## 22 05 Common Work Results for Plumbing

22 05 48 -	<b>Vibration and Seismic</b>	Controls 1	for Plumbing	Piping an	d Equipment

00 0F 40 40 Salamia Province Survey 4				Labor-		2022 Ba				Total
22 0	5 48.10 Seismic Bracing Supports	Crew	Output	Hours	Unit	Material	Labor	Equipment	Total	Incl O&P
0010	SEISMIC BRACING SUPPORTS R133113-90									
0020	Clamps									
0030	C-clamp, for mounting on steel beam									
0040	3/8" threaded rod	1 Skwk	160	.050	Ea.	4.35	2.95		7.30	9.20
0050	1/2" threaded rod		160	.050		5.40	2.95		8.35	10.35
0060	5/8" threaded rod		160	.050		7.25	2.95		10.20	12.40
0070	3/4" threaded rod	1 + 1	160	.050	1	9.50	2.95		12.45	14.85
0100	l Brackets	1								
0110	Beam side or wall malleable iron									
0120	3/8" threaded rod	1 Skwk	48	.167	Ea.	6.10	9.80		15.90	21.50
0130	1/2" threaded rod		48	.167		10.35	9.80		20.15	26
0140	5/8" threaded rod		48	.167		18.50	9.80		28.30	35.50
0150	3/4" threaded rod		48	.167		24.50	9.80		34.30	41.50
0160	7/8" threaded rod	1	48	.167		16.75	9.80		26.55	33
0170	For concrete installation, add	1					30%			
0180	Wall, welded steel									
0190	0 size 12" wide 18" deep	:1 Skwk	34	.235	Ea.	440	13.85		453.85	505
0200	1 size 18" wide 24" deep	(   :	34	.235		520	13.85		533.85	595
0210	2 size 24" wide 30" deep	1	34	.235	-	690	13.85		703.85	780
0300	Rod, carbon steel				· ·					
0310	Continuous thread									
0320	. 1/4" thread	1 Skwk	144	.056	L.F.	.43	3.27	1	3.70	5.40
0330	3/8" thread		144	.056		.46	3.27	1	3.73	5.40
0340	1/2" thread		144	.056		.72	3.27	1	3.99	5.70
0350	5/8" thread		144	.056		1.03	3.27	-	4.30	6.05
0360	3/4" thread		144	.056		1.81	3.27		5.08	6.90
0370	7/8" thread	1 1 .	144	.056		2.27	3.27		5.54	7.40
0380	For galvanized, add	1		.030		30%	. 0.2.		5.51	7.10
0400	Channel, steel									
0410	3/4" x 1-1/2"	1 Skwk	80	.100	L.F.	3.80	5.90	1	9.70	13.05
0420	1-1/2" x 1-1/2"			.114		4.45	6.75	4	11.20	15
0430	1-7/8" x 1-1/2"		60	.133		24.50	7.85	1	32.35	39
0440	3" x 1-1/2"		50	.160		22	9.40		31.40	38
0450	Spring nuts		30	. 100		44	7.10		01.10	
0460	3/8"	1 Skwk	100	.080	Ea.	1.42	4.71		6.13	. 8.65
0470	1/2"	, 1 3 KWK	80	.100	#	1.91	5.90		7.81	10.95
0500	Welding, field	1		.100		1177	5170	i		10175
0510	Cleaning and welding plates, bars, or rods									
0520	To existing beams, columns, or trusses									
0530	1" weld	1 Skwk	144	.056	Ea.	.31	3.27		3.58	5.25
0540	2" weld	1 J	72	.111	Eu.	.62	6.55		7.17	10.55
0550	3" weld	: ! .	54	.148		.94	8.75		9.69	14.15
0560	4" weld		36	.222	1 1	1.25	13.10		14.35	21
0570	5" weld		30	.267		1.56	15.70		17.26	25
0580	6" weld		24	.333	1	1.87	19.65	,	21.52	31.50
0600	Vibration absorbers			.500		7.07	17.03		21.32	01.50
0610	Hangers, neoprene flex	1								
0620	10-120 lb. capacity	1 Skwk	8	1 1	Ea.	24.50	59	1	83.50	116
0630	75-550 lb. capacity	JANK	8		Ed.	41	59		100	134
0640	250-1,100 lb. capacity		6	1.333		86	78.50		164.50	213
0650	1,000-4,000 lb. capacity	1 1	6	1.333		135	78.50		213.50	267
0660	Spring flex			1.000	Y	100	, , 0.50		2.0.00	
	- Spring nox									