

# 13 49 Radiation Protection

## 13 49 23 – Integrated RFI/EMI Shielding Assemblies

### 13 49 23.50 Modular Shielding Partitions

		Daily Crew	Output	Labor- Hours	Unit	Material	2022 Bare Costs Labor	Equipment	Total	Total Incl O&P
0010	<b>MODULAR SHIELDING PARTITIONS</b>									
4000	X-ray barriers, modular, panels mounted within framework for									
4002	attaching to floor, wall or ceiling, upper portion is clear lead									
4005	plastic window panels 48"H, lower portion is opaque leaded									
4008	steel panels 36"H, structural supports not incl.									
4010	1-section barrier, 36"W x 84"H overall									
4020	0.5 mm LE panels	H-3	6.40	2.500	Ea.	10,400	122		10,522	11,700
4030	0.8 mm LE panels		6.40	2.500		11,200	122		11,322	12,600
4040	1.0 mm LE panels		5.33	3.002		15,600	146		15,746	17,300
4050	1.5 mm LE panels	↓	5.33	3.002	↓	18,300	146		18,446	20,400
4060	2-section barrier, 72"W x 84"H overall									
4070	0.5 mm LE panels	H-3	4	4	Ea.	15,800	195		15,995	17,700
4080	0.8 mm LE panels		4	4		16,300	195		16,495	18,200
4090	1.0 mm LE panels		3.56	4.494		17,700	219		17,919	19,800
5000	1.5 mm LE panels	↓	3.20	5	↓	31,700	243		31,943	35,200
5010	3-section barrier, 108"W x 84"H overall									
5020	0.5 mm LE panels	H-3	3.20	5	Ea.	23,700	243		23,943	26,400
5030	0.8 mm LE panels		3.20	5		24,400	243		24,643	27,200
5040	1.0 mm LE panels		2.67	5.993		26,500	292		26,792	29,600
5050	1.5 mm LE panels	↓	2.46	6.504	↓	48,000	315		48,315	53,500
7000	X-ray barriers, mobile, mounted within framework w/casters on									
7005	bottom, clear lead plastic window panels on upper portion,									
7010	opaque on lower, 30"W x 75"H overall, incl. framework									
7020	24"H upper w/0.5 mm LE, 48"H lower w/0.8 mm LE	1 Carp	16	.500	Ea.	5,325	28		5,353	5,925
7030	48"W x 75"H overall, incl. framework									
7040	36"H upper w/0.5 mm LE, 36"H lower w/0.8 mm LE	1 Carp	16	.500	Ea.	7,575	28		7,603	8,375
7050	36"H upper w/1.0 mm LE, 36"H lower w/1.5 mm LE	"	16	.500	"	8,425	28		8,453	9,325
7060	72"W x 75"H overall, incl. framework									
7070	36"H upper w/0.5 mm LE, 36"H lower w/0.8 mm LE	1 Carp	16	.500	Ea.	8,425	28		8,453	9,325
7080	36"H upper w/1.0 mm LE, 36"H lower w/1.5 mm LE	"	16	.500	"	10,600	28		10,628	11,600

## 13 49 33 – Radio Frequency Shielding

### 13 49 33.50 Shielding, Radio Frequency

0010	<b>SHIELDING, RADIO FREQUENCY</b>									
0020	Prefabricated, galvanized steel	2 Carp	375	.043	SF Surf	6.70	2.40		9.10	11
0040	5 oz., copper floor panel		480	.033		5.45	1.88		7.33	8.80
0050	5 oz., copper wall/ceiling panel		155	.103		5.45	5.80		11.25	14.65
0100	12 oz., copper floor panel		470	.034		11.35	1.92		13.27	15.35
0110	12 oz., copper wall/ceiling panel		140	.114	↓	11.35	6.45		17.80	22
0150	Door, copper/wood laminate, 4' x 7'	↓	1.50	10.667	Ea.	10,200	600		10,800	12,100

# 13 53 Meteorological Instrumentation

## 13 53 09 – Weather Instrumentation

### 13 53 09.50 Weather Station

0010	<b>WEATHER STATION</b>									
0020	Remote recording, solar powered, with rain gauge & display, 400' range				Ea.	905			905	1,000
0100	1 mile range				"	1,750			1,750	1,900