

7 84 Firestopping

7 84 13 – Penetration Firestopping

7 84 13.10 Firestopping		Crew	Daily Output	Labor-Hours	Unit	Material	2022 Bare Costs		Total	Total Incl O&P
							Labor	Equipment		
80	With stiffener/closure angle, through floors, 6" x 12"	1 Carp	10	.800	Ea.	10.50	45		55.50	78.50
90	12" x 24"	↓	8	1	↓	52	56.50		108.50	141
00	24" x 48"	↓	6	1.333	↓	104	75		179	226
10	Multi trade openings									
20	Through walls, 6" x 12"	1 Carp	2	4	Ea.	79	225		304	420
30	12" x 24"	"	1	8	"	213	450		663	905
40	24" x 48"	2 Carp	1	16		645	900		1,545	2,050
50	48" x 96"	"	.75	21.333		2,575	1,200		3,775	4,625
60	Through floors, 6" x 12"	1 Carp	2	4		48.50	225		273.50	390
70	12" x 24"	"	1	8		64.50	450		514.50	740
80	24" x 48"	2 Carp	.75	21.333		139	1,200		1,339	1,950
90	48" x 96"	"	.50	32	↓	325	1,800		2,125	3,025
00	Structural penetrations, through walls									
10	Steel beams, W8 x 10	1 Carp	8	1	Ea.	74.50	56.50		131	166
20	W12 x 14		6	1.333		108	75		183	231
30	W21 x 44		5	1.600		166	90		256	315
40	W36 x 135		3	2.667		235	150		385	480
50	Bar joists, 18" deep		6	1.333		43.50	75		118.50	160
60	24" deep		6	1.333		61	75		136	180
70	36" deep		5	1.600		92	90		182	235
80	48" deep	↓	4	2	↓	133	113		246	315
90	Construction joints, floor slab at exterior wall									
00	Precast, brick, block or drywall exterior									
10	2" wide joint	1 Carp	125	.064	L.F.	11.10	3.60		14.70	17.55
20	4" wide joint	"	75	.107	"	17.10	6		23.10	28
30	Metal panel, glass or curtain wall exterior									
40	2" wide joint	1 Carp	40	.200	L.F.	12.60	11.25		23.85	30.50
50	4" wide joint	"	25	.320	"	14.30	18		32.30	43
60	Floor slab to drywall partition									
70	Flat joint	1 Carp	100	.080	L.F.	14.50	4.50		19	22.50
80	Fluted joint		50	.160	↓	16.85	9		25.85	32
90	Etched fluted joint	↓	75	.107	↓	20.50	6		26.50	31.50
00	Floor slab to concrete/masonry partition									
10	Flat joint	1 Carp	75	.107	L.F.	16.90	6		22.90	27.50
20	Fluted joint	"	50	.160	"	18.40	9		27.40	33.50
30	Concrete/CMU wall joints									
40	1" wide	1 Carp	100	.080	L.F.	20.50	4.50		25	29
50	2" wide	↓	75	.107	↓	32	6		38	44
60	4" wide	↓	50	.160	↓	36	9		45	53.50
70	Concrete/CMU floor joints									
80	1" wide	1 Carp	200	.040	L.F.	21.50	2.25		23.75	27.50
90	2" wide	↓	150	.053	↓	25	3		28	32
00	4" wide	↓	100	.080	↓	36	4.50		40.50	46.50