

13 21 Controlled Environment Rooms

13 21 26 – Cold Storage Rooms

13 21 26.50 Refrigeration		Crew	Daily Output	Labor-Hours	Unit	Material	2022 Bare Costs		Total	Total Incl O&P
							Labor	Equipment		
0010	REFRIGERATION									
0020	Curbs, 12" high, 4" thick, concrete	2 Carp	58	.276	L.F.	3.31	15.55		18.86	26.50
1000	Doors, see Section 08 34 13.10									
2400	Finishes, 2 coat Portland cement plaster, 1/2" thick	1 Plas	48	.167	S.F.	.80	8.55		9.35	13.65
2500	For galvanized reinforcing mesh, add	1 Lath	335	.024		.61	1.34		1.95	2.62
2700	3/16" thick latex cement	1 Plas	88	.091		1.50	4.67		6.17	8.60
2900	For glass cloth reinforced ceilings, add	"	450	.018		.64	.91		1.55	2.06
3100	Fiberglass panels, 1/8" thick	1 Carp	149.45	.054	S.F.	2.38	3.01		5.39	7.10
3200	Polystyrene, plastic finish ceiling, 1" thick		274	.029		2.84	1.64		4.48	5.55
3400	2" thick		274	.029		3.19	1.64		4.83	5.95
3500	4" thick		219	.037		4.05	2.06		6.11	7.50
3800	Floors, concrete, 4" thick	1 Cft	93	.086		2.07	4.57		6.64	9
3900	6" thick	"	85	.094		3.24	5		8.24	10.85
4000	Insulation, 1" to 6" thick, cork				B.F.	1.50			1.50	1.65
4100	Urethane					.70			.70	.77
4300	Polystyrene, regular					.73			.73	.80
4400	Bead board					.28			.28	.31
4600	Installation of above, add per layer	2 Carp	657.60	.024	S.F.	.44	1.37		1.81	2.52
4700	Wall and ceiling juncture		298.90	.054	L.F.	1.41	3.01		4.42	6.05
4900	Partitions, galvanized sandwich panels, 4" thick, stock		219.20	.073	S.F.	10.10	4.11		14.21	17.20
5000	Aluminum or fiberglass		219.20	.073	"	6.45	4.11		10.56	13.20
5200	Prefab walk-in, 7'-6" high, aluminum, incl. refrigeration, door & floor									
5210	not incl. partitions, 6' x 6'	2 Carp	54.80	.292	SF Flr.	105	16.45		121.45	141
5500	10' x 10'		82.20	.195		85	10.95		95.95	110
5700	12' x 14'		109.60	.146		76	8.20		84.20	96
5800	12' x 20'		109.60	.146		115	8.20		123.20	139
6100	For 8'-6" high, add					5%				
6300	Rule of thumb for complete units, w/o doors & refrigeration, cooler	2 Carp	146	.110		176	6.15		182.15	202
6400	Freezer		109.60	.146		113	8.20		121.20	136
6600	Shelving, plated or galvanized, steel wire type		360	.044	SF Hor.	8.35	2.50		10.85	12.90
6700	Slat shelf type		375	.043		17.65	2.40		20.05	23
6900	For stainless steel shelving, add					300%				
7000	Vapor barrier, on wood walls	2 Carp	1644	.010	S.F.	.19	.55		.74	1.03
7200	On masonry walls	"	1315	.012	"	.33	.69		1.02	1.38
7500	For air curtain doors, see Section 23 34 33.10									

13 21 48 – Sound-Conditioned Rooms

13 21 48.10 Anechoic Chambers

0010	ANECHOIC CHAMBERS Standard units, 7' ceiling heights									
0100	Area for pricing is net inside dimensions									
0300	200 cycles per second cutoff, 25 S.F. floor area				SF Flr.	1,900			1,900	2,100
0700	100 S.F.					1,425			1,425	1,575
0900	For 150 cycles per second cutoff, add to 100 S.F. room								30%	30%
1000	For 100 cycles per second cutoff, add to 100 S.F. room								45%	45%

13 21 48.15 Audiometric Rooms

0010	AUDIOMETRIC ROOMS									
0020	Under 500 S.F. surface	4 Carp	98	.327	SF Surf	61.50	18.40		79.90	95
0100	Over 500 S.F. surface	"	120	.267	"	58	15		73	86.50