07	21 Thermal Insulation										
07 21 23 - Loose-Fill Insulation											
7 2	1 23.20 Masonry Loose-Fill Insulation		Crew	Daily Output	Labor- Hours	Unit	Material	2022 Bo Labor	ore Costs Equipment	Total	Total Incl O&P
010	MASONRY LOOSE-FILL INSULATION, vermiculite or perlite			•					* 1		
100	In cores of concrete block, 4" thick wall, .115 C.F./S.F.	G	, D-1	4800	.003	S.F.	.36	.17		.53 [.65
200	6" thick wall, .175 C.F./S.F.	G	D-1	3000	.005	S.F.	.55	.27		.82	1.01
300	8" thick wall, .258 C.F./S.F.	G		2400	.007		.81	.33		1.14	1.39
400	10" thick wall, .340 C.F./S.F.	G		1850	.009		1.07	.43		1.50	1.83
500	12" thick wall, .422 C.F./S.F.	G		1200	.013	+	1.33	.67		2	2.46
600	Poured cavity wall, vermiculite or perlite, water repellent	G		250	.064	C.F.	3.15	3.21		6.36	8.30
700	Foamed in place, urethane in 2-5/8" cavity	G	G-2A	1035	.023	S.F.	1.84	1.02	.64	3.50	4.34
800	For each 1" added thickness, add	G	3 11	2372	.010	"	.70	.45	.28	1.43	1.78
7 2	21 26 – Blown Insulation										1. 1.
	1 26.10 Blown Insulation		, .					The state of the s	QUITE SER PROCESSION)	
010	BLOWN INSULATION Ceilings, with open access			5000	005	0.5		0.0	7.5	10	
020	Cellulose, 3-1/2" thick, R13	G	G-4	5000	.005	S.F.	.29	.22	.11	.62	.77
030	5-3/16" thick, R19	G		3800	.006		.42	.29	.14	.85	1.07
050	6-1/2" thick, R22	G		3000	.008		.54	.37	.18	1.09	1.35
100	8-11/16" thick, R30	G		2600	.009		.73	.43	.21	1.37	1.67
120	10-7/8" thick, R38	G		1800	.013		.93	.62	.30	1.85	2.28
000	Fiberglass, 5.5" thick, R11	G		3800	.006		.24	.29	.14	.67	.87
050	6" thick, R12	G		3000	.008		.35	.37	.18	.90	1.13
100	8.8" thick, R19	G		2200	.011		.43	.50	.25	1.18	1.50
200 300	10" thick, R22			1800	.013		.50	.62	.30	1.42	1.80
350	11.5" thick, R26	G		1500	.016		.60	.74	.36	1.70	2.16
	13" thick, R30	G	T	1400	.017		.69	.79	.39	1.87	2.37
450 500	16" thick, R38 20" thick, R49	G		920	.021		.88 1.17	.97 1.21	.48	2.33	2.93 3.74
7 9	21 29 - Sprayed Insulation	9		720	.020		1,17	1.21	.37	2.77	3.74
	29.10 Sprayed-On Insulation				·						
010	SPRAYED-ON INSULATION					* ************************************		100 00°-100 00 00°			
020	Fibrous/cementitious, finished wall, 1" thick, R3.7	G	G-2	2050	.012	S.F.	.46	.56	.07	1.09	1.41
100	Attic, 5.2" thick, R19	G		1550	.015	#	.54	.74	.09	1.37	1.79
200	Fiberglass, R4 per inch, vertical	G	.	1600	,015	B.F.	.26	.71	.09	1.06	1.44
210	Horizontal	G		1200	.020	#	.26	.95	.12	1.33	1.83
300	Closed cell, spray polyurethane foam, 2 lb./C.F. density		1						,		
310	1" thick	G	G-2A	6000	.004	S.F.	.70	.18	.11	.991	1.17
320	2" thick	G		3000	.008		1.41	.35	.22	1.98	2.35
330	3" thick	G		2000	.012		2.11	.53	.33	2.97	3.51
335	3-1/2" thick	G		1715	.014		2.46	.62	.39	3.47	4.10
340	4" thick	G		1500	.016		2.81	.71	.44	3.96	4.68
350	5" thick	G		1200	.020		3.51	.88	.55	4.94	5.85
355	5-1/2" thick	G	-	1090	.022	+ 1	3.86	.97	.61	5.44	6.45
360	6" thick	G	G-2A	1000	.024	S.F.	4.22	1.06	.66	5.94	7.05
7 2	21 53 - Reflective Insulation										
	53.10 Reflective Insulation Options	_									
010	REFLECTIVE INSULATION OPTIONS		1.6	2.0	463		10.00	00.55		10.55	F1 F5
020	Aluminum foil on reinforced scrim	G	1 Carp	19	.421	C.S.F.	19.05	23.50		42.55	56.50
100	Reinforced with woven polyolefin	G		. 19	.421		30	23.50		53.50	69
500	With single bubble air space, R8.8	G		15	.533		33.50	30		63.50	81.50
600	With double bubble air space, R9.8	G		15	.533	+	40.50	30		70.50	89