

PONTE-TUBO - RELAZIONE DI CALCOLO

COMMESSA LOTTO ELABORATO DOCUMENTO REV. FOGLIO
433 I-1 B_1 519_v3 1 127 di 288

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
7	P21-PALO D 21.00	1	1	-10.00	-65.40	-21.95	-9503.69	950.43	-9677.16	80.66
		1	2	-10.00	-105.08	-5.40	-1.057e+04	162.88	-9913.58	93.58
		1	3	-10.00	-48.16	-16.23	-7020.71	703.18	-7167.08	59.65
		1	15	-10.00	1998.42	-312.96	1.772e+04	-2040.15	-1.259e+04	-641.10
		1	18	-10.00	-2110.17	300.09	-3.298e+04	2514.31	-3484.49	775.56
		1	43	-10.00	740.82	-787.98	173.29	-8855.42	-7.810e+04	-2682.68
		1	54	-10.00	-747.91	897.86	-1.762e+04	1.177e+04	5.704e+04	2744.86
		1	74	-10.00	696.62	-123.02	1865.06	-594.36	-8696.03	-199.55
		1	75	-10.00	-839.96	110.16	-1.717e+04	1067.33	-5918.32	334.16
		1	88	-10.00	192.88	-302.81	-4800.64	-3164.35	-3.218e+04	-971.64
		1	93	-10.00	-324.53	336.38	-1.136e+04	4557.37	1.696e+04	1079.04
		1	133	-10.00	-48.16	-16.23	-7020.71	703.18	-7167.08	59.65
		1	134	-10.00	-71.67	-6.43	-7650.71	236.48	-7307.18	67.30
		1	135	-10.00	-48.16	-16.23	-7020.71	703.18	-7167.08	59.65
1	136	-10.00	-77.55	-3.98	-7808.21	119.81	-7342.20	69.22		
1	137	-10.00	-48.16	-16.23	-7020.71	703.18	-7167.08	59.65		
1	138	-10.00	-74.61	-5.20	-7729.46	178.15	-7324.69	68.26		
1	139	-10.00	-48.16	-16.23	-7020.71	703.18	-7167.08	59.65		
1	140	-10.00	-71.67	-6.43	-7650.71	236.48	-7307.18	67.30		
8	P21-PALO D 21.00	1	1	-10.00	-30.07	-26.89	-9544.01	1362.53	-1.146e+04	80.97
		1	2	-10.00	-64.06	-10.90	-1.059e+04	620.74	-1.199e+04	93.80
		1	3	-10.00	-22.03	-19.88	-7050.49	1007.64	-8489.13	59.88
		1	21	-10.00	1669.76	253.34	1.280e+04	2265.30	4350.77	798.48
		1	28	-10.00	-1722.55	-274.16	-2.811e+04	-1129.18	-2.341e+04	-663.51
		1	35	-10.00	-1707.64	-307.76	-2.777e+04	-2006.50	-2.377e+04	-646.86
		1	54	-10.00	472.68	892.19	-1657.36	1.226e+04	-4858.67	2754.36
		1	77	-10.00	602.69	88.84	7.88	1231.13	-3773.22	344.70
		1	79	-10.00	-684.13	70.05	-1.532e+04	1904.30	-1.390e+04	409.54
		1	80	-10.00	-687.03	-109.65	-1.535e+04	-95.01	-1.383e+04	-209.73
		1	93	-10.00	155.39	331.76	-5332.54	4950.45	-7379.96	1082.74
		1	133	-10.00	-22.03	-19.88	-7050.49	1007.64	-8489.13	59.88
		1	134	-10.00	-42.17	-10.41	-7671.57	568.06	-8801.52	67.48
		1	135	-10.00	-22.03	-19.88	-7050.49	1007.64	-8489.13	59.88
1	136	-10.00	-47.20	-8.04	-7826.84	458.16	-8879.61	69.39		
1	137	-10.00	-22.03	-19.88	-7050.49	1007.64	-8489.13	59.88		
1	138	-10.00	-44.69	-9.22	-7749.21	513.11	-8840.56	68.44		
1	139	-10.00	-22.03	-19.88	-7050.49	1007.64	-8489.13	59.88		
1	140	-10.00	-42.17	-10.41	-7671.57	568.06	-8801.52	67.48		
9	P21-PALO D 21.00	1	2	-10.00	-59.86	20.26	-7593.34	-958.34	-1.230e+04	93.79
		1	3	-10.00	-19.46	0.0	-5165.76	-4.75e-06	-8668.17	59.87
		1	35	-10.00	-1695.37	-448.80	-5411.32	4664.20	-2.486e+04	-644.33
		1	57	-10.00	-527.18	1507.94	-5329.27	-1.699e+04	-1.375e+04	2688.16
		1	79	-10.00	-677.46	151.73	-5526.15	-2022.26	-1.447e+04	408.71
		1	89	-10.00	157.57	498.89	-5494.68	-5971.06	-7510.67	1087.17
		1	92	-10.00	-235.92	-474.88	-5545.48	4835.25	-1.053e+04	-952.22
		1	95	-10.00	-226.54	577.42	-5506.61	-6770.22	-1.074e+04	1059.41
		1	117	-10.00	496.27	405.32	-4975.18	-5083.83	-5372.00	850.67
		1	124	-10.00	-543.50	-381.31	-6064.87	3948.02	-1.407e+04	-715.72
		1	133	-10.00	-19.46	0.0	-5165.76	-4.75e-06	-8668.17	59.87
		1	134	-10.00	-39.18	12.00	-5520.08	-567.90	-9017.92	67.47
		1	135	-10.00	-19.46	0.0	-5165.76	-4.75e-06	-8668.17	59.87
		1	136	-10.00	-44.11	15.01	-5608.66	-709.88	-9105.36	69.38
1	137	-10.00	-19.46	0.0	-5165.76	-4.75e-06	-8668.17	59.87		
1	138	-10.00	-41.64	13.50	-5564.37	-638.89	-9061.64	68.42		
1	139	-10.00	-19.46	0.0	-5165.76	-4.75e-06	-8668.17	59.87		
1	140	-10.00	-39.18	12.00	-5520.08	-567.90	-9017.92	67.47		
232	P21-PALO D 21.00	1	1	-10.00	349.36	22.65	-3855.39	-997.00	-2805.36	-80.14
		1	2	-10.00	376.91	46.71	-3963.67	-2131.33	-1928.19	-92.94
		1	3	-10.00	258.60	16.75	-2843.30	-737.62	-2084.79	-59.26
		1	5	-10.00	1645.63	645.69	2.237e+04	-1.391e+04	2.796e+04	-769.66
		1	12	-10.00	-1064.19	-583.65	-2.815e+04	1.109e+04	-3.255e+04	636.10
		1	42	-10.00	-1410.15	2286.02	6752.25	-5.719e+04	5.372e+04	-2739.17
		1	68	-10.00	1087.80	-2003.10	-2.262e+04	5.147e+04	-7.138e+04	2673.68
		1	69	-10.00	796.28	263.90	6596.46	-6151.97	9523.75	-333.43
		1	72	-10.00	-246.44	-201.87	-1.241e+04	3332.33	-1.265e+04	199.72
		1	87	-10.00	-365.16	883.42	802.48	-2.249e+04	1.941e+04	-1076.60
		1	100	-10.00	539.69	-738.81	-1.035e+04	1.861e+04	-2.606e+04	970.29
		1	133	-10.00	258.60	16.75	-2843.30	-737.62	-2084.79	-59.26
		1	134	-10.00	274.92	31.01	-2907.46	-1409.82	-1564.99	-66.85
		1	135	-10.00	258.60	16.75	-2843.30	-737.62	-2084.79	-59.26
1	136	-10.00	279.00	34.58	-2923.51	-1577.87	-1435.04	-68.75		
1	137	-10.00	258.60	16.75	-2843.30	-737.62	-2084.79	-59.26		
1	138	-10.00	276.96	32.80	-2915.49	-1493.85	-1500.01	-67.80		
1	139	-10.00	258.60	16.75	-2843.30	-737.62	-2084.79	-59.26		

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Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	140	-10.00	274.92	31.01	-2907.46	-1409.82	-1564.99	-66.85
233	P21-PALO D 21.00	1	1	-10.00	349.84	-5.70	-6909.15	482.18	-2784.68	-81.35
		1	2	-10.00	377.72	13.91	-7478.30	-421.62	-1935.08	-94.24
		1	3	-10.00	258.95	-4.21	-5102.02	356.19	-2068.91	-60.16
		1	4	-10.00	286.82	15.40	-5671.17	-547.60	-1219.32	-73.05
		1	37	-10.00	-392.43	1517.75	1.079e+04	-1.802e+04	6.159e+04	-2686.76
		1	44	-10.00	1047.11	-1502.81	-2.167e+04	1.765e+04	-6.940e+04	2551.10
		1	68	-10.00	1092.16	-1283.93	-1.932e+04	1.510e+04	-7.166e+04	2675.57
		1	85	-10.00	25.72	578.00	641.92	-6883.18	2.225e+04	-1059.09
		1	88	-10.00	525.21	-563.18	-1.152e+04	6524.41	-2.538e+04	923.49
		1	100	-10.00	542.26	-480.40	-1.063e+04	5560.05	-2.623e+04	970.62
		1	133	-10.00	258.95	-4.21	-5102.02	356.19	-2068.91	-60.16
		1	134	-10.00	275.46	7.41	-5439.30	-179.39	-1565.45	-67.80
		1	135	-10.00	258.95	-4.21	-5102.02	356.19	-2068.91	-60.16
		1	136	-10.00	279.59	10.32	-5523.62	-313.28	-1439.58	-69.71
		1	137	-10.00	258.95	-4.21	-5102.02	356.19	-2068.91	-60.16
		1	138	-10.00	277.53	8.87	-5481.46	-246.34	-1502.52	-68.75
		1	139	-10.00	258.95	-4.21	-5102.02	356.19	-2068.91	-60.16
		1	140	-10.00	275.46	7.41	-5439.30	-179.39	-1565.45	-67.80
234	P21-PALO D 21.00	1	1	-10.00	353.54	-31.81	-9905.56	1773.68	-3097.73	-80.48
		1	2	-10.00	381.86	-16.38	-1.093e+04	1078.36	-2285.66	-93.23
		1	3	-10.00	261.68	-23.52	-7318.39	1311.39	-2300.18	-59.52
		1	24	-10.00	2360.12	-316.84	-3.329e+04	-1402.57	-7461.05	639.06
		1	25	-10.00	-1772.12	288.10	1.740e+04	3200.64	2421.54	-773.26
		1	46	-10.00	-390.73	892.08	1839.92	1.238e+04	6.193e+04	-2743.84
		1	68	-10.00	1097.55	-801.12	-1.589e+04	-8012.59	-7.212e+04	2676.79
		1	78	-10.00	1051.37	-128.27	-1.744e+04	8.23	-3365.13	200.76
		1	79	-10.00	-494.45	99.52	1590.27	1790.48	-272.77	-334.90
		1	89	-10.00	22.68	329.25	-4168.65	5201.88	2.235e+04	-1078.52
		1	100	-10.00	546.20	-311.57	-1.083e+04	-2483.07	-2.657e+04	971.58
		1	133	-10.00	261.68	-23.52	-7318.39	1311.39	-2300.18	-59.52
		1	134	-10.00	278.46	-14.37	-7925.06	899.35	-1818.95	-67.07
		1	135	-10.00	261.68	-23.52	-7318.39	1311.39	-2300.18	-59.52
		1	136	-10.00	282.65	-12.09	-8076.73	796.34	-1698.65	-68.96
		1	137	-10.00	261.68	-23.52	-7318.39	1311.39	-2300.18	-59.52
		1	138	-10.00	280.55	-13.23	-8000.90	847.85	-1758.80	-68.02
		1	139	-10.00	261.68	-23.52	-7318.39	1311.39	-2300.18	-59.52
		1	140	-10.00	278.46	-14.37	-7925.06	899.35	-1818.95	-67.07
235	P21-PALO D 21.00	1	1	-10.00	389.69	-26.89	-9946.53	1362.53	-4925.84	-80.97
		1	2	-10.00	423.68	-10.90	-1.099e+04	620.74	-4398.69	-93.80
		1	3	-10.00	288.41	-19.88	-7348.65	1007.64	-3652.08	-59.88
		1	32	-10.00	2051.58	-274.16	-2.848e+04	-1129.18	8409.88	663.51
		1	33	-10.00	-1403.38	253.34	1.251e+04	2265.30	-1.649e+04	-798.48
		1	36	-10.00	-1349.95	-224.55	1.206e+04	-2904.61	-1.843e+04	834.35
		1	42	-10.00	-206.30	892.19	-1955.52	1.226e+04	-7282.54	-2754.36
		1	82	-10.00	953.41	-109.65	-1.565e+04	-95.01	1688.61	209.73
		1	83	-10.00	-336.31	88.84	-290.28	1231.13	-8367.99	-344.70
		1	84	-10.00	-333.41	-90.86	-316.41	-768.18	-8438.87	274.57
		1	87	-10.00	110.99	331.76	-5630.71	4950.45	-4761.24	-1082.74
		1	133	-10.00	288.41	-19.88	-7348.65	1007.64	-3652.08	-59.88
		1	134	-10.00	308.55	-10.41	-7969.74	568.06	-3339.69	-67.48
		1	135	-10.00	288.41	-19.88	-7348.65	1007.64	-3652.08	-59.88
		1	136	-10.00	313.59	-8.04	-8125.01	458.16	-3261.60	-69.39
		1	137	-10.00	288.41	-19.88	-7348.65	1007.64	-3652.08	-59.88
		1	138	-10.00	311.07	-9.22	-8047.37	513.11	-3300.64	-68.44
		1	139	-10.00	288.41	-19.88	-7348.65	1007.64	-3652.08	-59.88
		1	140	-10.00	308.55	-10.41	-7969.74	568.06	-3339.69	-67.48
236	P21-PALO D 21.00	1	1	-10.00	425.19	-21.91	-9905.79	947.22	-6726.29	-81.16
		1	2	-10.00	464.87	-5.37	-1.097e+04	159.66	-6489.88	-94.07
		1	3	-10.00	314.66	-16.21	-7318.56	700.80	-4983.63	-60.02
		1	6	-10.00	2376.67	300.11	-3.328e+04	2511.93	-8666.21	-775.93
		1	11	-10.00	-1669.23	-312.93	1.735e+04	-2043.10	-2422.44	640.65
		1	42	-10.00	1014.42	897.89	-1.792e+04	1.176e+04	-6.919e+04	-2745.23
		1	58	-10.00	1045.35	775.10	-1.566e+04	9329.98	-7.079e+04	-2817.19
		1	69	-10.00	1106.47	110.18	-1.746e+04	1064.94	-6232.38	-334.53
		1	72	-10.00	-430.11	-122.99	1567.20	-596.74	-3454.67	199.19
		1	87	-10.00	591.03	336.41	-1.166e+04	4554.99	-2.911e+04	-1079.40
		1	95	-10.00	602.73	289.98	-1.080e+04	3634.94	-2.971e+04	-1106.61
		1	133	-10.00	314.66	-16.21	-7318.56	700.80	-4983.63	-60.02
		1	134	-10.00	338.18	-6.41	-7948.56	234.10	-4843.53	-67.67
		1	135	-10.00	314.66	-16.21	-7318.56	700.80	-4983.63	-60.02
		1	136	-10.00	344.06	-3.95	-8106.06	117.42	-4808.50	-69.58
		1	137	-10.00	314.66	-16.21	-7318.56	700.80	-4983.63	-60.02
		1	138	-10.00	341.12	-5.18	-8027.31	175.76	-4826.01	-68.63

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COMMESSA LOTTO ELABORATO DOCUMENTO REV. FOGLIO
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Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	139	-10.00	314.66	-16.21	-7318.56	700.80	-4983.63	-60.02
		1	140	-10.00	338.18	-6.41	-7948.56	234.10	-4843.53	-67.67
237	P21-PALO D 21.00	1	1	-10.00	421.55	5.70	-6909.15	-482.18	-6418.09	-80.42
		1	2	-10.00	460.80	26.59	-7517.65	-1493.56	-6144.66	-93.19
		1	3	-10.00	311.98	4.21	-5102.02	-356.19	-4755.95	-59.47
		1	38	-10.00	2014.42	1526.91	-2.170e+04	-1.879e+04	-5.997e+04	-2690.18
		1	43	-10.00	-1240.20	-1493.86	1.078e+04	1.689e+04	4.610e+04	2556.16
		1	58	-10.00	1039.90	1306.69	-1.933e+04	-1.623e+04	-7.032e+04	-2816.19
		1	85	-10.00	967.51	587.18	-1.155e+04	-7659.58	-2.547e+04	-1058.14
		1	88	-10.00	-297.04	-554.01	620.39	5748.51	1.628e+04	924.06
		1	95	-10.00	598.85	503.89	-1.065e+04	-6690.29	-2.938e+04	-1105.84
		1	133	-10.00	311.98	4.21	-5102.02	-356.19	-4755.95	-59.47
		1	134	-10.00	335.23	16.59	-5462.62	-955.53	-4593.92	-67.04
		1	135	-10.00	311.98	4.21	-5102.02	-356.19	-4755.95	-59.47
		1	136	-10.00	341.05	19.68	-5552.76	-1105.37	-4553.41	-68.93
		1	137	-10.00	311.98	4.21	-5102.02	-356.19	-4755.95	-59.47
		1	138	-10.00	338.14	18.13	-5507.69	-1030.45	-4573.66	-67.99
		1	139	-10.00	311.98	4.21	-5102.02	-356.19	-4755.95	-59.47
		1	140	-10.00	335.23	16.59	-5462.62	-955.53	-4593.92	-67.04
238	P21-PALO D 21.00	1	1	-10.00	421.01	31.07	-3855.16	-1723.89	-6433.93	-81.50
		1	2	-10.00	459.92	56.01	-4002.73	-2935.36	-6131.90	-94.30
		1	3	-10.00	311.58	22.97	-2843.13	-1274.57	-4768.24	-60.27
		1	23	-10.00	1731.12	-583.10	2.238e+04	1.097e+04	2.396e+04	642.49
		1	26	-10.00	-1030.24	658.59	-2.821e+04	-1.495e+04	-3.460e+04	-778.34
		1	42	-10.00	1001.21	2292.61	-2.513e+04	-5.776e+04	-6.813e+04	-2740.40
		1	58	-10.00	1033.92	2075.62	-2.288e+04	-5.509e+04	-6.987e+04	-2813.39
		1	78	-10.00	853.86	-196.52	6571.59	2889.11	6681.70	199.83
		1	79	-10.00	-184.58	272.02	-1.243e+04	-6874.07	-1.586e+04	-335.54
		1	87	-10.00	583.86	890.10	-1.127e+04	-2.307e+04	-2.855e+04	-1077.69
		1	95	-10.00	596.22	808.04	-1.042e+04	-2.206e+04	-2.921e+04	-1105.29
		1	133	-10.00	311.58	22.97	-2843.13	-1274.57	-4768.24	-60.27
		1	134	-10.00	334.64	37.75	-2930.58	-1992.48	-4589.26	-67.86
		1	135	-10.00	311.58	22.97	-2843.13	-1274.57	-4768.24	-60.27
		1	136	-10.00	340.40	41.45	-2952.44	-2171.95	-4544.52	-69.75
		1	137	-10.00	311.58	22.97	-2843.13	-1274.57	-4768.24	-60.27
		1	138	-10.00	337.52	39.60	-2941.51	-2082.22	-4566.89	-68.81
		1	139	-10.00	311.58	22.97	-2843.13	-1274.57	-4768.24	-60.27
		1	140	-10.00	334.64	37.75	-2930.58	-1992.48	-4589.26	-67.86
239	P21-PALO D 21.00	1	1	-10.00	383.30	26.89	-3886.82	-1362.53	-4450.26	-80.97
		1	2	-10.00	416.31	51.40	-4017.93	-2536.45	-3840.44	-93.80
		1	3	-10.00	283.69	19.88	-2866.51	-1007.64	-3301.28	-59.88
		1	31	-10.00	2032.10	-521.48	1.751e+04	1.046e+04	9103.91	664.10
		1	34	-10.00	-1394.03	590.30	-2.336e+04	-1.386e+04	-1.644e+04	-799.07
		1	36	-10.00	-1354.82	-621.17	-2.328e+04	1.723e+04	-1.808e+04	830.37
		1	42	-10.00	-211.59	2287.96	-9232.43	-5.735e+04	-6882.66	-2738.00
		1	82	-10.00	948.11	-175.29	4719.50	2874.64	2089.00	208.18
		1	83	-10.00	-341.60	244.12	-1.061e+04	-6281.23	-7968.81	-343.15
		1	84	-10.00	-338.69	-214.07	-1.059e+04	5477.58	-8039.88	273.06
		1	87	-10.00	105.72	886.27	-5265.45	-2.274e+04	-4363.12	-1076.56
		1	133	-10.00	283.69	19.88	-2866.51	-1007.64	-3301.28	-59.88
		1	134	-10.00	303.26	34.41	-2944.21	-1703.29	-2939.90	-67.48
		1	135	-10.00	283.69	19.88	-2866.51	-1007.64	-3301.28	-59.88
		1	136	-10.00	308.15	38.04	-2963.63	-1877.21	-2849.56	-69.39
		1	137	-10.00	283.69	19.88	-2866.51	-1007.64	-3301.28	-59.88
		1	138	-10.00	305.70	36.23	-2953.92	-1790.25	-2894.73	-68.44
		1	139	-10.00	283.69	19.88	-2866.51	-1007.64	-3301.28	-59.88
		1	140	-10.00	303.26	34.41	-2944.21	-1703.29	-2939.90	-67.48
240	P21-PALO D 21.00	1	1	-10.00	383.94	0.0	-6995.43	-5.62e-06	-4425.17	-80.95
		1	2	-10.00	417.21	20.26	-7593.34	-958.34	-3834.97	-93.79
		1	3	-10.00	284.16	0.0	-5165.76	-4.14e-06	-3282.11	-59.87
		1	36	-10.00	-1344.90	-356.20	-5659.25	3228.63	-1.895e+04	832.19
		1	38	-10.00	806.48	1507.94	-5639.99	-1.699e+04	1456.66	-2692.85
		1	84	-10.00	-334.40	-127.72	-5514.01	886.45	-8381.72	273.76
		1	85	-10.00	491.24	577.42	-5506.61	-6770.22	-1211.04	-1059.41
		1	98	-10.00	500.63	-474.88	-5545.48	4835.25	-1425.11	952.22
		1	99	-10.00	107.13	498.89	-5494.68	-5971.06	-4439.61	-1087.17
		1	128	-10.00	870.46	-373.38	-6064.87	3646.47	-691.68	715.72
		1	129	-10.00	-231.57	397.39	-4975.18	-4782.28	-6578.28	-850.67
		1	133	-10.00	284.16	0.0	-5165.76	-4.14e-06	-3282.11	-59.87
		1	134	-10.00	303.88	12.00	-5520.08	-567.90	-2932.36	-67.47
		1	135	-10.00	284.16	0.0	-5165.76	-4.14e-06	-3282.11	-59.87
		1	136	-10.00	308.81	15.01	-5608.66	-709.88	-2844.92	-69.38
		1	137	-10.00	284.16	0.0	-5165.76	-4.14e-06	-3282.11	-59.87
		1	138	-10.00	306.35	13.50	-5564.37	-638.89	-2888.64	-68.42

PONTE-TUBO - RELAZIONE DI CALCOLO

COMMESSA LOTTO ELABORATO DOCUMENTO REV. FOGLIO
433 I-1 B_1 519_v3 1 130 di 288

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	139	-10.00	284.16	0.0	-5165.76	-4.14e-06	-3282.11	-59.87
		1	140	-10.00	303.88	12.00	-5520.08	-567.90	-2932.36	-67.47
499	P21-PALO D 21.00	1	2	-10.00	-37.18	37.69	-5447.06	-1721.91	-1.350e+04	93.03
		1	3	-10.00	-4.89	11.03	-3817.45	-479.25	-9440.87	59.36
		1	16	-10.00	1537.17	-520.24	-2.010e+04	7867.45	1.048e+04	-637.12
		1	17	-10.00	-1551.75	569.30	1.211e+04	-1.010e+04	-3.165e+04	770.96
		1	49	-10.00	82.77	1798.42	7035.70	-4.071e+04	-4.446e+04	2811.49
		1	54	-10.00	1072.59	2020.47	-220.12	-4.369e+04	-3.528e+04	2744.43
		1	74	-10.00	558.34	-181.92	-1.001e+04	2296.46	-1726.06	-200.11
		1	75	-10.00	-604.02	230.97	2049.14	-4528.03	-1.804e+04	333.96
		1	91	-10.00	14.28	695.92	128.96	-1.611e+04	-2.289e+04	1105.77
		1	93	-10.00	394.24	779.00	-2501.56	-1.721e+04	-1.955e+04	1078.64
		1	133	-10.00	-4.89	11.03	-3817.45	-479.25	-9440.87	59.36
		1	134	-10.00	-22.84	24.53	-3980.40	-1115.79	-9881.28	66.93
		1	135	-10.00	-4.89	11.03	-3817.45	-479.25	-9440.87	59.36
		1	136	-10.00	-27.33	27.90	-4021.14	-1274.92	-9991.38	68.82
		1	137	-10.00	-4.89	11.03	-3817.45	-479.25	-9440.87	59.36
		1	138	-10.00	-25.09	26.21	-4000.77	-1195.35	-9936.33	67.87
		1	139	-10.00	-4.89	11.03	-3817.45	-479.25	-9440.87	59.36
		1	140	-10.00	-22.84	24.53	-3980.40	-1115.79	-9881.28	66.93
500	P21-PALO D 21.00	1	2	-10.00	-78.72	44.34	-5466.56	-2297.93	-1.139e+04	94.46
		1	3	-10.00	-31.40	15.47	-3817.37	-863.91	-8097.74	60.31
		1	30	-10.00	1474.87	652.85	-2.009e+04	-1.518e+04	1.366e+04	779.63
		1	35	-10.00	-1549.21	-594.16	1.208e+04	1.211e+04	-3.180e+04	-643.70
		1	43	-10.00	146.90	-1748.64	7022.11	3.830e+04	-4.787e+04	-2682.05
		1	54	-10.00	-132.26	2025.12	-1.621e+04	-4.410e+04	2.555e+04	2745.49
		1	81	-10.00	527.98	264.76	-1.002e+04	-6680.51	-114.04	336.09
		1	84	-10.00	-633.43	-206.07	2038.62	3614.07	-1.662e+04	-200.17
		1	88	-10.00	-19.28	-642.68	146.04	1.352e+04	-2.147e+04	-971.19
		1	93	-10.00	-79.97	783.75	-8556.23	-1.762e+04	4392.26	1079.68
		1	133	-10.00	-31.40	15.47	-3817.37	-863.91	-8097.74	60.31
		1	134	-10.00	-52.73	29.35	-3991.95	-1533.22	-8367.48	67.96
		1	135	-10.00	-31.40	15.47	-3817.37	-863.91	-8097.74	60.31
		1	136	-10.00	-58.06	32.82	-4035.59	-1700.55	-8434.92	69.87
		1	137	-10.00	-31.40	15.47	-3817.37	-863.91	-8097.74	60.31
		1	138	-10.00	-55.39	31.08	-4013.77	-1616.88	-8401.20	68.92
		1	139	-10.00	-31.40	15.47	-3817.37	-863.91	-8097.74	60.31
		1	140	-10.00	-52.73	29.35	-3991.95	-1533.22	-8367.48	67.96
501	P21-PALO D 21.00	1	1	-10.00	-48.93	-14.50	-8673.15	621.04	-1.040e+04	80.59
		1	2	-10.00	-85.61	3.29	-9578.71	-224.97	-1.080e+04	93.41
		1	3	-10.00	-35.98	-10.73	-6406.49	459.50	-7704.06	59.60
		1	15	-10.00	1843.77	-349.88	9218.66	-319.36	-4435.50	-641.26
		1	18	-10.00	-1928.04	349.50	-2.308e+04	236.59	-1.285e+04	775.63
		1	43	-10.00	147.43	-907.93	-3939.06	-3545.53	-4.790e+04	-2682.37
		1	59	-10.00	132.21	-1073.24	-2801.65	-3620.11	-4.709e+04	-2609.81
		1	74	-10.00	647.02	-133.02	-902.00	-121.27	-6026.08	-199.73
		1	75	-10.00	-762.45	132.65	-1.298e+04	37.58	-9850.12	334.12
		1	88	-10.00	-22.26	-344.19	-5898.71	-1334.85	-2.121e+04	-971.73
		1	96	-10.00	-28.02	-406.70	-5468.66	-1362.76	-2.090e+04	-944.30
		1	133	-10.00	-35.98	-10.73	-6406.49	459.50	-7704.06	59.60
		1	134	-10.00	-57.71	-0.18	-6943.12	-41.84	-7938.10	67.20
		1	135	-10.00	-35.98	-10.73	-6406.49	459.50	-7704.06	59.60
		1	136	-10.00	-63.15	2.45	-7077.28	-167.18	-7996.61	69.10
		1	137	-10.00	-35.98	-10.73	-6406.49	459.50	-7704.06	59.60
		1	138	-10.00	-60.43	1.14	-7010.20	-104.51	-7967.35	68.15
		1	139	-10.00	-35.98	-10.73	-6406.49	459.50	-7704.06	59.60
		1	140	-10.00	-57.71	-0.18	-6943.12	-41.84	-7938.10	67.20
502	P21-PALO D 21.00	1	1	-10.00	-13.08	-21.33	-8673.05	1195.18	-1.222e+04	81.24
		1	2	-10.00	-44.07	-4.31	-9558.95	413.58	-1.290e+04	94.08
		1	3	-10.00	-9.46	-15.78	-6406.41	883.66	-9047.18	60.08
		1	29	-10.00	1850.14	339.72	9211.70	745.28	-4732.41	774.11
		1	36	-10.00	-1874.64	-351.08	-2.305e+04	94.79	-1.558e+04	-638.70
		1	49	-10.00	83.18	906.94	-3910.05	3759.81	-4.447e+04	2811.68
		1	54	-10.00	1074.08	1067.98	4992.92	3961.08	-3.539e+04	2744.58
		1	81	-10.00	679.82	124.48	-887.93	561.73	-7611.58	335.61
		1	84	-10.00	-735.48	-135.85	-1.297e+04	279.24	-1.129e+04	-200.23
		1	91	-10.00	11.32	339.13	-5850.44	1694.66	-2.263e+04	1106.32
		1	93	-10.00	391.72	401.07	-2360.15	1726.39	-1.933e+04	1079.17
		1	133	-10.00	-9.46	-15.78	-6406.41	883.66	-9047.18	60.08
		1	134	-10.00	-27.83	-5.69	-6931.40	420.49	-9451.88	67.69
		1	135	-10.00	-9.46	-15.78	-6406.41	883.66	-9047.18	60.08
		1	136	-10.00	-32.42	-3.16	-7062.64	304.70	-9553.06	69.59
		1	137	-10.00	-9.46	-15.78	-6406.41	883.66	-9047.18	60.08
		1	138	-10.00	-30.13	-4.43	-6997.02	362.59	-9502.47	68.64

PONTE-TUBO - RELAZIONE DI CALCOLO

COMMESSA LOTTO ELABORATO DOCUMENTO REV. FOGLIO
433 I-1 B_1 519_v3 1 131 di 288

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	139	-10.00	-9.46	-15.78	-6406.41	883.66	-9047.18	60.08
		1	140	-10.00	-27.83	-5.69	-6931.40	420.49	-9451.88	67.69
503	P21-PALO D 21.00	1	1	-10.00	370.46	-21.35	-8941.16	1196.57	-3915.05	-81.15
		1	2	-10.00	401.45	-4.33	-9827.07	414.97	-3232.11	-93.99
		1	3	-10.00	274.19	-15.79	-6605.02	884.69	-2904.64	-60.02
		1	24	-10.00	2201.63	-351.09	-2.330e+04	96.07	816.14	638.78
		1	25	-10.00	-1585.41	339.70	9013.10	746.31	-7219.42	-774.04
		1	42	-10.00	-809.35	1067.96	4794.32	3962.11	2.343e+04	-2744.52
		1	68	-10.00	507.25	-918.30	-1.023e+04	-2920.03	-4.220e+04	2676.33
		1	78	-10.00	1000.21	-135.86	-1.317e+04	280.28	-659.64	200.30
		1	79	-10.00	-415.09	124.46	-1086.53	562.77	-4340.24	-335.54
		1	87	-10.00	-126.99	401.06	-2558.76	1727.43	7376.72	-1079.11
		1	100	-10.00	331.71	-350.51	-8210.96	-852.65	-1.568e+04	971.01
		1	133	-10.00	274.19	-15.79	-6605.02	884.69	-2904.64	-60.02
		1	134	-10.00	292.56	-5.70	-7130.00	421.52	-2499.94	-67.62
		1	135	-10.00	274.19	-15.79	-6605.02	884.69	-2904.64	-60.02
		1	136	-10.00	297.15	-3.18	-7261.24	305.73	-2398.76	-69.52
		1	137	-10.00	274.19	-15.79	-6605.02	884.69	-2904.64	-60.02
		1	138	-10.00	294.85	-4.44	-7195.62	363.63	-2449.35	-68.57
		1	139	-10.00	274.19	-15.79	-6605.02	884.69	-2904.64	-60.02
		1	140	-10.00	292.56	-5.70	-7130.00	421.52	-2499.94	-67.62
504	P21-PALO D 21.00	1	1	-10.00	406.31	-14.49	-8941.27	619.65	-5731.23	-80.67
		1	2	-10.00	442.99	3.31	-9846.82	-226.36	-5336.28	-93.50
		1	3	-10.00	300.71	-10.72	-6605.10	458.46	-4247.77	-59.66
		1	6	-10.00	2192.77	349.51	-2.328e+04	235.56	896.32	-775.69
		1	11	-10.00	-1516.78	-349.86	8973.35	-320.64	-1.033e+04	641.18
		1	39	-10.00	340.05	-1073.22	-3155.94	-3621.96	2.577e+04	2609.70
		1	58	-10.00	423.74	907.54	-1.007e+04	3463.85	-3.928e+04	-2816.74
		1	69	-10.00	1027.17	132.66	-1.318e+04	36.55	-2101.71	-334.19
		1	72	-10.00	-382.29	-133.00	-1100.60	-122.30	-5925.75	199.66
		1	86	-10.00	292.74	-406.69	-5667.26	-1363.80	8948.96	944.23
		1	95	-10.00	357.90	343.84	-8186.13	1250.13	-1.728e+04	-1106.19
		1	133	-10.00	300.71	-10.72	-6605.10	458.46	-4247.77	-59.66
		1	134	-10.00	322.44	-0.17	-7141.72	-42.88	-4013.73	-67.26
		1	135	-10.00	300.71	-10.72	-6605.10	458.46	-4247.77	-59.66
		1	136	-10.00	327.88	2.46	-7275.88	-168.21	-3955.22	-69.16
		1	137	-10.00	300.71	-10.72	-6605.10	458.46	-4247.77	-59.66
		1	138	-10.00	325.16	1.15	-7208.80	-105.54	-3984.47	-68.21
		1	139	-10.00	300.71	-10.72	-6605.10	458.46	-4247.77	-59.66
		1	140	-10.00	322.44	-0.17	-7141.72	-42.88	-4013.73	-67.26
505	P21-PALO D 21.00	1	1	-10.00	400.12	20.91	-4903.85	-1167.07	-5198.28	-81.64
		1	2	-10.00	436.10	44.32	-5198.45	-2296.54	-4743.10	-94.55
		1	3	-10.00	296.13	15.46	-3618.77	-862.87	-3854.08	-60.38
		1	23	-10.00	1876.20	-594.18	1.233e+04	1.211e+04	1.703e+04	643.62
		1	26	-10.00	-1210.14	652.84	-1.989e+04	-1.518e+04	-2.561e+04	-779.69
		1	42	-10.00	396.99	2025.10	-1.601e+04	-4.410e+04	-3.750e+04	-2745.56
		1	58	-10.00	413.40	1807.29	-1.489e+04	-4.136e+04	-3.841e+04	-2818.08
		1	78	-10.00	898.16	-206.08	2237.22	3615.10	4669.10	200.11
		1	79	-10.00	-263.26	264.75	-9823.91	-6679.47	-1.184e+04	-336.16
		1	87	-10.00	344.69	783.74	-8357.62	-1.762e+04	-1.634e+04	-1079.75
		1	95	-10.00	350.90	701.37	-7931.34	-1.658e+04	-1.669e+04	-1107.17
		1	133	-10.00	296.13	15.46	-3618.77	-862.87	-3854.08	-60.38
		1	134	-10.00	317.45	29.34	-3793.35	-1532.18	-3584.34	-68.02
		1	135	-10.00	296.13	15.46	-3618.77	-862.87	-3854.08	-60.38
		1	136	-10.00	322.78	32.80	-3836.99	-1699.51	-3516.91	-69.94
		1	137	-10.00	296.13	15.46	-3618.77	-862.87	-3854.08	-60.38
		1	138	-10.00	320.12	31.07	-3815.17	-1615.85	-3550.63	-68.98
		1	139	-10.00	296.13	15.46	-3618.77	-862.87	-3854.08	-60.38
		1	140	-10.00	317.45	29.34	-3793.35	-1532.18	-3584.34	-68.02
506	P21-PALO D 21.00	1	1	-10.00	364.27	14.93	-4903.96	-649.14	-3382.11	-80.18
		1	2	-10.00	394.56	37.70	-5178.94	-1723.30	-2638.92	-92.94
		1	3	-10.00	269.62	11.04	-3618.85	-480.28	-2510.96	-59.30
		1	5	-10.00	1816.48	569.31	1.231e+04	-1.010e+04	1.970e+04	-770.90
		1	12	-10.00	-1210.19	-520.23	-1.985e+04	7866.17	-2.524e+04	637.20
		1	42	-10.00	-807.86	2020.49	-21.51	-4.369e+04	2.333e+04	-2744.37
		1	68	-10.00	497.03	-1749.32	-1.472e+04	3.847e+04	-4.134e+04	2677.80
		1	69	-10.00	868.75	230.99	2247.75	-4529.07	6084.67	-333.90
		1	72	-10.00	-293.61	-181.91	-9811.35	2295.43	-1.023e+04	200.18
		1	87	-10.00	-129.51	779.01	-2302.95	-1.721e+04	7602.60	-1078.58
		1	100	-10.00	324.69	-646.85	-7891.16	1.388e+04	-1.508e+04	971.99
		1	133	-10.00	269.62	11.04	-3618.85	-480.28	-2510.96	-59.30
		1	134	-10.00	287.57	24.54	-3781.80	-1116.82	-2070.55	-66.86
		1	135	-10.00	269.62	11.04	-3618.85	-480.28	-2510.96	-59.30
		1	136	-10.00	292.06	27.91	-3822.54	-1275.95	-1960.44	-68.75

PONTE-TUBO - RELAZIONE DI CALCOLO

COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	132 di 288

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	137	-10.00	269.62	11.04	-3618.85	-480.28	-2510.96	-59.30
		1	138	-10.00	289.81	26.23	-3802.17	-1196.39	-2015.50	-67.81
		1	139	-10.00	269.62	11.04	-3618.85	-480.28	-2510.96	-59.30
		1	140	-10.00	287.57	24.54	-3781.80	-1116.82	-2070.55	-66.86
Nodo					Fx	Fy	Fz	Mx	My	Mz
					-2110.17	-2003.10	-3.329e+04	-5.776e+04	-7.810e+04	-2818.08
					2376.67	2292.63	2.238e+04	5.147e+04	6.193e+04	2811.68

RISULTATI ELEMENTI TIPO TRAVE

LEGENDA RISULTATI ELEMENTI TIPO TRAVE

Il controllo dei risultati delle analisi condotte, per quanto concerne gli elementi tipo trave, è possibile in relazione alle tabelle sotto riportate.

Gli elementi vengono suddivisi in relazione alle proprietà in elementi:

- tipo pilastro
- tipo trave in elevazione
- tipo trave in fondazione

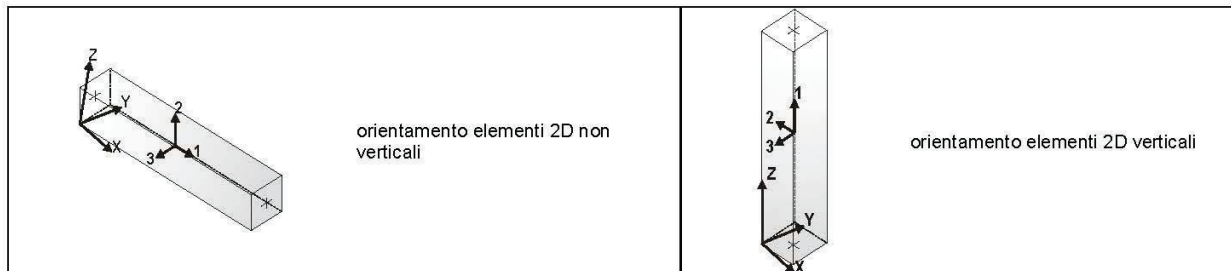
Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

Per gli elementi tipo *pilastro* sono riportati in tabella i seguenti valori:

Pilas.	numero dell'elemento pilastro
Cmb	combinazione in cui si verificano i valori riportati
M3 mx/mn	momento flettente in campata M3 max (prima riga) / min (seconda riga)
M2 mx/mn	momento flettente in campata M2 max (prima riga) / min (seconda riga)
D2/D3	freccia massima in direzione 2 (prima riga) / direzione 3 (seconda riga)
Q2/Q3	carico totale in direzione 2 (prima riga) / direzione 3 (seconda riga)
Pos.	ascissa del punto iniziale e finale dell'elemento
N, V2, ecc..	sei componenti di sollecitazione al piede ed in sommità dell'elemento

Per gli elementi tipo *trave in elevazione* sono riportati, oltre al numero dell'elemento, i medesimi risultati visti per i pilastri.

Per gli elementi tipo *trave in fondazione* (trave f.) sono riportati, oltre al numero dell'elemento, i medesimi risultati visti per i pilastri e la massima pressione sul terreno.



PONTE-TUBO - RELAZIONE DI CALCOLO

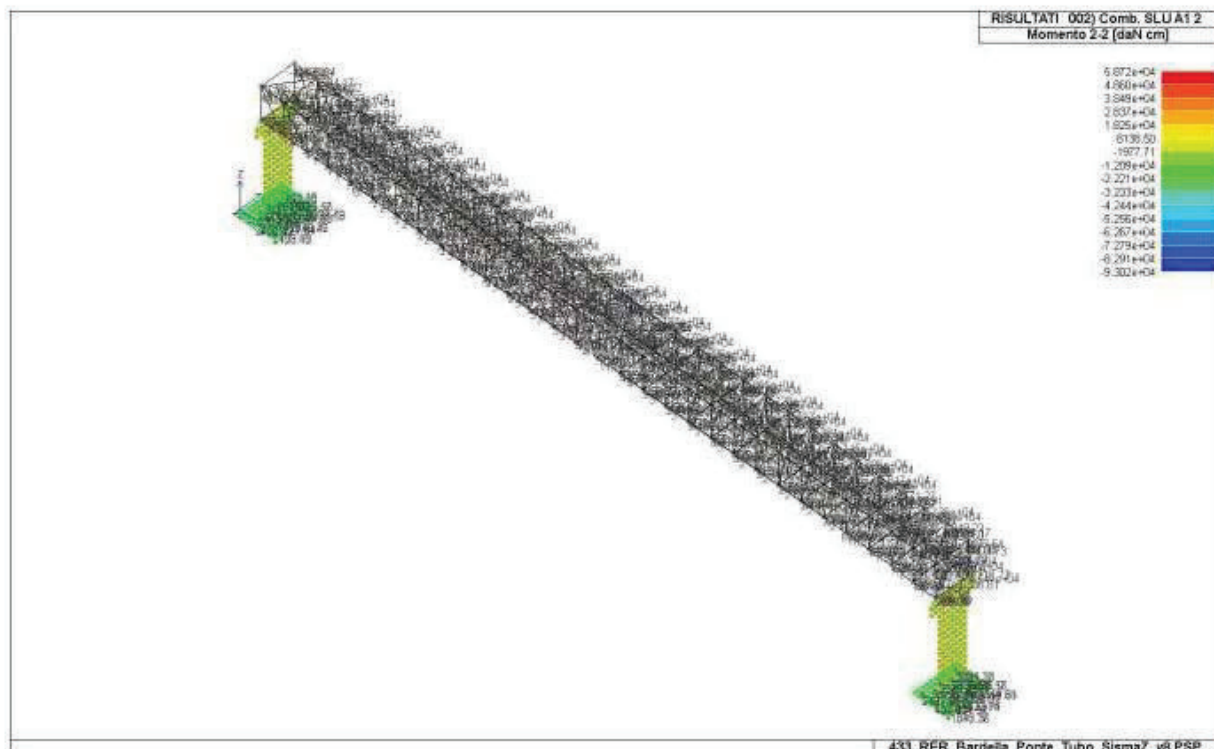
COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	134 di 288

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		daN cm	daN cm	cm	daN	cm	daN	daN	daN	daN cm	daN cm	daN cm
1	1	8822.72	-1362.53	-7.74e-03	0.0	0.0	-9946.52	389.69	-26.89	-80.97	-1362.53	4925.85
		4925.85	-1631.39	4.33e-05	0.0	10.0	-9941.57	389.69	-26.89	-80.97	-1631.39	8822.72
1	2	8635.46	-620.74	-8.88e-03	0.0	0.0	-1.099e+04	423.68	-10.90	-93.80	-620.74	4398.70
		4398.70	-830.95	-1.58e-05	-20.25	10.0	-1.099e+04	423.68	-31.15	-93.80	-830.95	8635.46
1	3	6536.18	-1007.64	-5.73e-03	0.0	0.0	-7348.65	288.41	-19.88	-59.88	-1007.64	3652.08
		3652.08	-1206.47	3.20e-05	0.0	10.0	-7345.00	288.41	-19.88	-59.88	-1206.47	6536.18
1	4	6348.92	-265.85	-6.86e-03	0.0	0.0	-8396.73	322.40	-3.89	-72.72	-265.85	3124.93
		3124.93	-406.03	-2.71e-05	-20.25	10.0	-8393.07	322.40	-24.14	-72.72	-406.03	6348.92
1	7	4.693e+04	-1.433e+04	-0.06	0.0	0.0	-2.814e+04	2082.20	-300.66	820.49	-1.433e+04	4.158e+04
		4.158e+04	-1.564e+04	7.61e-03	-12.00	10.0	-2.813e+04	2082.20	-312.66	820.49	-1.564e+04	4.693e+04
1	10	-3.236e+04	1.417e+04	0.04	0.0	0.0	1.216e+04	-1434.00	279.85	-955.46	1.320e+04	-3.350e+04
		-3.350e+04	1.320e+04	-7.62e-03	-12.00	10.0	1.216e+04	-1434.00	267.85	-955.46	1.417e+04	-3.236e+04
1	32	4.574e+04	1.347e+04	-0.06	0.0	0.0	-2.848e+04	2100.83	-334.18	663.51	1.347e+04	4.056e+04
		4.056e+04	-1.900e+04	6.64e-03	-12.00	10.0	-2.848e+04	2100.83	-346.18	663.51	-1.900e+04	4.574e+04
1	33	-3.117e+04	1.754e+04	0.04	0.0	0.0	1.251e+04	-1452.63	313.37	-798.48	-1.460e+04	-3.248e+04
		-3.248e+04	1.460e+04	-6.64e-03	-12.00	10.0	1.251e+04	-1452.63	301.37	-798.48	1.754e+04	-3.117e+04
1	53	1.952e+04	5.599e+04	-0.02	0.0	0.0	-1.377e+04	807.98	988.84	-2767.87	-5.075e+04	1.564e+04
		1.564e+04	-5.075e+04	-0.02	-12.00	10.0	-1.376e+04	807.98	976.84	-2767.87	5.599e+04	1.952e+04
1	60	-953.73	4.961e+04	7.93e-03	0.0	0.0	-2290.69	-87.22	-1009.65	2632.90	4.961e+04	-4280.85
		-4280.85	-5.745e+04	0.02	-12.00	10.0	-2287.03	-87.22	-1021.65	2632.90	-5.745e+04	-953.73
1	73	2.113e+04	6199.25	-0.03	0.0	0.0	-1.562e+04	967.93	113.97	-343.66	-5879.98	1.730e+04
		1.730e+04	-5879.98	-2.56e-03	-12.00	10.0	-1.562e+04	967.93	101.97	-343.66	6199.25	2.113e+04
1	76	-8283.96	4743.86	0.01	0.0	0.0	-316.89	-350.83	-134.78	208.69	-4743.86	-1.062e+04
		-1.062e+04	-7663.52	2.55e-03	-12.00	10.0	-313.23	-350.83	-146.78	208.69	-7663.52	-8283.96
1	82	2.090e+04	4782.40	-0.03	0.0	0.0	-1.565e+04	971.61	-132.28	209.73	4782.40	1.709e+04
		1.709e+04	-7599.95	2.51e-03	-12.00	10.0	-1.565e+04	971.61	-144.28	209.73	-7599.95	2.090e+04
1	83	-8047.85	6135.68	0.01	0.0	0.0	-290.32	-354.51	111.46	-344.70	-5918.52	-1.042e+04
		-1.042e+04	-5918.52	-2.51e-03	-12.00	10.0	-286.67	-354.51	99.46	-344.70	6135.68	-8047.85
1	93	1.119e+04	2.069e+04	-0.01	0.0	0.0	-1.023e+04	500.84	367.10	-1089.56	-1.960e+04	7833.97
		7833.97	-1.960e+04	-8.16e-03	-12.00	10.0	-1.022e+04	500.84	355.10	-1089.56	2.069e+04	1.119e+04
1	96	1655.47	1.846e+04	-7.86e-04	0.0	0.0	-5713.45	116.26	-387.92	954.59	1.846e+04	-1154.58
		-1154.58	-2.215e+04	8.16e-03	-12.00	10.0	-5709.80	116.26	-399.92	954.59	-2.215e+04	1655.47
1	133	6536.18	-1007.64	-5.73e-03	0.0	0.0	-7348.65	288.41	-19.88	-59.88	-1007.64	3652.08
		3652.08	-1206.47	3.20e-05	0.0	10.0	-7345.00	288.41	-19.88	-59.88	-1206.47	6536.18
1	134	6425.21	-568.06	-6.40e-03	0.0	0.0	-7969.73	308.55	-10.41	-67.48	-568.06	3339.70
		3339.70	-732.14	-3.01e-06	-12.00	10.0	-7966.08	308.55	-22.41	-67.48	-732.14	6425.21
1	135	6536.18	-1007.64	-5.73e-03	0.0	0.0	-7348.65	288.41	-19.88	-59.88	-1007.64	3652.08
		3652.08	-1206.47	3.20e-05	0.0	10.0	-7345.00	288.41	-19.88	-59.88	-1206.47	6536.18
1	136	6397.47	-458.16	-6.57e-03	0.0	0.0	-8125.00	313.59	-8.04	-69.39	-458.16	3261.60
		3261.60	-613.55	-1.18e-05	-15.00	10.0	-8121.35	313.59	-23.04	-69.39	-613.55	6397.47
1	137	6536.18	-1007.64	-5.73e-03	0.0	0.0	-7348.65	288.41	-19.88	-59.88	-1007.64	3652.08
		3652.08	-1206.47	3.20e-05	0.0	10.0	-7345.00	288.41	-19.88	-59.88	-1206.47	6536.18
1	138	6411.34	-513.11	-6.48e-03	0.0	0.0	-8047.37	311.07	-9.22	-68.44	-513.11	3300.65
		3300.65	-672.84	-7.39e-06	-13.50	10.0	-8043.71	311.07	-22.72	-68.44	-672.84	6411.34
1	139	6536.18	-1007.64	-5.73e-03	0.0	0.0	-7348.65	288.41	-19.88	-59.88	-1007.64	3652.08
		3652.08	-1206.47	3.20e-05	0.0	10.0	-7345.00	288.41	-19.88	-59.88	-1206.47	6536.18
1	140	6425.21	-568.06	-6.40e-03	0.0	0.0	-7969.73	308.55	-10.41	-67.48	-568.06	3339.70
		3339.70	-732.14	-3.01e-06	-12.00	10.0	-7966.08	308.55	-22.41	-67.48	-732.14	6425.21
2	1	1.098e+04	-947.22	-7.80e-03	0.0	0.0	-9905.79	425.19	-21.91	-81.16	-947.22	6726.30
		6726.30	-1166.33	1.14e-04	0.0	10.0	-9900.83	425.19	-21.91	-81.16	-1166.33	1.098e+04
2	2	1.114e+04	-159.66	-8.94e-03	0.0	0.0	-1.097e+04	464.87	-5.37	-94.07	-159.66	6489.88
		6489.88	-314.61	6.22e-05	-20.25	10.0	-1.096e+04	464.87	-25.62	-94.07	-314.61	1.114e+04
2	3	8130.27	-700.80	-5.77e-03	0.0	0.0	-7318.56	314.66	-16.21	-60.02	-700.80	4983.63
		4983.63	-862.88	8.40e-05	0.0	10.0	-7314.90	314.66	-16.21	-60.02	-862.88	8130.27
2	4	8290.66	86.76	-6.91e-03	0.0	0.0	-8381.69	354.34	0.33	-72.93	86.76	4747.21
		4747.21	-11.15	3.25e-05	-20.25	10.0	-8378.03	354.34	-19.92	-72.93	-11.15	8290.66
2	6	6.658e+04	1.753e+04	-0.06	0.0	0.0	-3.328e+04	2420.67	350.27	-775.93	1.753e+04	6.658e+04
		5.765e+04	1.586e+04	-8.18e-03	-12.00	10.0	-3.328e+04	2420.67	338.27	-775.93	1.586e+04	6.658e+04
2	11	-4.656e+04	-1.633e+04	0.04	0.0	0.0	1.735e+04	-1713.23	-363.08	640.64	-1.633e+04	-4.656e+04
		-4.842e+04	-1.824e+04	8.29e-03	-12.00	10.0	1.735e+04	-1713.23	-375.08	640.64	-1.824e+04	-4.842e+04
2	53	9.215e+04	5.625e+04	-0.02	0.0	0.0	-2.754e+04	2049.51	993.81	-2759.29	-5.024e+04	7.732e+04
		7.732e+04	-5.024e+04	-0.02	-12.00	10.0	-2.754e+04	2049.51	981.81	-2759.29	5.625e+04	9.215e+04
2	60	-6.296e+04	4.977e+04	9.67e-03	0.0	0.0	1.153e+04	-1269.54	-1006.65	2624.13	-6.296e+04	-6.999e+04
		-6.999e+04	-5.697e+04	0.02	-12.00	10.0	1.153e+04	-1269.54	-1018.65	2624.13	-5.697e+04	-6.999e+04
2	62	9.441e+04	5.517e+04	-0.02	0.0	0.0	-2.781e+04	2082.02	972.71	-2816.07	-5.112e+04	7.722e+04
		7.722e+04	-5.112e+04	-0.02	-12.00	10.0	-2.781e+04	2082.02	960.71	-2816.07	5.517e+04	9.441e+04
2	67	-6.286e+04	5.065e+04	9.80e-03	0.0	0.0	1.180e+04	-1302.05	-985.55	2680.91	-6.286e+04	-7.225e+04
		-7.225e+04	-5.588e+04	0.02	-12.00	10.0	1.180e+04	-1302.05	-997.55	2680.91	-5.588e+04	-7.225e+04
2	69	3.016e+04	6459.32	-0.03	0.0	0.0	-1.746e+04	1122.74	129.27	-334.53	5896.83	2.501e+04
		2.501e+04	5896.83	-3.06e-03	-12.00	10.0	-1.746e+04	1122.74	117.27	-334.53	6459.32	3.016e+04
2	72	-1.371e+04	-6365.03	0.01	0.0	0.0	1567.17	-446.39	-142.08	199.19	-6365.03	-1.532e+04
		-1.532e+04	-7175.63	3.17e-03	-12.00	10.0	1570.83	-446.39	-154.08	199.19	-7175.63	-1.371e+04
2	93	4.017e+04	2.102e+04	-0.01	0.0	0.0	-1.542e+04	988.76	371.48	-1086.43	-1.920e+04	3.210e+04

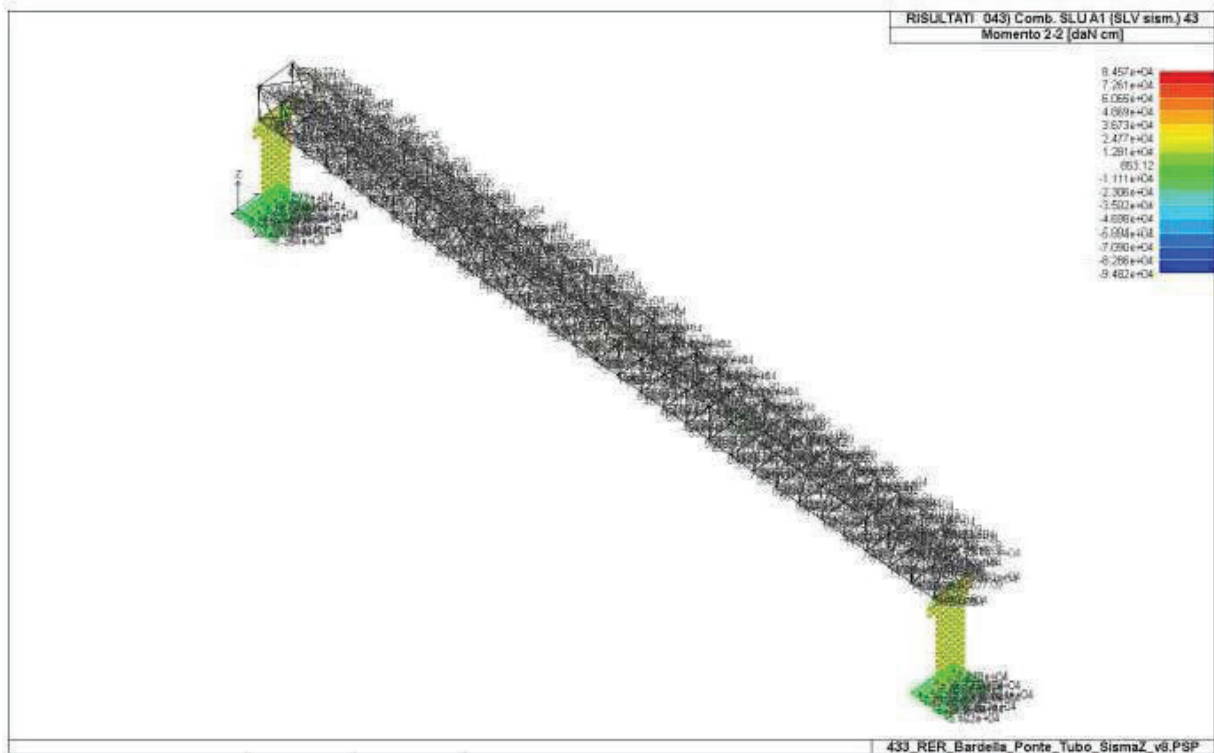
PONTE-TUBO - RELAZIONE DI CALCOLO

COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	135 di 288

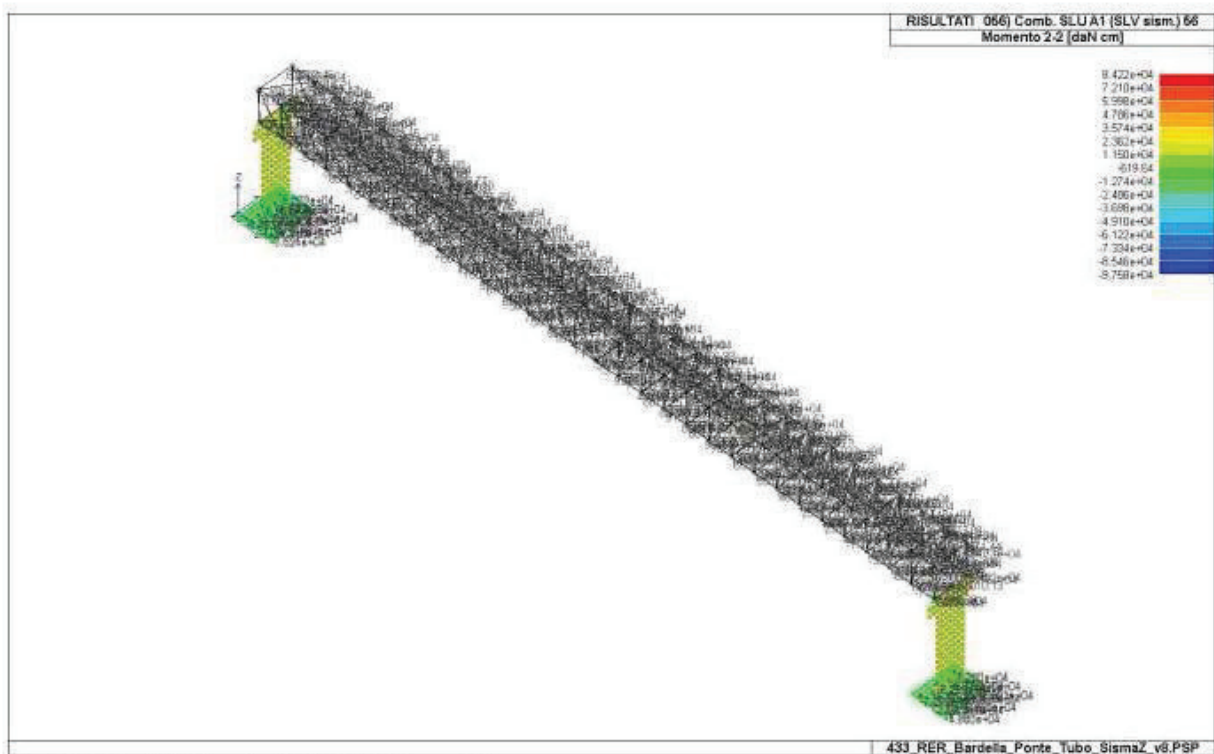
372	88	3.489e+04	4.050e+04	-0.04	0.0	0.0	-8.238e+04	370.58	230.14	100.47	1.649e+04	-1.556e+04
		-1.556e+04	1.649e+04	0.05	-109.71	135.0	-8.238e+04	370.58	120.43	100.47	4.050e+04	3.489e+04
372	89	2.499e+04	3.469e+04	-0.03	0.0	0.0	-1.044e+05	330.30	157.33	71.45	2.120e+04	-1.918e+04
		-1.918e+04	2.120e+04	0.06	-109.71	135.0	-1.044e+05	330.30	47.62	71.45	3.469e+04	2.499e+04
372	94	3.649e+04	4.191e+04	-0.02	0.0	0.0	-8.238e+04	381.70	240.18	95.30	1.645e+04	-1.559e+04
		-1.559e+04	1.645e+04	0.05	-109.71	135.0	-8.238e+04	381.70	130.46	95.30	4.191e+04	3.649e+04
372	96	3.639e+04	4.177e+04	-0.02	0.0	0.0	-8.238e+04	381.00	239.18	95.67	1.644e+04	-1.559e+04
		-1.559e+04	1.644e+04	0.05	-109.71	135.0	-8.238e+04	381.00	129.47	95.67	4.177e+04	3.639e+04
372	133	2.649e+04	3.318e+04	-0.03	0.0	0.0	-8.264e+04	309.72	177.73	77.47	1.659e+04	-1.532e+04
		-1.532e+04	1.659e+04	0.05	-109.71	135.0	-8.264e+04	309.72	68.01	77.47	3.318e+04	2.649e+04
372	134	2.994e+04	3.760e+04	-0.03	0.0	0.0	-9.339e+04	350.47	193.76	85.74	1.885e+04	-1.737e+04
		-1.737e+04	1.885e+04	0.05	-109.71	135.0	-9.339e+04	350.47	84.05	85.74	3.760e+04	2.994e+04
372	135	2.649e+04	3.318e+04	-0.03	0.0	0.0	-8.264e+04	309.72	177.73	77.47	1.659e+04	-1.532e+04
		-1.532e+04	1.659e+04	0.05	-109.71	135.0	-8.264e+04	309.72	68.01	77.47	3.318e+04	2.649e+04
372	136	3.081e+04	3.870e+04	-0.03	0.0	0.0	-9.608e+04	360.65	197.77	87.80	1.941e+04	-1.788e+04
		-1.788e+04	1.941e+04	0.06	-109.71	135.0	-9.608e+04	360.65	88.06	87.80	3.870e+04	3.081e+04
372	137	2.649e+04	3.318e+04	-0.03	0.0	0.0	-8.264e+04	309.72	177.73	77.47	1.659e+04	-1.532e+04
		-1.532e+04	1.659e+04	0.05	-109.71	135.0	-8.264e+04	309.72	68.01	77.47	3.318e+04	2.649e+04
372	138	3.037e+04	3.815e+04	-0.03	0.0	0.0	-9.474e+04	355.56	195.77	86.77	1.913e+04	-1.763e+04
		-1.763e+04	1.913e+04	0.05	-109.71	135.0	-9.474e+04	355.56	86.06	86.77	3.815e+04	3.037e+04
372	139	2.649e+04	3.318e+04	-0.03	0.0	0.0	-8.264e+04	309.72	177.73	77.47	1.659e+04	-1.532e+04
		-1.532e+04	1.659e+04	0.05	-109.71	135.0	-8.264e+04	309.72	68.01	77.47	3.318e+04	2.649e+04
372	140	2.994e+04	3.760e+04	-0.03	0.0	0.0	-9.339e+04	350.47	193.76	85.74	1.885e+04	-1.737e+04
		-1.737e+04	1.885e+04	0.05	-109.71	135.0	-9.339e+04	350.47	84.05	85.74	3.760e+04	2.994e+04
Trave		M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	N	V 2	V 3	T			
		-9.793e+04	-9.758e+04	-2.67	-148.83	-1.370e+05	-806.43	-929.58	-2909.12			
		6.087e+04	5.872e+04	2.67	148.83	1.410e+05	806.43	929.58	2909.12			



43_RIS_M2_002_Comb. SLU A1 2



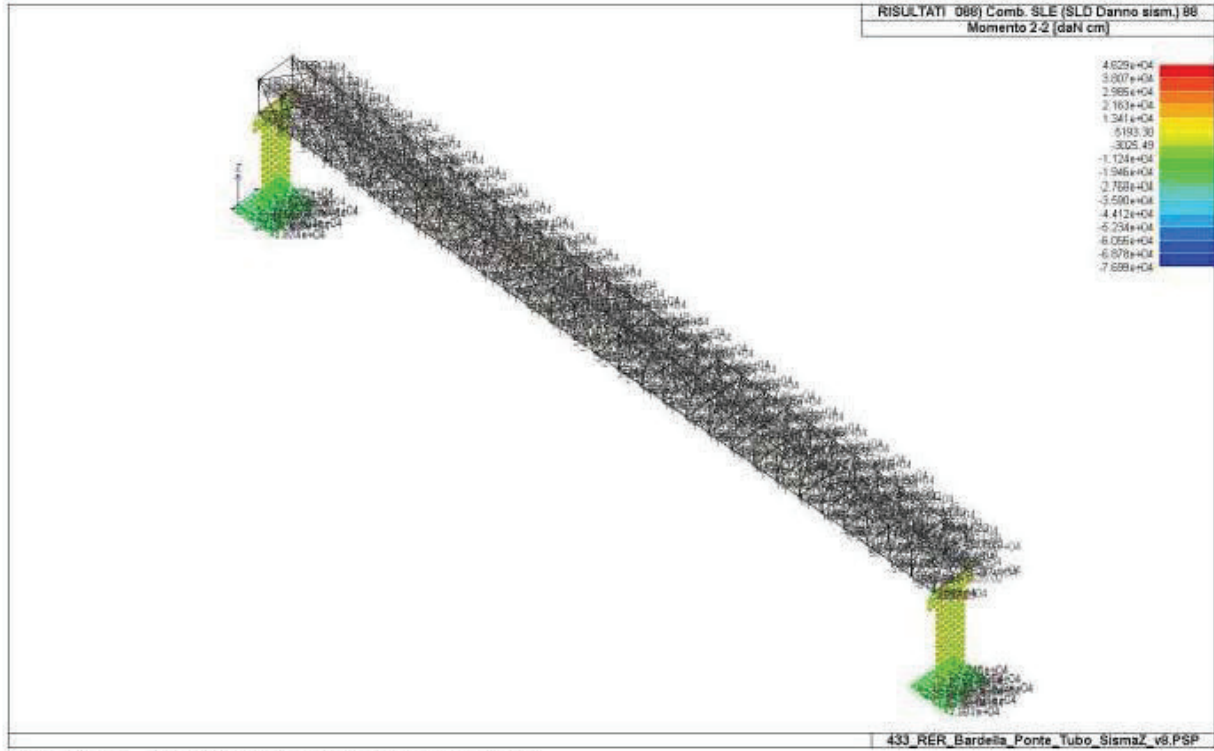
43_RIS_M2_043_Comb. SLU A1 (SLV sism.) 43



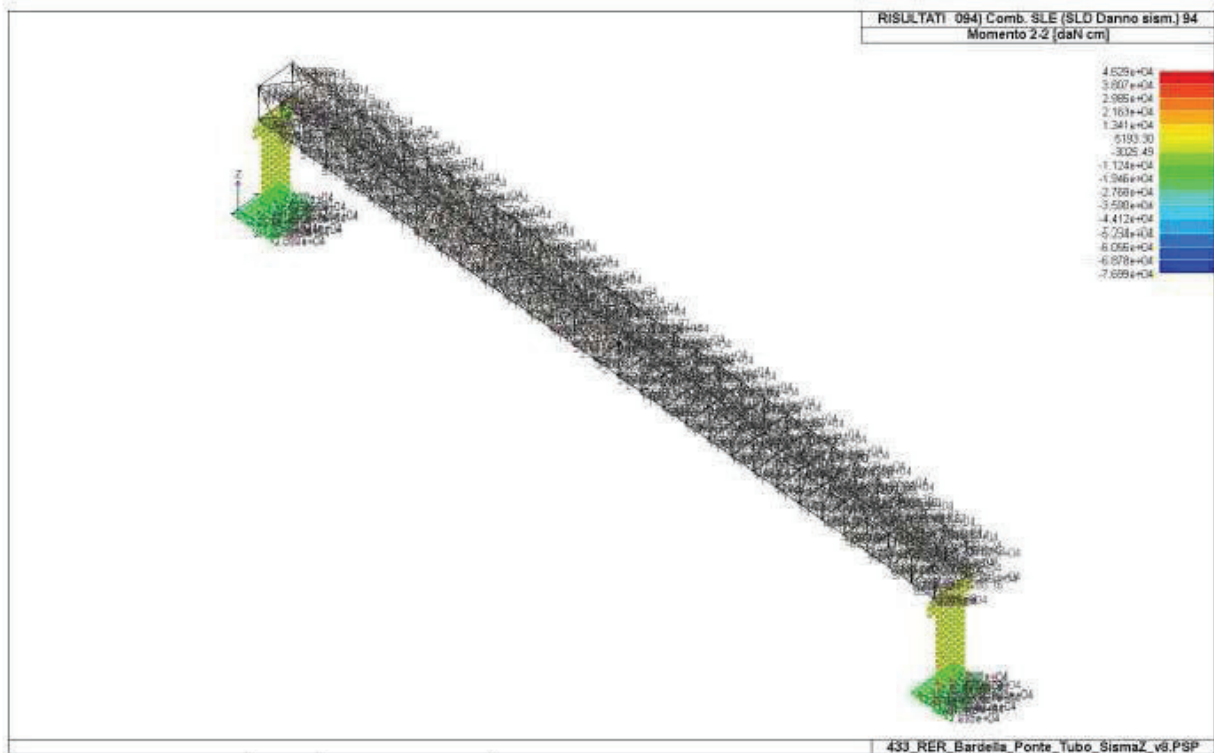
43_RIS_M2_056_Comb. SLU A1 (SLV sism.) 56

PONTE-TUBO - RELAZIONE DI CALCOLO

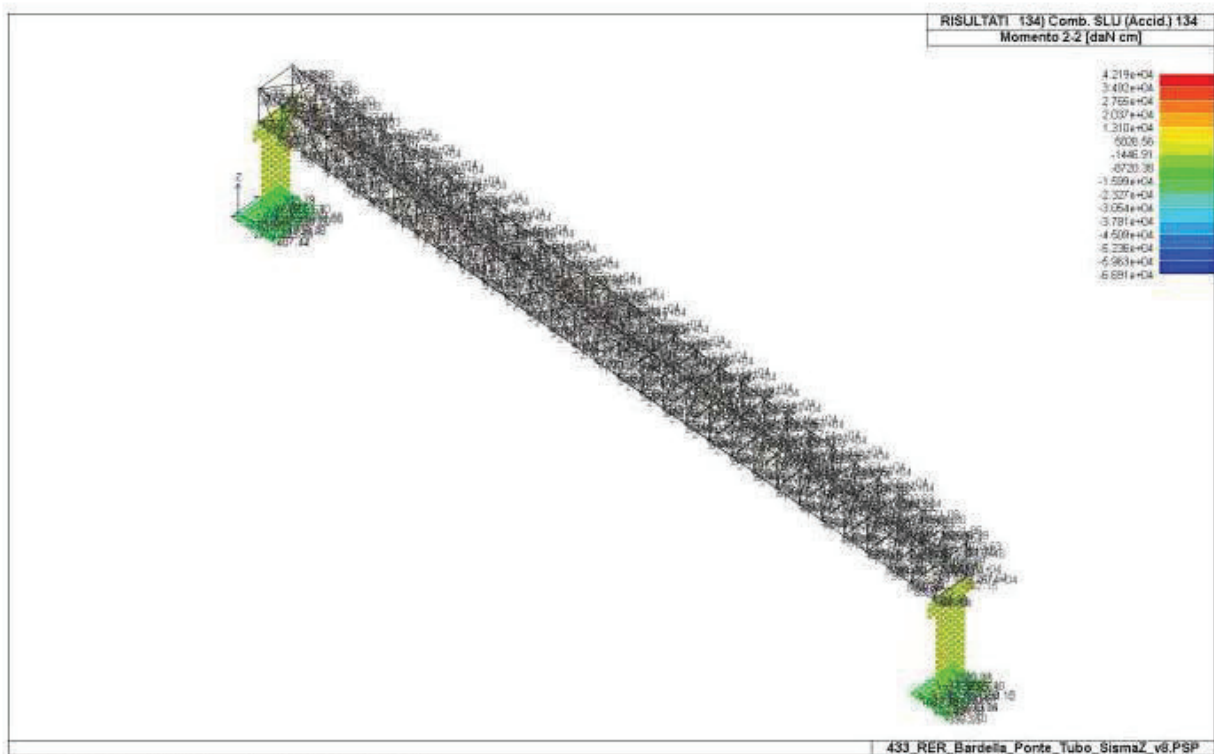
COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	137 di 288



43_RIS_M2_088_Comb. SLE (SLD Danno sism.) 88



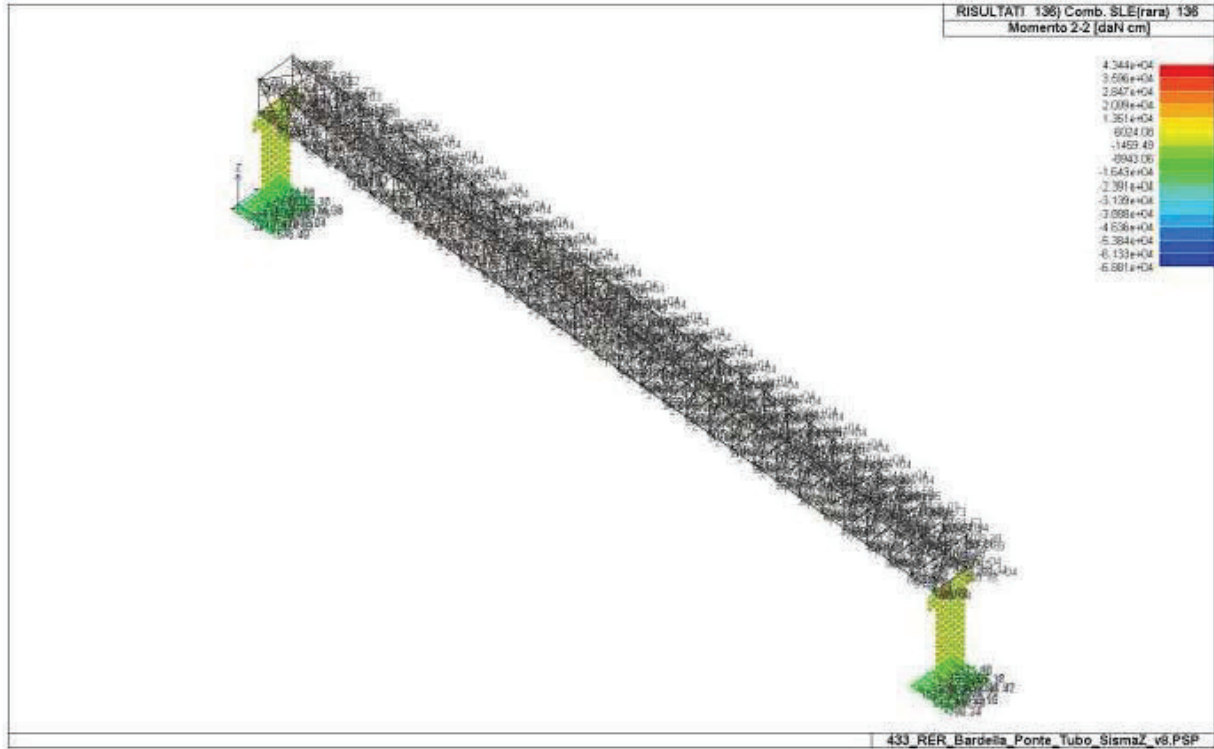
43_RIS_M2_094_Comb. SLE (SLD Danno sism.) 94



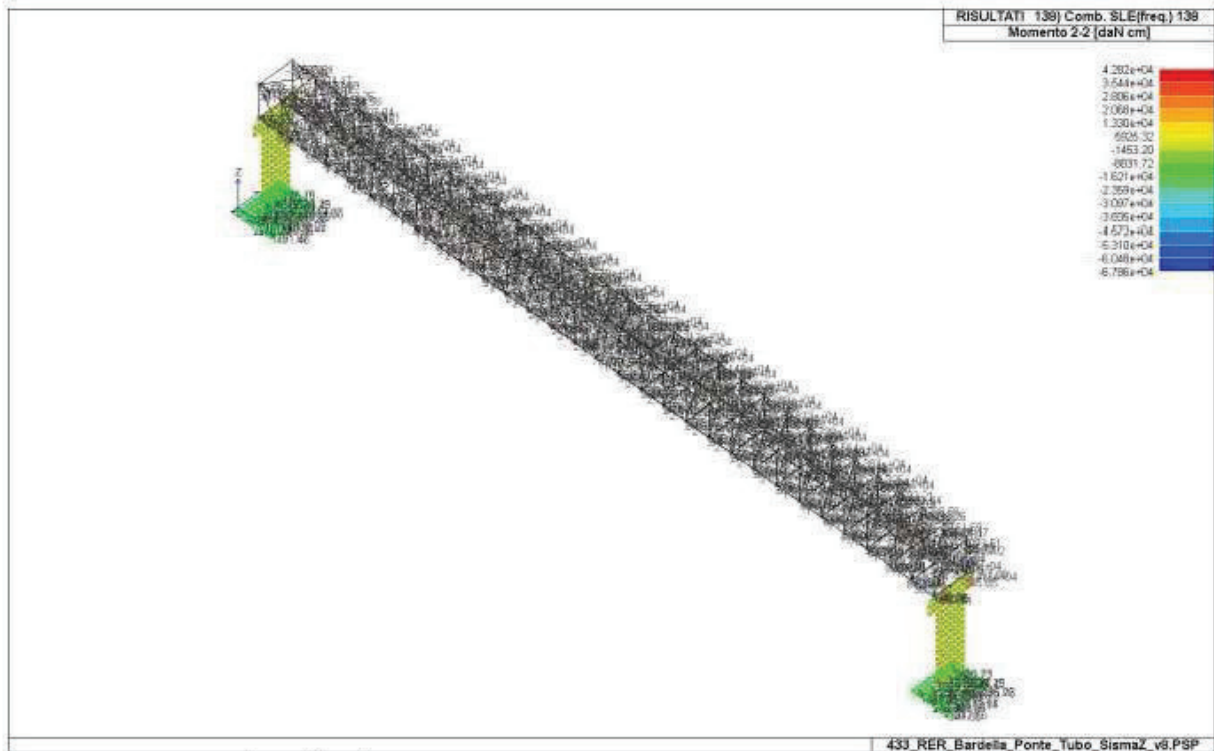
43_RIS_M2_134_Comb. SLU (Accid.) 134

PONTE-TUBO - RELAZIONE DI CALCOLO

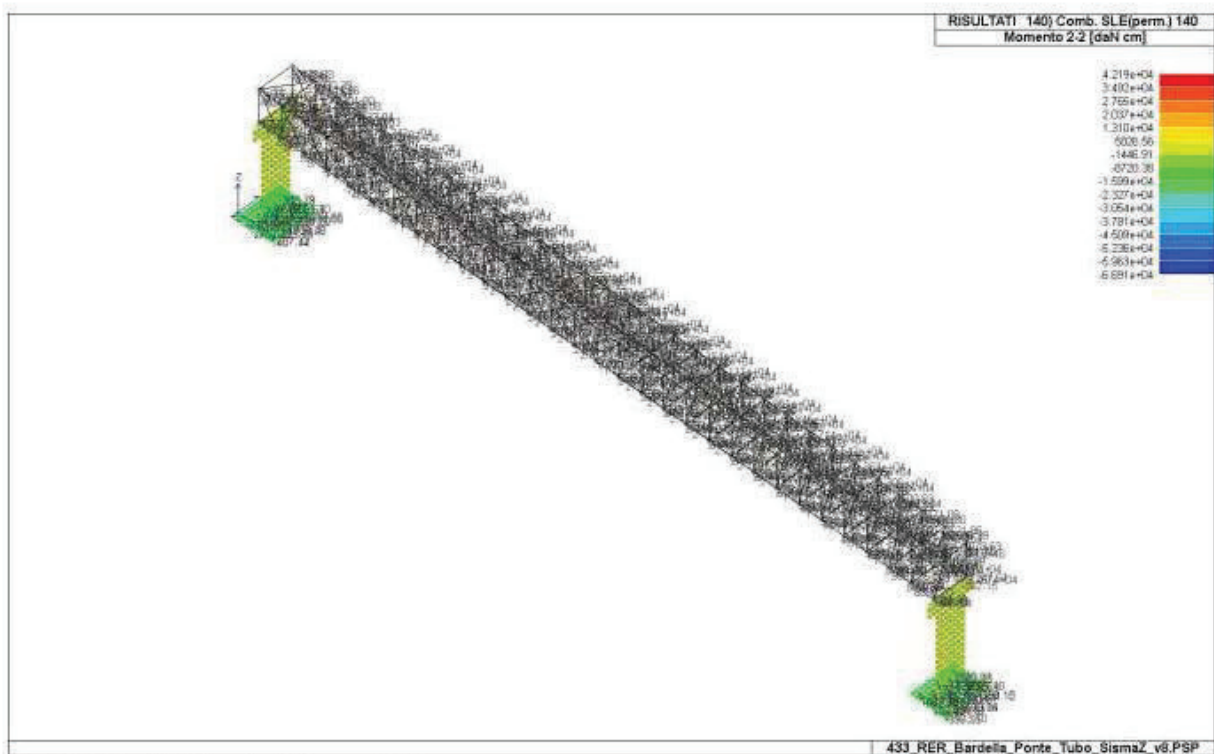
COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	139 di 288



43_RIS_M2_136_Comb. SLE(rara) 136



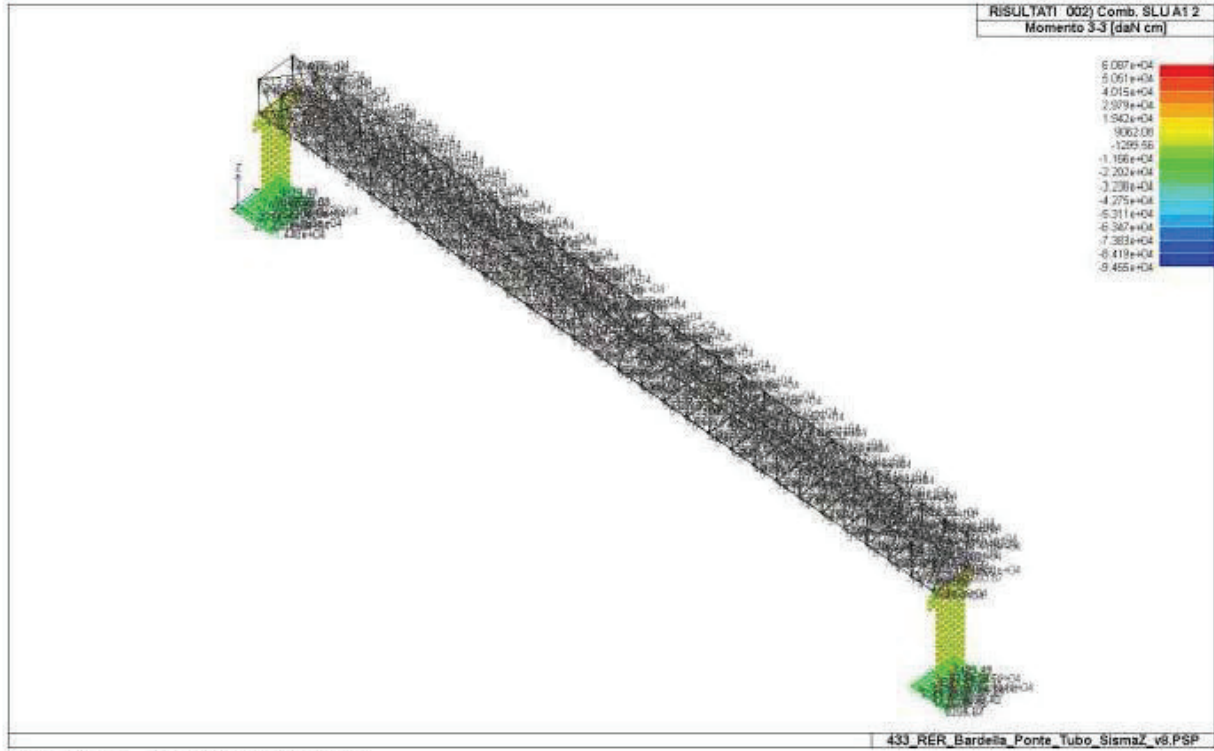
43_RIS_M2_138_Comb. SLE(freq.) 138



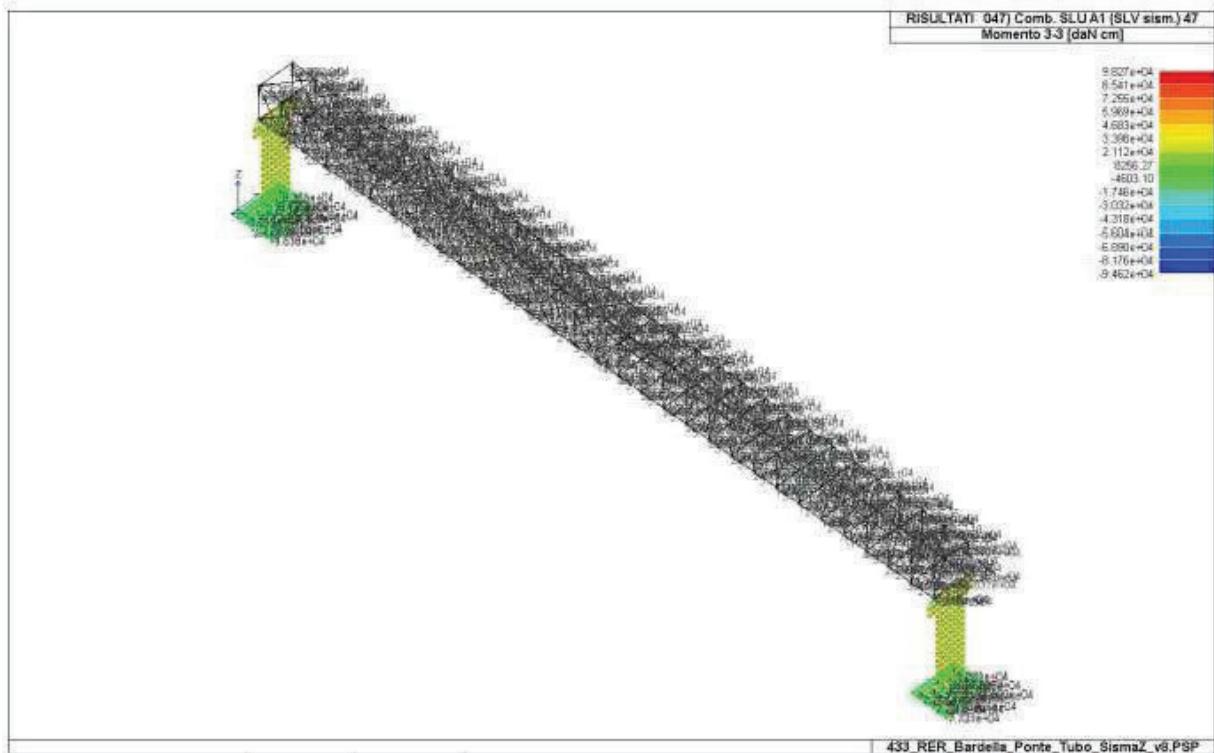
43_RIS_M2_140_Comb. SLE(perm.) 140

PONTE-TUBO - RELAZIONE DI CALCOLO

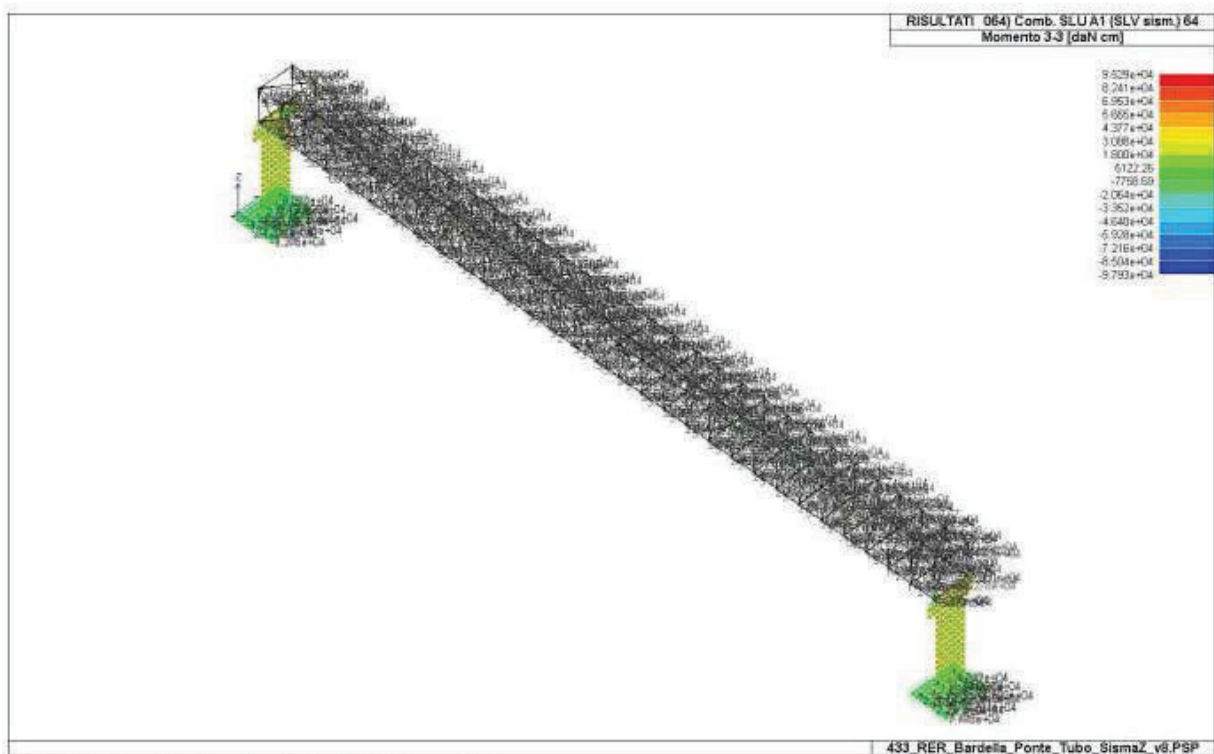
COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	141 di 288



43_RIS_M3_002_Comb. SLU A1 2



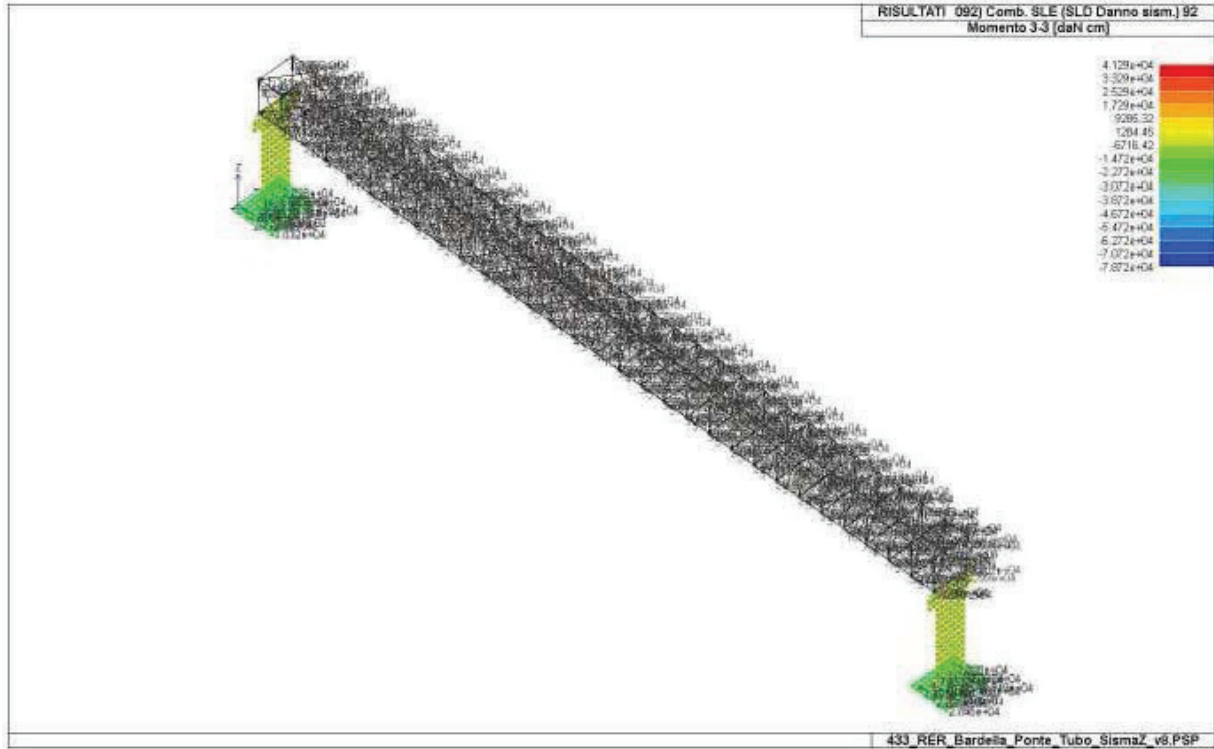
43_RIS_M3_047_Comb. SLU A1 (SLV sism.) 47



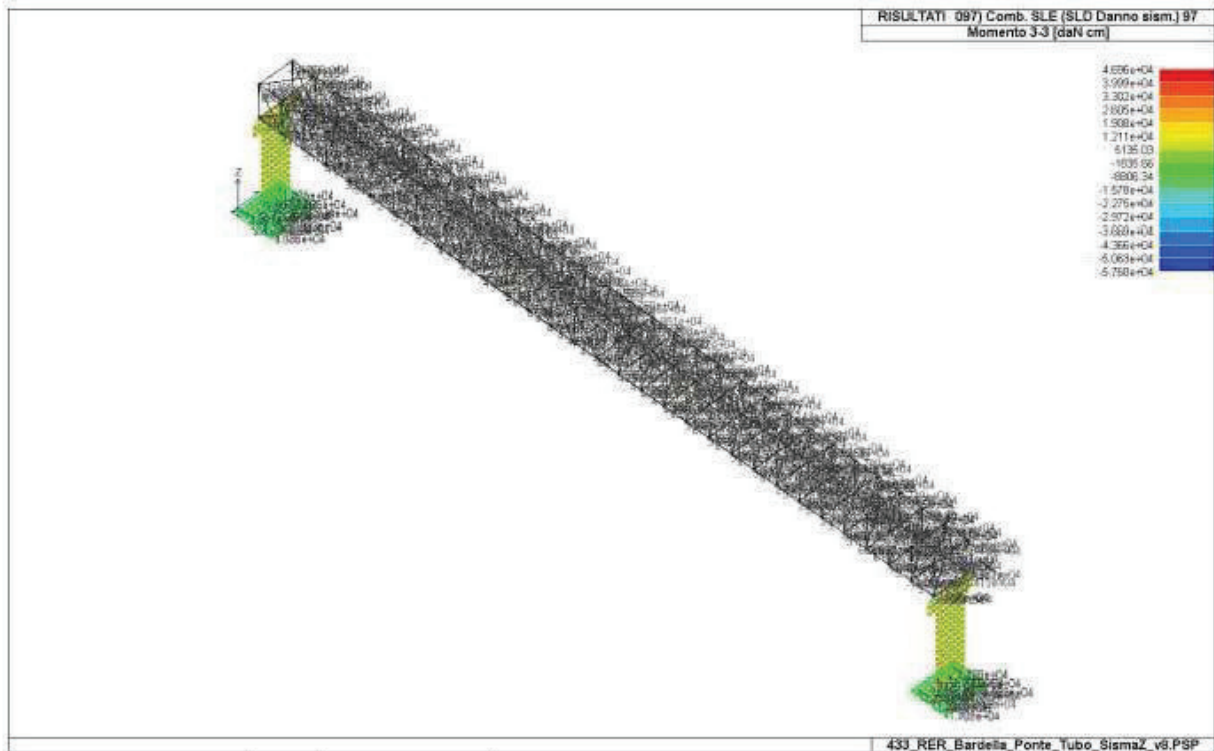
43_RIS_M3_064_Comb. SLU A1 (SLV sism.) 64

PONTE-TUBO - RELAZIONE DI CALCOLO

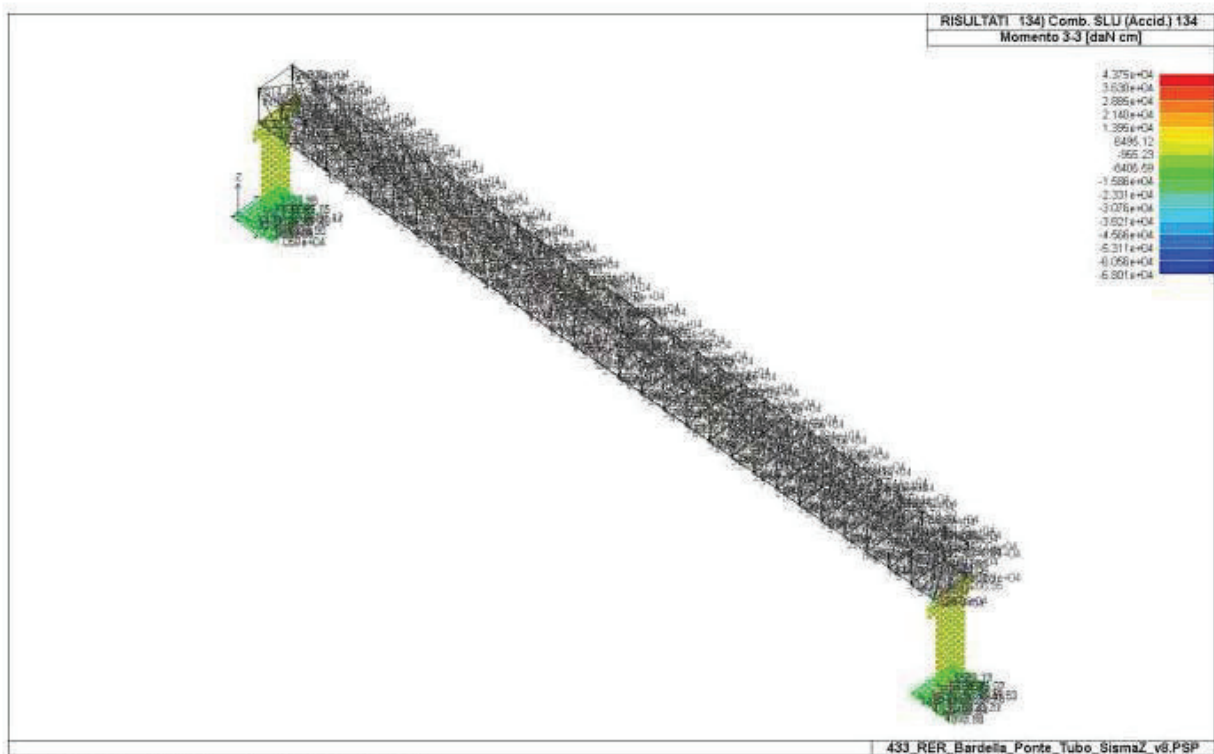
COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	143 di 288



43_RIS_M3_092_Comb. SLE (SLD Danno sism.) 92



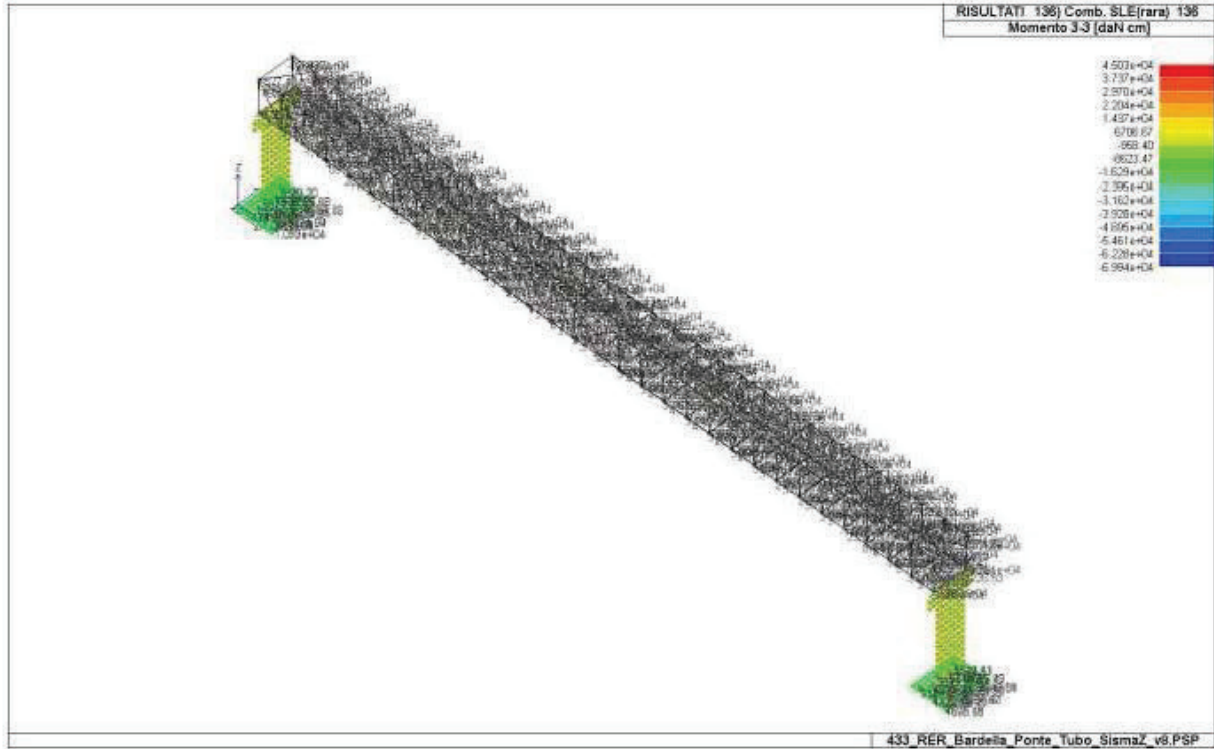
43_RIS_M3_097_Comb. SLE (SLD Danno sism.) 97



43_RIS_M3_134_Comb. SLU (Accid.) 134

PONTE-TUBO - RELAZIONE DI CALCOLO

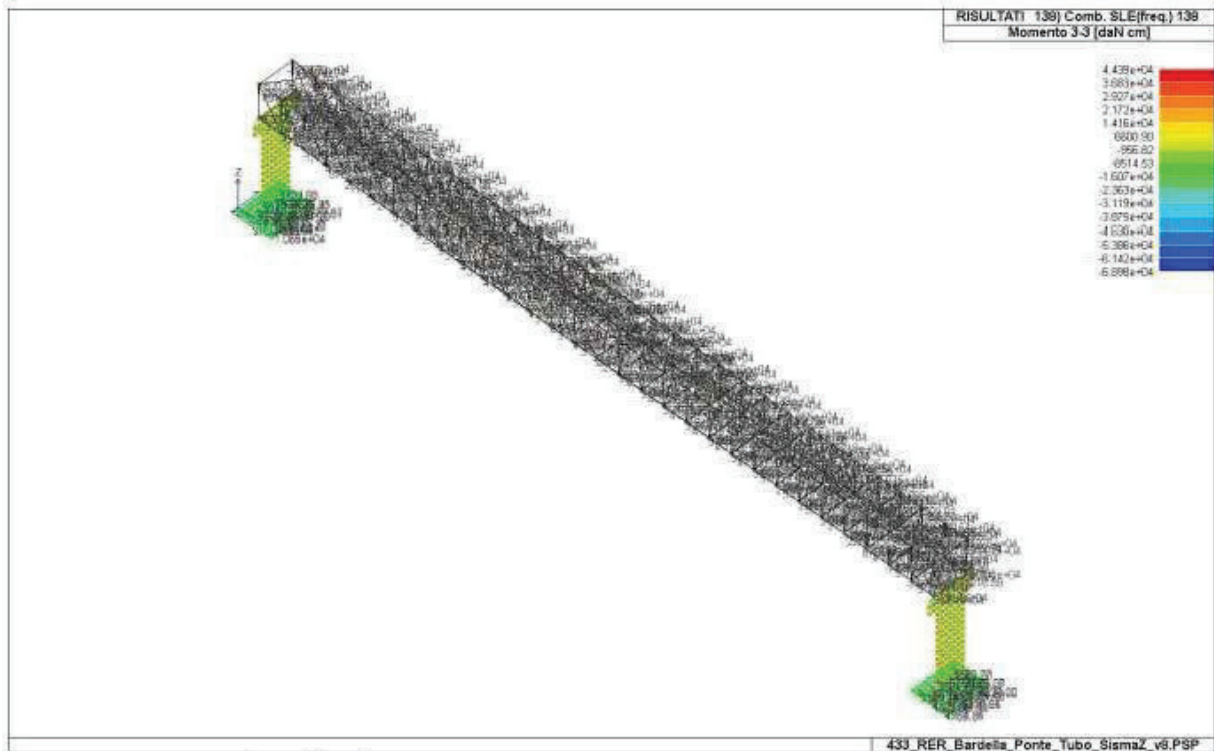
COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	145 di 288



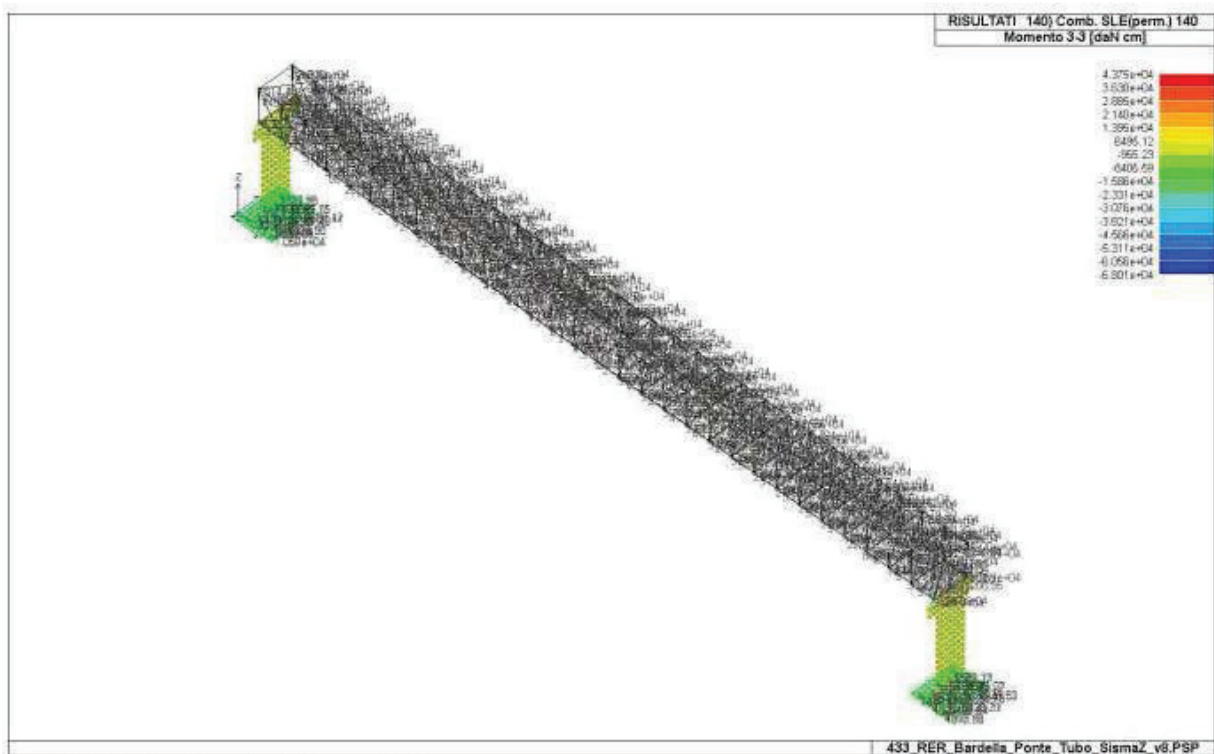
43_RIS_M3_136_Comb. SLE(rara) 136

PONTE-TUBO - RELAZIONE DI CALCOLO

COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	146 di 288



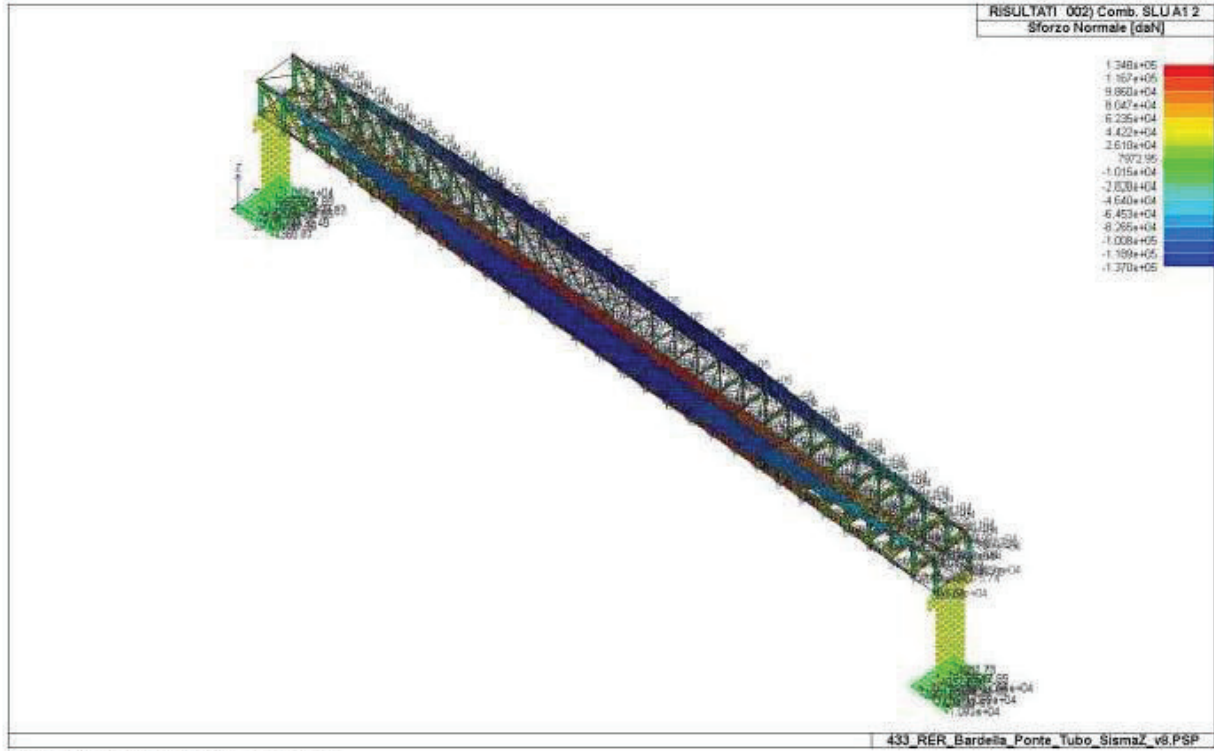
43_RIS_M3_138_Comb. SLE(freq.) 138



43_RIS_M3_140_Comb. SLE(perm.) 140

PONTE-TUBO - RELAZIONE DI CALCOLO

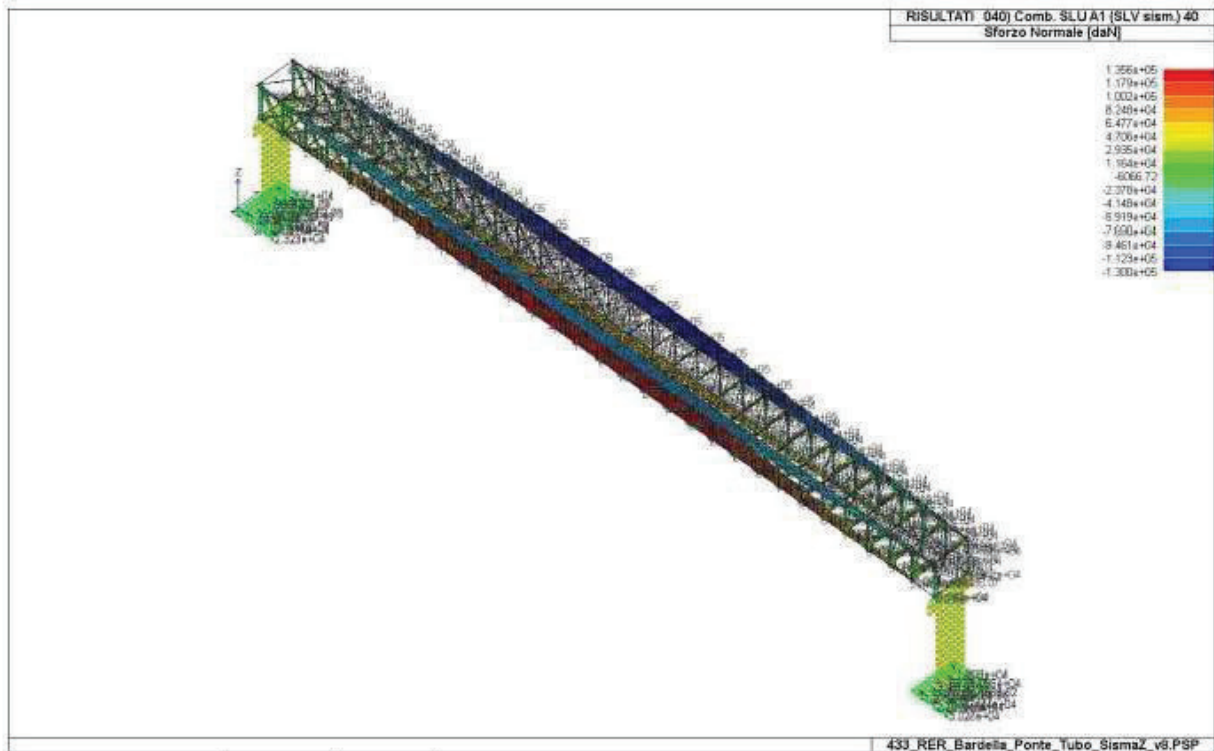
COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	147 di 288



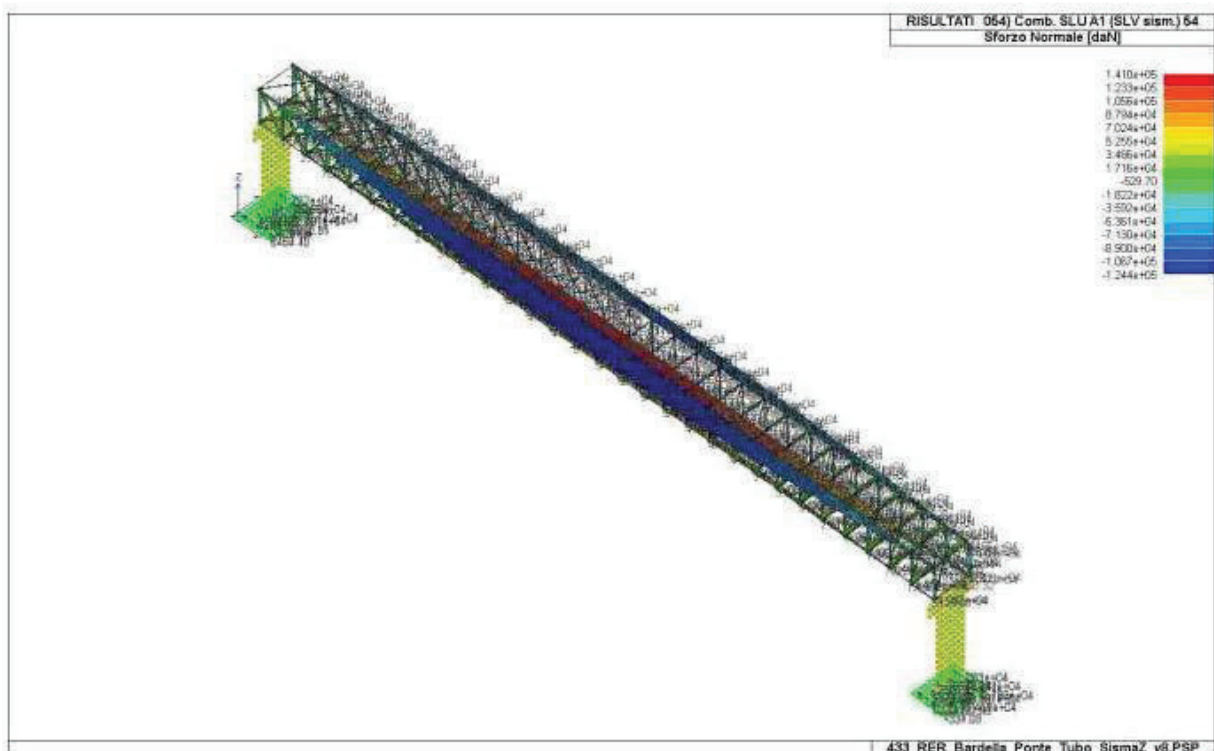
43_RIS_N_002_Comb. SLU A1 2

PONTE-TUBO - RELAZIONE DI CALCOLO

COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	148 di 288



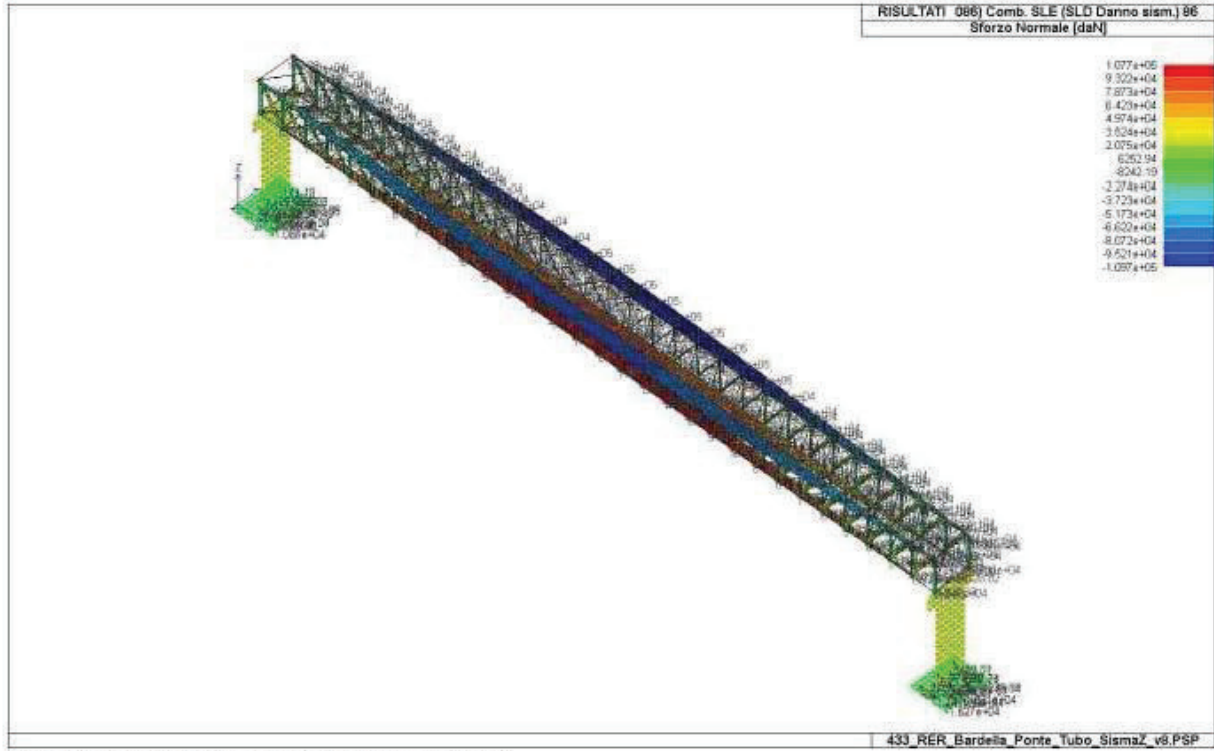
43_RIS_N_040_Comb. SLU A1 (SLV sism.) 40



43_RIS_N_054_Comb. SLU A1 (SLV sism.) 54

PONTE-TUBO - RELAZIONE DI CALCOLO

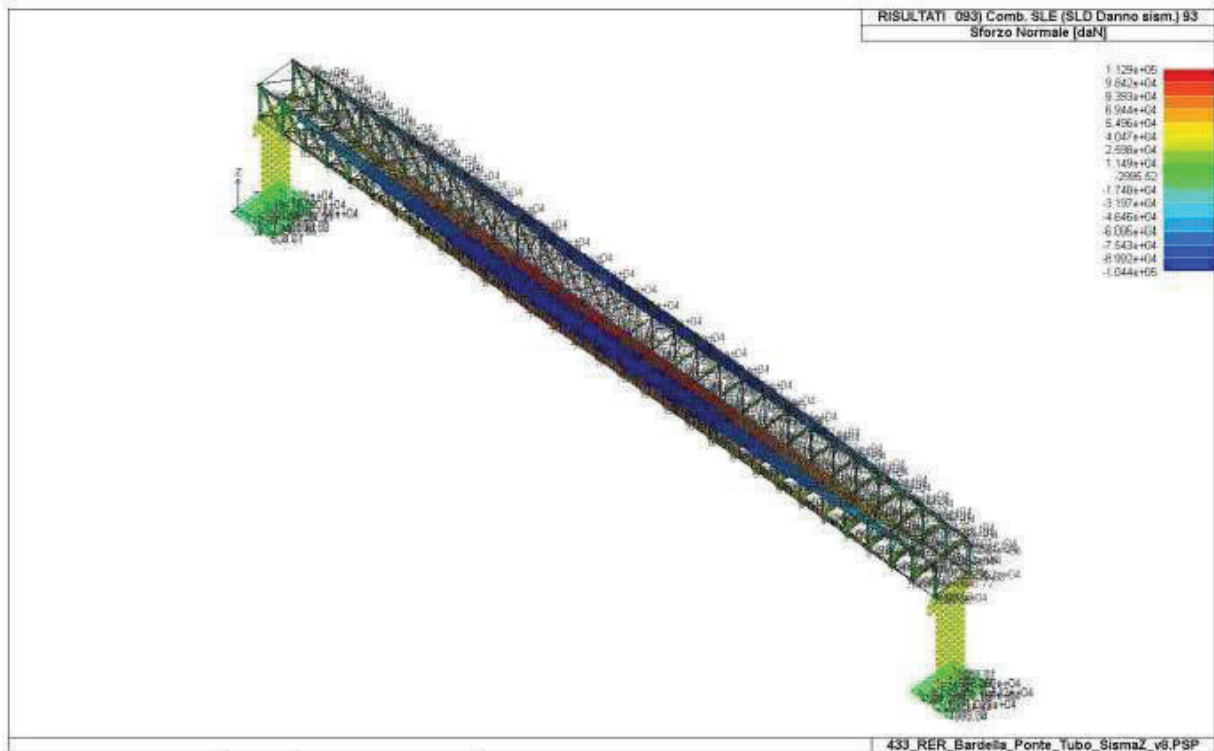
COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	149 di 288



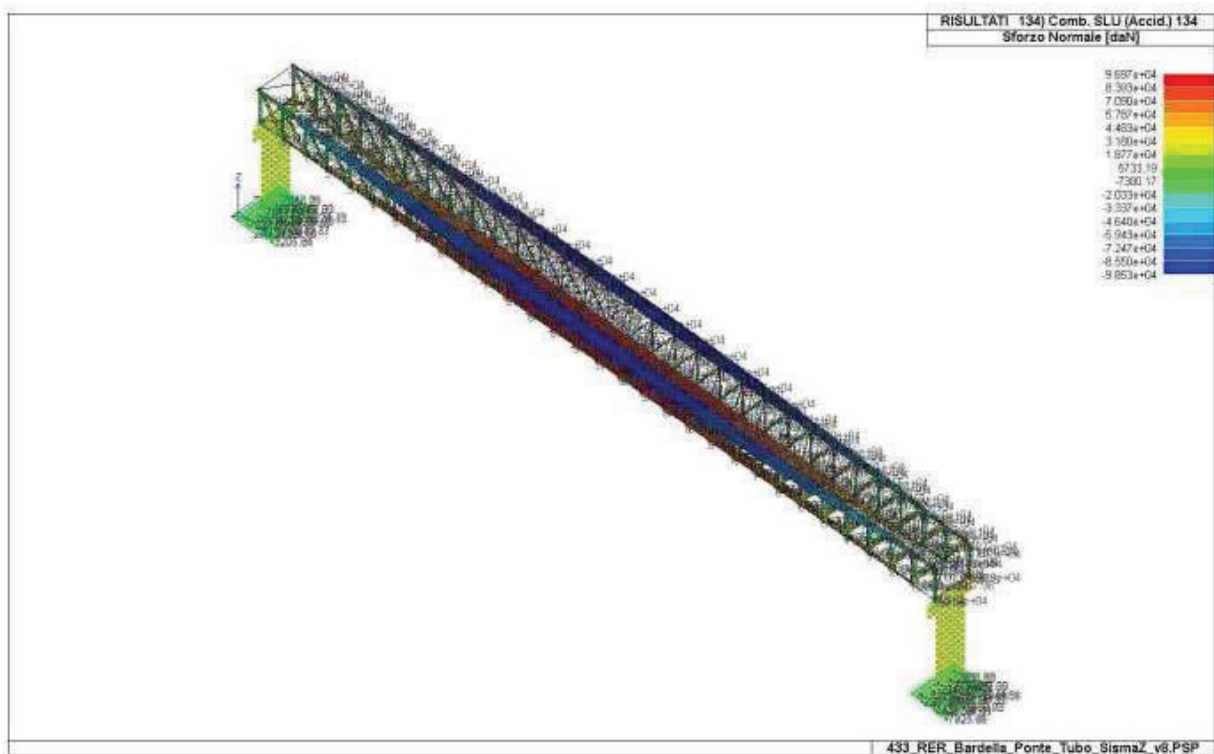
43_RIS_N_086_Comb. SLE (SLD Danno sism.) 86

PONTE-TUBO - RELAZIONE DI CALCOLO

COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	150 di 288



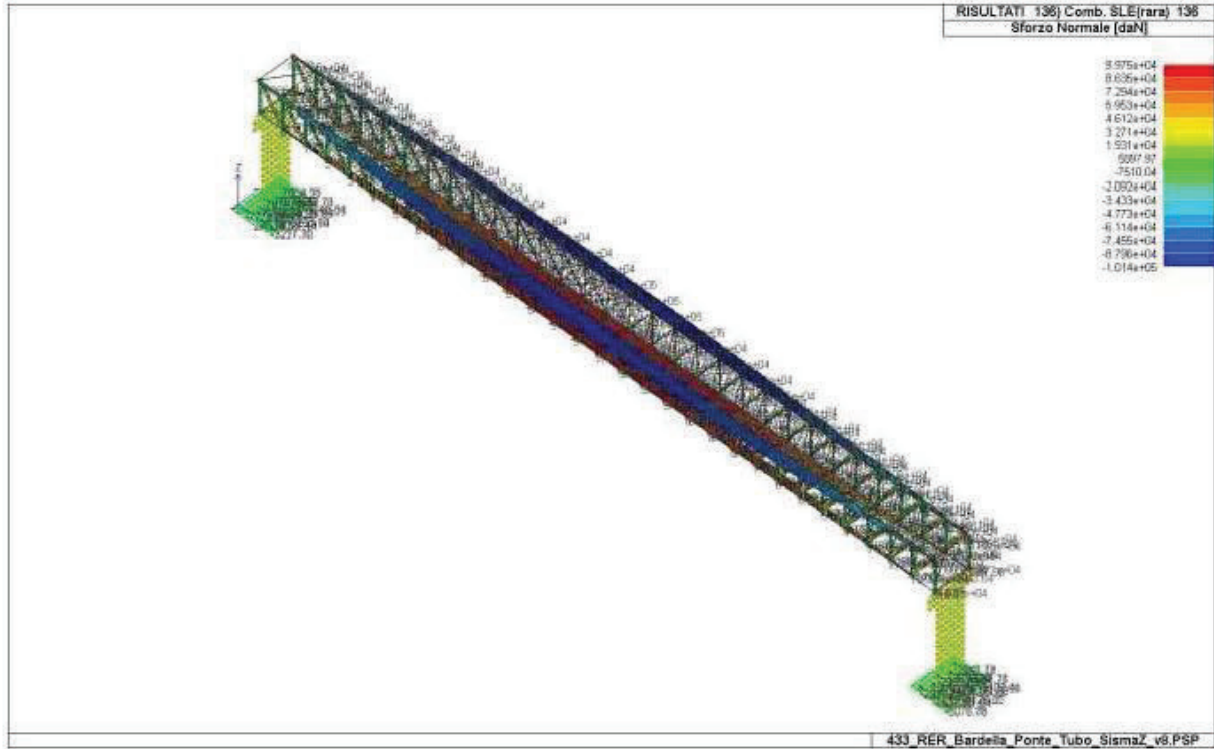
43_RIS_N_093_Comb. SLE (SLD Danno sism.) 93



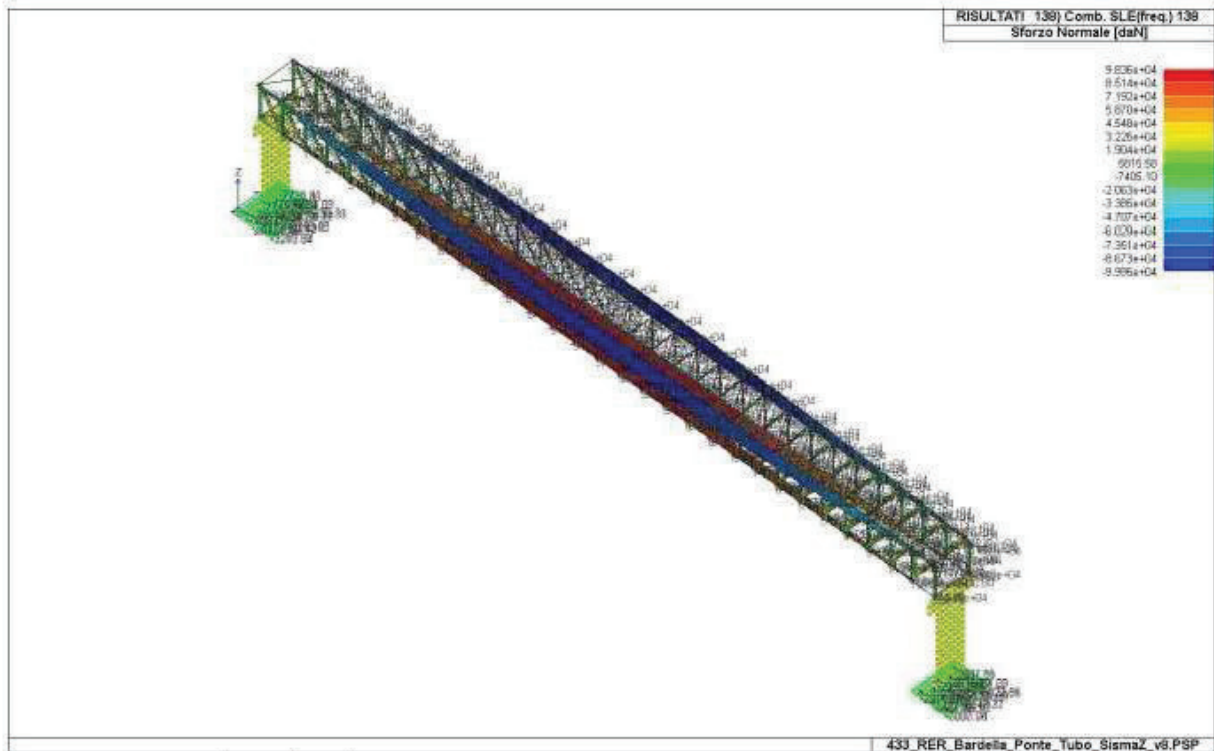
43_RIS_N_134_Comb. SLU (Accid.) 134

PONTE-TUBO - RELAZIONE DI CALCOLO

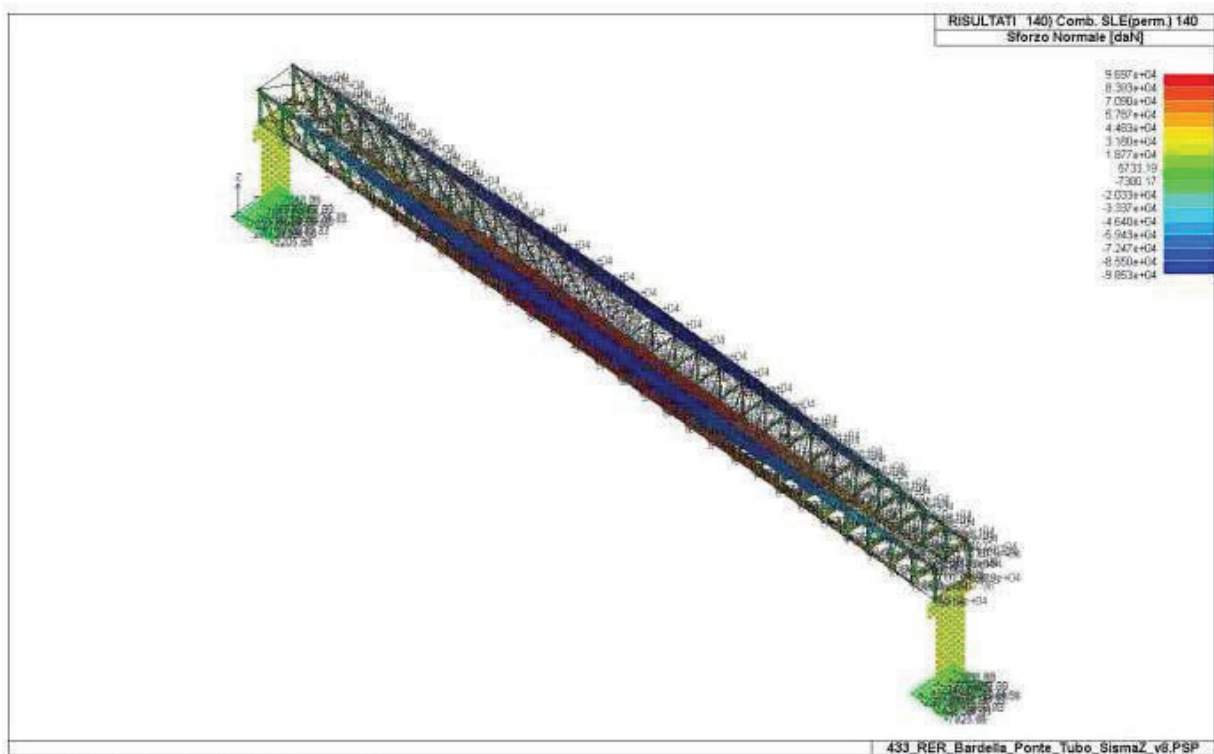
COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	151 di 288



43_RIS_N_136_Comb. SLE(rara) 136



43_RIS_N_138_Comb. SLE(freq.) 138



43_RIS_N_140_Comb. SLE(perm.) 140

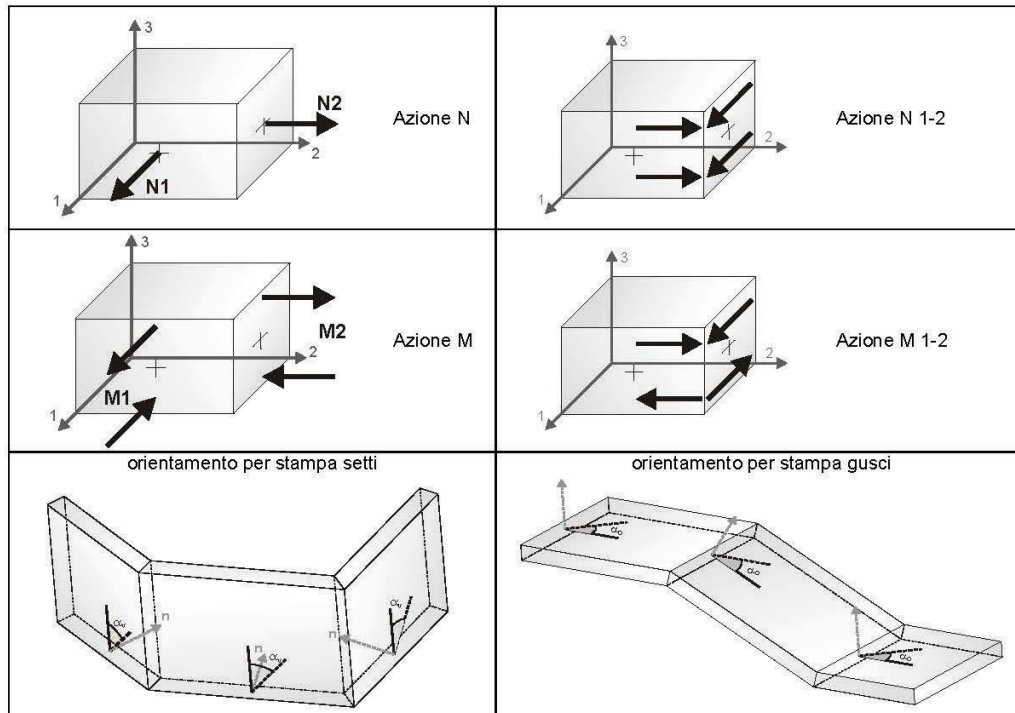
PONTE-TUBO - RELAZIONE DI CALCOLO

COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	153 di 288

RISULTATI ELEMENTI TIPO SHELL

LEGENDA RISULTATI ELEMENTI TIPO SHELL

Il controllo dei risultati delle analisi condotte, per quanto concerne gli elementi tipo shell, è possibile in relazione alle tabelle sottoriportate. Per ogni elemento, e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.



In particolare vengono riportati in ogni nodo di un elemento per ogni combinazione:

tensione di Von Mises	(valore riassuntivo del complessivo stato di sollecitazione)
N max	sforzo membranale principale massimo
N min	sforzo membranale principale minimo
M max	sforzo flessionale principale massimo
M min	sforzo flessionale principale minimo
N1	N2
N1-2	M1
M2	M1-2
	sforzi membranali e flessionali in direzione locale 1 e 2 dell'elemento (lo sforzo 2-1 è uguale allo sforzo 1-2 per la reciprocità delle tensioni tangenziali)

I suddetti risultati possono a scelta del progettista essere preceduti o sostituiti da valori di sollecitazione non più riferiti al sistema locale dell'elemento ma al sistema globale.

In questo caso gli elementi vengono raggruppati in gruppi (M_S: macro gusci o macro setti, raggruppati per materiale, spessore, e posizione fisica) per la valutazione dei valori mediati ai nodi appartenenti agli elementi dei gruppi stessi.

I valori di sollecitazione sono, in questo caso, riferiti ad una terna specifica del gruppo ruotata di α_v attorno all'asse Z per i gusci e ruotata di α_v attorno alla normale (che per definizione è orizzontale) al piano del setto.

Per i setti, in particolare, se α_v è zero, l'asse '1-1 rappresenta la verticale e l'asse '2-2 l'orizzontale contenuta nel setto.

Le azioni sui setti possono essere espresse anche con formato macro, cioè riferite all'intero macroelemento.

In particolare vengono riportati per ogni quota Z dei nodi e per ogni combinazione i seguenti valori:

N memb.	Azione membranale complessiva agente sulla parete in direzione Z
V memb.	Azione complessiva di taglio agente nel piano del macroelemento
V orto	Azione complessiva di taglio agente in direzione perpendicolare al macroelemento
M memb.	Azione flessionale complessiva agente nel piano del macroelemento
M orto	Azione flessionale complessiva agente in direzione perpendicolare al macroelemento
T	Azione torsionale complessiva agente nel piano orizzontale

PONTE-TUBO - RELAZIONE DI CALCOLO

COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	155 di 288

2	Setto	0.0
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M_S	Cmb	Z cm	N memb. daN	V memb. daN	V orto daN	M memb. daN cm	M orto daN cm	T daN cm
2	2	0.0	-6.987e+04	-10.59	-3124.40	-541.70	1.937e+06	1.183e+04
2	2	38.13	-6.987e+04	-10.59	-3124.40	-139.29	1.818e+06	3.704e+04
2	2	76.25	-7.595e+04	5.03e-06	-3124.40	0.08	1.699e+06	4.504e+04
2	2	114.38	-7.461e+04	0.0	-3124.40	0.17	1.580e+06	4.791e+04
2	2	152.50	-7.327e+04	0.0	-3124.40	0.17	1.461e+06	4.885e+04
2	2	190.63	-7.193e+04	0.0	-3124.40	0.17	1.342e+06	4.915e+04
2	2	228.75	-7.059e+04	0.0	-3124.40	0.17	1.222e+06	4.925e+04
2	2	266.88	-6.926e+04	0.0	-3124.40	0.17	1.103e+06	4.928e+04
2	2	305.00	-6.792e+04	0.0	-3124.40	0.17	9.842e+05	4.929e+04
2	2	343.13	-6.658e+04	0.0	-3124.40	0.17	8.651e+05	4.930e+04
2	2	381.25	-6.524e+04	0.0	-3124.40	0.16	7.460e+05	4.932e+04
2	2	419.38	-6.390e+04	0.0	-3124.40	0.17	6.268e+05	4.944e+04
2	2	457.50	-6.256e+04	-6.29e-06	-3124.40	0.18	5.077e+05	4.994e+04
2	2	495.63	-6.123e+04	0.0	-3124.40	0.17	3.886e+05	5.192e+04
2	2	533.75	-5.989e+04	3.82e-05	-3124.40	0.17	2.695e+05	5.972e+04
2	2	571.88	-5.810e+04	-1.16e-04	-3124.40	0.17	1.504e+05	6.184e+04
2	2	610.00	-4.033e+04	2.42e-03	-3124.40	0.06	3.124e+04	1.349e+04
2	3	0.0	-4.650e+04	0.0	-1988.46	0.0	1.233e+06	7552.24
2	3	38.13	-4.650e+04	0.0	-1988.46	0.0	1.157e+06	2.365e+04
2	3	76.25	-5.045e+04	0.0	-1988.46	9.14e-03	1.081e+06	2.875e+04
2	3	114.38	-4.947e+04	0.0	-1988.46	0.0	1.005e+06	3.058e+04
2	3	152.50	-4.848e+04	0.0	-1988.46	0.0	9.296e+05	3.118e+04
2	3	190.63	-4.749e+04	0.0	-1988.46	0.0	8.538e+05	3.137e+04
2	3	228.75	-4.651e+04	0.0	-1988.46	0.0	7.780e+05	3.143e+04
2	3	266.88	-4.552e+04	0.0	-1988.46	0.0	7.022e+05	3.145e+04
2	3	305.00	-4.453e+04	0.0	-1988.46	0.0	6.264e+05	3.146e+04
2	3	343.13	-4.355e+04	0.0	-1988.46	0.0	5.506e+05	3.147e+04
2	3	381.25	-4.256e+04	0.0	-1988.46	0.0	4.747e+05	3.148e+04
2	3	419.38	-4.158e+04	0.0	-1988.46	0.0	3.989e+05	3.156e+04
2	3	457.50	-4.059e+04	0.0	-1988.46	6.40e-03	3.231e+05	3.187e+04
2	3	495.63	-3.960e+04	0.0	-1988.46	0.0	2.473e+05	3.314e+04
2	3	533.75	-3.862e+04	0.0	-1988.46	0.0	1.715e+05	3.812e+04
2	3	571.88	-3.730e+04	5.14e-06	-1988.46	0.0	9.569e+04	3.947e+04
2	3	610.00	-2.576e+04	0.0	-1988.46	0.0	1.988e+04	8612.38
2	46	0.0	-5.165e+04	2.124e+04	3881.76	-7.601e+06	-2.063e+06	5.606e+05
2	46	38.13	-5.170e+04	2.124e+04	3881.76	-7.487e+06	-2.124e+06	8.959e+05
2	46	76.25	-5.615e+04	-1.483e+04	3894.13	-8.256e+06	-1.983e+06	1.226e+06
2	46	114.38	-5.513e+04	-1.472e+04	3853.23	-7.672e+06	-1.838e+06	1.390e+06
2	46	152.50	-5.412e+04	-1.455e+04	3821.46	-7.123e+06	-1.717e+06	1.422e+06
2	46	190.63	-5.310e+04	-1.435e+04	3790.76	-6.578e+06	-1.569e+06	1.428e+06
2	46	228.75	-5.208e+04	-1.410e+04	3755.22	-6.038e+06	-1.421e+06	1.431e+06
2	46	266.88	-5.107e+04	-1.378e+04	3712.50	-5.504e+06	-1.275e+06	1.431e+06
2	46	305.00	-5.005e+04	-1.487e+04	3660.99	-4.977e+06	-1.133e+06	1.431e+06
2	46	343.13	-4.904e+04	-1.429e+04	3599.51	-4.458e+06	-9.982e+05	1.431e+06
2	46	381.25	-4.802e+04	-1.439e+04	3527.12	-3.946e+06	-8.689e+05	1.431e+06
2	46	419.38	-4.699e+04	-1.438e+04	3443.26	-3.442e+06	-7.429e+05	1.431e+06
2	46	457.50	-4.592e+04	-1.390e+04	3347.50	-2.950e+06	-6.194e+05	1.437e+06
2	46	495.63	-4.487e+04	-1.335e+04	3241.23	-2.471e+06	-4.741e+05	1.468e+06
2	46	533.75	-4.363e+04	-1.284e+04	3135.13	-2.044e+06	-3.622e+05	1.702e+06
2	46	571.88	-4.527e+04	-1.259e+04	2968.68	-1.390e+06	-2.271e+05	1.839e+06
2	46	610.00	-3.586e+04	-1.167e+04	2734.08	-3.286e+05	-1.203e+05	1.182e+06
2	55	0.0	-4.946e+04	-2.480e+04	3844.36	8.868e+06	-2.039e+06	-5.261e+05
2	55	38.13	-4.942e+04	-2.480e+04	3844.36	8.735e+06	-2.089e+06	-8.149e+05
2	55	76.25	-5.371e+04	1.739e+04	3903.23	9.633e+06	-1.952e+06	-1.124e+06
2	55	114.38	-5.277e+04	1.729e+04	3854.32	8.949e+06	-1.823e+06	-1.275e+06
2	55	152.50	-5.181e+04	1.713e+04	3805.68	8.305e+06	-1.640e+06	-1.310e+06
2	55	190.63	-5.087e+04	1.693e+04	3755.06	7.664e+06	-1.504e+06	-1.314e+06
2	55	228.75	-4.992e+04	1.669e+04	3700.88	7.029e+06	-1.371e+06	-1.317e+06
2	55	266.88	-4.897e+04	1.636e+04	3643.59	6.400e+06	-1.241e+06	-1.317e+06
2	55	305.00	-4.802e+04	1.739e+04	3583.26	5.777e+06	-1.112e+06	-1.317e+06
2	55	343.13	-4.707e+04	1.678e+04	3519.69	5.162e+06	-9.837e+05	-1.316e+06
2	55	381.25	-4.612e+04	1.749e+04	3452.49	4.554e+06	-8.528e+05	-1.316e+06
2	55	419.38	-4.519e+04	1.680e+04	3380.98	3.955e+06	-7.192e+05	-1.317e+06
2	55	457.50	-4.431e+04	1.634e+04	3304.44	3.366e+06	-5.871e+05	-1.321e+06
2	55	495.63	-4.341e+04	1.621e+04	3222.82	2.791e+06	-4.758e+05	-1.348e+06
2	55	533.75	-4.270e+04	1.535e+04	3126.44	2.276e+06	-3.630e+05	-1.563e+06
2	55	571.88	-3.781e+04	1.527e+04	2965.81	1.501e+06	-2.335e+05	-1.685e+06
2	55	610.00	-2.093e+04	1.381e+04	2793.18	3.008e+05	-1.234e+05	-1.124e+06
2	84	0.0	-5.068e+04	-2871.59	-9951.89	1.026e+06	5.735e+06	-5.216e+04

PONTE-TUBO - RELAZIONE DI CALCOLO

COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	156 di 288

2	84	38.13	-5.068e+04	-2871.59	-9951.89	1.010e+06	5.614e+06	-6.806e+04
2	84	76.25	-5.508e+04	2011.99	-9995.24	1.114e+06	5.244e+06	-9.727e+04
2	84	114.38	-5.409e+04	1999.46	-9937.90	1.035e+06	4.876e+06	-1.412e+05
2	84	152.50	-5.310e+04	1980.25	-9887.81	9.604e+05	4.508e+06	-1.317e+05
2	84	190.63	-5.211e+04	1957.20	-9837.71	8.863e+05	4.134e+06	-1.253e+05
2	84	228.75	-5.112e+04	1928.53	-9782.34	8.128e+05	3.762e+06	-1.255e+05
2	84	266.88	-5.013e+04	1889.86	-9720.36	7.401e+05	3.390e+06	-1.257e+05
2	84	305.00	-4.914e+04	2014.64	-9650.78	6.681e+05	3.021e+06	-1.258e+05
2	84	343.13	-4.815e+04	1943.10	-9572.72	5.970e+05	2.655e+06	-1.259e+05
2	84	381.25	-4.716e+04	2028.77	-9485.31	5.268e+05	2.293e+06	-1.261e+05
2	84	419.38	-4.617e+04	1949.33	-9387.74	4.576e+05	1.935e+06	-1.264e+05
2	84	457.50	-4.518e+04	1895.75	-9279.05	3.897e+05	1.581e+06	-1.273e+05
2	84	495.63	-4.419e+04	1881.68	-9158.20	3.238e+05	1.231e+06	-1.305e+05
2	84	533.75	-4.329e+04	1787.56	-9025.34	2.609e+05	8.959e+05	-1.521e+05
2	84	571.88	-4.154e+04	1795.50	-8822.74	1.699e+05	5.349e+05	-1.674e+05
2	84	610.00	-2.818e+04	1612.61	-8571.02	3.034e+04	2.047e+05	-1.237e+05
2	89	0.0	-5.057e+04	8024.72	92.59	-2.874e+06	7.559e+04	2.171e+05
2	89	38.13	-5.058e+04	8024.72	92.59	-2.831e+06	-564.93	3.552e+05
2	89	76.25	-5.496e+04	-5608.59	105.27	-3.121e+06	65.19	4.836e+05
2	89	114.38	-5.397e+04	-5565.62	89.57	-2.901e+06	2613.70	5.463e+05
2	89	152.50	-5.299e+04	-5501.47	77.40	-2.693e+06	-4418.41	5.589e+05
2	89	190.63	-5.200e+04	-5425.14	65.39	-2.487e+06	-942.80	5.613e+05
2	89	228.75	-5.102e+04	-5331.87	51.08	-2.282e+06	2211.20	5.624e+05
2	89	266.88	-5.003e+04	-5211.05	33.61	-2.081e+06	4645.01	5.626e+05
2	89	305.00	-4.905e+04	-5623.66	12.45	-1.881e+06	5342.66	5.625e+05
2	89	343.13	-4.806e+04	-5403.15	-12.65	-1.685e+06	3496.43	5.624e+05
2	89	381.25	-4.707e+04	-5444.17	-41.77	-1.491e+06	-531.72	5.623e+05
2	89	419.38	-4.608e+04	-5440.34	-74.69	-1.301e+06	-5790.43	5.627e+05
2	89	457.50	-4.508e+04	-5254.87	-111.10	-1.115e+06	-1.187e+04	5.649e+05
2	89	495.63	-4.407e+04	-5046.98	-150.11	-9.338e+05	-9596.29	5.777e+05
2	89	533.75	-4.299e+04	-4853.34	-187.71	-7.724e+05	-1.988e+04	6.696e+05
2	89	571.88	-4.286e+04	-4759.93	-245.93	-5.252e+05	-2.101e+04	7.224e+05
2	89	610.00	-3.144e+04	-4412.78	-325.44	-1.240e+05	-3.267e+04	4.524e+05
2	94	0.0	-5.060e+04	-9381.53	35.21	3.353e+06	1.052e+05	-1.935e+05
2	94	38.13	-5.060e+04	-9381.53	35.21	3.303e+06	3.308e+04	-2.914e+05
2	94	76.25	-5.498e+04	6578.70	49.79	3.642e+06	3.095e+04	-4.044e+05
2	94	114.38	-5.400e+04	6537.71	31.41	3.383e+06	2.561e+04	-4.600e+05
2	94	152.50	-5.301e+04	6476.04	13.13	3.140e+06	4.108e+04	-4.728e+05
2	94	190.63	-5.203e+04	6401.95	-5.61	2.897e+06	3.843e+04	-4.743e+05
2	94	228.75	-5.104e+04	6309.70	-25.23	2.657e+06	3.504e+04	-4.752e+05
2	94	266.88	-5.006e+04	6185.05	-45.57	2.419e+06	3.065e+04	-4.753e+05
2	94	305.00	-4.907e+04	6576.76	-66.68	2.184e+06	2.559e+04	-4.752e+05
2	94	343.13	-4.809e+04	6344.22	-88.83	1.951e+06	2.051e+04	-4.751e+05
2	94	381.25	-4.710e+04	6613.04	-112.48	1.721e+06	1.643e+04	-4.749e+05
2	94	419.38	-4.613e+04	6355.46	-138.28	1.495e+06	1.332e+04	-4.751e+05
2	94	457.50	-4.517e+04	6179.98	-167.01	1.272e+06	9580.79	-4.764e+05
2	94	495.63	-4.421e+04	6129.05	-199.04	1.055e+06	-2163.89	-4.860e+05
2	94	533.75	-4.333e+04	5803.64	-237.99	8.599e+05	-1.341e+04	-5.638e+05
2	94	571.88	-4.059e+04	5773.55	-303.50	5.671e+05	-1.875e+04	-6.087e+05
2	94	610.00	-2.612e+04	5219.41	-377.98	1.135e+05	-3.156e+04	-4.187e+05
2	132	0.0	-5.443e+04	-7441.51	-8564.39	2.663e+06	4.935e+06	-1.506e+05
2	132	38.13	-5.460e+04	-7441.51	-8564.39	2.623e+06	4.822e+06	-2.239e+05
2	132	76.25	-5.925e+04	5248.17	-8667.00	2.892e+06	4.504e+06	-3.109e+05
2	132	114.38	-5.814e+04	5208.05	-8620.49	2.685e+06	4.186e+06	-3.696e+05
2	132	152.50	-5.705e+04	5152.73	-8581.03	2.491e+06	3.879e+06	-3.701e+05
2	132	190.63	-5.595e+04	5094.28	-8539.53	2.297e+06	3.558e+06	-3.672e+05
2	132	228.75	-5.484e+04	5022.92	-8489.37	2.106e+06	3.238e+06	-3.678e+05
2	132	266.88	-5.374e+04	4924.41	-8429.33	1.916e+06	2.919e+06	-3.679e+05
2	132	305.00	-5.264e+04	5240.91	-8359.32	1.729e+06	2.603e+06	-3.679e+05
2	132	343.13	-5.154e+04	5055.72	-8280.27	1.544e+06	2.290e+06	-3.686e+05
2	132	381.25	-5.045e+04	5274.68	-8194.18	1.361e+06	1.981e+06	-3.685e+05
2	132	419.38	-4.936e+04	5068.00	-8104.30	1.182e+06	1.676e+06	-3.687e+05
2	132	457.50	-4.831e+04	4919.60	-8014.44	1.005e+06	1.375e+06	-3.700e+05
2	132	495.63	-4.728e+04	4872.84	-7926.83	8.333e+05	1.072e+06	-3.800e+05
2	132	533.75	-4.642e+04	4619.73	-7843.01	6.760e+05	7.821e+05	-4.415e+05
2	132	571.88	-4.335e+04	4624.40	-7726.35	4.428e+05	4.680e+05	-4.800e+05
2	132	610.00	-2.817e+04	4149.97	-7607.35	8.429e+04	1.773e+05	-3.297e+05
2	133	0.0	-4.650e+04	0.0	-1988.46	0.0	1.233e+06	7552.24
2	133	38.13	-4.650e+04	0.0	-1988.46	0.0	1.157e+06	2.365e+04
2	133	76.25	-5.045e+04	0.0	-1988.46	9.14e-03	1.081e+06	2.875e+04
2	133	114.38	-4.947e+04	0.0	-1988.46	0.0	1.005e+06	3.058e+04
2	133	152.50	-4.848e+04	0.0	-1988.46	0.0	9.296e+05	3.118e+04
2	133	190.63	-4.749e+04	0.0	-1988.46	0.0	8.538e+05	3.137e+04
2	133	228.75	-4.651e+04	0.0	-1988.46	0.0	7.780e+05	3.143e+04
2	133	266.88	-4.552e+04	0.0	-1988.46	0.0	7.022e+05	3.145e+04
2	133	305.00	-4.453e+04	0.0	-1988.46	0.0	6.264e+05	3.146e+04
2	133	343.13	-4.355e+04	0.0	-1988.46	0.0	5.506e+05	3.147e+04

PONTE-TUBO - RELAZIONE DI CALCOLO

COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	157 di 288

2	133	381.25	-4.256e+04	0.0	-1988.46	0.0	4.747e+05	3.148e+04
2	133	419.38	-4.158e+04	0.0	-1988.46	0.0	3.989e+05	3.156e+04
2	133	457.50	-4.059e+04	0.0	-1988.46	6.40e-03	3.231e+05	3.187e+04
2	133	495.63	-3.960e+04	0.0	-1988.46	0.0	2.473e+05	3.314e+04
2	133	533.75	-3.862e+04	0.0	-1988.46	0.0	1.715e+05	3.812e+04
2	133	571.88	-3.730e+04	5.14e-06	-1988.46	0.0	9.569e+04	3.947e+04
2	133	610.00	-2.576e+04	0.0	-1988.46	0.0	1.988e+04	8612.38
2	134	0.0	-5.061e+04	-6.28	-2246.71	-321.01	1.393e+06	8511.88
2	134	38.13	-5.061e+04	-6.28	-2246.71	-82.54	1.307e+06	2.665e+04
2	134	76.25	-5.499e+04	2.98e-06	-2246.71	0.05	1.222e+06	3.240e+04
2	134	114.38	-5.401e+04	0.0	-2246.71	0.10	1.136e+06	3.447e+04
2	134	152.50	-5.302e+04	0.0	-2246.71	0.10	1.050e+06	3.514e+04
2	134	190.63	-5.203e+04	0.0	-2246.71	0.10	9.647e+05	3.536e+04
2	134	228.75	-5.105e+04	0.0	-2246.71	0.10	8.790e+05	3.543e+04
2	134	266.88	-5.006e+04	0.0	-2246.71	0.10	7.934e+05	3.545e+04
2	134	305.00	-4.907e+04	0.0	-2246.71	0.10	7.077e+05	3.546e+04
2	134	343.13	-4.809e+04	0.0	-2246.71	0.10	6.221e+05	3.546e+04
2	134	381.25	-4.710e+04	0.0	-2246.71	0.10	5.364e+05	3.549e+04
2	134	419.38	-4.611e+04	0.0	-2246.71	0.10	4.507e+05	3.557e+04
2	134	457.50	-4.513e+04	-3.73e-06	-2246.71	0.11	3.651e+05	3.592e+04
2	134	495.63	-4.414e+04	0.0	-2246.71	0.10	2.794e+05	3.735e+04
2	134	533.75	-4.315e+04	2.26e-05	-2246.71	0.10	1.938e+05	4.297e+04
2	134	571.88	-4.184e+04	-6.80e-05	-2246.71	0.10	1.081e+05	4.449e+04
2	134	610.00	-2.902e+04	1.43e-03	-2246.71	0.03	2.247e+04	9706.72
2	135	0.0	-4.650e+04	0.0	-1988.46	0.0	1.233e+06	7552.24
2	135	38.13	-4.650e+04	0.0	-1988.46	0.0	1.157e+06	2.365e+04
2	135	76.25	-5.045e+04	0.0	-1988.46	9.14e-03	1.081e+06	2.875e+04
2	135	114.38	-4.947e+04	0.0	-1988.46	0.0	1.005e+06	3.058e+04
2	135	152.50	-4.848e+04	0.0	-1988.46	0.0	9.296e+05	3.118e+04
2	135	190.63	-4.749e+04	0.0	-1988.46	0.0	8.538e+05	3.137e+04
2	135	228.75	-4.651e+04	0.0	-1988.46	0.0	7.780e+05	3.143e+04
2	135	266.88	-4.552e+04	0.0	-1988.46	0.0	7.022e+05	3.145e+04
2	135	305.00	-4.453e+04	0.0	-1988.46	0.0	6.264e+05	3.146e+04
2	135	343.13	-4.355e+04	0.0	-1988.46	0.0	5.506e+05	3.147e+04
2	135	381.25	-4.256e+04	0.0	-1988.46	0.0	4.747e+05	3.148e+04
2	135	419.38	-4.158e+04	0.0	-1988.46	0.0	3.989e+05	3.156e+04
2	135	457.50	-4.059e+04	0.0	-1988.46	6.40e-03	3.231e+05	3.187e+04
2	135	495.63	-3.960e+04	0.0	-1988.46	0.0	2.473e+05	3.314e+04
2	135	533.75	-3.862e+04	0.0	-1988.46	0.0	1.715e+05	3.812e+04
2	135	571.88	-3.730e+04	5.14e-06	-1988.46	0.0	9.569e+04	3.947e+04
2	135	610.00	-2.576e+04	0.0	-1988.46	0.0	1.988e+04	8612.38
2	136	0.0	-5.163e+04	-7.85	-2311.27	-401.26	1.433e+06	8751.79
2	136	38.13	-5.163e+04	-7.85	-2311.27	-103.18	1.345e+06	2.740e+04
2	136	76.25	-5.613e+04	3.73e-06	-2311.27	0.06	1.257e+06	3.332e+04
2	136	114.38	-5.514e+04	0.0	-2311.27	0.13	1.169e+06	3.544e+04
2	136	152.50	-5.415e+04	0.0	-2311.27	0.13	1.081e+06	3.613e+04
2	136	190.63	-5.317e+04	0.0	-2311.27	0.12	9.924e+05	3.636e+04
2	136	228.75	-5.218e+04	0.0	-2311.27	0.12	9.043e+05	3.643e+04
2	136	266.88	-5.119e+04	0.0	-2311.27	0.12	8.162e+05	3.645e+04
2	136	305.00	-5.021e+04	0.0	-2311.27	0.12	7.280e+05	3.646e+04
2	136	343.13	-4.922e+04	0.0	-2311.27	0.13	6.399e+05	3.646e+04
2	136	381.25	-4.823e+04	0.0	-2311.27	0.12	5.518e+05	3.649e+04
2	136	419.38	-4.725e+04	0.0	-2311.27	0.12	4.637e+05	3.657e+04
2	136	457.50	-4.626e+04	-4.66e-06	-2311.27	0.13	3.756e+05	3.694e+04
2	136	495.63	-4.528e+04	0.0	-2311.27	0.12	2.875e+05	3.840e+04
2	136	533.75	-4.429e+04	2.83e-05	-2311.27	0.13	1.993e+05	4.418e+04
2	136	571.88	-4.297e+04	-8.63e-05	-2311.27	0.12	1.112e+05	4.574e+04
2	136	610.00	-2.983e+04	1.79e-03	-2311.27	0.04	2.311e+04	9980.31
2	137	0.0	-4.650e+04	0.0	-1988.46	0.0	1.233e+06	7552.24
2	137	38.13	-4.650e+04	0.0	-1988.46	0.0	1.157e+06	2.365e+04
2	137	76.25	-5.045e+04	0.0	-1988.46	9.14e-03	1.081e+06	2.875e+04
2	137	114.38	-4.947e+04	0.0	-1988.46	0.0	1.005e+06	3.058e+04
2	137	152.50	-4.848e+04	0.0	-1988.46	0.0	9.296e+05	3.118e+04
2	137	190.63	-4.749e+04	0.0	-1988.46	0.0	8.538e+05	3.137e+04
2	137	228.75	-4.651e+04	0.0	-1988.46	0.0	7.780e+05	3.143e+04
2	137	266.88	-4.552e+04	0.0	-1988.46	0.0	7.022e+05	3.145e+04
2	137	305.00	-4.453e+04	0.0	-1988.46	0.0	6.264e+05	3.146e+04
2	137	343.13	-4.355e+04	0.0	-1988.46	0.0	5.506e+05	3.147e+04
2	137	381.25	-4.256e+04	0.0	-1988.46	0.0	4.747e+05	3.148e+04
2	137	419.38	-4.158e+04	0.0	-1988.46	0.0	3.989e+05	3.156e+04
2	137	457.50	-4.059e+04	0.0	-1988.46	6.40e-03	3.231e+05	3.187e+04
2	137	495.63	-3.960e+04	0.0	-1988.46	0.0	2.473e+05	3.314e+04
2	137	533.75	-3.862e+04	0.0	-1988.46	0.0	1.715e+05	3.812e+04
2	137	571.88	-3.730e+04	5.14e-06	-1988.46	0.0	9.569e+04	3.947e+04
2	137	610.00	-2.576e+04	0.0	-1988.46	0.0	1.988e+04	8612.38
2	138	0.0	-5.112e+04	-7.06	-2278.99	-361.14	1.413e+06	8631.83
2	138	38.13	-5.112e+04	-7.06	-2278.99	-92.86	1.326e+06	2.703e+04

PONTE-TUBO - RELAZIONE DI CALCOLO

COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	158 di 288

2	138	76.25	-5.556e+04	3.35e-06	-2278.99	0.05	1.239e+06	3.286e+04
2	138	114.38	-5.457e+04	0.0	-2278.99	0.11	1.152e+06	3.495e+04
2	138	152.50	-5.359e+04	0.0	-2278.99	0.11	1.065e+06	3.564e+04
2	138	190.63	-5.260e+04	0.0	-2278.99	0.11	9.785e+05	3.586e+04
2	138	228.75	-5.161e+04	0.0	-2278.99	0.11	8.917e+05	3.593e+04
2	138	266.88	-5.063e+04	0.0	-2278.99	0.11	8.048e+05	3.595e+04
2	138	305.00	-4.964e+04	0.0	-2278.99	0.11	7.179e+05	3.596e+04
2	138	343.13	-4.865e+04	0.0	-2278.99	0.11	6.310e+05	3.596e+04
2	138	381.25	-4.767e+04	0.0	-2278.99	0.11	5.441e+05	3.599e+04
2	138	419.38	-4.668e+04	0.0	-2278.99	0.11	4.572e+05	3.607e+04
2	138	457.50	-4.569e+04	-4.19e-06	-2278.99	0.12	3.703e+05	3.643e+04
2	138	495.63	-4.471e+04	0.0	-2278.99	0.11	2.834e+05	3.788e+04
2	138	533.75	-4.372e+04	2.55e-05	-2278.99	0.12	1.966e+05	4.357e+04
2	138	571.88	-4.241e+04	-7.72e-05	-2278.99	0.11	1.097e+05	4.512e+04
2	138	610.00	-2.942e+04	1.61e-03	-2278.99	0.04	2.279e+04	9843.52
2	139	0.0	-4.650e+04	0.0	-1988.46	0.0	1.233e+06	7552.24
2	139	38.13	-4.650e+04	0.0	-1988.46	0.0	1.157e+06	2.365e+04
2	139	76.25	-5.045e+04	0.0	-1988.46	9.14e-03	1.081e+06	2.875e+04
2	139	114.38	-4.947e+04	0.0	-1988.46	0.0	1.005e+06	3.058e+04
2	139	152.50	-4.848e+04	0.0	-1988.46	0.0	9.296e+05	3.118e+04
2	139	190.63	-4.749e+04	0.0	-1988.46	0.0	8.538e+05	3.137e+04
2	139	228.75	-4.651e+04	0.0	-1988.46	0.0	7.780e+05	3.143e+04
2	139	266.88	-4.552e+04	0.0	-1988.46	0.0	7.022e+05	3.145e+04
2	139	305.00	-4.453e+04	0.0	-1988.46	0.0	6.264e+05	3.146e+04
2	139	343.13	-4.355e+04	0.0	-1988.46	0.0	5.506e+05	3.147e+04
2	139	381.25	-4.256e+04	0.0	-1988.46	0.0	4.747e+05	3.148e+04
2	139	419.38	-4.158e+04	0.0	-1988.46	0.0	3.989e+05	3.156e+04
2	139	457.50	-4.059e+04	0.0	-1988.46	6.40e-03	3.231e+05	3.187e+04
2	139	495.63	-3.960e+04	0.0	-1988.46	0.0	2.473e+05	3.314e+04
2	139	533.75	-3.862e+04	0.0	-1988.46	0.0	1.715e+05	3.812e+04
2	139	571.88	-3.730e+04	5.14e-06	-1988.46	0.0	9.569e+04	3.947e+04
2	139	610.00	-2.576e+04	0.0	-1988.46	0.0	1.988e+04	8612.38
2	140	0.0	-5.061e+04	-6.28	-2246.71	-321.01	1.393e+06	8511.88
2	140	38.13	-5.061e+04	-6.28	-2246.71	-82.54	1.307e+06	2.665e+04
2	140	76.25	-5.499e+04	2.98e-06	-2246.71	0.05	1.222e+06	3.240e+04
2	140	114.38	-5.401e+04	0.0	-2246.71	0.10	1.136e+06	3.447e+04
2	140	152.50	-5.302e+04	0.0	-2246.71	0.10	1.050e+06	3.514e+04
2	140	190.63	-5.203e+04	0.0	-2246.71	0.10	9.647e+05	3.536e+04
2	140	228.75	-5.105e+04	0.0	-2246.71	0.10	8.790e+05	3.543e+04
2	140	266.88	-5.006e+04	0.0	-2246.71	0.10	7.934e+05	3.545e+04
2	140	305.00	-4.907e+04	0.0	-2246.71	0.10	7.077e+05	3.546e+04
2	140	343.13	-4.809e+04	0.0	-2246.71	0.10	6.221e+05	3.546e+04
2	140	381.25	-4.710e+04	0.0	-2246.71	0.10	5.364e+05	3.549e+04
2	140	419.38	-4.611e+04	0.0	-2246.71	0.10	4.507e+05	3.557e+04
2	140	457.50	-4.513e+04	-3.73e-06	-2246.71	0.11	3.651e+05	3.592e+04
2	140	495.63	-4.414e+04	0.0	-2246.71	0.10	2.794e+05	3.735e+04
2	140	533.75	-4.315e+04	2.26e-05	-2246.71	0.10	1.938e+05	4.297e+04
2	140	571.88	-4.184e+04	-6.80e-05	-2246.71	0.10	1.081e+05	4.449e+04
2	140	610.00	-2.902e+04	1.43e-03	-2246.71	0.03	2.247e+04	9706.72

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-7.595e+04	-2.480e+04	-9995.24	-8.256e+06	-2.124e+06	-1.685e+06
	-2.093e+04	2.124e+04	3903.23	9.633e+06	5.735e+06	1.839e+06

Macro	Tipo	Angolo 1-Z (gradi)
4	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
4	2	0.0	-6.987e+04	-10.59	3124.40	-541.70	-1.937e+06	-1.183e+04
4	2	38.13	-6.987e+04	-10.59	3124.40	-139.29	-1.818e+06	-3.704e+04
4	2	76.25	-7.595e+04	5.03e-06	3124.40	0.08	-1.699e+06	-4.504e+04
4	2	114.38	-7.461e+04	0.0	3124.40	0.17	-1.580e+06	-4.791e+04
4	2	152.50	-7.327e+04	0.0	3124.40	0.17	-1.461e+06	-4.885e+04
4	2	190.63	-7.193e+04	0.0	3124.40	0.17	-1.342e+06	-4.915e+04
4	2	228.75	-7.059e+04	0.0	3124.40	0.17	-1.222e+06	-4.925e+04
4	2	266.88	-6.926e+04	0.0	3124.40	0.17	-1.103e+06	-4.928e+04
4	2	305.00	-6.792e+04	0.0	3124.40	0.17	-9.842e+05	-4.929e+04
4	2	343.13	-6.658e+04	0.0	3124.40	0.17	-8.651e+05	-4.930e+04
4	2	381.25	-6.524e+04	0.0	3124.40	0.16	-7.460e+05	-4.932e+04
4	2	419.38	-6.390e+04	0.0	3124.40	0.17	-6.268e+05	-4.944e+04
4	2	457.50	-6.256e+04	-6.29e-06	3124.40	0.18	-5.077e+05	-4.994e+04

PONTE-TUBO - RELAZIONE DI CALCOLO

COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	159 di 288

4	2	495.63	-6.123e+04	0.0	3124.40	0.17	-3.886e+05	-5.192e+04
4	2	533.75	-5.989e+04	3.82e-05	3124.40	0.17	-2.695e+05	-5.972e+04
4	2	571.88	-5.810e+04	-1.17e-04	3124.40	0.17	-1.504e+05	-6.184e+04
4	2	610.00	-4.033e+04	2.42e-03	3124.40	0.06	-3.124e+04	-1.349e+04
4	3	0.0	-4.650e+04	0.0	1988.46	0.0	-1.233e+06	-7552.24
4	3	38.13	-4.650e+04	0.0	1988.46	0.0	-1.157e+06	-2.365e+04
4	3	76.25	-5.045e+04	0.0	1988.46	9.14e-03	-1.081e+06	-2.875e+04
4	3	114.38	-4.947e+04	0.0	1988.46	0.0	-1.005e+06	-3.058e+04
4	3	152.50	-4.848e+04	0.0	1988.46	0.0	-9.296e+05	-3.118e+04
4	3	190.63	-4.749e+04	0.0	1988.46	0.0	-8.538e+05	-3.137e+04
4	3	228.75	-4.651e+04	0.0	1988.46	0.0	-7.780e+05	-3.143e+04
4	3	266.88	-4.552e+04	0.0	1988.46	0.0	-7.022e+05	-3.145e+04
4	3	305.00	-4.453e+04	0.0	1988.46	0.0	-6.264e+05	-3.146e+04
4	3	343.13	-4.355e+04	0.0	1988.46	0.0	-5.506e+05	-3.147e+04
4	3	381.25	-4.256e+04	0.0	1988.46	0.0	-4.747e+05	-3.148e+04
4	3	419.38	-4.158e+04	0.0	1988.46	0.0	-3.989e+05	-3.156e+04
4	3	457.50	-4.059e+04	0.0	1988.46	6.40e-03	-3.231e+05	-3.187e+04
4	3	495.63	-3.960e+04	0.0	1988.46	0.0	-2.473e+05	-3.314e+04
4	3	533.75	-3.862e+04	0.0	1988.46	0.0	-1.715e+05	-3.812e+04
4	3	571.88	-3.730e+04	5.14e-06	1988.46	0.0	-9.569e+04	-3.947e+04
4	3	610.00	-2.576e+04	0.0	1988.46	0.0	-1.988e+04	-8612.38
4	43	0.0	-4.946e+04	-2.480e+04	-3844.36	8.868e+06	2.039e+06	5.261e+05
4	43	38.13	-4.942e+04	-2.480e+04	-3844.36	8.735e+06	2.089e+06	8.149e+05
4	43	76.25	-5.371e+04	1.739e+04	-3903.23	9.633e+06	1.952e+06	1.124e+06
4	43	114.38	-5.277e+04	1.729e+04	-3854.32	8.949e+06	1.823e+06	1.275e+06
4	43	152.50	-5.181e+04	1.713e+04	-3805.68	8.305e+06	1.640e+06	1.310e+06
4	43	190.63	-5.087e+04	1.693e+04	-3755.06	7.664e+06	1.504e+06	1.314e+06
4	43	228.75	-4.992e+04	1.669e+04	-3700.88	7.029e+06	1.371e+06	1.317e+06
4	43	266.88	-4.897e+04	1.636e+04	-3643.59	6.400e+06	1.241e+06	1.317e+06
4	43	305.00	-4.802e+04	1.739e+04	-3583.26	5.777e+06	1.112e+06	1.317e+06
4	43	343.13	-4.707e+04	1.678e+04	-3519.69	5.162e+06	9.837e+05	1.316e+06
4	43	381.25	-4.612e+04	1.749e+04	-3452.49	4.554e+06	8.528e+05	1.316e+06
4	43	419.38	-4.519e+04	1.680e+04	-3380.98	3.955e+06	7.192e+05	1.317e+06
4	43	457.50	-4.431e+04	1.634e+04	-3304.44	3.366e+06	5.871e+05	1.321e+06
4	43	495.63	-4.341e+04	1.621e+04	-3222.82	2.791e+06	4.758e+05	1.348e+06
4	43	533.75	-4.270e+04	1.535e+04	-3126.44	2.276e+06	3.630e+05	1.563e+06
4	43	571.88	-3.781e+04	1.527e+04	-2965.81	1.501e+06	2.335e+05	1.685e+06
4	43	610.00	-2.093e+04	1.381e+04	-2793.18	3.008e+05	1.234e+05	1.124e+06
4	66	0.0	-5.165e+04	2.124e+04	-3881.76	-7.601e+06	2.063e+06	-5.606e+05
4	66	38.13	-5.170e+04	2.124e+04	-3881.76	-7.487e+06	2.124e+06	-8.959e+05
4	66	76.25	-5.615e+04	-1.483e+04	-3894.13	-8.256e+06	1.983e+06	-1.226e+06
4	66	114.38	-5.513e+04	-1.472e+04	-3853.23	-7.672e+06	1.838e+06	-1.390e+06
4	66	152.50	-5.412e+04	-1.455e+04	-3821.46	-7.123e+06	1.717e+06	-1.422e+06
4	66	190.63	-5.310e+04	-1.435e+04	-3790.76	-6.578e+06	1.569e+06	-1.428e+06
4	66	228.75	-5.208e+04	-1.410e+04	-3755.22	-6.038e+06	1.421e+06	-1.431e+06
4	66	266.88	-5.107e+04	-1.378e+04	-3712.50	-5.504e+06	1.275e+06	-1.431e+06
4	66	305.00	-5.005e+04	-1.487e+04	-3660.99	-4.977e+06	1.133e+06	-1.431e+06
4	66	343.13	-4.904e+04	-1.429e+04	-3599.51	-4.458e+06	9.982e+05	-1.431e+06
4	66	381.25	-4.802e+04	-1.439e+04	-3527.12	-3.946e+06	8.689e+05	-1.431e+06
4	66	419.38	-4.699e+04	-1.438e+04	-3443.26	-3.442e+06	7.429e+05	-1.431e+06
4	66	457.50	-4.592e+04	-1.390e+04	-3347.50	-2.950e+06	6.194e+05	-1.437e+06
4	66	495.63	-4.487e+04	-1.335e+04	-3241.23	-2.471e+06	4.741e+05	-1.468e+06
4	66	533.75	-4.363e+04	-1.284e+04	-3135.13	-2.044e+06	3.622e+05	-1.702e+06
4	66	571.88	-4.527e+04	-1.259e+04	-2968.68	-1.390e+06	2.271e+05	-1.839e+06
4	66	610.00	-3.586e+04	-1.167e+04	-2734.08	-3.286e+05	1.203e+05	-1.182e+06
4	78	0.0	-5.068e+04	-2871.59	9951.89	1.026e+06	-5.735e+06	5.216e+04
4	78	38.13	-5.068e+04	-2871.59	9951.89	1.010e+06	-5.614e+06	6.806e+04
4	78	76.25	-5.508e+04	2011.99	9995.24	1.114e+06	-5.244e+06	9.727e+04
4	78	114.38	-5.409e+04	1999.46	9937.90	1.035e+06	-4.876e+06	1.412e+05
4	78	152.50	-5.310e+04	1980.25	9887.81	9.604e+05	-4.508e+06	1.317e+05
4	78	190.63	-5.211e+04	1957.20	9837.71	8.863e+05	-4.134e+06	1.253e+05
4	78	228.75	-5.112e+04	1928.53	9782.34	8.128e+05	-3.762e+06	1.255e+05
4	78	266.88	-5.013e+04	1889.86	9720.36	7.401e+05	-3.390e+06	1.257e+05
4	78	305.00	-4.914e+04	2014.64	9650.78	6.681e+05	-3.021e+06	1.258e+05
4	78	343.13	-4.815e+04	1943.10	9572.72	5.970e+05	-2.655e+06	1.259e+05
4	78	381.25	-4.716e+04	2028.77	9485.31	5.268e+05	-2.293e+06	1.261e+05
4	78	419.38	-4.617e+04	1949.33	9387.74	4.576e+05	-1.935e+06	1.264e+05
4	78	457.50	-4.518e+04	1895.75	9279.05	3.897e+05	-1.581e+06	1.273e+05
4	78	495.63	-4.419e+04	1881.68	9158.20	3.238e+05	-1.231e+06	1.305e+05
4	78	533.75	-4.329e+04	1787.56	9025.34	2.609e+05	-8.959e+05	1.521e+05
4	78	571.88	-4.154e+04	1795.50	8822.74	1.699e+05	-5.349e+05	1.674e+05
4	78	610.00	-2.818e+04	1612.61	8571.02	3.034e+04	-2.047e+05	1.237e+05
4	88	0.0	-5.060e+04	-9381.53	-35.21	3.353e+06	-1.052e+05	1.935e+05
4	88	38.13	-5.060e+04	-9381.53	-35.21	3.303e+06	-3.308e+04	2.914e+05
4	88	76.25	-5.498e+04	6578.70	-49.79	3.642e+06	-3.095e+04	4.044e+05
4	88	114.38	-5.400e+04	6537.71	-31.41	3.383e+06	-2.561e+04	4.600e+05
4	88	152.50	-5.301e+04	6476.04	-13.13	3.140e+06	-4.108e+04	4.728e+05

PONTE-TUBO - RELAZIONE DI CALCOLO

COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	160 di 288

4	88	190.63	-5.203e+04	6401.95	5.61	2.897e+06	-3.843e+04	4.743e+05
4	88	228.75	-5.104e+04	6309.70	25.23	2.657e+06	-3.504e+04	4.752e+05
4	88	266.88	-5.006e+04	6185.05	45.57	2.419e+06	-3.065e+04	4.753e+05
4	88	305.00	-4.907e+04	6576.76	66.68	2.184e+06	-2.559e+04	4.752e+05
4	88	343.13	-4.809e+04	6344.22	88.83	1.951e+06	-2.051e+04	4.751e+05
4	88	381.25	-4.710e+04	6613.04	112.48	1.721e+06	-1.643e+04	4.749e+05
4	88	419.38	-4.613e+04	6355.46	138.28	1.495e+06	-1.332e+04	4.751e+05
4	88	457.50	-4.517e+04	6179.98	167.01	1.272e+06	-9580.79	4.764e+05
4	88	495.63	-4.421e+04	6129.05	199.04	1.055e+06	2163.89	4.860e+05
4	88	533.75	-4.333e+04	5803.64	237.99	8.599e+05	1.341e+04	5.638e+05
4	88	571.88	-4.059e+04	5773.55	303.50	5.671e+05	1.875e+04	6.087e+05
4	88	610.00	-2.612e+04	5219.41	377.98	1.135e+05	3.156e+04	4.187e+05
4	99	0.0	-5.057e+04	8024.72	-92.59	-2.874e+06	-7.559e+04	-2.171e+05
4	99	38.13	-5.058e+04	8024.72	-92.59	-2.831e+06	564.93	-3.552e+05
4	99	76.25	-5.496e+04	-5608.59	-105.27	-3.121e+06	-65.19	-4.836e+05
4	99	114.38	-5.397e+04	-5565.62	-89.57	-2.901e+06	-2613.70	-5.463e+05
4	99	152.50	-5.299e+04	-5501.47	-77.40	-2.693e+06	4418.41	-5.589e+05
4	99	190.63	-5.200e+04	-5425.14	-65.39	-2.487e+06	942.80	-5.613e+05
4	99	228.75	-5.102e+04	-5331.87	-51.08	-2.282e+06	-2211.20	-5.624e+05
4	99	266.88	-5.003e+04	-5211.05	-33.61	-2.081e+06	-4645.01	-5.626e+05
4	99	305.00	-4.905e+04	-5623.66	-12.45	-1.881e+06	-5342.66	-5.625e+05
4	99	343.13	-4.806e+04	-5403.15	12.65	-1.685e+06	-3496.43	-5.624e+05
4	99	381.25	-4.707e+04	-5444.17	41.77	-1.491e+06	531.72	-5.623e+05
4	99	419.38	-4.608e+04	-5440.34	74.69	-1.301e+06	5790.43	-5.627e+05
4	99	457.50	-4.508e+04	-5254.87	111.10	-1.115e+06	1.187e+04	-5.649e+05
4	99	495.63	-4.407e+04	-5046.98	150.11	-9.338e+05	9596.29	-5.777e+05
4	99	533.75	-4.299e+04	-4853.34	187.71	-7.724e+05	1.988e+04	-6.696e+05
4	99	571.88	-4.286e+04	-4759.93	245.93	-5.252e+05	2.101e+04	-7.224e+05
4	99	610.00	-3.144e+04	-4412.78	325.44	-1.240e+05	3.267e+04	-4.524e+05
4	120	0.0	-5.443e+04	-7441.51	8564.39	2.663e+06	-4.935e+06	1.506e+05
4	120	38.13	-5.460e+04	-7441.51	8564.39	2.623e+06	-4.822e+06	2.239e+05
4	120	76.25	-5.925e+04	5248.17	8667.00	2.892e+06	-4.504e+06	3.109e+05
4	120	114.38	-5.814e+04	5208.05	8620.49	2.685e+06	-4.186e+06	3.696e+05
4	120	152.50	-5.705e+04	5152.73	8581.03	2.491e+06	-3.879e+06	3.701e+05
4	120	190.63	-5.595e+04	5094.28	8539.53	2.297e+06	-3.558e+06	3.672e+05
4	120	228.75	-5.484e+04	5022.92	8489.37	2.106e+06	-3.238e+06	3.678e+05
4	120	266.88	-5.374e+04	4924.41	8429.33	1.916e+06	-2.919e+06	3.679e+05
4	120	305.00	-5.264e+04	5240.91	8359.32	1.729e+06	-2.603e+06	3.679e+05
4	120	343.13	-5.154e+04	5055.72	8280.27	1.544e+06	-2.290e+06	3.686e+05
4	120	381.25	-5.045e+04	5274.68	8194.18	1.361e+06	-1.981e+06	3.685e+05
4	120	419.38	-4.936e+04	5068.00	8104.30	1.182e+06	-1.676e+06	3.687e+05
4	120	457.50	-4.831e+04	4919.60	8014.44	1.005e+06	-1.375e+06	3.700e+05
4	120	495.63	-4.728e+04	4872.84	7926.83	8.333e+05	-1.072e+06	3.800e+05
4	120	533.75	-4.642e+04	4619.73	7843.01	6.760e+05	-7.821e+05	4.415e+05
4	120	571.88	-4.335e+04	4624.40	7726.35	4.428e+05	-4.680e+05	4.800e+05
4	120	610.00	-2.817e+04	4149.97	7607.35	8.429e+04	-1.773e+05	3.297e+05
4	133	0.0	-4.650e+04	0.0	1988.46	0.0	-1.233e+06	-7552.24
4	133	38.13	-4.650e+04	0.0	1988.46	0.0	-1.157e+06	-2.365e+04
4	133	76.25	-5.045e+04	0.0	1988.46	9.14e-03	-1.081e+06	-2.875e+04
4	133	114.38	-4.947e+04	0.0	1988.46	0.0	-1.005e+06	-3.058e+04
4	133	152.50	-4.848e+04	0.0	1988.46	0.0	-9.296e+05	-3.118e+04
4	133	190.63	-4.749e+04	0.0	1988.46	0.0	-8.538e+05	-3.137e+04
4	133	228.75	-4.651e+04	0.0	1988.46	0.0	-7.780e+05	-3.143e+04
4	133	266.88	-4.552e+04	0.0	1988.46	0.0	-7.022e+05	-3.145e+04
4	133	305.00	-4.453e+04	0.0	1988.46	0.0	-6.264e+05	-3.146e+04
4	133	343.13	-4.355e+04	0.0	1988.46	0.0	-5.506e+05	-3.147e+04
4	133	381.25	-4.256e+04	0.0	1988.46	0.0	-4.747e+05	-3.148e+04
4	133	419.38	-4.158e+04	0.0	1988.46	0.0	-3.989e+05	-3.156e+04
4	133	457.50	-4.059e+04	0.0	1988.46	6.40e-03	-3.231e+05	-3.187e+04
4	133	495.63	-3.960e+04	0.0	1988.46	0.0	-2.473e+05	-3.314e+04
4	133	533.75	-3.862e+04	0.0	1988.46	0.0	-1.715e+05	-3.812e+04
4	133	571.88	-3.730e+04	5.14e-06	1988.46	0.0	-9.569e+04	-3.947e+04
4	133	610.00	-2.576e+04	0.0	1988.46	0.0	-1.988e+04	-8612.38
4	134	0.0	-5.061e+04	-6.28	2246.71	-321.01	-1.393e+06	-8511.88
4	134	38.13	-5.061e+04	-6.28	2246.71	-82.54	-1.307e+06	-2.665e+04
4	134	76.25	-5.499e+04	2.98e-06	2246.71	0.05	-1.222e+06	-3.240e+04
4	134	114.38	-5.401e+04	0.0	2246.71	0.10	-1.136e+06	-3.447e+04
4	134	152.50	-5.302e+04	0.0	2246.71	0.10	-1.050e+06	-3.514e+04
4	134	190.63	-5.203e+04	0.0	2246.71	0.10	-9.647e+05	-3.536e+04
4	134	228.75	-5.105e+04	0.0	2246.71	0.10	-8.790e+05	-3.543e+04
4	134	266.88	-5.006e+04	0.0	2246.71	0.10	-7.934e+05	-3.545e+04
4	134	305.00	-4.907e+04	0.0	2246.71	0.10	-7.077e+05	-3.546e+04
4	134	343.13	-4.809e+04	0.0	2246.71	0.10	-6.221e+05	-3.546e+04
4	134	381.25	-4.710e+04	0.0	2246.71	0.10	-5.364e+05	-3.549e+04
4	134	419.38	-4.611e+04	0.0	2246.71	0.10	-4.507e+05	-3.557e+04
4	134	457.50	-4.513e+04	-3.73e-06	2246.71	0.11	-3.651e+05	-3.592e+04
4	134	495.63	-4.414e+04	0.0	2246.71	0.10	-2.794e+05	-3.735e+04

PONTE-TUBO - RELAZIONE DI CALCOLO

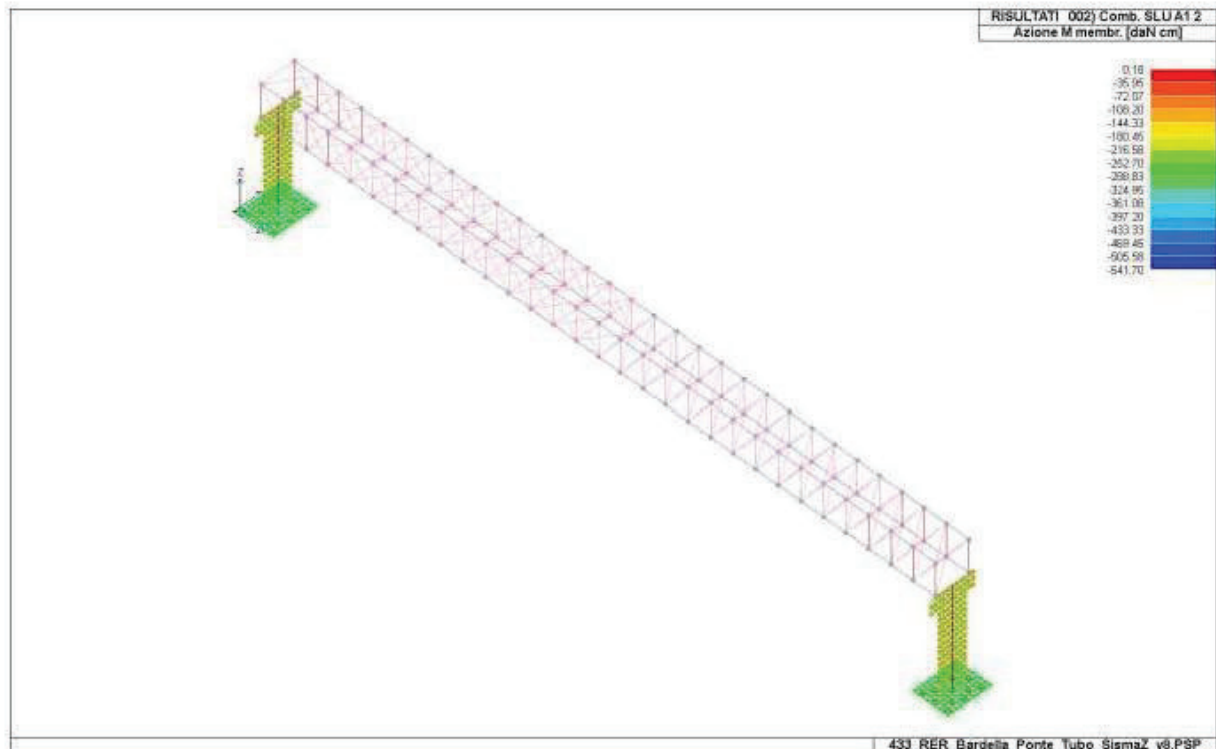
COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	161 di 288

4	134	533.75	-4.315e+04	2.26e-05	2246.71	0.10	-1.938e+05	-4.297e+04
4	134	571.88	-4.184e+04	-6.82e-05	2246.71	0.10	-1.081e+05	-4.449e+04
4	134	610.00	-2.902e+04	1.43e-03	2246.71	0.03	-2.247e+04	-9706.72
4	135	0.0	-4.650e+04	0.0	1988.46	0.0	-1.233e+06	-7552.24
4	135	38.13	-4.650e+04	0.0	1988.46	0.0	-1.157e+06	-2.365e+04
4	135	76.25	-5.045e+04	0.0	1988.46	9.14e-03	-1.081e+06	-2.875e+04
4	135	114.38	-4.947e+04	0.0	1988.46	0.0	-1.005e+06	-3.058e+04
4	135	152.50	-4.848e+04	0.0	1988.46	0.0	-9.296e+05	-3.118e+04
4	135	190.63	-4.749e+04	0.0	1988.46	0.0	-8.538e+05	-3.137e+04
4	135	228.75	-4.651e+04	0.0	1988.46	0.0	-7.780e+05	-3.143e+04
4	135	266.88	-4.552e+04	0.0	1988.46	0.0	-7.022e+05	-3.145e+04
4	135	305.00	-4.453e+04	0.0	1988.46	0.0	-6.264e+05	-3.146e+04
4	135	343.13	-4.355e+04	0.0	1988.46	0.0	-5.506e+05	-3.147e+04
4	135	381.25	-4.256e+04	0.0	1988.46	0.0	-4.747e+05	-3.148e+04
4	135	419.38	-4.158e+04	0.0	1988.46	0.0	-3.989e+05	-3.156e+04
4	135	457.50	-4.059e+04	0.0	1988.46	6.40e-03	-3.231e+05	-3.187e+04
4	135	495.63	-3.960e+04	0.0	1988.46	0.0	-2.473e+05	-3.314e+04
4	135	533.75	-3.862e+04	0.0	1988.46	0.0	-1.715e+05	-3.812e+04
4	135	571.88	-3.730e+04	5.14e-06	1988.46	0.0	-9.569e+04	-3.947e+04
4	135	610.00	-2.576e+04	0.0	1988.46	0.0	-1.988e+04	-8612.38
4	136	0.0	-5.163e+04	-7.85	2311.27	-401.26	-1.433e+06	-8751.79
4	136	38.13	-5.163e+04	-7.85	2311.27	-103.18	-1.345e+06	-2.740e+04
4	136	76.25	-5.613e+04	3.73e-06	2311.27	0.06	-1.257e+06	-3.332e+04
4	136	114.38	-5.514e+04	0.0	2311.27	0.13	-1.169e+06	-3.544e+04
4	136	152.50	-5.415e+04	0.0	2311.27	0.13	-1.081e+06	-3.613e+04
4	136	190.63	-5.317e+04	0.0	2311.27	0.12	-9.924e+05	-3.636e+04
4	136	228.75	-5.218e+04	0.0	2311.27	0.12	-9.043e+05	-3.643e+04
4	136	266.88	-5.119e+04	0.0	2311.27	0.12	-8.162e+05	-3.645e+04
4	136	305.00	-5.021e+04	0.0	2311.27	0.12	-7.280e+05	-3.646e+04
4	136	343.13	-4.922e+04	0.0	2311.27	0.13	-6.399e+05	-3.646e+04
4	136	381.25	-4.823e+04	0.0	2311.27	0.12	-5.518e+05	-3.649e+04
4	136	419.38	-4.725e+04	0.0	2311.27	0.12	-4.637e+05	-3.657e+04
4	136	457.50	-4.626e+04	-4.66e-06	2311.27	0.13	-3.756e+05	-3.694e+04
4	136	495.63	-4.528e+04	0.0	2311.27	0.12	-2.875e+05	-3.840e+04
4	136	533.75	-4.429e+04	2.83e-05	2311.27	0.13	-1.993e+05	-4.418e+04
4	136	571.88	-4.297e+04	-8.65e-05	2311.27	0.12	-1.112e+05	-4.574e+04
4	136	610.00	-2.983e+04	1.79e-03	2311.27	0.04	-2.311e+04	-9980.31
4	137	0.0	-4.650e+04	0.0	1988.46	0.0	-1.233e+06	-7552.24
4	137	38.13	-4.650e+04	0.0	1988.46	0.0	-1.157e+06	-2.365e+04
4	137	76.25	-5.045e+04	0.0	1988.46	9.14e-03	-1.081e+06	-2.875e+04
4	137	114.38	-4.947e+04	0.0	1988.46	0.0	-1.005e+06	-3.058e+04
4	137	152.50	-4.848e+04	0.0	1988.46	0.0	-9.296e+05	-3.118e+04
4	137	190.63	-4.749e+04	0.0	1988.46	0.0	-8.538e+05	-3.137e+04
4	137	228.75	-4.651e+04	0.0	1988.46	0.0	-7.780e+05	-3.143e+04
4	137	266.88	-4.552e+04	0.0	1988.46	0.0	-7.022e+05	-3.145e+04
4	137	305.00	-4.453e+04	0.0	1988.46	0.0	-6.264e+05	-3.146e+04
4	137	343.13	-4.355e+04	0.0	1988.46	0.0	-5.506e+05	-3.147e+04
4	137	381.25	-4.256e+04	0.0	1988.46	0.0	-4.747e+05	-3.148e+04
4	137	419.38	-4.158e+04	0.0	1988.46	0.0	-3.989e+05	-3.156e+04
4	137	457.50	-4.059e+04	0.0	1988.46	6.40e-03	-3.231e+05	-3.187e+04
4	137	495.63	-3.960e+04	0.0	1988.46	0.0	-2.473e+05	-3.314e+04
4	137	533.75	-3.862e+04	0.0	1988.46	0.0	-1.715e+05	-3.812e+04
4	137	571.88	-3.730e+04	5.14e-06	1988.46	0.0	-9.569e+04	-3.947e+04
4	137	610.00	-2.576e+04	0.0	1988.46	0.0	-1.988e+04	-8612.38
4	138	0.0	-5.112e+04	-7.06	2278.99	-361.14	-1.413e+06	-8631.83
4	138	38.13	-5.112e+04	-7.06	2278.99	-92.86	-1.326e+06	-2.703e+04
4	138	76.25	-5.556e+04	3.35e-06	2278.99	0.05	-1.239e+06	-3.286e+04
4	138	114.38	-5.457e+04	0.0	2278.99	0.11	-1.152e+06	-3.495e+04
4	138	152.50	-5.359e+04	0.0	2278.99	0.11	-1.065e+06	-3.564e+04
4	138	190.63	-5.260e+04	0.0	2278.99	0.11	-9.785e+05	-3.586e+04
4	138	228.75	-5.161e+04	0.0	2278.99	0.11	-8.917e+05	-3.593e+04
4	138	266.88	-5.063e+04	0.0	2278.99	0.11	-8.048e+05	-3.595e+04
4	138	305.00	-4.964e+04	0.0	2278.99	0.11	-7.179e+05	-3.596e+04
4	138	343.13	-4.865e+04	0.0	2278.99	0.11	-6.310e+05	-3.596e+04
4	138	381.25	-4.767e+04	0.0	2278.99	0.11	-5.441e+05	-3.599e+04
4	138	419.38	-4.668e+04	0.0	2278.99	0.11	-4.572e+05	-3.607e+04
4	138	457.50	-4.569e+04	-4.19e-06	2278.99	0.12	-3.703e+05	-3.643e+04
4	138	495.63	-4.471e+04	0.0	2278.99	0.11	-2.834e+05	-3.788e+04
4	138	533.75	-4.372e+04	2.55e-05	2278.99	0.12	-1.966e+05	-4.357e+04
4	138	571.88	-4.241e+04	-7.73e-05	2278.99	0.11	-1.097e+05	-4.512e+04
4	138	610.00	-2.942e+04	1.61e-03	2278.99	0.04	-2.279e+04	-9843.52
4	139	0.0	-4.650e+04	0.0	1988.46	0.0	-1.233e+06	-7552.24
4	139	38.13	-4.650e+04	0.0	1988.46	0.0	-1.157e+06	-2.365e+04
4	139	76.25	-5.045e+04	0.0	1988.46	9.14e-03	-1.081e+06	-2.875e+04
4	139	114.38	-4.947e+04	0.0	1988.46	0.0	-1.005e+06	-3.058e+04
4	139	152.50	-4.848e+04	0.0	1988.46	0.0	-9.296e+05	-3.118e+04
4	139	190.63	-4.749e+04	0.0	1988.46	0.0	-8.538e+05	-3.137e+04

PONTE-TUBO - RELAZIONE DI CALCOLO

COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	162 di 288

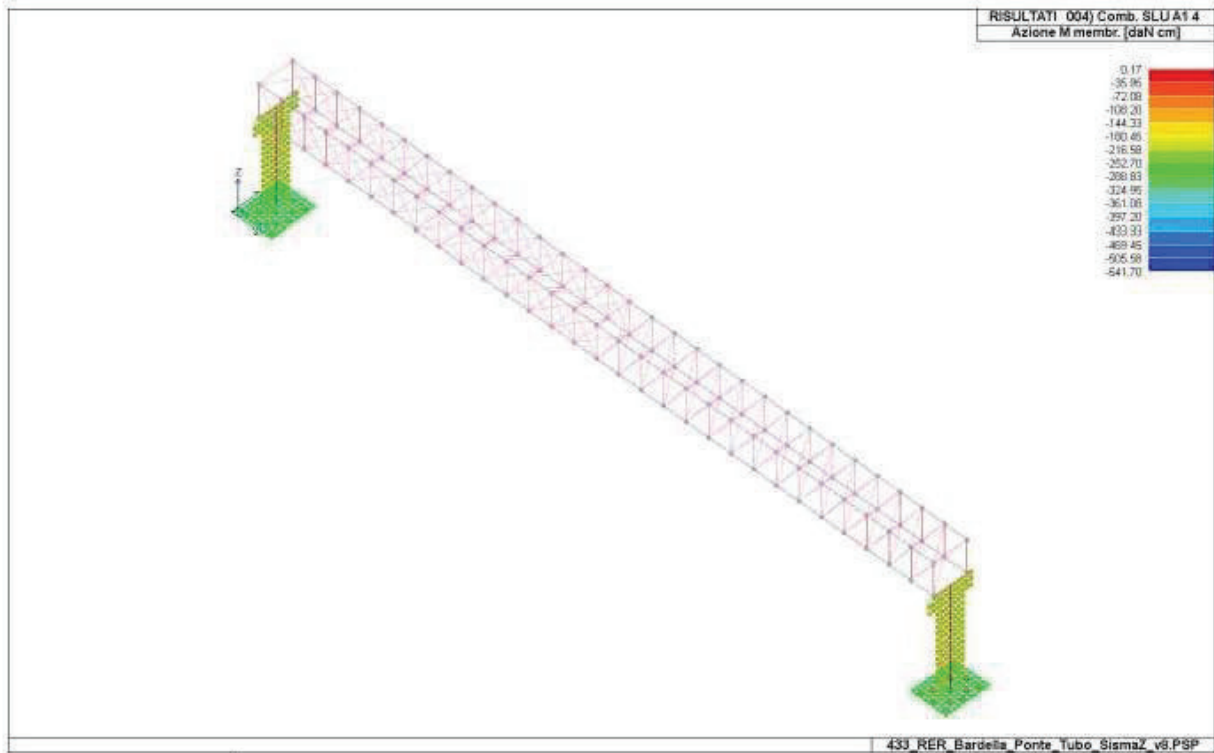
4	139	228.75	-4.651e+04	0.0	1988.46	0.0	-7.780e+05	-3.143e+04
4	139	266.88	-4.552e+04	0.0	1988.46	0.0	-7.022e+05	-3.145e+04
4	139	305.00	-4.453e+04	0.0	1988.46	0.0	-6.264e+05	-3.146e+04
4	139	343.13	-4.355e+04	0.0	1988.46	0.0	-5.506e+05	-3.147e+04
4	139	381.25	-4.256e+04	0.0	1988.46	0.0	-4.747e+05	-3.148e+04
4	139	419.38	-4.158e+04	0.0	1988.46	0.0	-3.989e+05	-3.156e+04
4	139	457.50	-4.059e+04	0.0	1988.46	6.40e-03	-3.231e+05	-3.187e+04
4	139	495.63	-3.960e+04	0.0	1988.46	0.0	-2.473e+05	-3.314e+04
4	139	533.75	-3.862e+04	0.0	1988.46	0.0	-1.715e+05	-3.812e+04
4	139	571.88	-3.730e+04	5.14e-06	1988.46	0.0	-9.569e+04	-3.947e+04
4	139	610.00	-2.576e+04	0.0	1988.46	0.0	-1.988e+04	-8612.38
4	140	0.0	-5.061e+04	-6.28	2246.71	-321.01	-1.393e+06	-8511.88
4	140	38.13	-5.061e+04	-6.28	2246.71	-82.54	-1.307e+06	-2.665e+04
4	140	76.25	-5.499e+04	2.98e-06	2246.71	0.05	-1.222e+06	-3.240e+04
4	140	114.38	-5.401e+04	0.0	2246.71	0.10	-1.136e+06	-3.447e+04
4	140	152.50	-5.302e+04	0.0	2246.71	0.10	-1.050e+06	-3.514e+04
4	140	190.63	-5.203e+04	0.0	2246.71	0.10	-9.647e+05	-3.536e+04
4	140	228.75	-5.105e+04	0.0	2246.71	0.10	-8.790e+05	-3.543e+04
4	140	266.88	-5.006e+04	0.0	2246.71	0.10	-7.934e+05	-3.545e+04
4	140	305.00	-4.907e+04	0.0	2246.71	0.10	-7.077e+05	-3.546e+04
4	140	343.13	-4.809e+04	0.0	2246.71	0.10	-6.221e+05	-3.546e+04
4	140	381.25	-4.710e+04	0.0	2246.71	0.10	-5.364e+05	-3.549e+04
4	140	419.38	-4.611e+04	0.0	2246.71	0.10	-4.507e+05	-3.557e+04
4	140	457.50	-4.513e+04	-3.73e-06	2246.71	0.11	-3.651e+05	-3.592e+04
4	140	495.63	-4.414e+04	0.0	2246.71	0.10	-2.794e+05	-3.735e+04
4	140	533.75	-4.315e+04	2.26e-05	2246.71	0.10	-1.938e+05	-4.297e+04
4	140	571.88	-4.184e+04	-6.82e-05	2246.71	0.10	-1.081e+05	-4.449e+04
4	140	610.00	-2.902e+04	1.43e-03	2246.71	0.03	-2.247e+04	-9706.72
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-7.595e+04	-2.480e+04	-3903.23	-8.256e+06	-5.735e+06	-1.839e+06
			-2.093e+04	2.124e+04	9995.24	9.633e+06	2.124e+06	1.685e+06



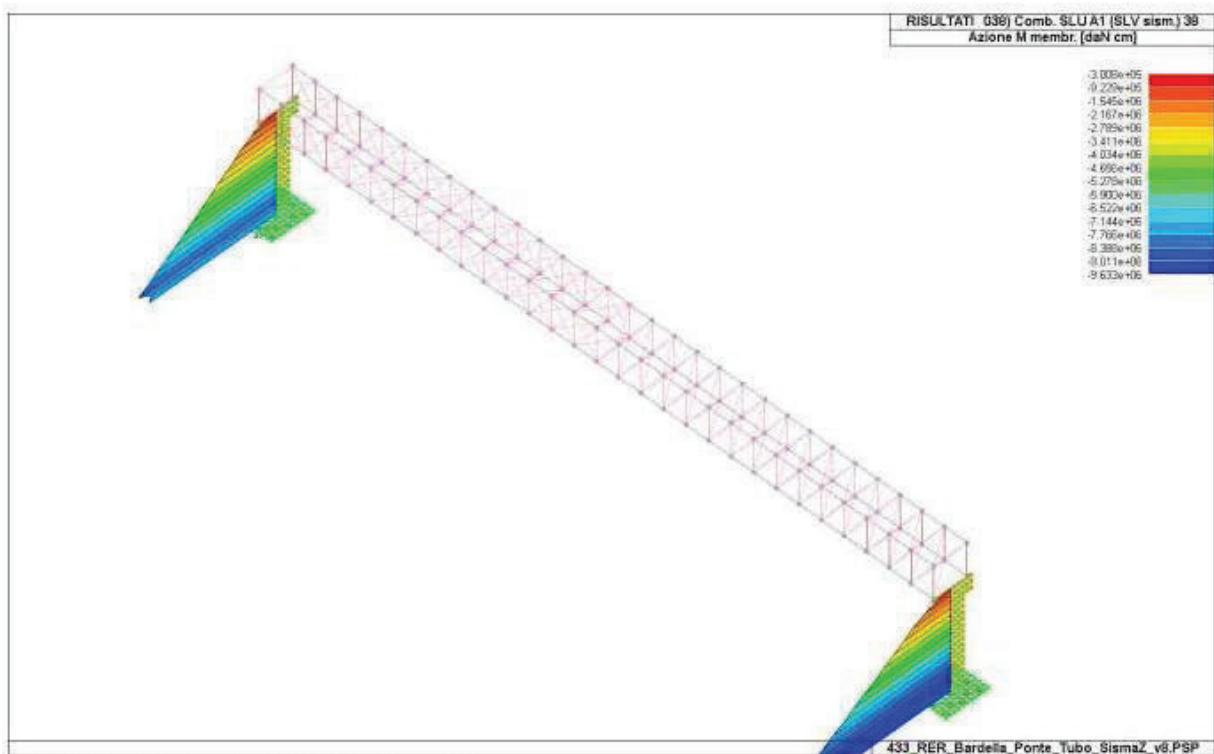
47_RIS_M_002_Comb. SLU A1 2

PONTE-TUBO - RELAZIONE DI CALCOLO

COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	163 di 288



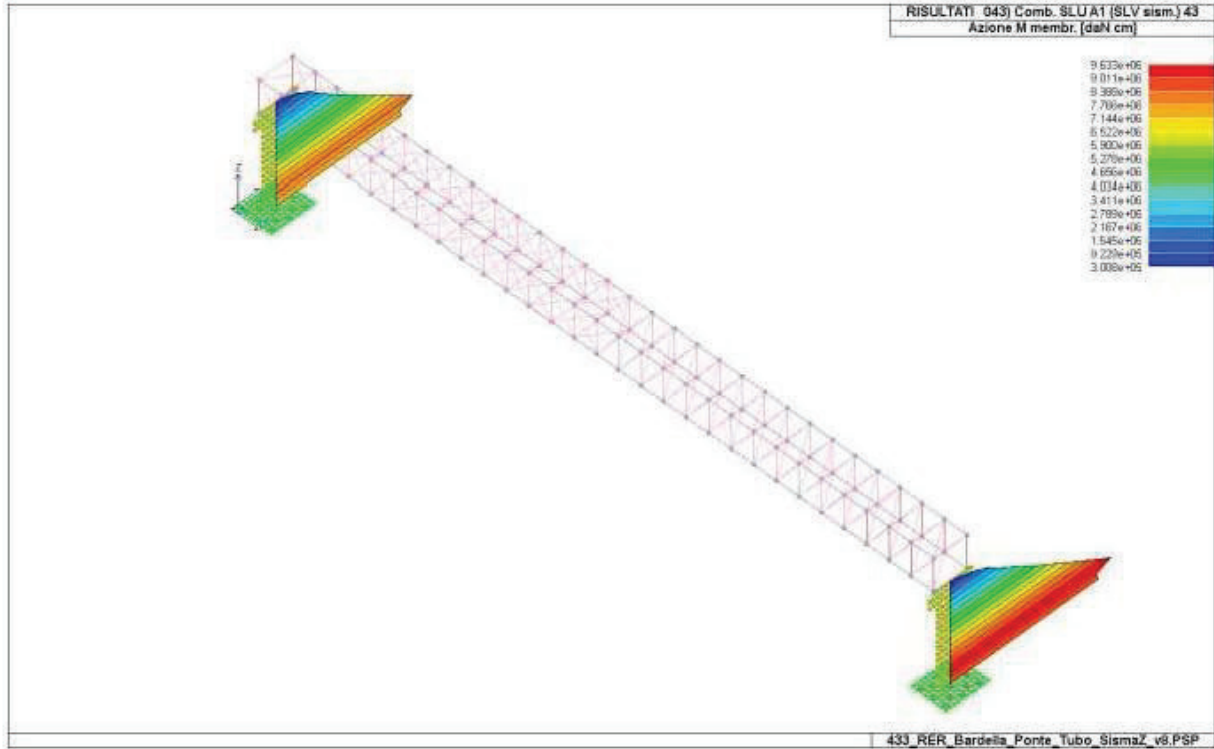
47_RIS_M_004_Comb. SLU A1 4



47_RIS_M_038_Comb. SLU A1 (SLV sism.) 38

PONTE-TUBO - RELAZIONE DI CALCOLO

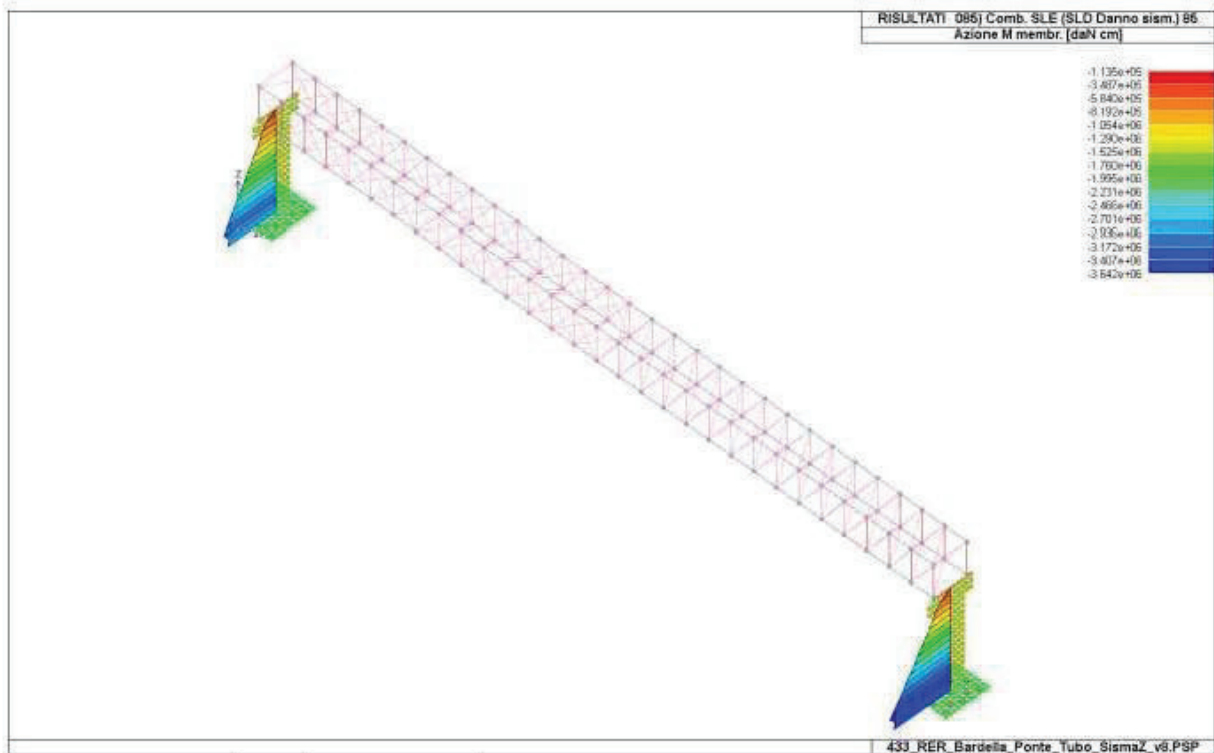
COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	164 di 288



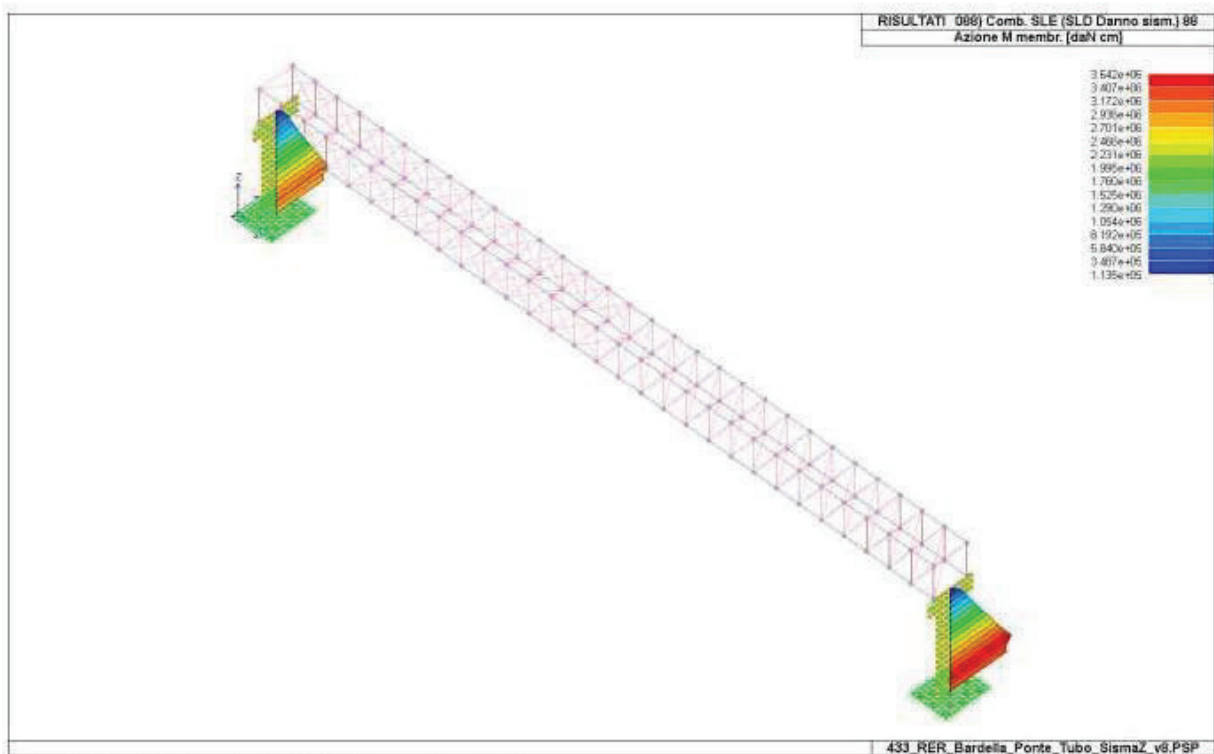
47_RIS_M_043_Comb. SLU A1 (SLV sism.) 43

PONTE-TUBO - RELAZIONE DI CALCOLO

COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	165 di 288



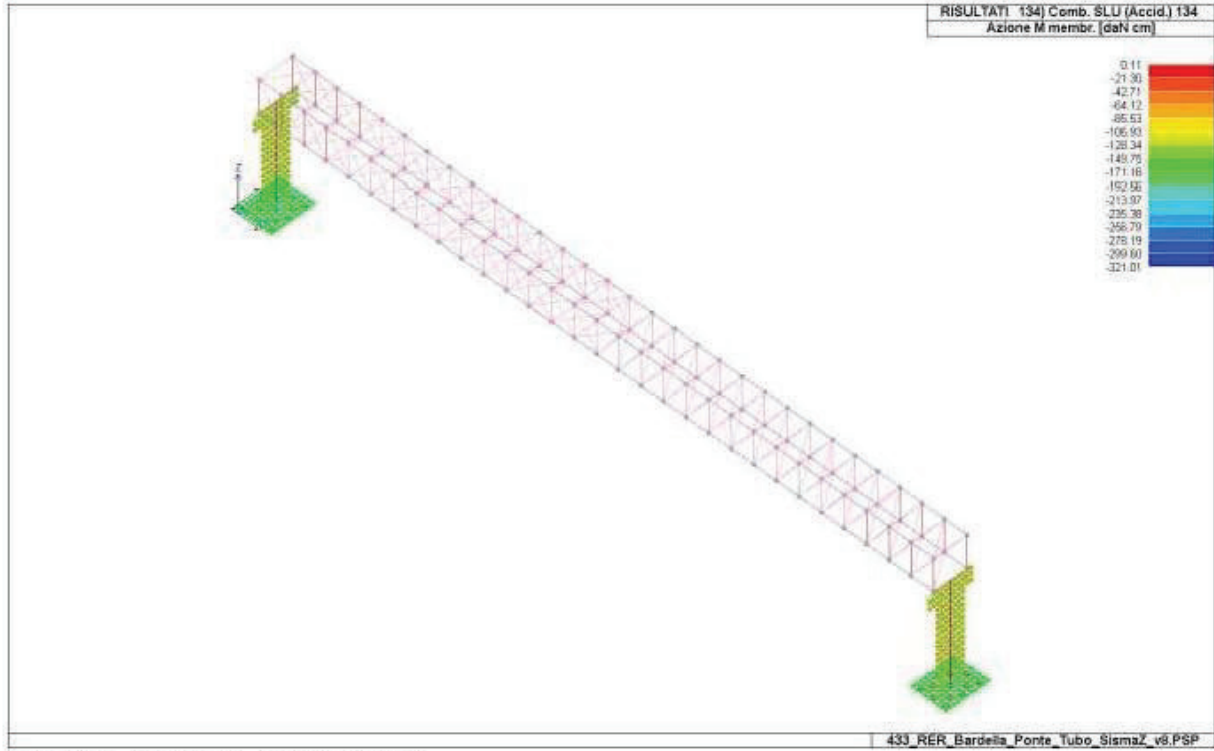
47_RIS_M_085_Comb. SLE (SLD Danno sism.) 85



47_RIS_M_088_Comb. SLE (SLD Danno sism.) 88

PONTE-TUBO - RELAZIONE DI CALCOLO

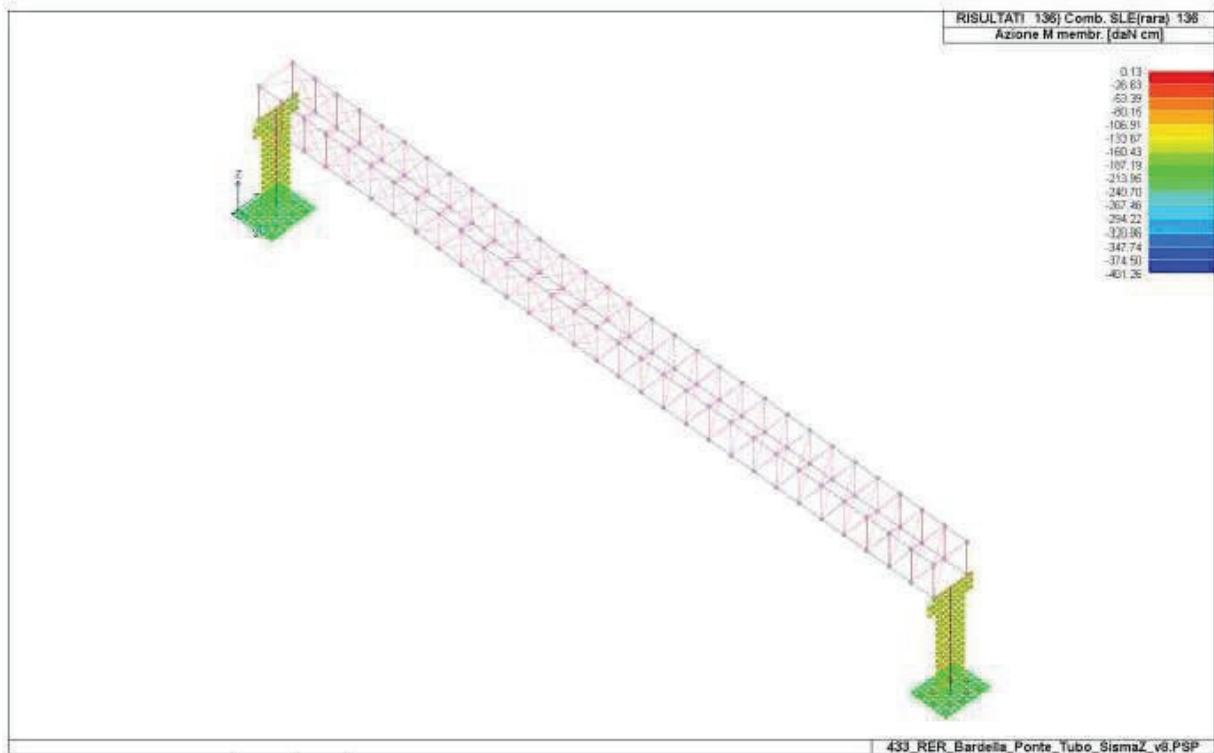
COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	166 di 288



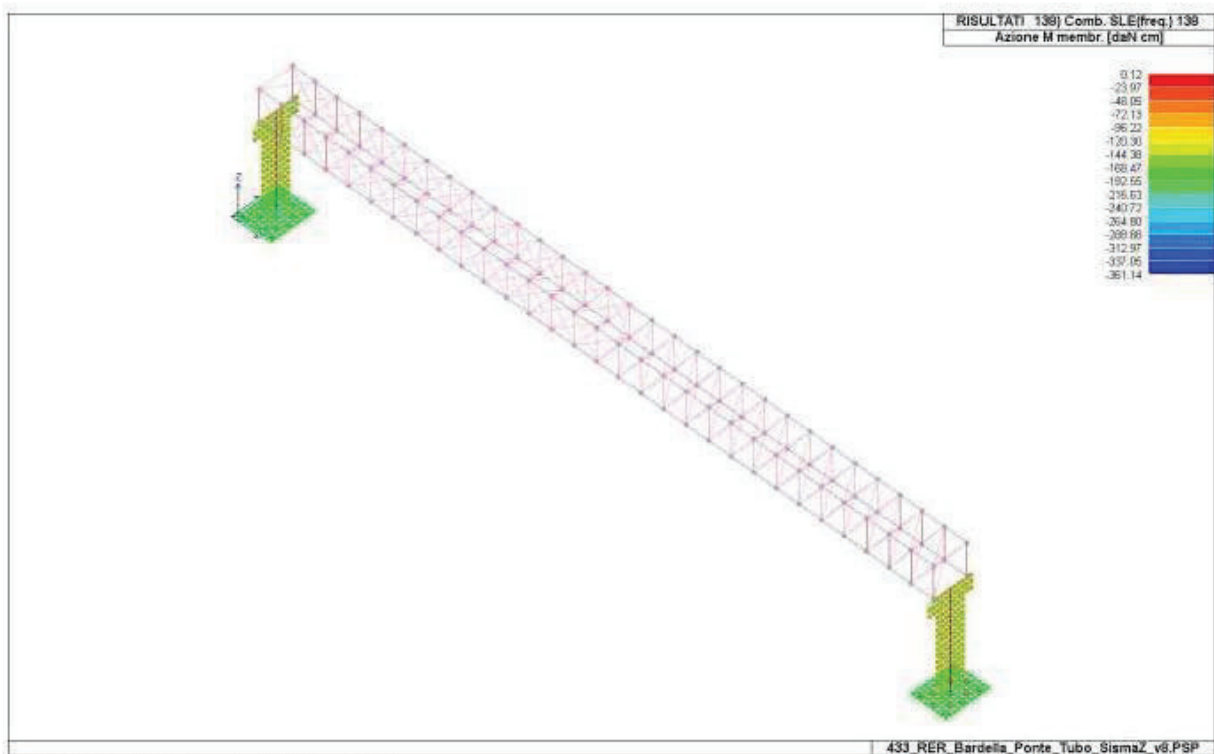
47_RIS_M_134_Comb. SLU (Accid.) 134

PONTE-TUBO - RELAZIONE DI CALCOLO

COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	167 di 288



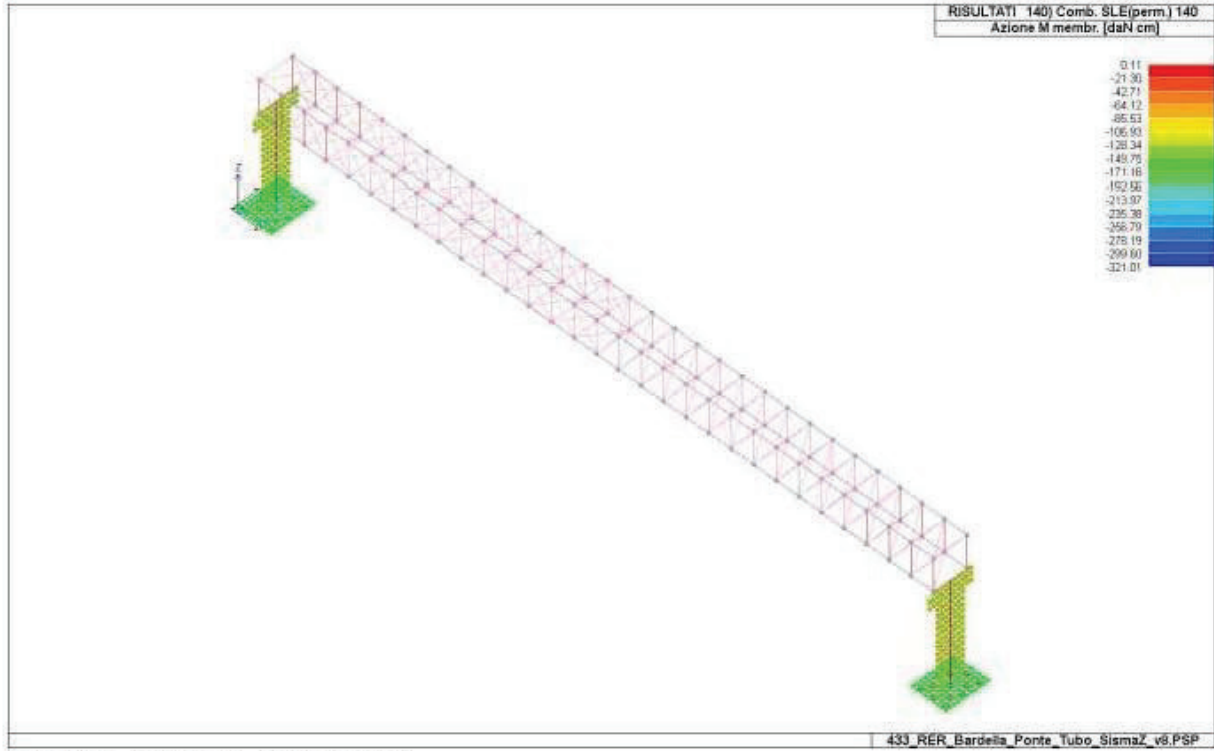
47_RIS_M_136_Comb. SLE(rara) 136



47_RIS_M_138_Comb. SLE(freq.) 138

PONTE-TUBO - RELAZIONE DI CALCOLO

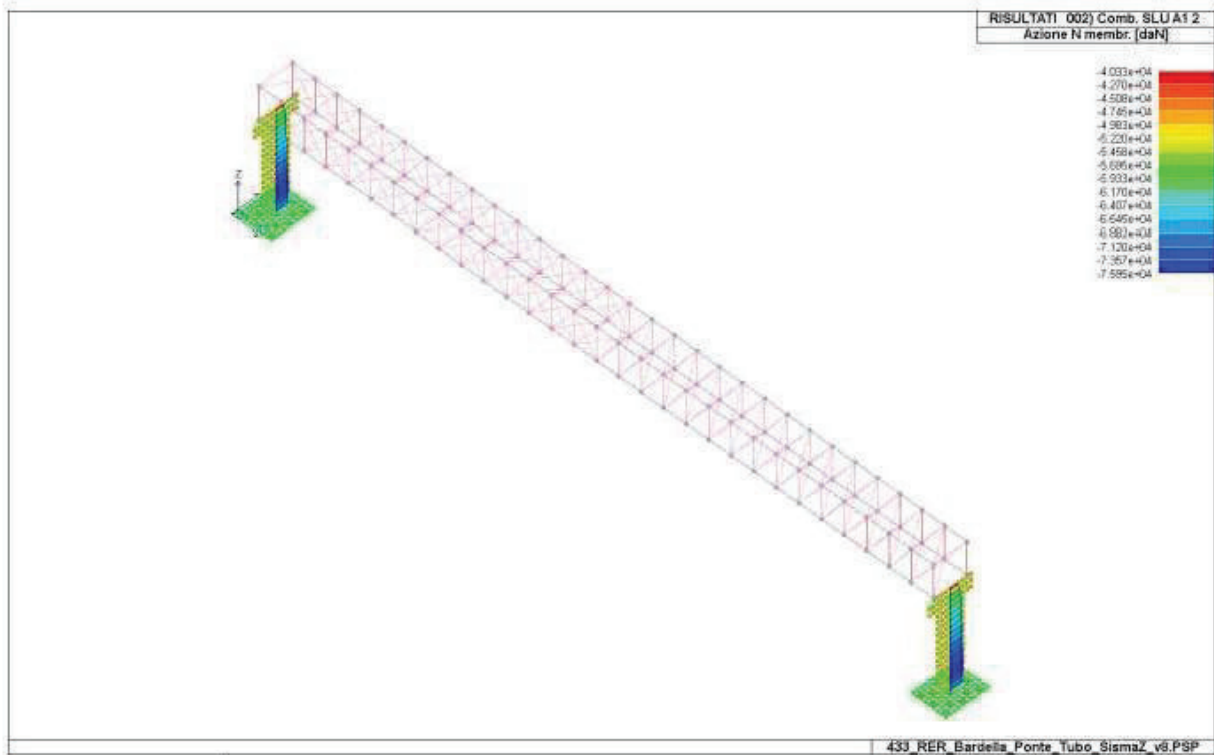
COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	168 di 288



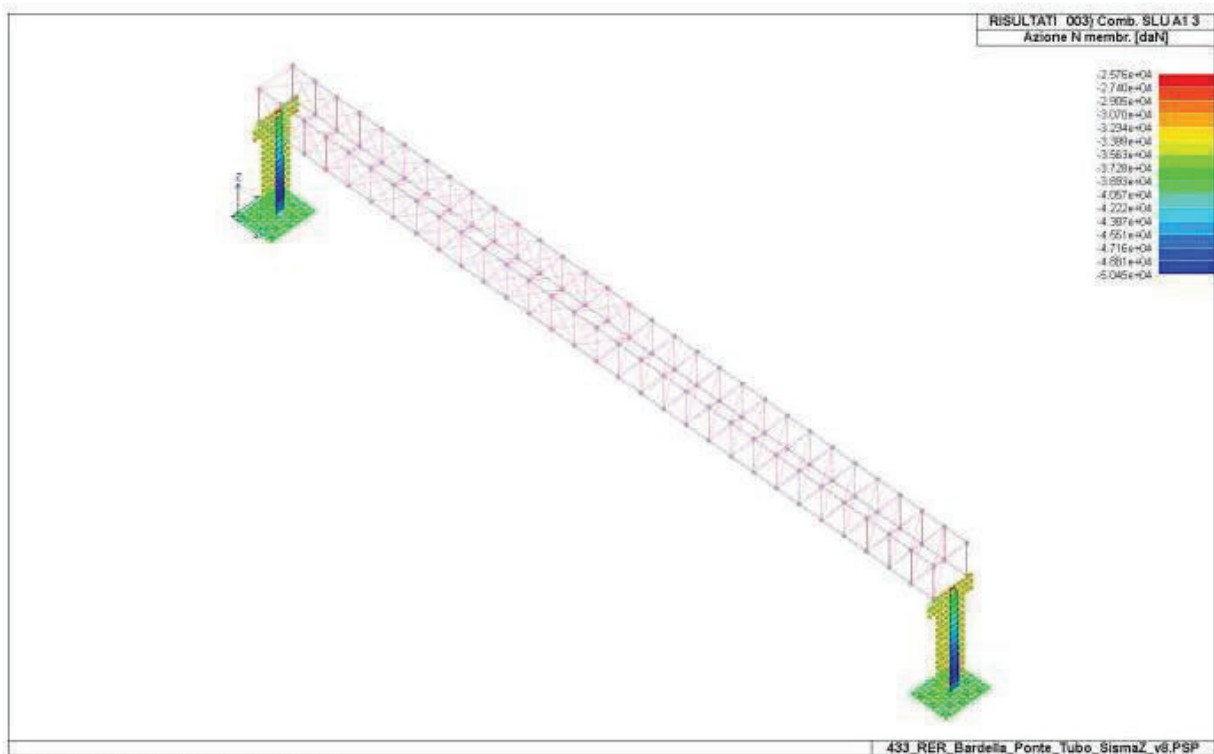
47_RIS_M_140_Comb. SLE(perm.) 140

PONTE-TUBO - RELAZIONE DI CALCOLO

COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	169 di 288



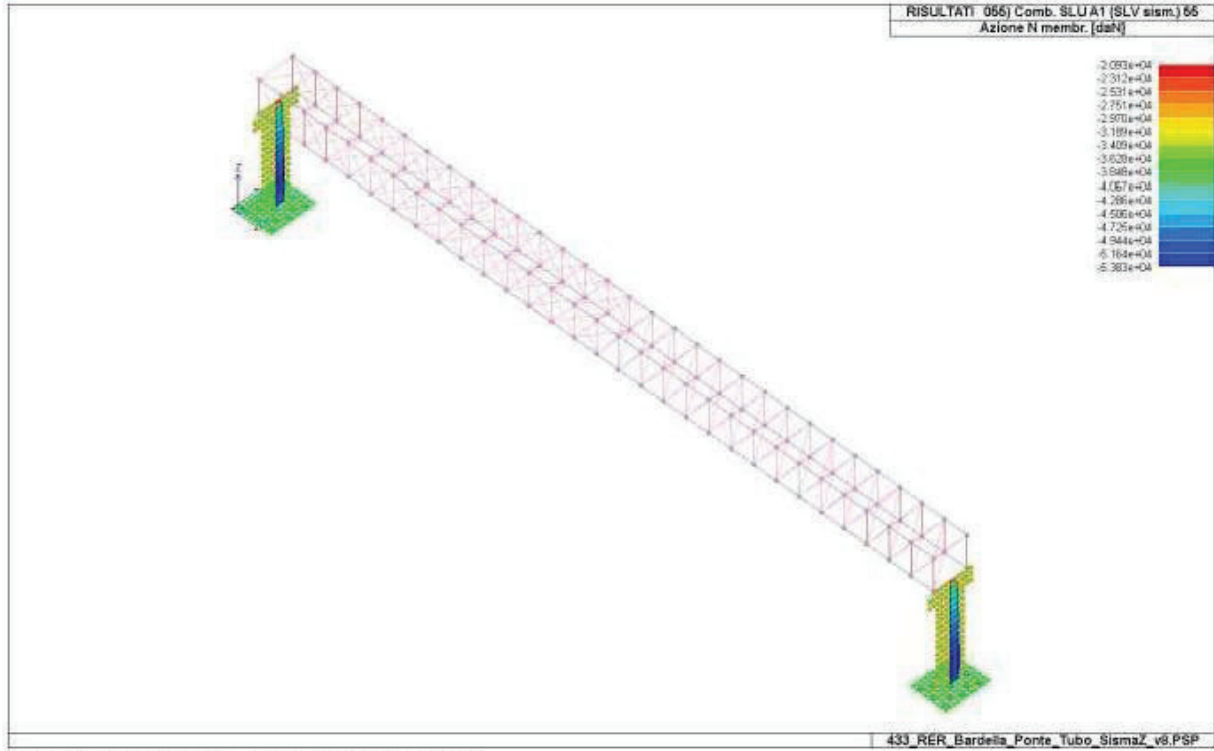
47_RIS_N_002_Comb. SLU A1 2



47_RIS_N_003_Comb. SLU A1 3

PONTE-TUBO - RELAZIONE DI CALCOLO

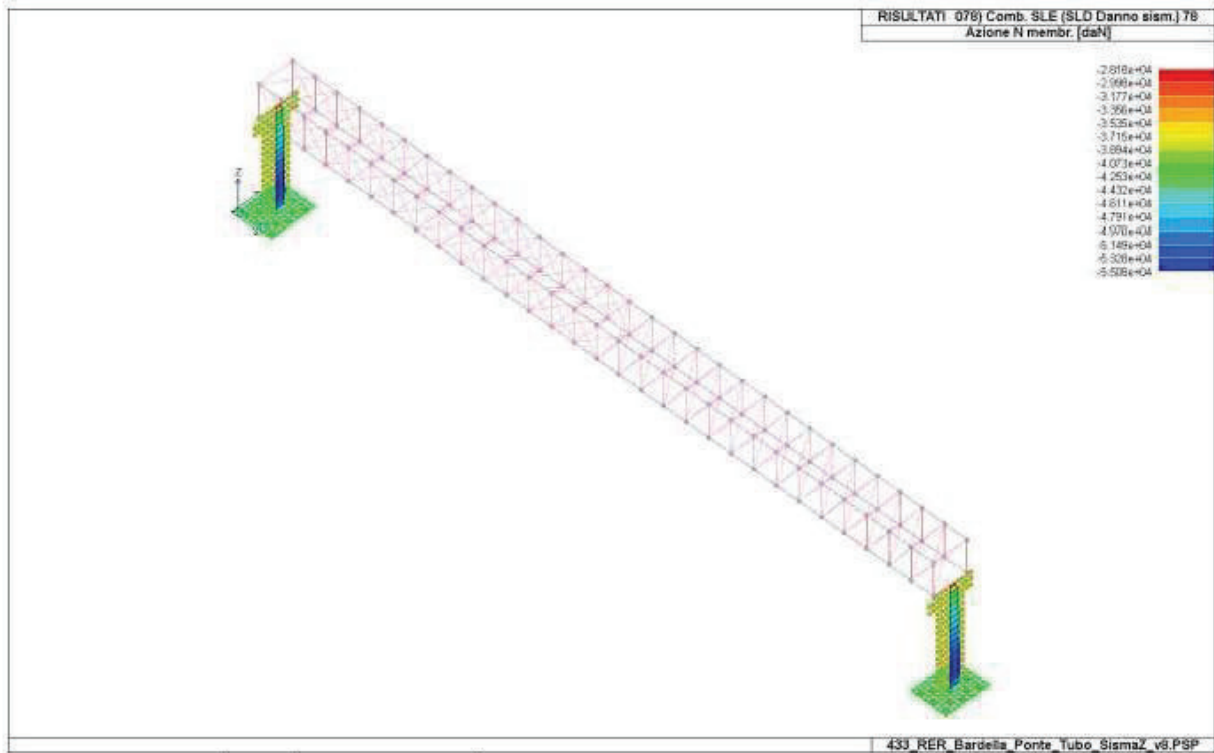
COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	170 di 288



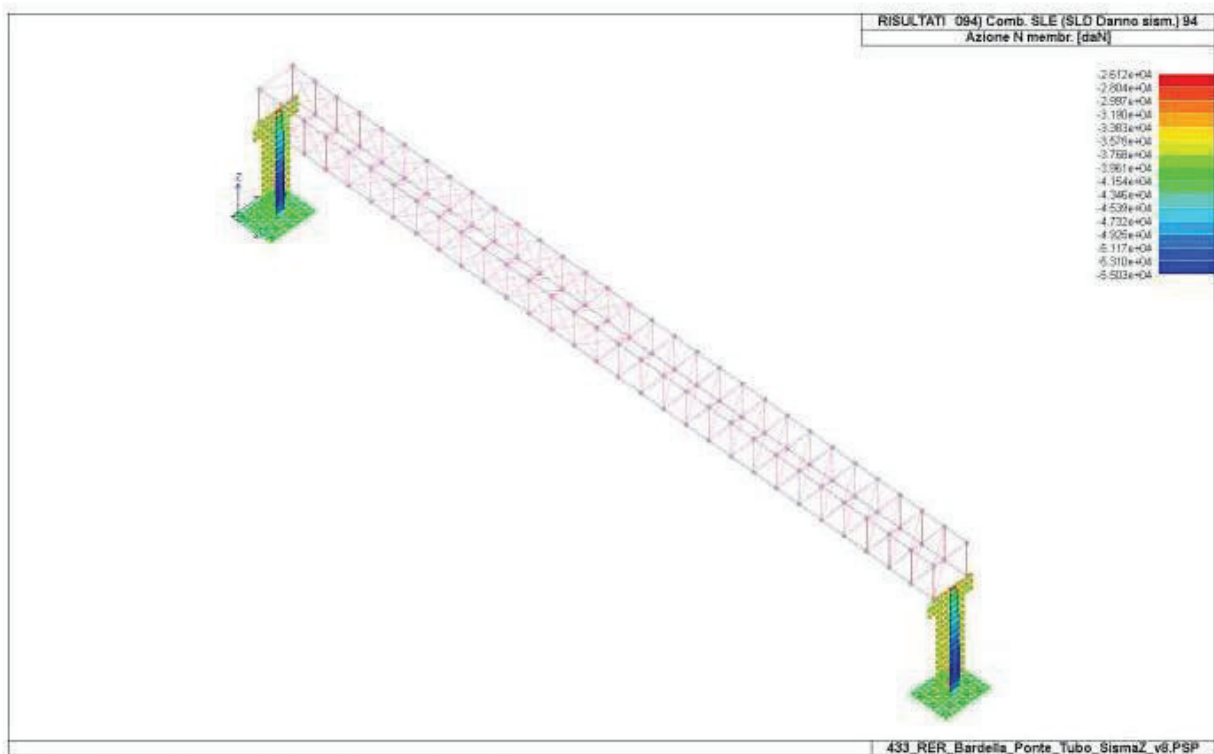
47_RIS_N_055_Comb. SLU A1 (SLV sism.) 55

PONTE-TUBO - RELAZIONE DI CALCOLO

COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	171 di 288



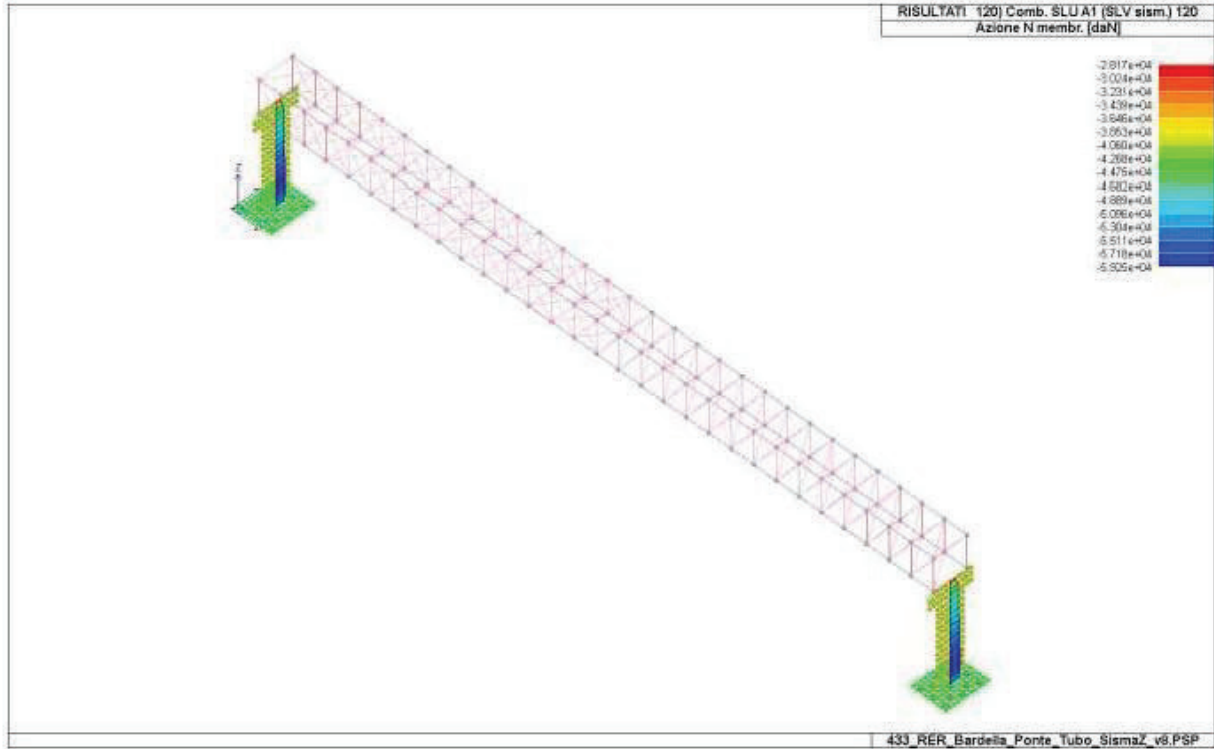
47_RIS_N_078_Comb. SLE (SLD Danno sism.) 78



47_RIS_N_094_Comb. SLE (SLD Danno sism.) 94

PONTE-TUBO - RELAZIONE DI CALCOLO

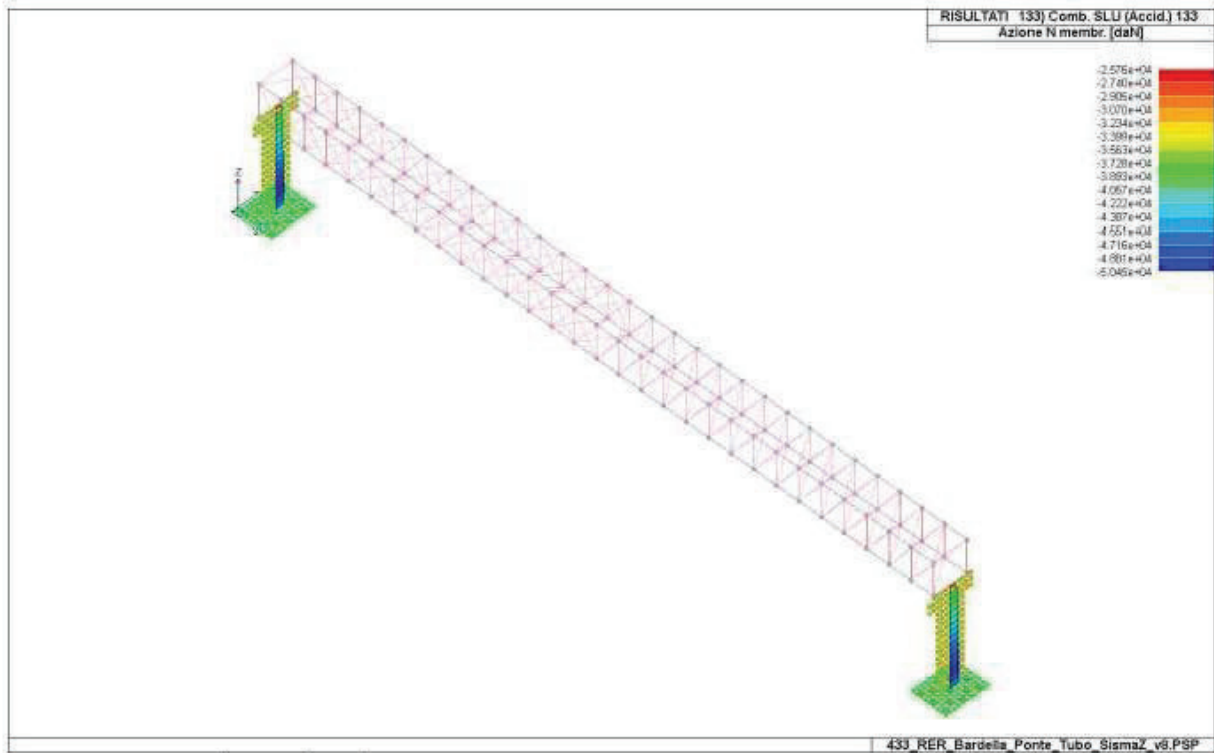
COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	172 di 288



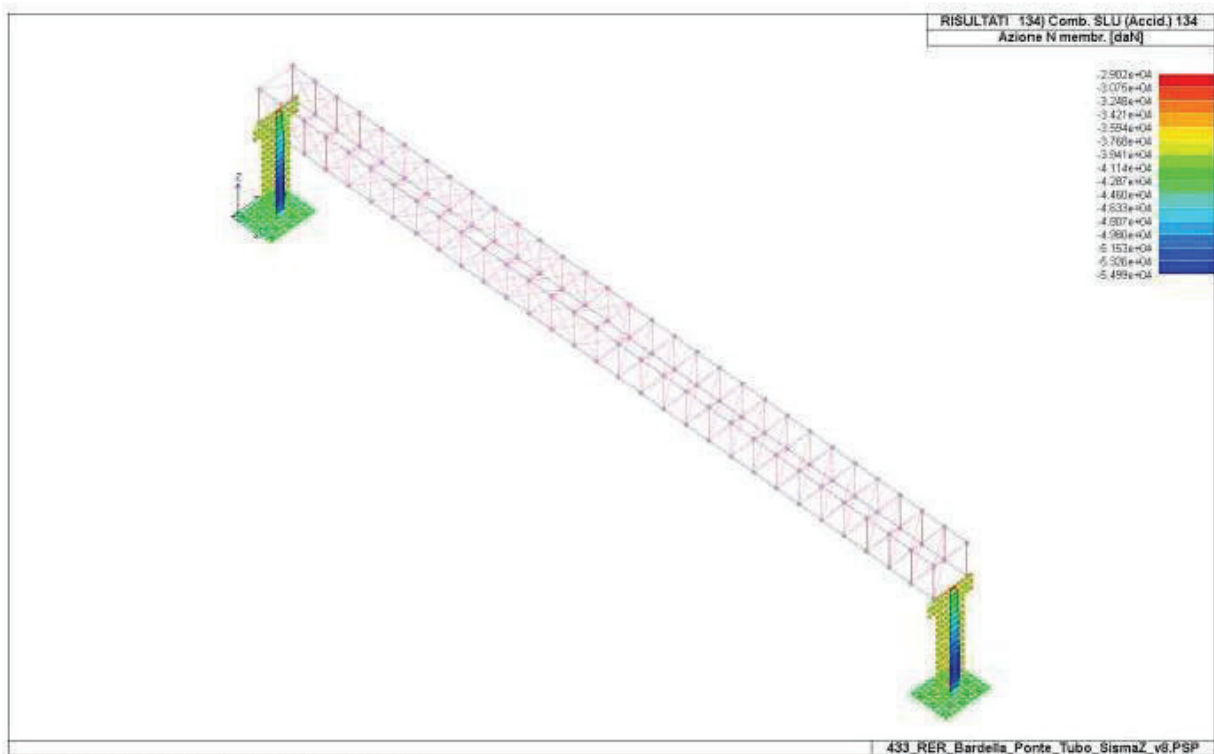
47_RIS_N_120_Comb. SLU A1 (SLV sism.) 120

PONTE-TUBO - RELAZIONE DI CALCOLO

COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	173 di 288



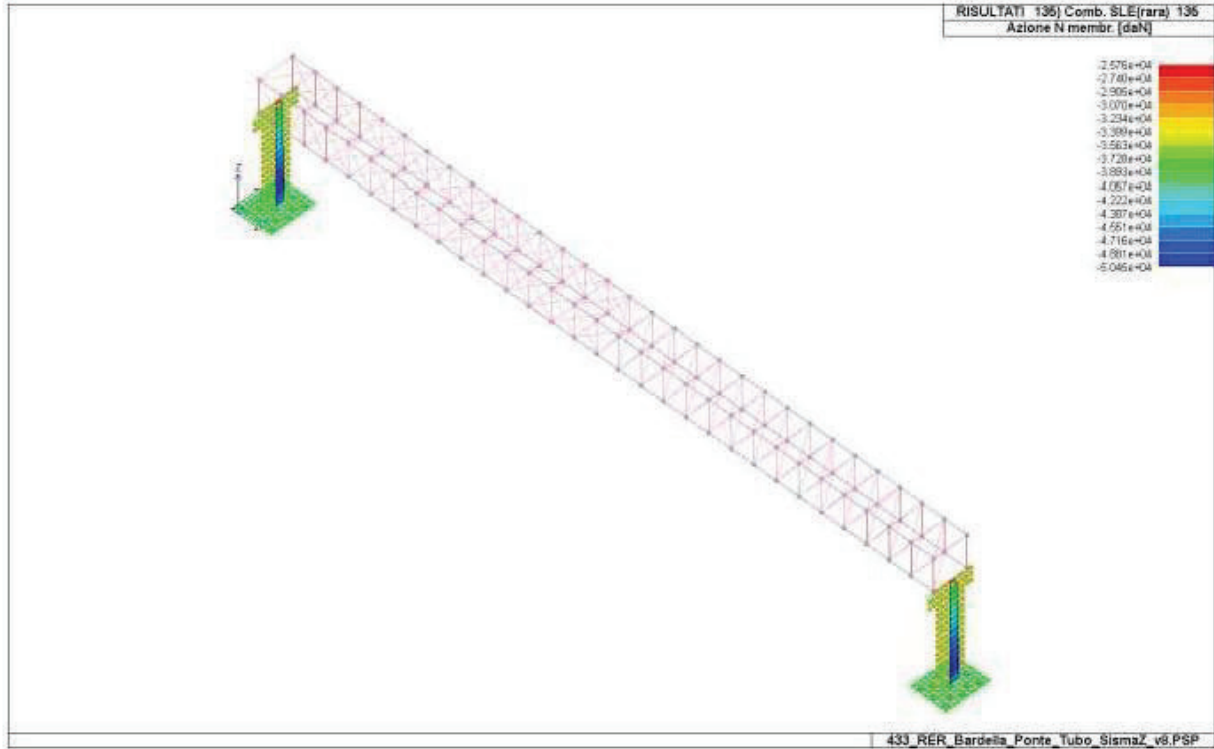
47_RIS_N_133_Comb. SLU (Accid.) 133



47_RIS_N_134_Comb. SLU (Accid.) 134

PONTE-TUBO - RELAZIONE DI CALCOLO

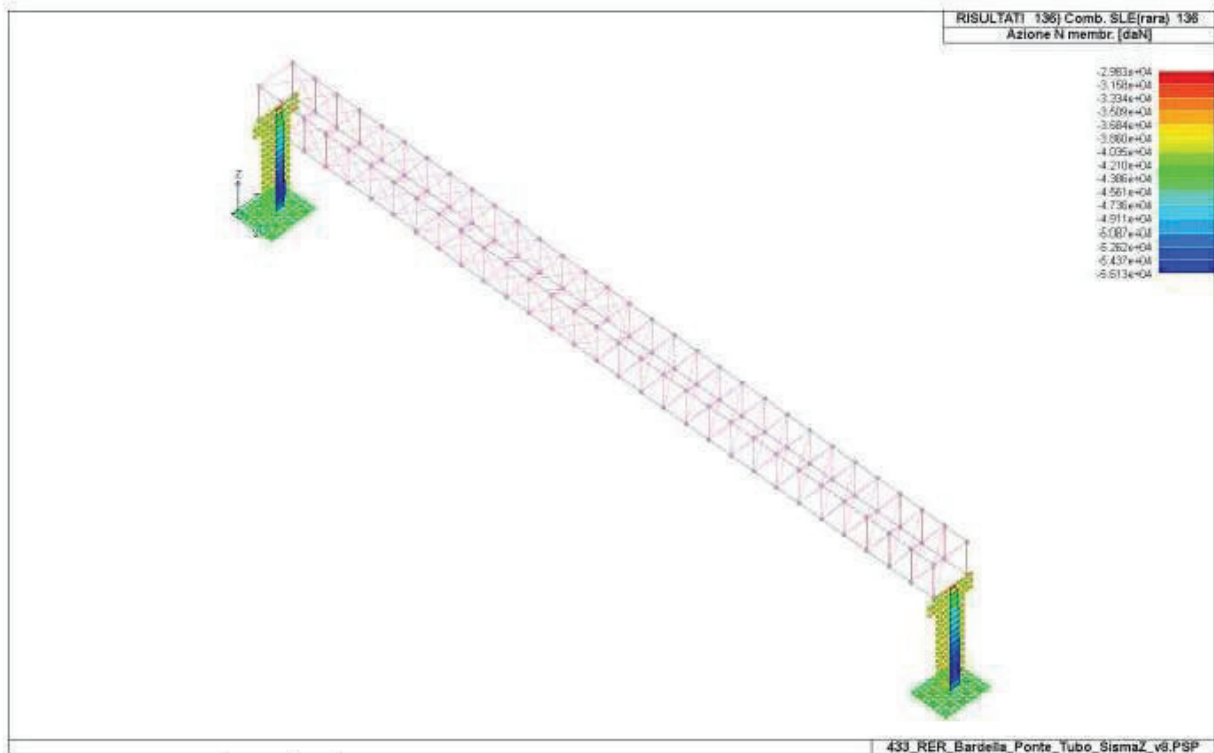
COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	174 di 288



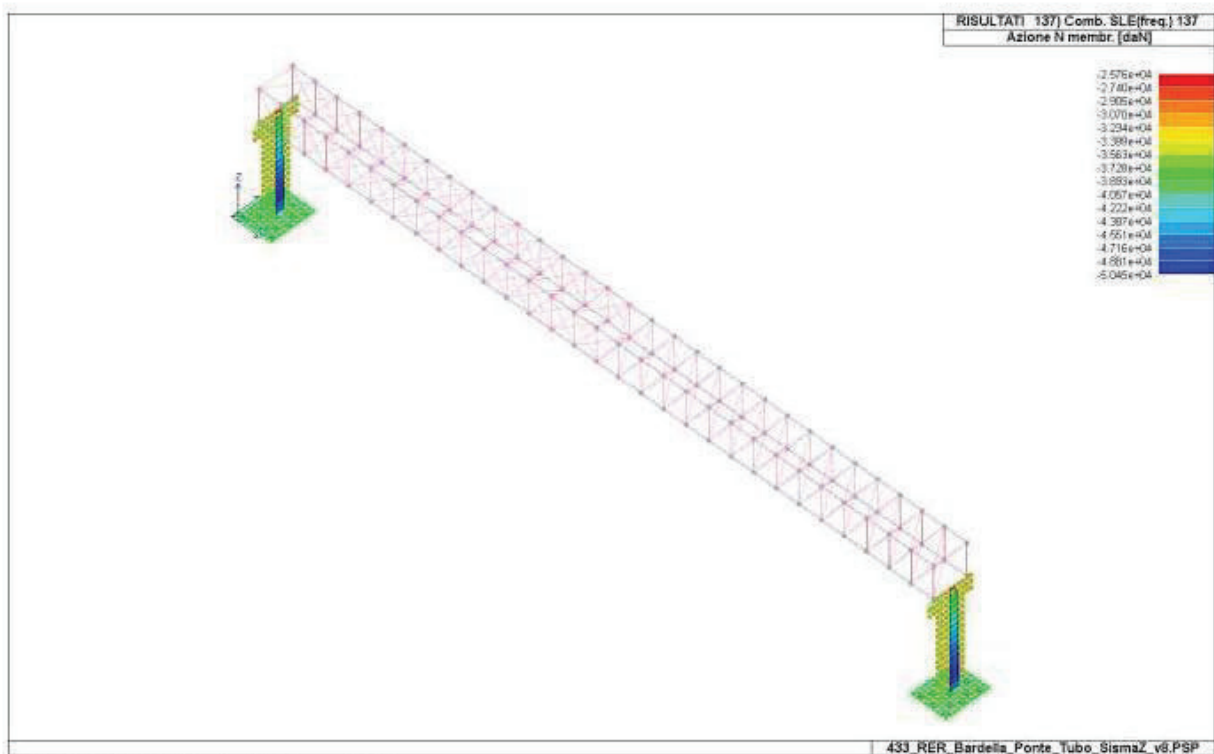
47_RIS_N_135_Comb. SLE(rara) 135

PONTE-TUBO - RELAZIONE DI CALCOLO

COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	175 di 288



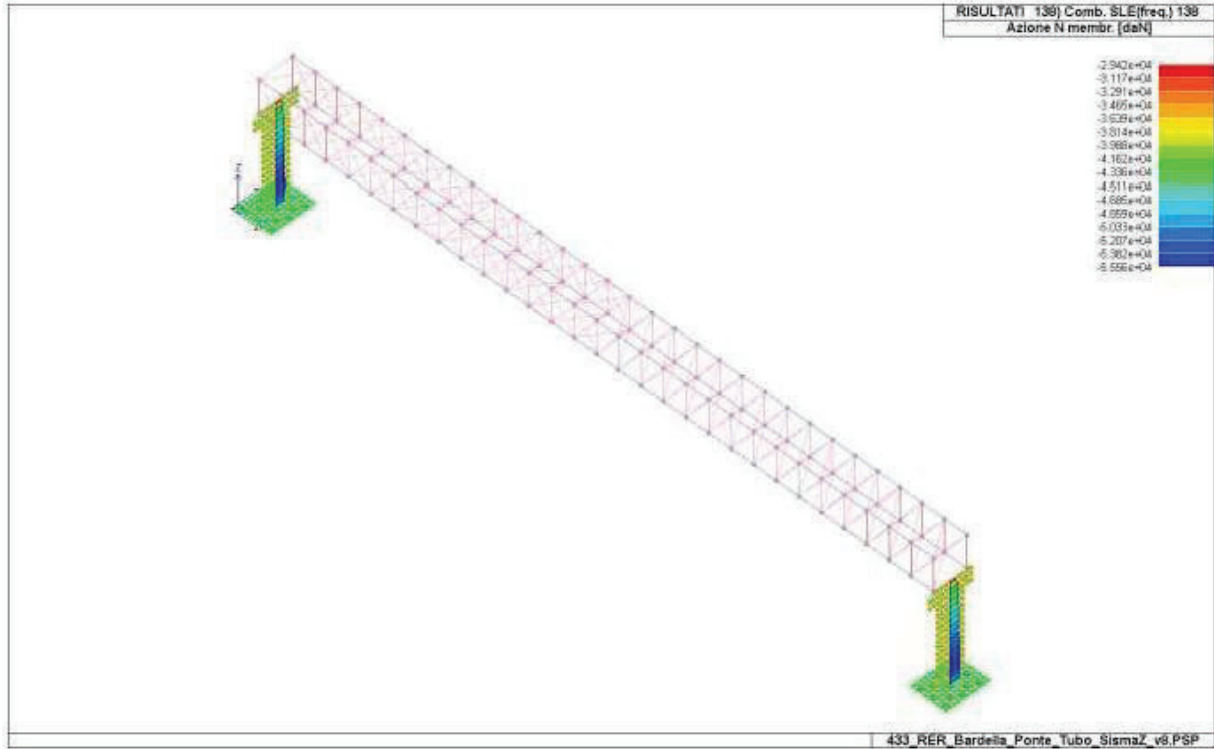
47_RIS_N_136_Comb. SLE(rara) 136



47_RIS_N_137_Comb. SLE(freq.) 137

PONTE-TUBO - RELAZIONE DI CALCOLO

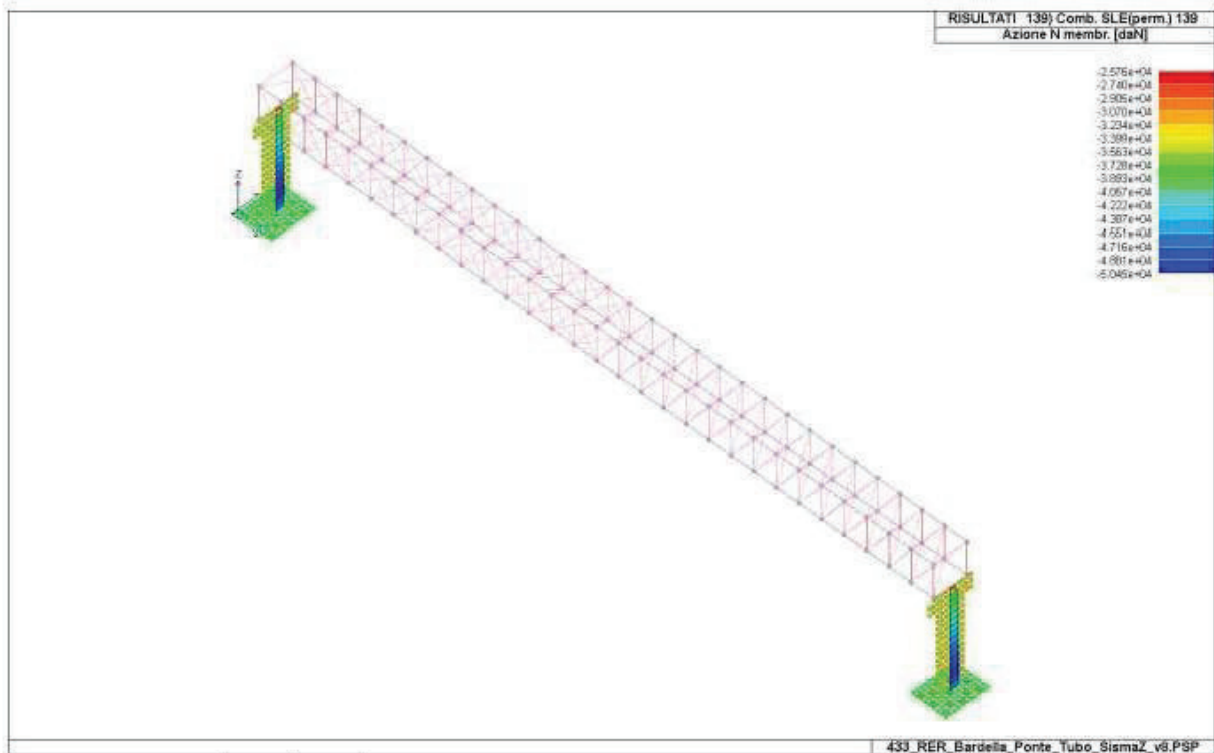
COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	176 di 288



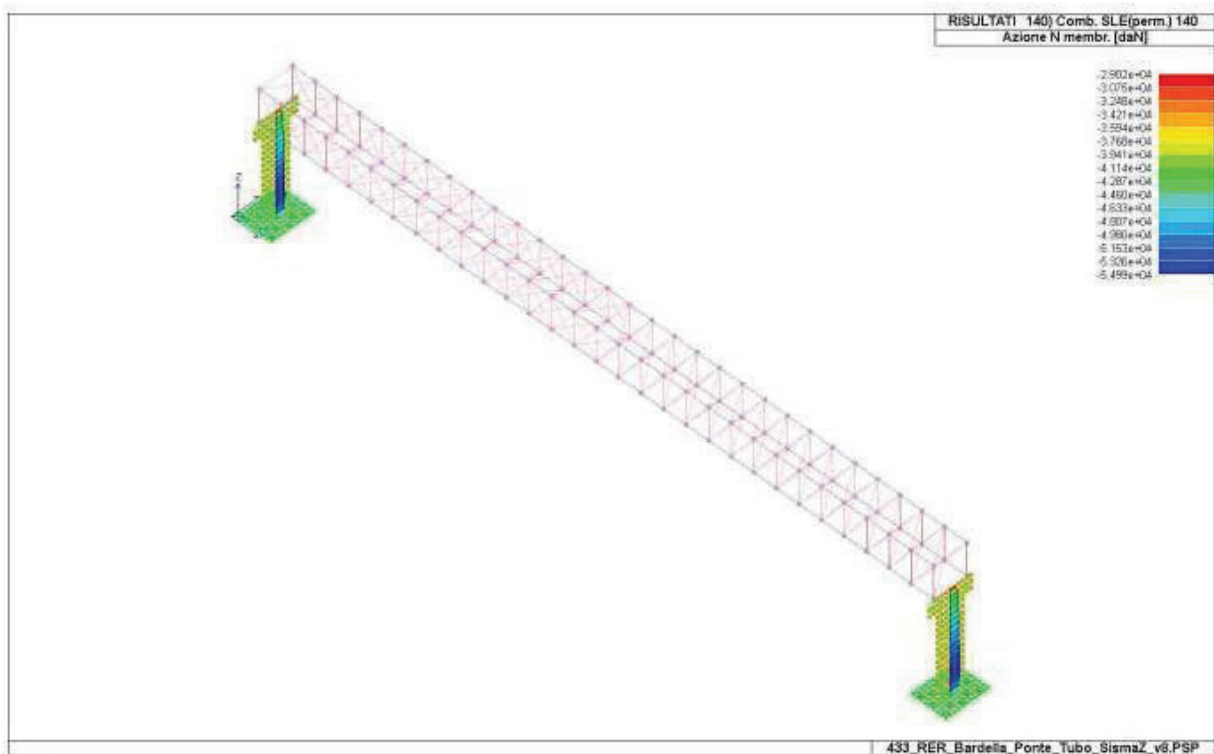
47_RIS_N_138_Comb. SLE(freq.) 138

PONTE-TUBO - RELAZIONE DI CALCOLO

COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	177 di 288



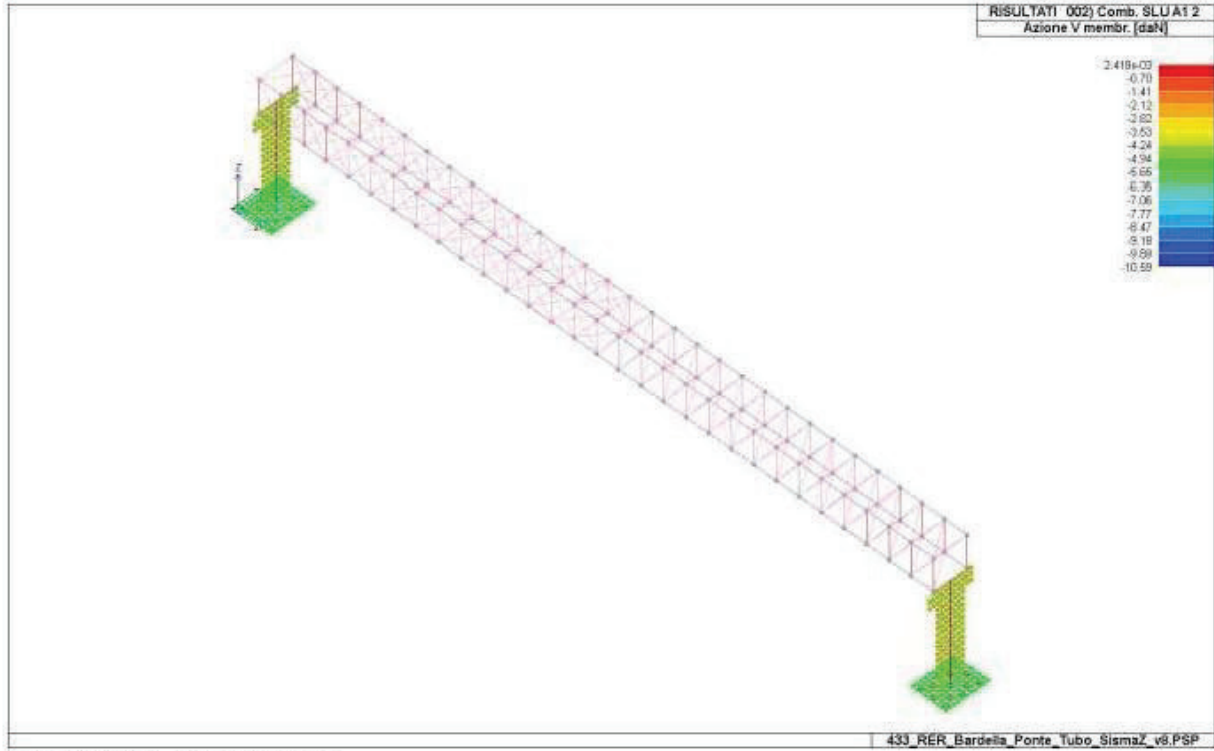
47_RIS_N_139_Comb. SLE(perm.) 139



47_RIS_N_140_Comb. SLE(perm.) 140

PONTE-TUBO - RELAZIONE DI CALCOLO

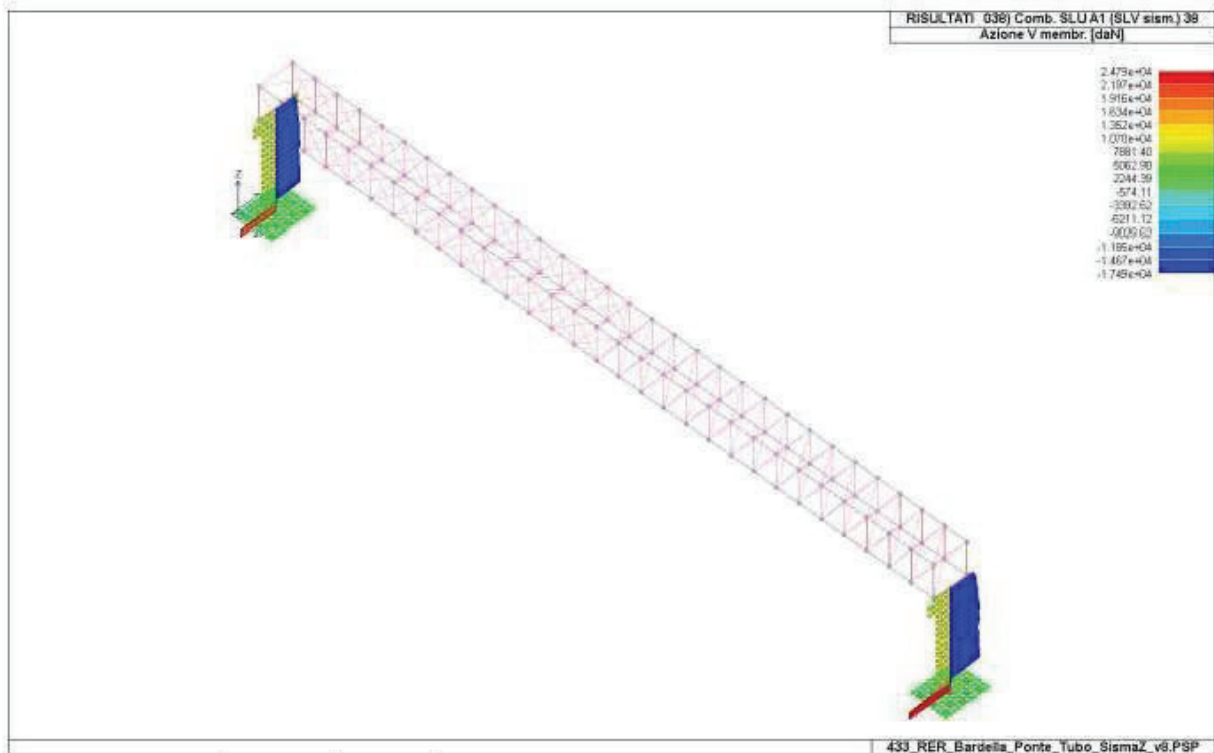
COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	178 di 288



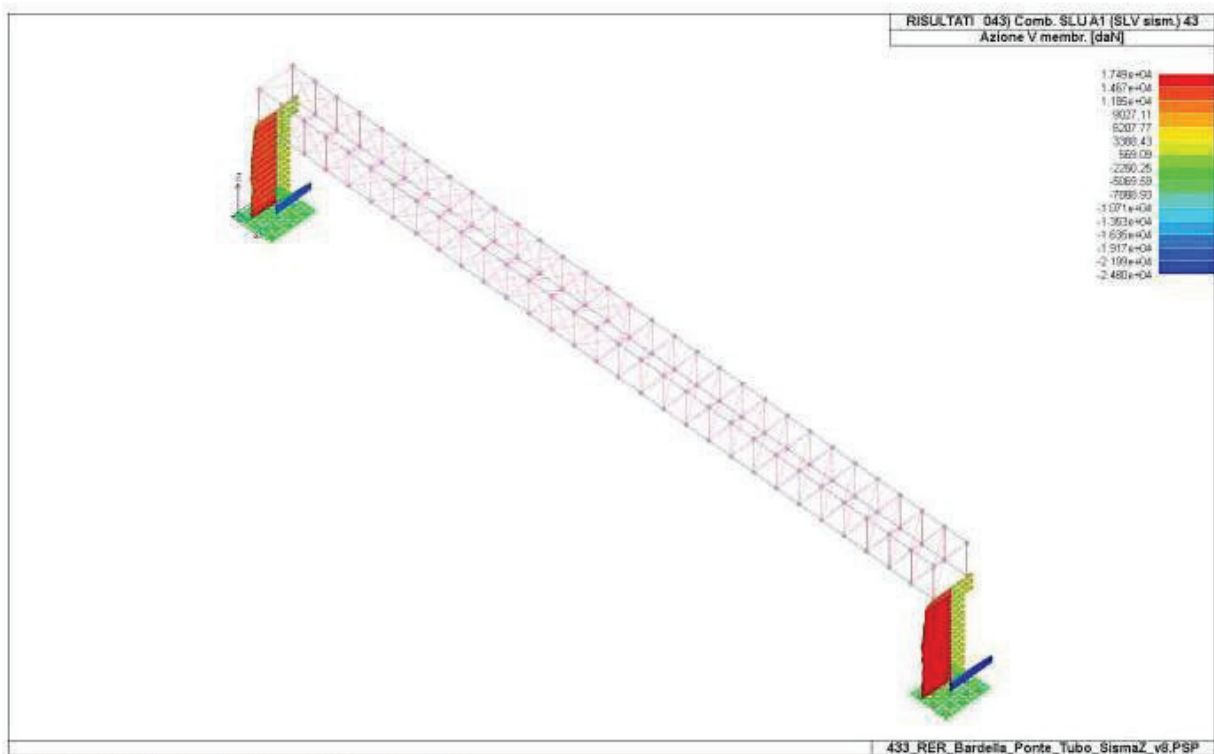
47_RIS_V_002_Comb. SLU A1 2

PONTE-TUBO - RELAZIONE DI CALCOLO

COMMESSA	LOTTO	ELABORATO	DOCUMENTO	REV.	FOGLIO
433	I-1	B_1	519_v3	1	179 di 288



47_RIS_V_038_Comb. SLU A1 (SLV sism.) 38



47_RIS_V_043_Comb. SLU A1 (SLV sism.) 43