum	1.40	3.33	4.73
1020	1" aggregate, minimum	1.49	2.96	4.45
1040	Maximum	2.09	4.84	6.93
1060	Sprayed on, minimum	.42	.90	1.32
1080	Maximum	.68	1.83	2.51
1100	High build epoxy 50 mil, minimum	.44	.68	1.12
1120	Maximum	.77	2.80	3.57
1140	Laminated epoxy with fiberglass minimum	.52	.90	1.42
1160	Maximum	.86	1.83	2.69
1180	Sprayed perlite or vermiculite 1/16" thick, minimum	.19	.09	.28
1200	Maximum	.44	.42	.86
1260	Wall coatings, vinyl plastic, minimum	.21	.36	.57
1280	Maximum	.50	1.11	1.61
1300	Urethane on smooth surface, 2 coats, minimum	.20	.23	.43
1320	Maximum	.33	.40	.73
1340	3 coats, minimum	.22	.32	.54
1360	Maximum	.44	.57	1.01
1380	Ceramic-like glazed coating, cementitious, minimum	.33	.60	.93
1400	Maximum	.50	.77	1.27
1420	Resin base, minimum	.21	.42	.63
1440	Maximum	.36	.81	1.17
1460	Wall coverings, aluminum foil	.68	.98	1.66
1480	Copper sheets, .025" thick, phenolic backing	4.46	1.12	5.58
1500	Vinyl backing	3.41	1.12	4.53
1520	Cork tiles, 12"x12", light or dark, 3/16" thick	2.32	1.12	3.44

See the Reference Section for Location Factors and Historical Cost Indexes.

6.6-100	Tile & Covering	COST PER S.F. MAT.	INST.	TOTAL
1340	Cork tile, minimum	2.22	.88	3.10
1360	Maximum	8.45	.88	9.33
1380	Polyethylene, in rolls, minimum	1.93	1.01	2.94
1400	Maximum	3.85	1.01	4.86
1420	Polyurethane, thermoset, minimum	3.03	2.78	5.81
1440	Maximum	3.63	5.55	9.18
1460	Rubber, sheet goods, minimum	2.78	2.31	5.09
1480	Maximum	4.53	3.08	7.61
1500	Tile, minimum	2.78	.69	3.47
1520	Maximum	5.40	1.01	6.41
1580	Vinyl, composition tile, minimum	.66	.56	1.22
1600	Maximum	1.63	.56	2.19
1620	Tile, minimum	1.49	.56	2.05
1640	Maximum	2.32	.56	2.88
1660	Sheet goods, minimum	1.21	1.11	2.32
1680	Maximum	4.62	1.39	6.01
1720	Tile, ceramic natural clay	3.48	2.72	6.20
1730	Marble, synthetic 12"x12"x5/8"	6.40	8.30	14.70
1740	Porcelain type, minimum	3.77	2.72	6.49
1760	Maximum	4.27	2.62	6.89
1800	Quarry tile, mud set, minimum	2.97	3.56	6.53
1820	Maximum	4.46	4.53	8.99
1840	Thin set, deduct		.71	.71
1850				
1860	Terrazzo precast, minimum	4.75	3.70	8.45
1880	Maximum	5.35	3.70	9.05
1900	Non-slip, minimum	10.05	18.30	28.35
1920	Maximum	15.15	25.50	40.65
1960	Wood, block, end grain factory type, creosoted, 2" thick	2.37	.99	3.36
1980	2-1/2" thick	3.52	2.35	5.87
2000	3" thick	3.52	2.35	5.87
2020	Natural finish, 2" thick	3.83	2.35	6.18
2040	Fir, vertical grain, 1"x4", no finish, minimum	1.98	1.15	3.13
2060	Maximum	2.07	1.15	3.22
2080	Prefinished white oak, prime grade, 2-1/4" wide	5.45	1.72	7.17
2100	3-1/4" wide	6.55	1.58	8.13
2120	Maple strip, sanded and finished, minimum	2.88	2.63	5.51
2140	Maximum	3.43	2.63	6.06
2160	Oak strip, sanded and finished, minimum	3.32	2.49	5.81
2180	Maximum	3.56	2.63	6.19
2200	Parquetry, sanded and finished, minimum	2.39	2.74	5.13
2220	Maximum	6.15	3.84	9.99
2260	Add for sleepers on concrete, treated, 24" O.C., 1"x2"	.71	1.53	2.24
2280	1"x3"	.71	1.22	1.93
2300	2"x4"	.62	1.22	1.84
2340	Underlayment, plywood, 3/8" thick	.36	.40	.76
2350	1/2" thick	.44	.41	.85
2360	5/8" thick	.54	.43	.97
2370	3/4" thick	.66	.46	1.12
2380	Particle board, 3/8" thick	.26	.40	.66
2390	1/2" thick	.28	.41	.69
2400	5/8" thick	.31	.43	.74
2410	3/4" thick	.35	.46	.81
2420	Hardboard, 4' x 4', .215" thick	.36	.40	.76

6.7-100 Drywall Ceilings

	TYPE	FINISH	FURRING	SUPPORT		COST PER S.F. MAT.	INST.	TOTAL
5700	5/8" F.R. drywall	painted and textured	1-5/8"metal studs	24" O.C.		.67	1.74	2.41
5702								

6.7-100 Acoustical Ceilings

	TYPE	TILE	GRID	SUPPORT		COST PER S.F. MAT.	INST.	TOTAL
5800	5/8" fiberglass board	24" x 48"	tee	suspended		.83	.85	1.68
5900		24" x 24"	tee	suspended		.94	.93	1.87
6000	3/4" fiberglass board	24" x 48"	tee	suspended		.91	.87	1.78
6100		24" x 24"	tee	suspended		1.02	.95	1.97
6500	5/8" mineral fiber	12" x 12"	1"x3" wood, 12" O.C.	wood		.73	1.13	1.86
6600				masonry		.73	1.21	1.94
6700				concrete		.73	1.69	2.42
6800	3/4" mineral fiber	12" x 12"	1"x3" wood, 12" O.C.	wood		.90	1.13	2.03
6900				masonry		.90	1.13	2.03
7000				concrete		.90	1.13	2.03
7100	3/4"mineral fiber on	12" x 12"	25 ga. channels	runners		1.23	1.54	2.77
7102	5/8" F.R. drywall							
7200	5/8" plastic coated	12" x 12"		adhesive backed		.81	.29	1.10
7201	Mineral fiber							
7202								
7300	3/4" plastic coated	12" x 12"		adhesive backed		.98	.29	1.27
7301	Mineral fiber							
7302								
7400	3/4" mineral fiber	12" x 12"	conceal 2" bar &	suspended		1.48	1.48	2.96
7401			channels					
7402								

6.7-810 Acoustical Ceilings

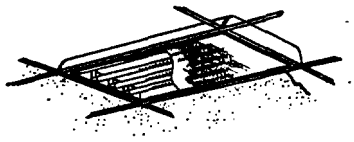
		COST PER S.F. MAT.	INST.	TOTAL
2480	Ceiling boards, eggcrate, acrylic, 1/2" x 1/2" x 1/2" cubes	1.18	.59	1.77
2500	Polystyrene, 3/8" x 3/8" x 1/2" cubes	.97	.57	1.54
2520	1/2" x 1/2" x 1/2" cubes	1.32	.59	1.91
2540	Fiberglass boards, plain, 5/8" thick	.43	.47	.90
2560	3/4" thick	.51	.49	1
2580	Grass cloth faced, 3/4" thick	1.39	.59	1.98
2600	1" thick	1.54	.60	2.14
2620	Luminous panels, prismatic, acrylic	1.40	.73	2.13
2640	Polystyrene	.73	.73	1.46
2660	Flat or ribbed, acrylic	2.45	.73	3.18
2680	Polystyrene	1.67	.73	2.40
2700	Drop pan, white, acrylic	3.61	.73	4.34
2720	Polystyrene	2.99	.73	3.72
2740	Mineral fiber boards, 5/8" thick, standard	.50	.43	.93
2760	Plastic faced	.77	.73	1.50
2780	2 hour rating	.68	.43	1.11
2800	Perforated aluminum sheets, .024 thick, corrugated painted	1.45	.60	2.05
2820	Plain	1.30	.59	1.89
3080	Mineral fiber, plastic coated, 12" x 12" or 12" x 24", 5/8" thick	.55	.29	.84
3100	3/4" thick	.72	.29	1.01
3120	Fire rated, 3/4" thick, plain faced	.75	.29	1.04
3140	Mylar faced	.80	.29	1.09
3160	Add for ceiling primer	.10		.10
3180	Add for ceiling cement	.26		.26
3240	Suspension system, furring, 1" x 3" wood 12" O.C.	.18	.84	1.02
3260	T bar suspension system, 2' x 4' grid	.39	.37	.76

For expanded coverage of these items see *Means Assemblies Cost Data 1993*

7.1-200	Traction Geared Elevators	COST EACH MAT.	INST.	TOTAL
2800	4500 Lb., 5 floors, 200 FPM	88,500	32,600	121,100
3000	15 floors, 350 FPM	172,000	73,000	245,000
3100	5000 Lb., 5 floors, 200 FPM	89,500	32,600	122,100
3300	15 floors, 350 FPM	173,500	73,000	246,500
4000	Hospital, 3500 Lb., 5 floors, 200 FPM	84,500	35,700	120,200
4200	15 floors, 350 FPM	179,500	76,000	255,500
4300	4000 Lb., 5 floors, 200 FPM	86,500	35,700	122,200
4500	15 floors, 350 FPM	181,500	76,000	257,500
4600	4500 Lb., 5 floors, 200 FPM	89,000	35,700	124,700
4800	15 floors, 350 FPM	184,000	76,000	260,000
4900	5000 Lb., 5 floors, 200 FPM	90,000	35,700	125,700
5100	15 floors, 350 FPM	185,500	76,000	261,500
6000	Freight, 4000 Lb., 5 floors, 50 FPM class 'B'	61,500	37,900	99,400
6200	15 floors, 200 FPM class 'B'	165,500	86,000	251,500
6300	8000 Lb., 5 floors, 50 FPM class 'B'	76,000	37,900	113,900
6500	15 floors, 200 FPM class 'B'	180,000	86,000	266,000
7000	10,000 Lb., 5 floors, 50 FPM class 'B'	132,000	33,900	165,900
7200	15 floors, 200 FPM class 'B'	413,000	69,000	482,000
8000	20,000 Lb., 5 floors, 50 FPM class 'B'	140,000	33,900	173,900
8200	15 floors, 200 FPM class 'B'	420,500	69,000	489,500

7.1-300	Traction Gearless Elevators	COST EACH MAT.	INST.	TOTAL
1700	Passenger, 2500 Lb., 10 floors, 200 FPM	175,000	65,000	240,000
1900	30 floors, 600 FPM	370,000	146,000	516,000
2000	3000 Lb., 10 floors, 200 FPM	175,500	65,000	240,500
2200	30 floors, 600 FPM	370,500	146,000	516,500
2300	3500 Lb., 10 floors, 200 FPM	177,000	65,000	242,000
2500	30 floors, 600 FPM	372,000	146,000	518,000
2700	50 floors, 800 FPM	548,500	226,500	775,000
2800	4000 lb., 10 floors, 200 FPM	178,000	65,000	243,000
3000	30 floors, 600 FPM	373,000	146,000	519,000
3200	50 floors, 800 FPM	549,500	226,500	776,000
3300	4500 lb., 10 floors, 200 FPM	179,000	65,000	244,000
3500	30 floors, 600 FPM	374,000	146,000	520,000
3700	50 floors, 800 FPM	515,000	217,000	732,000
3800	5000 lb., 10 floors, 200 FPM	180,500	65,000	245,500
4000	30 floors, 600 FPM	340,000	136,000	476,000
4200	50 floors, 800 FPM	516,500	217,000	733,500
6000	Hospital, 3500 Lb., 10 floors, 200 FPM	181,500	68,500	250,000
6200	30 floors, 600 FPM	402,000	149,000	551,000
6400	4000 Lb., 10 floors, 200 FPM	183,500	68,500	252,000
6600	30 floors, 600 FPM	404,000	149,000	553,000
6800	4500 Lb., 10 floors, 200 FPM	186,000	68,500	254,500
7000	30 floors, 600 FPM	406,500	149,000	555,500
7200	5000 Lb., 10 floors, 200 FPM	187,500	68,500	256,000
7400	30 floors, 600 FPM	408,000	149,000	557,000

See the Reference Section for Location Factors and Historical cost Indexes.



Fluorescent Fixture

Incandescent Fixture

9.2-213	Fluorescent Fixtures (by Wattage)	COST PER S.F. MAT.	INST.	TOTAL
0190	Fluorescent fixtures recess mounted in ceiling			
0200	1 watt per S.F., 20 FC, 5 fixtures per 1000 S.F.	.58	.94	1.52
0240	2 watts per S.F., 40 FC, 10 fixtures per 1000 S.F.	1.15	1.86	3.01
0280	3 watts per S.F., 60 FC, 15 fixtures per 1000 S.F	1.74	2.79	4.53
0320	4 watts per S.F., 80 FC, 20 fixtures per 1000 S.F.	2.32	3.70	6.02
0400	5 watts per S.F., 100 FC, 25 fixtures per 1000 S.F.	2.88	4.64	7.52

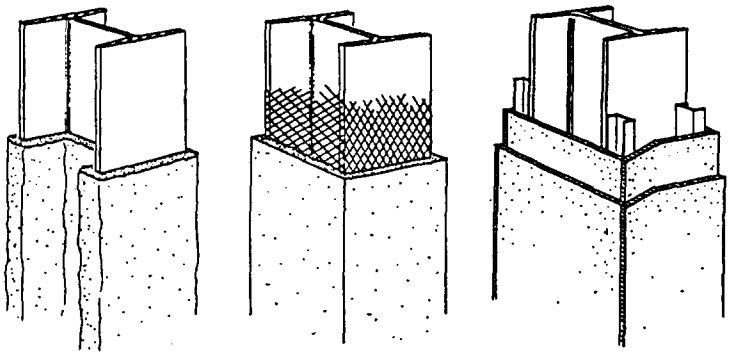
9.2-223	Incandescent Fixture (by Wattage)	COST PER S.F. MAT.	INST.	TOTAL
0190	Incandescent fixture recess mounted, type A			
0200	1 watt per S.F., 8 FC, 6 fixtures per 1000 S.F.	.41	.76	1.17
0240	2 watt per S.F., 16 FC, 12 fixtures per 1000 S.F.	.85	1.52	2.37
0280	3 watt per S.F., 24 FC, 18 fixtures, per 1000 S.F.	1.25	2.25	3.50
0320	4 watt per S.F., 32 FC, 24 fixtures per 1000 S.F.	1.70	3.01	4.71
0400	5 watt per S.F., 40 FC, 30 fixtures per 1000 S.F.	2.11	3.76	5.87

9.2-235	H.I.D. Fixture, High Bay (by Wattage)	COST PER S.F. MAT.	INST.	TOTAL
0190	High intensity discharge fixture, 16' above work plane			
0200	1 watt/S.F., type D, 23 FC, 1 fixture/1000 S.F.	.68	.76	1.44
0240	Type E, 42 FC, 1 fixture/1000 S.F.	.81	.79	1.60
0280	Type G, 52 FC, 1 fixture/1000 S.F.	.81	.79	1.60
0320	Type C, 54 FC, 2 fixture/1000 S.F.	1.20	.89	2.09
0400	2 watt/S.F., type D, 45 FC, 2 fixture/1000 S.F.	1.36	1.52	2.88
0440	Type E, 84 FC, 2 fixture/1000 S.F.	1.62	1.61	3.23
0480	Type G, 105 FC, 2 fixture/1000 S.F.	1.62	1.61	3.23
0520	Type C, 108 FC, 4 fixture/1000 S.F.	2.41	1.77	4.18
0600	3 watt/S.F., type D, 68 FC, 3 fixture/1000 S.F.	2.04	2.24	4.28
0640	Type E, 126 FC, 3 fixture/1000 S.F.	2.44	2.40	4.84
0680	Type G, 157 FC, 3 fixture/1000 S.F.	2.44	2.40	4.84
0720	Type C, 162 FC, 6 fixture/1000 S.F.	3.61	2.65	6.26
0800	4 watt/ S.F., type D, 91 FC, 4 fixture/1000 S.F.	2.90	3.54	6.44
0840	Type E, 168 FC, 4 fixture/1000 S.F.	3.24	3.22	6.46
0880	Type G, 210 FC, 4 fixture/1000 S.F.	3.24	3.22	6.46
0920	Type C, 243 FC, 9 fixture/1000 S.F.	5.30	3.68	8.98
1000	5 watt/S.F., type D, 113 FC, 5 fixture/1000 S.F.	3.40	3.76	7.16
1040	Type E, 210 FC, 5 fixture/1000 S.F.	4.07	4.01	8.08
1080	Type G, 262 FC, 5 fixture/1000 S.F.	4.07	4.01	8.08
1120	Type C, 297 FC, 11 fixture/1000 S.F.	6.55	4.57	11.12

Location Factors

Costs shown in *Means Square Foot Costs 1993* are based on National Averages for materials and installation. To adjust these costs to a specific location, simply multiply the base cost by the factor for that city. The data is arranged alphabetically by state and postal zip code numbers. For a city not listed, use the factor for a nearby city with similar economic characteristics.

STATE/ZIP	CITY	Residential	Commercial
ALABAMA			
350-352	Birmingham	.81	.82
354	Tuscaloosa	.81	.79
355	Jasper	.81	.82
356	Decatur	.83	.84
357-358	Huntsville	.83	.84
359	Gadsden	.81	.82
360-361	Montgomery	.82	.80
362	Anniston	.81	.82
363	Dothan	.82	.80
364	Evergreen	.82	.80
365-366	Mobile	.83	.84
367	Selma	.82	.80
368	Phenix City	.82	.80
369	Butler	.82	.80
ALASKA			
995-996	Anchorage	1.24	1.23
997	Fairbanks	1.24	1.23
998	Juneau	1.24	1.23
999	Ketchikan	1.24	1.23
ARIZONA			
850, 853	Phoenix	.93	.90
852	Mesa/Tempe	.93	.90
855	Globe	.93	.90
856-857	Tucson	.93	.90
859	Show Low	.94	.90
860	Flagstaff	.94	.90
863	Prescott	.94	.90
864	Kingman	.94	.90
865	Chambers	.94	.90
ARKANSAS			
716	Pine Bluff	.83	.83
717	Camden	.83	.83
718	Texarkana	.82	.81
719	Hot Springs	.83	.83
720-722	Little Rock	.83	.83
723	West Memphis	.87	.87
724	Jonesboro	.87	.87
725	Batesville	.83	.83
726	Harrison	.83	.83
727	Fayetteville	.84	.81
728	Russellville	.84	.81
729	Fort Smith	.84	.81
CALIFORNIA			
900-918	Los Angeles	1.13	1.13
919-921	San Diego	1.11	1.07
922	Palm Springs	1.13	1.09
923-924	San Bernardino	1.13	1.09
925	Riverside	1.13	1.09
926-927	Santa Ana	1.15	1.12
928	Anaheim	1.14	1.12
930	Ventura	1.15	1.10
931	Santa Barbara	1.16	1.13
932-933	Bakersfield	1.10	1.05
934	San Luis Obispo	1.17	1.05
935	Mojave	1.09	1.05
936-937	Fresno	1.12	1.08
939	Salinas	1.08	1.08
940-941	San Francisco	1.21	1.24
943	Palo Alto	1.21	1.24
944	San Mateo	1.21	1.24
945-946	Oakland	1.21	1.24
947	Berkeley	1.21	1.24
948	Richmond	1.21	1.24
949	San Rafael	1.22	1.16
950-951	San Jose	1.26	1.24
952-953	Stockton	1.14	1.10
954	Santa Rosa	1.13	1.16
CALIF. (Cont.)			
955	Eureka	1.09	1.08
956-958	Sacramento	1.09	1.08
959	Marysville	1.09	1.08
960	Redding	1.09	1.08
961	Susanville	1.09	1.08
COLORADO			
800-802	Denver	.95	.91
803	Boulder	.95	.91
804	Golden	.95	.91
805	Fort Collins	.97	.91
806	Greeley	.97	.91
807	Fort Morgan	.97	.91
808-809	Colorado Springs	.91	.89
810	Pueblo	.92	.90
811	Alamosa	.92	.90
812	Salida	.92	.90
813	Durango	.92	.90
814	Montrose	.92	.90
815	Grand Junction	.96	.91
816	Glenwood Springs	.96	.91
CONNECTICUT			
060-061	Hartford	1.02	1.03
062	Willimantic	1.00	1.01
063	New London	1.02	1.01
064-065	New Haven	1.00	1.01
066	Bridgeport	1.02	1.05
067	Waterbury	.99	.99
068-069	Stamford	1.04	1.08
DELAWARE			
197-198	Wilmington	1.03	1.04
199	Dover	1.03	1.04
DISTRICT OF COLUMBIA			
200-205	Washington	.94	.96
FLORIDA			
320-322	Jacksonville	.85	.84
323	Tallahassee	.77	.79
324	Panama City	.77	.79
325	Pensacola	.81	.79
326	Gainesville	.87	.84
327-328, 347	Orlando	.86	.84
329	Melbourne	.85	.84
330-331	Miami	.85	.87
333	Fort Lauderdale	.85	.87
334, 349	West Palm Beach	.90	.87
335-337, 342, 346	Tampa	.84	.86
337	St. Petersburg	.84	.86
338	Lakeland	.84	.86
339	Fort Meyers	.86	.86
GEORGIA			
300-303	Atlanta	.84	.89
304	Statesboro	.83	.85
305	Gainesville	.84	.89
306	Athens	.84	.89
307	Dalton	.86	.85
308-309	Augusta	.87	.89
310-312	Macon	.82	.82
313-314	Savannah	.84	.85
315	Waycross	.81	.81
316	Valdosta	.79	.79
317	Albany	.79	.81
318-319	Columbus	.79	.79
HAWAII			
967-968	Honolulu	1.24	1.20



Listed below are costs per V.L.F. for fireproofing by material, column size, thickness and fire rating. Weights listed are for the fireproofing material only.

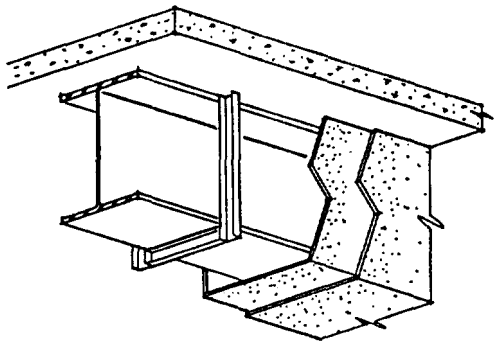
System Components	QUANTITY	UNIT	COST PER V.L.F. MAT.	INST.	TOTAL
SYSTEM 3.1-190-3000					
CONCRETE FIREPROOFING, 8" STEEL COLUMN, 1" THICK, 1 HR. FIRE RATING					
Forms in place, columns, plywood, 4 uses	3.330	SFCA	2.80	15.19	17.99
Welded wire fabric, 2 x 2 #14 galv. 21 lb./C.S.F., column wrap	2.700	S.F.	.38	3.02	3.40
Concrete ready mix, regular weight, 3000 psi	.621	C.F.	1.22		1.22
Place and vibrate concrete, 12" sq./round columns, pumped	.621	C.F.		1.36	1.36
Total			4.40	19.57	23.97

3.1-190 Steel Column Fireproofing

	ENCASEMENT SYSTEM	COLUMN SIZE (IN.)	THICKNESS (IN.)	FIRE RATING (HRS.)	WEIGHT (P.L.F.)	COST PER V.L.F. MAT.	INST.	TOTAL
3000	Concrete	8	1	1	110	4.40	19.55	23.95
3050			1-1/2	2	133	4.98	22	26.98
3100			2	3	145	5.60	23.50	29.10
3150		10	1	1	145	5.60	24.50	30.10
3200			1-1/2	2	168	6.15	26	32.15
3250			2	3	196	6.85	28	34.85
3300		14	1	1	258	6.90	28.50	35.40
3350			1-1/2	2	294	7.50	31	38.50
3400			2	3	325	8.20	32.50	40.70
3450	Gypsum board	8	1/2	2	8	2.39	11.35	13.74
3500	1/2" fire rated	10	1/2	2	11	2.56	11.85	14.41
3550	1 layer	14	1/2	2	18	2.65	12.15	14.80
3600	Gypsum board	8	1	3	14	3.53	14.50	18.03
3650	1/2" fire rated	10	1	3	17	3.85	15.40	19.25
3700	2 layers	14	1	3	22	4.02	15.85	19.87
3750	Gypsum board	8	1-1/2	3	23	4.92	18.30	23.22
3800	1/2" fire rated	10	1-1/2	3	27	5.60	20	25.60
3850	3 layers	14	1-1/2	3	35	6.30	22	28.30
3900	Sprayed fiber	8	1-1/2	2	6.3	2.51	4.61	7.12
3950	Direct application		2	3	8.3	3.46	6.35	9.81
4000			2-1/2	4	10.4	4.48	8.25	12.73
4050		10	1-1/2	2	7.9	3.03	5.55	8.58
4100			2	3	10.5	4.15	7.60	11.75
4150			2-1/2	4	13.1	5.35	9.80	15.15

ATTACHMENT 3
MEANS ASSEMBLY COST

See the Reference Section for reference number information and City Cost Indexes.



The table below lists fireproofing costs for steel beams by type, beam size, thickness and fire rating. Weights listed are for the fireproofing material only.

System Components	QUANTITY	UNIT	COST PER L.F. MAT.	INST.	TOTAL
SYSTEM 3.1-290-1300					
FIREPROOFING, 5/8" F.R. GYP. BOARD, 12"X 4" BEAM, 2" THICK, 2 HR. F.R.					
Corner bead for drywall, 1-1/4" x 1-1/4", galvanized	.020	C.L.F.	.23	1.68	1.91
L bead for drywall, galvanized	.020	C.L.F.	.32	1.95	2.27
Furring, beams & columns, 3/4" galv. channels, 24" O.C.	2.330	S.F.	.44	3.52	3.96
Drywall on beam, no finish, 2 layers at 5/8" thick	3.000	S.F.	1.77	5.85	7.62
Drywall, taping and finishing joints, add	3.000	S.F.	.24	.87	1.11
Total			3	13.87	16.87

3.1-290 Steel Beam Fireproofing

	ENCASEMENT SYSTEM	BEAM SIZE (IN.)	THICKNESS (IN.)	FIRE RATING (HRS.)	WEIGHT (P.L.F.)	COST PER L.F. MAT.	INST.	TOTAL
0400	Concrete	12x4	1	1	77	3.23	15.25	18.48
0450	3000 PSI		1-1/2	2	93	3.71	16.70	20.41
0500			2	3	121	4.11	18.20	22.31
0550		14x5	1	1	100	4.12	18.90	23.02
0600			1-1/2	2	122	4.65	21.50	26.15
0650			2	3	142	5.20	23.50	28.70
0700		16x7	1	1	147	4.93	20.50	25.43
0750			1-1/2	2	169	5.35	21	26.35
0800			2	3	195	5.85	23	28.85
0850		18x7-1/2	1	1	172	5.60	23.50	29.10
0900			1-1/2	2	196	6.20	26	32.20
0950			2	3	225	6.85	28.50	35.35
1000		24x9	1	1	264	7.70	29	36.70
1050			1-1/2	2	295	8.30	30.50	38.80
1100			2	3	328	8.90	32.50	41.40
1150		30x10-1/2	1	1	366	9.95	36.50	46.45
1200			1-1/2	2	404	10.70	39	49.70
1250			2	3	449	11.25	41.50	52.75
1300	5/8" fire rated	12x4	2	2	15	3	13.85	16.85
1350	Gypsum board		2-5/8	3	24	4.05	17.15	21.20
1400		14x5	2	2	17	3.09	14.45	17.54
1450			2-5/8	3	27	4.30	18.25	22.55
1500		16x7	2	2	20	3.48	16.20	19.68
1550			2-5/8	3	31	4.21	15.50	19.71
1600	5/8" fire rated	18x7-1/2	2	2	22	3.74	17.35	21.09
1650	Gypsum board		2-5/8	3	34	5.15	22	27.15
1700		24x9	2	2	27	4.65	21.50	26.15
1750			2-5/8	3	42	6.40	27	33.40

See the Reference Section for reference number information and City Cost Indexes.