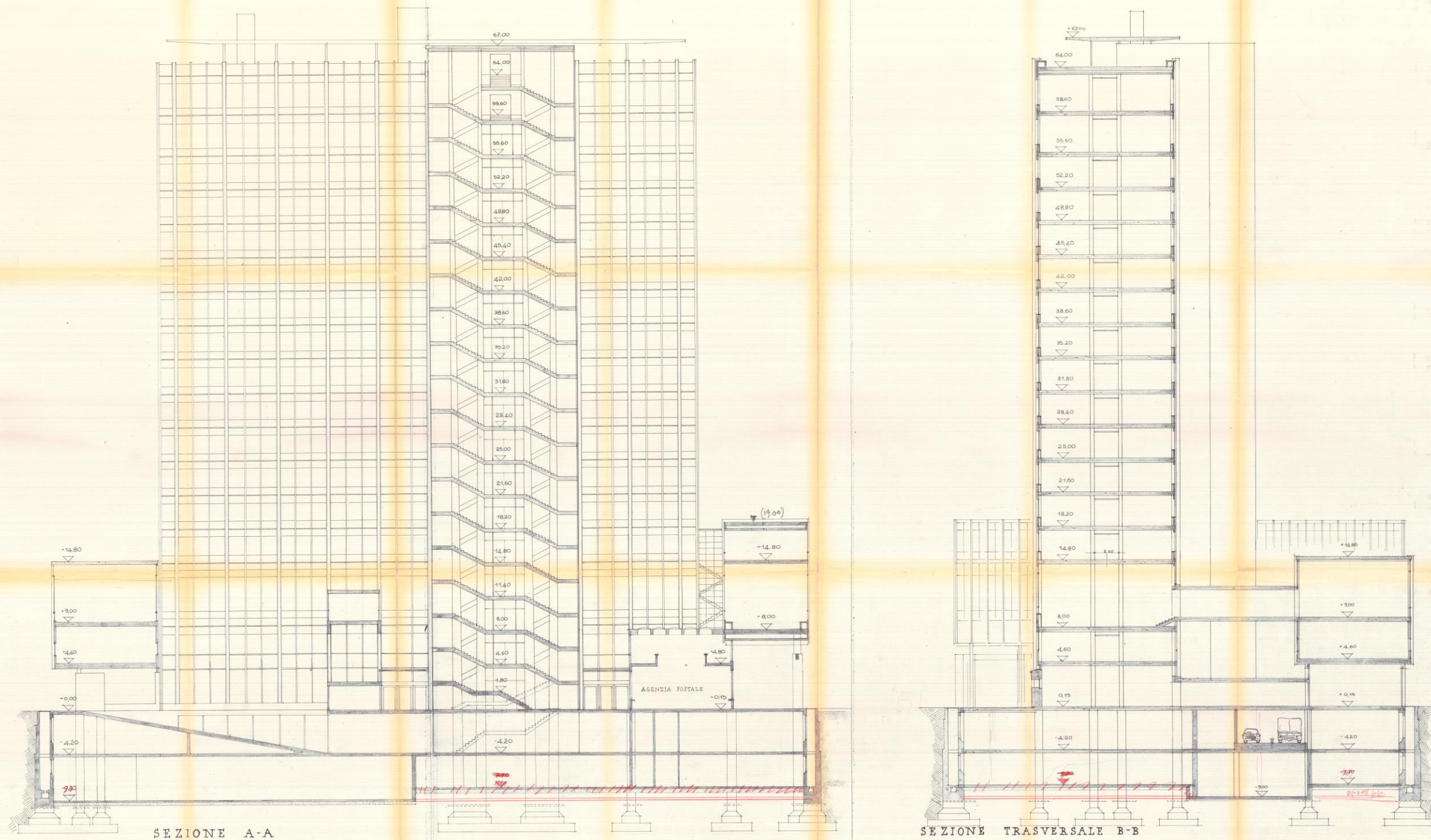
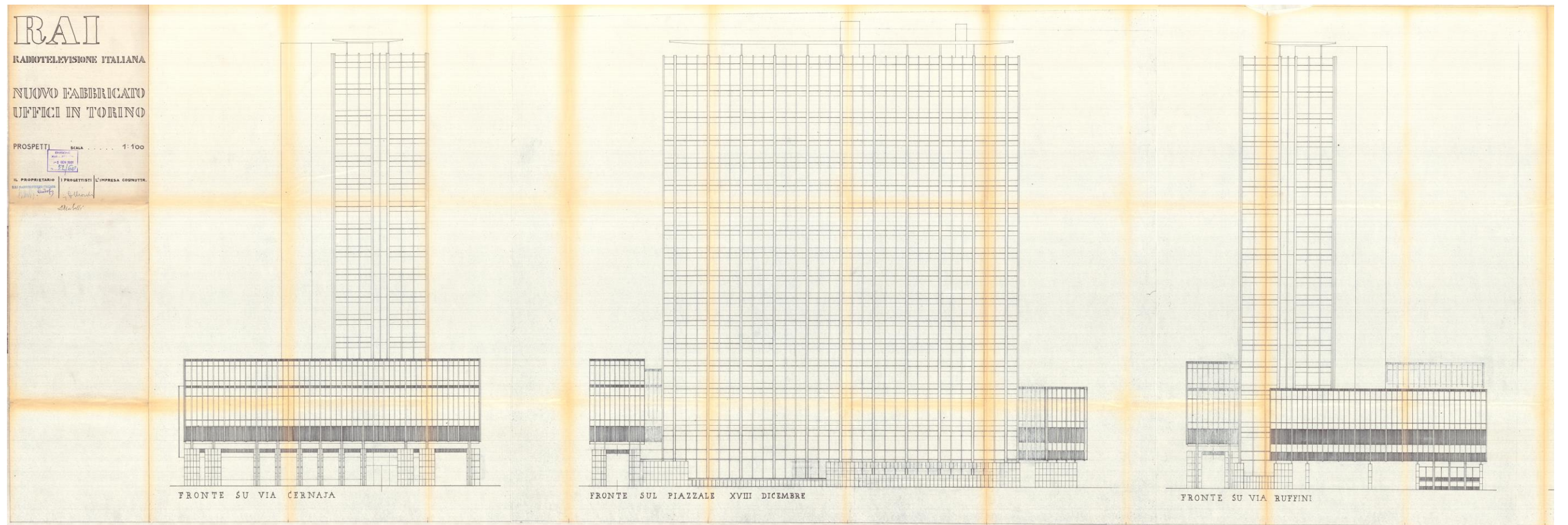


# **ALLEGATO 1**

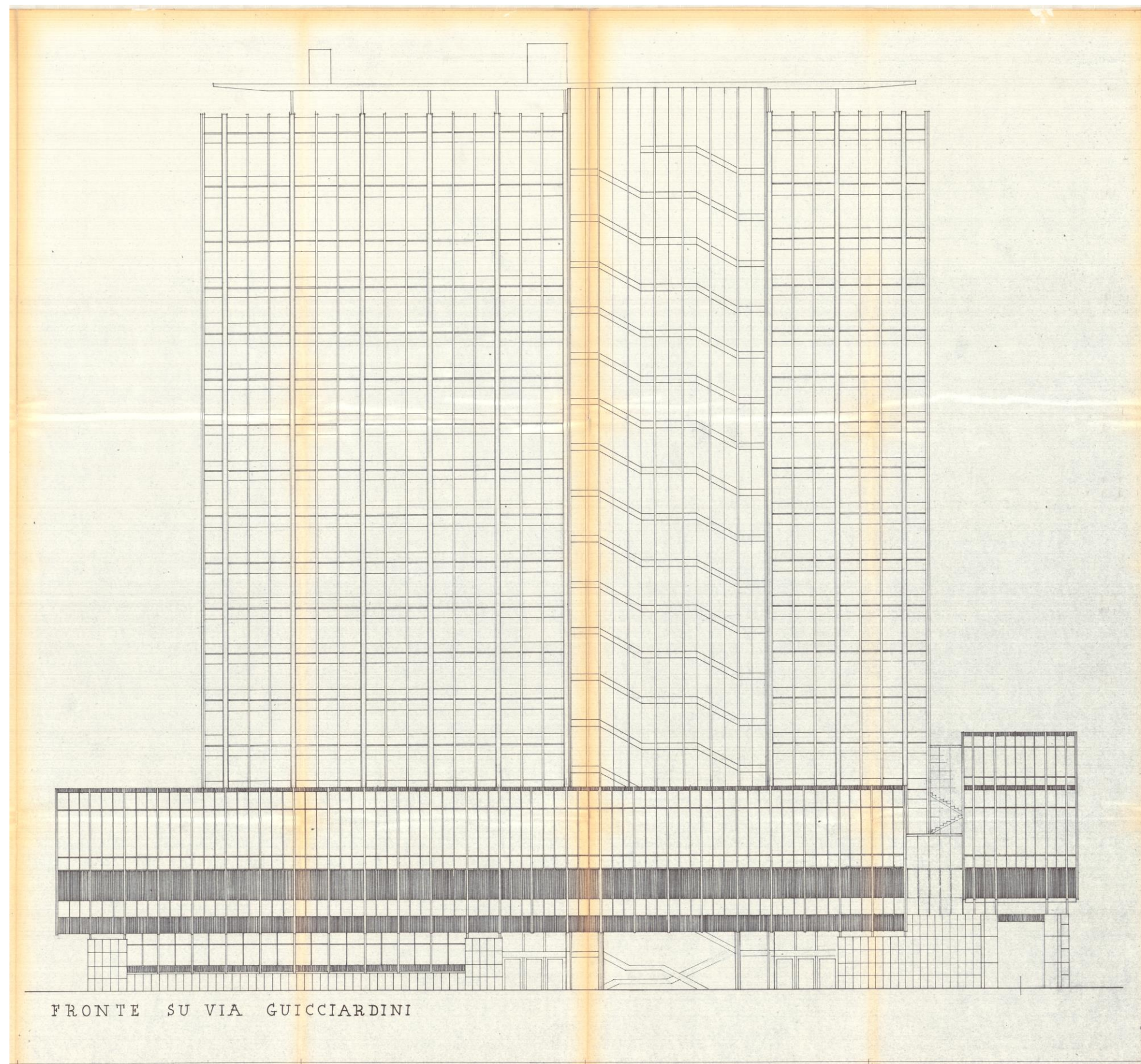






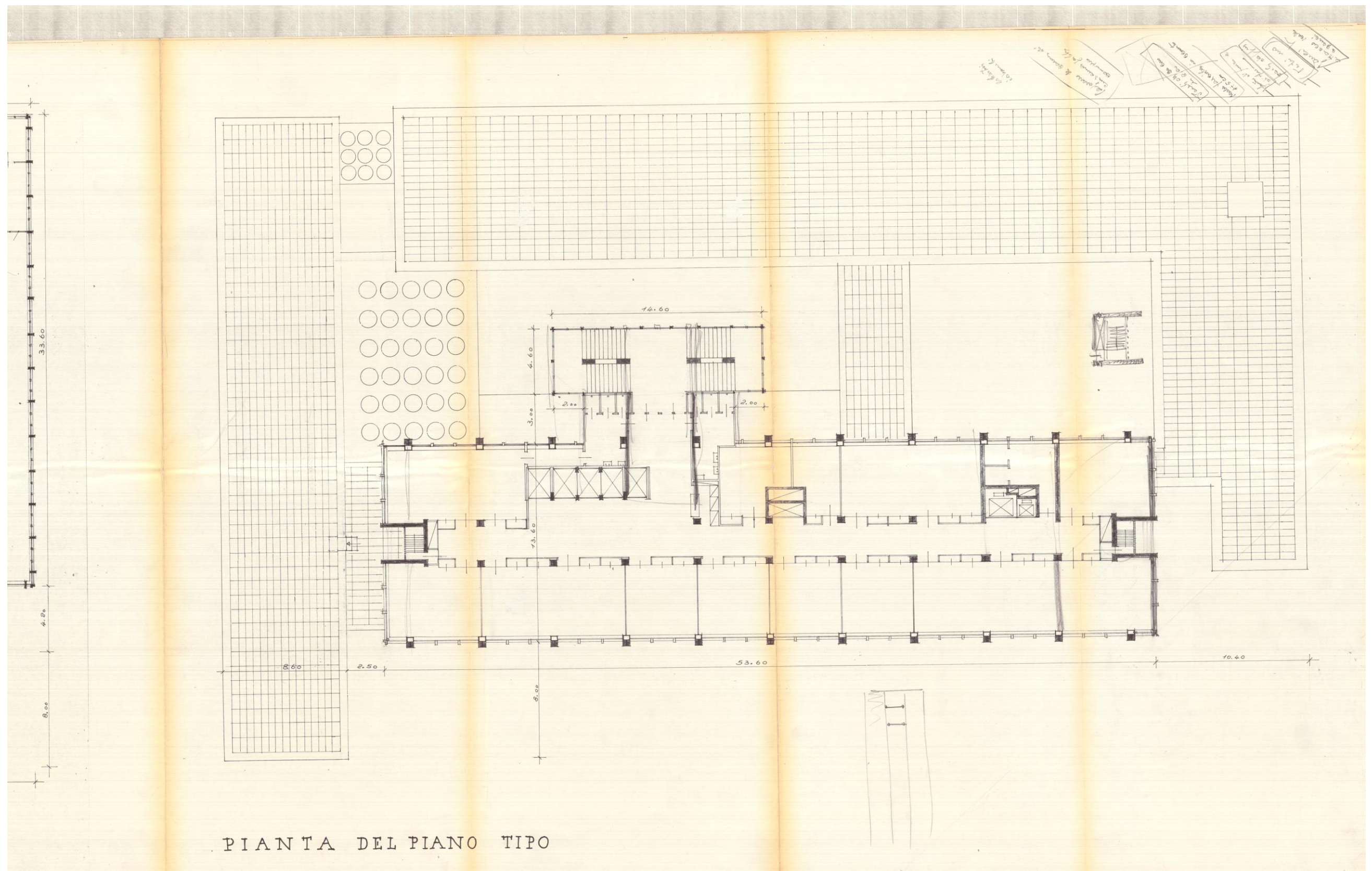
“MRL\_236\_RAI\_1961gennaio5\_Tav52.60Prospetti1” Politecnico di Torino, Biblioteca Centrale di Architettura “Roberto Gabetti”, Sezione Archivi, Fondo “Domenico Morelli”.





“MRL\_236\_RAI\_1961gennaio5\_Tav52.60Prospetti2” Politecnico di Torino, Biblioteca Centrale di Architettura “Roberto Gabetti”, Sezione Archivi, Fondo “Domenico Morelli”.





“MRL\_237\_RAI\_1960dic19\_(3)” Politecnico di Torino, Biblioteca Centrale di Architettura “Roberto Gabetti”, Sezione Archivi, Fondo “Domenico Morelli”.

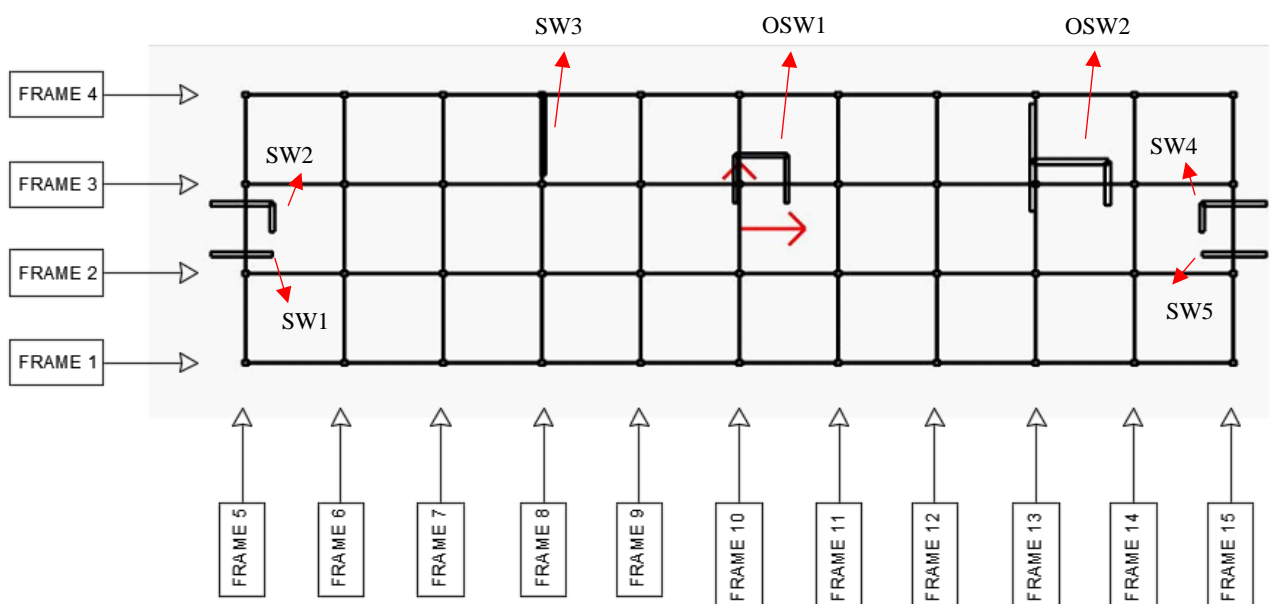






## **ALLEGATO 2**

Schema descrittivo per allegato 2.





%%  
 %%%

%%  
 %%%

%% %%

%% Ta.Bu. %%

%% Tall Building Structural system %%

%% Static and Dynamic Analysis %%

%% Version 1.2 - November 2018 %%

%% %%

%% Politecnico di Torino %%

%% Department of Structural, Geotechnical %%

%% and Building Engineering (DISEG) %%

%% %%

%% Authors: %%

%% Alberto Carpinteri %%

%% Giuseppe Lacidogna %%

%% Sandro Cammarano %%

%% Giuseppe Nitti %%

%% %%

%%  
 %%%

%%  
 %%%

Risultati relativi al progetto: nuovo\_progetto\_1.mat

Questo file è stato creato il giorno 7 Jun. 2020 alle ore 16:39:15

\*\*\*\*\*



Descrizione della struttura

Numero di SHEARWALLS = 5

Numero di OPENSHEARWALLS = 2

Numero di TELAI = 15

Numero totale di piani = 19

\*\*\*\*\*

Geometria della struttura

SHEARWALL no. 1

-----

Numero di piani di questo elemento: 19

Coordinate del baricentro della sezione:

XG = -25.21 m

YG = -1.29 m

Momenti di inerzia:

Jx = 4.049479e-03 m<sup>4</sup>

Jy = 6.266715e-01 m<sup>4</sup>

Angolo di rotazione degli assi principali

OMEGA = 0.00 DEG

Fattore di rigidezza torsionale:

Jt = 1.619792e-02 m<sup>4</sup>



SHEARWALL no. 2

-----

Numero di piani di questo elemento: 19

Coordinate del baricentro della sezione:

$$XG = -24.72 \text{ m}$$

$$YG = 1.04 \text{ m}$$

Momenti di inerzia:

$$Jx = 1.166503e-01 \text{ m}^4$$

$$Jy = 1.281852e+00 \text{ m}^4$$

Angolo di rotazione degli assi principali

$$OMEGA = -13.75 \text{ DEG}$$

Fattore di rigidezza torsionale:

$$Jt = 2.359375e-02 \text{ m}^4$$

SHEARWALL no. 3

-----

Numero di piani di questo elemento: 19

Coordinate del baricentro della sezione:

$$XG = 25.21 \text{ m}$$

$$YG = -1.29 \text{ m}$$

Momenti di inerzia:

$$Jx = 4.049479e-03 \text{ m}^4$$

$$Jy = 6.266715e-01 \text{ m}^4$$

Angolo di rotazione degli assi principali

$$OMEGA = 0.00 \text{ DEG}$$

Fattore di rigidezza torsionale:

$$Jt = 1.619792e-02 \text{ m}^4$$



SHEARWALL no. 4

-----

Numero di piani di questo elemento: 19

Coordinate del baricentro della sezione:

$$XG = 24.72 \text{ m}$$

$$YG = 1.04 \text{ m}$$

Momenti di inerzia:

$$Jx = 1.166503e-01 \text{ m}^4$$

$$Jy = 1.281852e+00 \text{ m}^4$$

Angolo di rotazione degli assi principali

$$OMEGA = 13.75 \text{ DEG}$$

Fattore di rigidezza torsionale:

$$Jt = 2.359375e-02 \text{ m}^4$$

SHEARWALL no. 5

-----

Numero di piani di questo elemento: 19

Coordinate del baricentro della sezione:

$$XG = -9.93 \text{ m}$$

$$YG = 4.69 \text{ m}$$

Momenti di inerzia:

$$Jx = 1.066667e+00 \text{ m}^4$$

$$Jy = 2.666667e-03 \text{ m}^4$$

Angolo di rotazione degli assi principali

$$OMEGA = 0.00 \text{ DEG}$$

Fattore di rigidezza torsionale:

$$Jt = 1.066667e-02 \text{ m}^4$$

OPEN SHEARWALL no. 1

-----

Numero di piani di questo elemento: 19

Coordinate del baricentro della sezione:

$$XG = 1.10 \text{ m}$$

$$YG = 2.92 \text{ m}$$

Coordinate del centro di taglio della sezione:

$$XC = 1.10 \text{ m}$$

$$YC = 4.72 \text{ m}$$

Momenti di inerzia:

$$Jx = 9.465081e-01 \text{ m}^4$$

$$Jy = 1.915333e+00 \text{ m}^4$$

$$Jxy = 0.000000e+00 \text{ m}^4$$

Angolo di rotazione degli assi principali

$$OMEGA = 0.00 \text{ DEG}$$

Momenti di inerzia settoriali:

$$Jomega = 1.136062e+00 \text{ m}^6$$

$$Jxomega = 0.000000e+00 \text{ m}^5$$

$$Jyomega = 0.000000e+00 \text{ m}^5$$

Fattore di rigidezza torsionale:

$$Jt = 1.973333e-02 \text{ m}^4$$



OPEN SHEARWALL no. 2

-----

Numero di piani di questo elemento: 19

Coordinate del baricentro della sezione:

$$XG = 16.21 \text{ m}$$

$$YG = 3.27 \text{ m}$$

Coordinate del centro di taglio della sezione:

$$XC = 15.29 \text{ m}$$

$$YC = 4.02 \text{ m}$$

Momenti di inerzia:

$$Jx = 3.949618e+00 \text{ m}^4$$

$$Jy = 9.658406e+00 \text{ m}^4$$

$$Jxy = 0.000000e+00 \text{ m}^4$$

Angolo di rotazione degli assi principali

$$OMEGA = -25.58 \text{ DEG}$$

Momenti di inerzia settoriali:

$$Jomega = 6.884352e+00 \text{ m}^6$$

$$Jxomega = 0.000000e+00 \text{ m}^5$$

$$Jyomega = 0.000000e+00 \text{ m}^5$$

Fattore di rigidezza torsionale:

$$Jt = 1.024200e-01 \text{ m}^4$$

FRAME no. 1

-----

Numero di piani di questo elemento: 18

Coordinate del centro del telaio:

$X = 0.00 \text{ m}$

$Y = -6.75 \text{ m}$

FRAME no. 2

-----

Numero di piani di questo elemento: 19

Coordinate del centro del telaio:

$X = 0.00 \text{ m}$

$Y = -2.25 \text{ m}$

FRAME no. 3

-----

Numero di piani di questo elemento: 19

Coordinate del centro del telaio:

$X = 0.00 \text{ m}$

$Y = 2.25 \text{ m}$

FRAME no. 4

-----

Numero di piani di questo elemento: 19

Coordinate del centro del telaio:

$X = 0.00 \text{ m}$

$Y = 6.75 \text{ m}$



FRAME no. 5

-----

Numero di piani di questo elemento: 19

Coordinate del centro del telaio:

$X = -25.00 \text{ m}$

$Y = 0.00 \text{ m}$

FRAME no. 6

-----

Numero di piani di questo elemento: 19

Coordinate del centro del telaio:

$X = -20.00 \text{ m}$

$Y = 0.00 \text{ m}$

FRAME no. 7

-----

Numero di piani di questo elemento: 19

Coordinate del centro del telaio:

$X = -15.00 \text{ m}$

$Y = 0.00 \text{ m}$

FRAME no. 8

-----

Numero di piani di questo elemento: 19

Coordinate del centro del telaio:

$X = -10.00 \text{ m}$

$Y = 0.00 \text{ m}$

FRAME no. 9

-----

Numero di piani di questo elemento: 19

Coordinate del centro del telaio:

$X = -5.00 \text{ m}$

$Y = 0.00 \text{ m}$

FRAME no. 10

-----

Numero di piani di questo elemento: 19

Coordinate del centro del telaio:

$X = 0.00 \text{ m}$

$Y = 0.00 \text{ m}$

FRAME no. 11

-----

Numero di piani di questo elemento: 19

Coordinate del centro del telaio:

$X = 5.00 \text{ m}$

$Y = 0.00 \text{ m}$

FRAME no. 12

-----

Numero di piani di questo elemento: 19

Coordinate del centro del telaio:

$X = 10.00 \text{ m}$

$Y = 0.00 \text{ m}$



FRAME no. 13

-----

Numero di piani di questo elemento: 19

Coordinate del centro del telaio:

X = 15.00 m

Y = 0.00 m

FRAME no. 14

-----

Numero di piani di questo elemento: 19

Coordinate del centro del telaio:

X = 20.00 m

Y = 0.00 m

FRAME no. 15

-----

Numero di piani di questo elemento: 19

Coordinate del centro del telaio:

X = 25.00 m

Y = 0.00 m

\*\*\*\*\*

Spostamenti dell'origine del sistema di riferimento:

piano	quota	delta x [m]	delta y [m]	rotazioni [rad]
19	72.21	2.118459e-03	5.468283e-02	-1.321945e-03
18	66.21	1.830495e-03	4.924542e-02	-1.210048e-03
17	62.21	1.641194e-03	4.559442e-02	-1.133853e-03
16	58.21	1.455694e-03	4.191405e-02	-1.055653e-03
15	54.71	1.297897e-03	3.866948e-02	-9.852681e-04
14	51.21	1.145314e-03	3.540530e-02	-9.128840e-04
13	47.71	9.990607e-04	3.212885e-02	-8.384853e-04
12	44.21	8.601186e-04	2.885210e-02	-7.622344e-04
11	40.71	7.294065e-04	2.559154e-02	-6.844635e-04
10	37.21	6.077776e-04	2.236820e-02	-6.056751e-04
9	33.71	4.960099e-04	1.920766e-02	-5.265448e-04
8	30.21	3.947935e-04	1.614004e-02	-4.479253e-04
7	26.71	3.047145e-04	1.320011e-02	-3.708515e-04
6	23.21	2.262336e-04	1.042729e-02	-2.965477e-04
5	19.71	1.596616e-04	7.865798e-03	-2.264360e-04
4	16.21	1.051304e-04	5.564700e-03	-1.621461e-04
3	12.71	6.255918e-05	3.578053e-03	-1.055267e-04
2	9.21	3.161642e-05	1.965001e-03	-5.865692e-05
1	5.45	1.057640e-05	7.221117e-04	-2.183515e-05
0	0.00	0.0000000	0.0000000	0.0000000

\*\*\*\*\*

## Carichi orizzontali agenti sull'intera struttura

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]	
19		72.21	0	2.090000e+01	0
18		66.21	0	2.090000e+01	0
17		62.21	0	2.050000e+01	0
16		58.21	0	1.760000e+01	0
15		54.71	0	1.730000e+01	0
14		51.21	0	1.690000e+01	0
13		47.71	0	1.650000e+01	0
12		44.21	0	1.610000e+01	0
11		40.71	0	1.570000e+01	0
10		37.21	0	1.520000e+01	0
9		33.71	0	1.470000e+01	0
8		30.21	0	1.410000e+01	0
7		26.71	0	1.350000e+01	0
6		23.21	0	1.280000e+01	0
5		19.71	0	12	0
4		16.21	0	1.110000e+01	0
3		12.71	0	10	0
2		9.21	0	1.050000e+01	0
1		5.45	0	1.520000e+01	0

\*\*\*\*\*



Carichi ripartiti sui singoli elementi ridotti all'origine del sistema di riferimento globale

## SHEARWALL no. 1

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	9.549740e-01	-8.820566e-02	-3.789726e-01
18	66.21	-3.654044e-01	5.100813e-02	-1.839152e+00
17	62.21	2.486101e-01	1.614116e-02	-1.891608e-01
16	58.21	-3.732940e-01	1.637898e-02	-1.009489e+00
15	54.71	1.537793e-01	2.573894e-02	-5.678257e-01
14	51.21	-2.757898e-01	2.937372e-02	-1.214468e+00
13	47.71	-9.822396e-02	2.699822e-02	-9.159963e-01
12	44.21	-1.467780e-01	2.756894e-02	-9.735064e-01
11	40.71	-1.411305e-01	2.770409e-02	-9.401068e-01
10	37.21	-1.524761e-01	2.809713e-02	-9.249616e-01
9	33.71	-1.633210e-01	2.870489e-02	-9.041905e-01
8	30.21	-1.774945e-01	2.941351e-02	-8.795394e-01
7	26.71	-1.950586e-01	3.039522e-02	-8.550287e-01
6	23.21	-2.148041e-01	3.146698e-02	-8.239808e-01
5	19.71	-2.394344e-01	3.271855e-02	-7.915667e-01
4	16.21	-2.590518e-01	3.385094e-02	-7.368346e-01
3	12.71	-3.119797e-01	3.589464e-02	-7.344817e-01
2	9.21	-3.646378e-01	4.058467e-02	-7.535426e-01
1	5.45	-3.416737e-01	6.593580e-02	-9.130154e-01

## SHEARWALL no. 2

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	6.173964e+00	-4.013514e+00	8.721442e+01
18	66.21	-3.335089e+00	2.271485e+00	-5.280523e+01
17	62.21	-4.331200e-01	5.828136e-01	-1.410647e+01
16	58.21	-1.567634e+00	8.393026e-01	-1.928685e+01
15	54.71	-1.089806e+00	1.016237e+00	-2.415936e+01
14	51.21	-2.054640e+00	1.337882e+00	-3.110999e+01
13	47.71	-1.609875e+00	1.168494e+00	-2.737065e+01
12	44.21	-1.726023e+00	1.211203e+00	-2.827739e+01
11	40.71	-1.721323e+00	1.214212e+00	-2.831365e+01
10	37.21	-1.760176e+00	1.234557e+00	-2.871840e+01
9	33.71	-1.808895e+00	1.263536e+00	-2.931121e+01
8	30.21	-1.868316e+00	1.297896e+00	-3.001031e+01
7	26.71	-1.947627e+00	1.344852e+00	-3.098393e+01
6	23.21	-2.034980e+00	1.396279e+00	-3.204277e+01
5	19.71	-2.139834e+00	1.456959e+00	-3.329440e+01
4	16.21	-2.228995e+00	1.510586e+00	-3.436929e+01
3	12.71	-2.424096e+00	1.614940e+00	-3.656835e+01
2	9.21	-2.758461e+00	1.829741e+00	-4.128745e+01
1	5.45	-4.015712e+00	2.870027e+00	-6.504117e+01

## SHEARWALL no. 3

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	9.549740e-01	1.796144e-02	-2.149478e+00
18	66.21	-3.654044e-01	-1.610098e-03	-5.940749e-01
17	62.21	2.486101e-01	5.317100e-03	3.516947e-01
16	58.21	-3.732940e-01	-5.132810e-04	-6.095941e-01
15	54.71	1.537793e-01	3.535708e-03	1.700418e-01
14	51.21	-2.757898e-01	-4.276644e-04	-4.848826e-01
13	47.71	-9.822396e-02	1.169499e-03	-2.060290e-01
12	44.21	-1.467780e-01	6.379893e-04	-2.625509e-01
11	40.71	-1.411305e-01	5.855521e-04	-2.270664e-01
10	37.21	-1.524761e-01	3.389202e-04	-2.082310e-01
9	33.71	-1.633210e-01	7.063011e-05	-1.789034e-01
8	30.21	-1.774945e-01	-2.663164e-04	-1.448843e-01
7	26.71	-1.950586e-01	-6.634511e-04	-1.056394e-01
6	23.21	-2.148041e-01	-1.120398e-03	-5.909527e-02
5	19.71	-2.394344e-01	-1.668234e-03	-8.943464e-03
4	16.21	-2.590518e-01	-2.200567e-03	6.091311e-02
3	12.71	-3.119797e-01	-3.148480e-03	9.088524e-02
2	9.21	-3.646378e-01	-3.935560e-03	1.701982e-01
1	5.45	-3.416737e-01	-4.966413e-03	6.237181e-01



## SHEARWALL no. 4

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	1.506396e+00	8.475918e-01	1.380287e+01
18	66.21	-5.270242e-02	-4.510493e-02	-1.179825e+00
17	62.21	9.927326e-01	3.843148e-01	8.319353e+00
16	58.21	-5.133947e-01	-1.242322e-01	-2.705765e+00
15	54.71	8.554275e-01	3.031782e-01	6.435294e+00
14	51.21	-1.312407e-01	-3.327749e-02	-8.587491e-01
13	47.71	2.618055e-01	1.010307e-01	2.067153e+00
12	44.21	1.482634e-01	6.008938e-02	1.201393e+00
11	40.71	1.584587e-01	6.080817e-02	1.251582e+00
10	37.21	1.293352e-01	4.706211e-02	9.998358e-01
9	33.71	1.031731e-01	3.338309e-02	7.618113e-01
8	30.21	6.844930e-02	1.577444e-02	4.511466e-01
7	26.71	2.798169e-02	-4.835067e-03	8.845941e-02
6	23.21	-1.851923e-02	-2.855192e-02	-3.278476e-01
5	19.71	-7.661087e-02	-5.751410e-02	-8.440116e-01
4	16.21	-1.258992e-01	-8.409705e-02	-1.291786e+00
3	12.71	-2.481887e-01	-1.390640e-01	-2.345658e+00
2	9.21	-3.232112e-01	-1.779578e-01	-2.985819e+00
1	5.45	3.556484e-02	-1.221235e-01	-1.322649e+00

## SHEARWALL no. 5

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	-4.229930e-03	-1.476019e+01	1.440637e+02
18	66.21	2.555558e-03	9.236151e+00	-9.178104e+01
17	62.21	1.903467e-03	3.387775e+00	-3.371738e+01
16	58.21	-2.688744e-04	2.966075e+00	-2.952766e+01
15	54.71	2.388859e-03	5.007662e+00	-4.981463e+01
14	51.21	1.154475e-03	5.358633e+00	-5.329456e+01
13	47.71	1.599730e-03	5.049991e+00	-5.022556e+01
12	44.21	1.479224e-03	5.112347e+00	-5.083134e+01
11	40.71	1.517909e-03	5.132975e+00	-5.101692e+01
10	37.21	1.519601e-03	5.185448e+00	-5.151185e+01
9	33.71	1.541889e-03	5.275615e+00	-5.237433e+01
8	30.21	1.563255e-03	5.378818e+00	-5.335920e+01
7	26.71	1.596228e-03	5.527353e+00	-5.478696e+01
6	23.21	1.631625e-03	5.687646e+00	-5.632382e+01
5	19.71	1.667383e-03	5.873698e+00	-5.810844e+01
4	16.21	1.713951e-03	6.039106e+00	-5.967967e+01
3	12.71	1.722428e-03	6.338653e+00	-6.257377e+01
2	9.21	1.926217e-03	7.136881e+00	-7.039111e+01
1	5.45	4.084857e-03	1.170886e+01	-1.155047e+02

## OPEN SHEARWALL no. 1

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	-3.064515e+00	-7.667802e+00	1.939003e+00
18	66.21	1.848598e+00	5.504671e+00	-3.056599e+00
17	62.21	1.369853e+00	2.452575e+00	-3.948797e+00
16	58.21	-1.889236e-01	1.768034e+00	2.601648e+00
15	54.71	1.721312e+00	3.308022e+00	-4.746349e+00
14	51.21	8.366034e-01	3.230866e+00	-7.018783e-01
13	47.71	1.155421e+00	3.160165e+00	-2.249616e+00
12	44.21	1.069141e+00	3.159126e+00	-1.826188e+00
11	40.71	1.096974e+00	3.167836e+00	-1.912958e+00
10	37.21	1.098348e+00	3.181684e+00	-1.859415e+00
9	33.71	1.114573e+00	3.216889e+00	-1.841083e+00
8	30.21	1.130179e+00	3.254993e+00	-1.804527e+00
7	26.71	1.154205e+00	3.316279e+00	-1.770493e+00
6	23.21	1.180008e+00	3.380333e+00	-1.728477e+00
5	19.71	1.206138e+00	3.453400e+00	-1.664732e+00
4	16.21	1.239999e+00	3.515036e+00	-1.633621e+00
3	12.71	1.246831e+00	3.627840e+00	-1.409606e+00
2	9.21	1.394563e+00	4.056035e+00	-1.462299e+00
1	5.45	2.951558e+00	6.763737e+00	-5.426104e+00



## OPEN SHEARWALL no. 2

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	-9.054488e+00	-8.623516e-01	2.596832e+00
18	66.21	1.963891e+00	9.072987e+00	1.285131e+02
17	62.21	1.743275e+00	7.711129e+00	1.098577e+02
16	58.21	-2.882124e+00	3.825377e+00	6.878666e+01
15	54.71	2.738029e+00	7.954838e+00	1.091049e+02
14	51.21	-9.758808e-02	5.982439e+00	9.010138e+01
13	47.71	1.000816e+00	6.592354e+00	9.519929e+01
12	44.21	7.543448e-01	6.311189e+00	9.197894e+01
11	40.71	8.822987e-01	6.261060e+00	9.087789e+01
10	37.21	9.361585e-01	6.114721e+00	8.865319e+01
9	33.71	1.036138e+00	5.983682e+00	8.653451e+01
8	30.21	1.147787e+00	5.810920e+00	8.379304e+01
7	26.71	1.284561e+00	5.637548e+00	8.100016e+01
6	23.21	1.441603e+00	5.425686e+00	7.760568e+01
5	19.71	1.612892e+00	5.168885e+00	7.353482e+01
4	16.21	1.828827e+00	4.888486e+00	6.900926e+01
3	12.71	1.969700e+00	4.458094e+00	6.253367e+01
2	9.21	2.313696e+00	4.687387e+00	6.552637e+01
1	5.45	6.248567e+00	8.228198e+00	1.057770e+02

## FRAME no. 1

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	0	0	0
18	66.21	5.327552e-01	-4.730002e-05	3.596098e+00
17	62.21	-4.477043e+00	4.774835e-04	-3.022005e+01
16	58.21	5.469164e+00	-5.882031e-04	3.691687e+01
15	54.71	-4.529289e+00	4.654299e-04	-3.057271e+01
14	51.21	1.960530e+00	-2.151020e-04	1.323358e+01
13	47.71	-6.305672e-01	5.639927e-05	-4.256330e+00
12	44.21	4.211320e-02	-1.431812e-05	2.842643e-01
11	40.71	-1.197268e-01	2.852792e-06	-8.081562e-01
10	37.21	-6.049854e-02	-2.837698e-06	-4.083652e-01
9	33.71	-5.181846e-02	-2.878260e-06	-3.497746e-01
8	30.21	-2.387156e-02	-4.587735e-06	-1.611330e-01
7	26.71	7.433185e-03	-6.189410e-06	5.017408e-02
6	23.21	3.954905e-02	-7.729351e-06	2.669562e-01
5	19.71	1.013211e-01	-1.082771e-05	6.839179e-01
4	16.21	7.832433e-02	-8.757739e-06	5.286894e-01
3	12.71	4.182691e-01	-2.778593e-05	2.823317e+00
2	9.21	5.091121e-01	-2.653420e-05	3.436508e+00
1	5.45	-3.744280e+00	1.863068e-04	-2.527389e+01

## FRAME no. 2

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]	
19		72.21	6.257172e-02	3.212817e-05	1.407858e-01
18		66.21	-2.653104e-02	-3.930336e-06	-5.969479e-02
17		62.21	3.036913e-03	4.800776e-06	6.832945e-03
16		58.21	-2.314636e-02	5.685025e-06	-5.207945e-02
15		54.71	-8.263374e-03	1.964403e-07	-1.859262e-02
14		51.21	-2.397025e-02	1.034388e-06	-5.393311e-02
13		47.71	-1.876772e-02	6.300150e-07	-4.222742e-02
12		44.21	-2.056958e-02	5.044905e-07	-4.628160e-02
11		40.71	-2.009522e-02	2.447954e-07	-4.521427e-02
10		37.21	-1.964156e-02	-4.421404e-08	-4.419354e-02
9		33.71	-1.863281e-02	-3.875144e-07	-4.192385e-02
8		30.21	-1.714519e-02	-7.819539e-07	-3.857669e-02
7		26.71	-1.514798e-02	-1.226781e-06	-3.408295e-02
6		23.21	-1.256218e-02	-1.723635e-06	-2.826489e-02
5		19.71	-9.322219e-03	-2.284635e-06	-2.097496e-02
4		16.21	-5.393024e-03	-2.869585e-06	-1.213425e-02
3		12.71	-6.139975e-04	-3.638975e-06	-1.381415e-03
2		9.21	3.154307e-03	-4.327358e-06	7.097291e-03
1		5.45	3.479444e-02	-8.990449e-06	7.828773e-02



## FRAME no. 3

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	3.296707e-01	3.212817e-05	-7.417596e-01
18	66.21	-4.617187e-02	-3.930336e-06	1.038867e-01
17	62.21	5.217562e-02	4.800776e-06	-1.173953e-01
16	58.21	4.310727e-02	5.685025e-06	-9.699151e-02
15	54.71	4.302577e-03	1.964403e-07	-9.680826e-03
14	51.21	1.332453e-03	1.034388e-06	-2.998076e-03
13	47.71	1.503613e-03	6.300150e-07	-3.383175e-03
12	44.21	-9.104027e-04	5.044905e-07	2.048362e-03
11	40.71	-3.155049e-03	2.447954e-07	7.098822e-03
10	37.21	-5.914306e-03	-4.421404e-08	1.330716e-02
9	33.71	-9.000203e-03	-3.875144e-07	2.025044e-02
8	30.21	-1.247008e-02	-7.819539e-07	2.805766e-02
7	26.71	-1.629191e-02	-1.226781e-06	3.665680e-02
6	23.21	-2.045364e-02	-1.723635e-06	4.602072e-02
5	19.71	-2.508341e-02	-2.284635e-06	5.643770e-02
4	16.21	-2.965310e-02	-2.869585e-06	6.671953e-02
3	12.71	-3.616472e-02	-3.638975e-06	8.137070e-02
2	9.21	-4.182156e-02	-4.327358e-06	9.409861e-02
1	5.45	-7.411824e-02	-8.990449e-06	1.667663e-01

## FRAME no. 4

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.140656e+00	1.126419e-04	-1.444943e+01
18	66.21	-1.564923e-01	-9.094716e-06	1.056323e+00
17	62.21	2.499627e-01	1.213165e-05	-1.687248e+00
16	58.21	4.098070e-01	2.052170e-05	-2.766198e+00
15	54.71	-1.659959e-03	-1.412038e-06	1.120469e-02
14	51.21	5.939933e-02	1.967633e-06	-4.009456e-01
13	47.71	3.451320e-02	5.068223e-07	-2.329642e-01
12	44.21	2.571836e-02	7.336456e-08	-1.735990e-01
11	40.71	7.314236e-03	-8.525842e-07	-4.937116e-02
10	37.21	-1.417686e-02	-1.884524e-06	9.569374e-02
9	33.71	-4.043610e-02	-3.120156e-06	2.729437e-01
8	30.21	-7.118525e-02	-4.539171e-06	4.805005e-01
7	26.71	-1.065903e-01	-6.148623e-06	7.194848e-01
6	23.21	-1.466659e-01	-7.946819e-06	9.899952e-01
5	19.71	-1.922977e-01	-9.967920e-06	1.298010e+00
4	16.21	-2.408192e-01	-1.210083e-05	1.625530e+00
3	12.71	-3.034966e-01	-1.480137e-05	2.048602e+00
2	9.21	-3.696796e-01	-1.776278e-05	2.495338e+00
1	5.45	-7.571091e-01	-3.546643e-05	5.110487e+00

## FRAME no. 5

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.450368e-06	6.420921e+00	-1.605230e+02
18	66.21	-3.782090e-07	-6.358312e-01	1.589578e+01
17	62.21	2.714525e-07	8.558496e-01	-2.139624e+01
16	58.21	2.125287e-07	1.230472e+00	-3.076180e+01
15	54.71	-8.228869e-08	2.395929e-02	-5.989823e-01
14	51.21	-1.159257e-07	2.287253e-01	-5.718133e+00
13	47.71	-1.161632e-07	1.432824e-01	-3.582061e+00
12	44.21	-1.344920e-07	1.204937e-01	-3.012342e+00
11	40.71	-1.477185e-07	6.519367e-02	-1.629842e+00
10	37.21	-1.611728e-07	1.523383e-03	-3.808459e-02
9	33.71	-1.734195e-07	-7.664217e-02	1.916054e+00
8	30.21	-1.844554e-07	-1.683710e-01	4.209275e+00
7	26.71	-1.939878e-07	-2.740940e-01	6.852349e+00
6	23.21	-2.015197e-07	-3.940255e-01	9.850637e+00
5	19.71	-2.069654e-07	-5.311310e-01	1.327828e+01
4	16.21	-2.084466e-07	-6.767240e-01	1.691810e+01
3	12.71	-2.108774e-07	-8.671545e-01	2.167886e+01
2	9.21	-2.173889e-07	-1.053068e+00	2.632669e+01
1	5.45	-2.488678e-07	-2.225666e+00	5.564164e+01

## FRAME no. 6

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.450368e-06	5.999034e+00	-1.199807e+02
18	66.21	-3.782090e-07	-6.030199e-01	1.206040e+01
17	62.21	2.714525e-07	7.930330e-01	-1.586066e+01
16	58.21	2.125287e-07	1.135471e+00	-2.270942e+01
15	54.71	-8.228869e-08	1.335515e-02	-2.671030e-01
14	51.21	-1.159257e-07	2.010661e-01	-4.021323e+00
13	47.71	-1.161632e-07	1.218939e-01	-2.437879e+00
12	44.21	-1.344920e-07	1.003559e-01	-2.007118e+00
11	40.71	-1.477185e-07	4.915160e-02	-9.830320e-01
10	37.21	-1.611728e-07	-9.543176e-03	1.908635e-01
9	33.71	-1.734195e-07	-8.134780e-02	1.626956e+00
8	30.21	-1.844554e-07	-1.653793e-01	3.307586e+00
7	26.71	-1.939878e-07	-2.620191e-01	5.240382e+00
6	23.21	-2.015197e-07	-3.714335e-01	7.428670e+00
5	19.71	-2.069654e-07	-4.962948e-01	9.925897e+00
4	16.21	-2.084466e-07	-6.286654e-01	1.257331e+01
3	12.71	-2.108774e-07	-8.015992e-01	1.603198e+01
2	9.21	-2.173889e-07	-9.709755e-01	1.941951e+01
1	5.45	-2.488678e-07	-2.040711e+00	4.081421e+01

## FRAME no. 7

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.450368e-06	5.577147e+00	-8.365721e+01
18	66.21	-3.782090e-07	-5.702086e-01	8.553129e+00
17	62.21	2.714525e-07	7.302165e-01	-1.095325e+01
16	58.21	2.125287e-07	1.040470e+00	-1.560705e+01
15	54.71	-8.228869e-08	2.751002e-03	-4.126505e-02
14	51.21	-1.159257e-07	1.734069e-01	-2.601104e+00
13	47.71	-1.161632e-07	1.005054e-01	-1.507581e+00
12	44.21	-1.344920e-07	8.021810e-02	-1.203272e+00
11	40.71	-1.477185e-07	3.310953e-02	-4.966430e-01
10	37.21	-1.611728e-07	-2.060973e-02	3.091460e-01
9	33.71	-1.734195e-07	-8.605344e-02	1.290802e+00
8	30.21	-1.844554e-07	-1.623876e-01	2.435814e+00
7	26.71	-1.939878e-07	-2.499442e-01	3.749163e+00
6	23.21	-2.015197e-07	-3.488415e-01	5.232622e+00
5	19.71	-2.069654e-07	-4.614587e-01	6.921880e+00
4	16.21	-2.084466e-07	-5.806068e-01	8.709102e+00
3	12.71	-2.108774e-07	-7.360440e-01	1.104066e+01
2	9.21	-2.173889e-07	-8.888835e-01	1.333325e+01
1	5.45	-2.488678e-07	-1.855756e+00	2.783634e+01



## FRAME no. 8

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.450368e-06	5.155260e+00	-5.155260e+01
18	66.21	-3.782090e-07	-5.373973e-01	5.373973e+00
17	62.21	2.714525e-07	6.674000e-01	-6.674000e+00
16	58.21	2.125287e-07	9.454688e-01	-9.454688e+00
15	54.71	-8.228869e-08	-7.853144e-03	7.853142e-02
14	51.21	-1.159257e-07	1.457478e-01	-1.457478e+00
13	47.71	-1.161632e-07	7.911689e-02	-7.911690e-01
12	44.21	-1.344920e-07	6.008031e-02	-6.008032e-01
11	40.71	-1.477185e-07	1.706747e-02	-1.706747e-01
10	37.21	-1.611728e-07	-3.167629e-02	3.167629e-01
9	33.71	-1.734195e-07	-9.075908e-02	9.075908e-01
8	30.21	-1.844554e-07	-1.593959e-01	1.593959e+00
7	26.71	-1.939878e-07	-2.378693e-01	2.378693e+00
6	23.21	-2.015197e-07	-3.262495e-01	3.262495e+00
5	19.71	-2.069654e-07	-4.266225e-01	4.266225e+00
4	16.21	-2.084466e-07	-5.325482e-01	5.325482e+00
3	12.71	-2.108774e-07	-6.704887e-01	6.704887e+00
2	9.21	-2.173889e-07	-8.067915e-01	8.067915e+00
1	5.45	-2.488678e-07	-1.670801e+00	1.670801e+01

## FRAME no. 9

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.450368e-06	4.733372e+00	-2.366686e+01
18	66.21	-3.782090e-07	-5.045861e-01	2.522930e+00
17	62.21	2.714525e-07	6.045834e-01	-3.022917e+00
16	58.21	2.125287e-07	8.504678e-01	-4.252339e+00
15	54.71	-8.228869e-08	-1.845729e-02	9.228642e-02
14	51.21	-1.159257e-07	1.180886e-01	-5.904429e-01
13	47.71	-1.161632e-07	5.772838e-02	-2.886419e-01
12	44.21	-1.344920e-07	3.994252e-02	-1.997127e-01
11	40.71	-1.477185e-07	1.025400e-03	-5.127030e-03
10	37.21	-1.611728e-07	-4.274285e-02	2.137142e-01
9	33.71	-1.734195e-07	-9.546472e-02	4.773236e-01
8	30.21	-1.844554e-07	-1.564042e-01	7.820212e-01
7	26.71	-1.939878e-07	-2.257944e-01	1.128972e+00
6	23.21	-2.015197e-07	-3.036575e-01	1.518287e+00
5	19.71	-2.069654e-07	-3.917864e-01	1.958932e+00
4	16.21	-2.084466e-07	-4.844897e-01	2.422448e+00
3	12.71	-2.108774e-07	-6.049334e-01	3.024667e+00
2	9.21	-2.173889e-07	-7.246995e-01	3.623498e+00
1	5.45	-2.488678e-07	-1.485846e+00	7.429229e+00

## FRAME no. 10

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.450368e-06	4.311485e+00	-8.437745e-07
18	66.21	-3.782090e-07	-4.717748e-01	6.562256e-08
17	62.21	2.714525e-07	5.417669e-01	-1.256331e-07
16	58.21	2.125287e-07	7.554668e-01	-1.900020e-07
15	54.71	-8.228869e-08	-2.906143e-02	-2.120829e-08
14	51.21	-1.159257e-07	9.042937e-02	-5.531838e-08
13	47.71	-1.161632e-07	3.633986e-02	-4.277703e-08
12	44.21	-1.344920e-07	1.980473e-02	-4.027558e-08
11	40.71	-1.477185e-07	-1.501667e-02	-3.208413e-08
10	37.21	-1.611728e-07	-5.380941e-02	-2.213312e-08
9	33.71	-1.734195e-07	-1.001704e-01	-9.411277e-09
8	30.21	-1.844554e-07	-1.534126e-01	5.983378e-09
7	26.71	-1.939878e-07	-2.137195e-01	2.414978e-08
6	23.21	-2.015197e-07	-2.810655e-01	4.518402e-08
5	19.71	-2.069654e-07	-3.569502e-01	6.967231e-08
4	16.21	-2.084466e-07	-4.364311e-01	9.611716e-08
3	12.71	-2.108774e-07	-5.393781e-01	1.311106e-07
2	9.21	-2.173889e-07	-6.426075e-01	1.641840e-07
1	5.45	-2.488678e-07	-1.300891e+00	3.699100e-07

## FRAME no. 11

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.450368e-06	3.889598e+00	1.944799e+01
18	66.21	-3.782090e-07	-4.389635e-01	-2.194817e+00
17	62.21	2.714525e-07	4.789504e-01	2.394752e+00
16	58.21	2.125287e-07	6.604658e-01	3.302329e+00
15	54.71	-8.228869e-08	-3.966558e-02	-1.983279e-01
14	51.21	-1.159257e-07	6.277018e-02	3.138509e-01
13	47.71	-1.161632e-07	1.495134e-02	7.475667e-02
12	44.21	-1.344920e-07	-3.330553e-04	-1.665317e-03
11	40.71	-1.477185e-07	-3.105873e-02	-1.552937e-01
10	37.21	-1.611728e-07	-6.487597e-02	-3.243799e-01
9	33.71	-1.734195e-07	-1.048760e-01	-5.243800e-01
8	30.21	-1.844554e-07	-1.504209e-01	-7.521043e-01
7	26.71	-1.939878e-07	-2.016446e-01	-1.008223e+00
6	23.21	-2.015197e-07	-2.584734e-01	-1.292367e+00
5	19.71	-2.069654e-07	-3.221141e-01	-1.610570e+00
4	16.21	-2.084466e-07	-3.883725e-01	-1.941862e+00
3	12.71	-2.108774e-07	-4.738229e-01	-2.369114e+00
2	9.21	-2.173889e-07	-5.605155e-01	-2.802577e+00
1	5.45	-2.488678e-07	-1.115936e+00	-5.579678e+00

## FRAME no. 12

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.450368e-06	3.467711e+00	3.467711e+01
18	66.21	-3.782090e-07	-4.061522e-01	-4.061522e+00
17	62.21	2.714525e-07	4.161338e-01	4.161338e+00
16	58.21	2.125287e-07	5.654649e-01	5.654648e+00
15	54.71	-8.228869e-08	-5.026973e-02	-5.026973e-01
14	51.21	-1.159257e-07	3.511099e-02	3.511099e-01
13	47.71	-1.161632e-07	-6.437174e-03	-6.437178e-02
12	44.21	-1.344920e-07	-2.047084e-02	-2.047085e-01
11	40.71	-1.477185e-07	-4.710080e-02	-4.710080e-01
10	37.21	-1.611728e-07	-7.594253e-02	-7.594253e-01
9	33.71	-1.734195e-07	-1.095816e-01	-1.095816e+00
8	30.21	-1.844554e-07	-1.474292e-01	-1.474292e+00
7	26.71	-1.939878e-07	-1.895697e-01	-1.895697e+00
6	23.21	-2.015197e-07	-2.358814e-01	-2.358814e+00
5	19.71	-2.069654e-07	-2.872779e-01	-2.872779e+00
4	16.21	-2.084466e-07	-3.403139e-01	-3.403139e+00
3	12.71	-2.108774e-07	-4.082676e-01	-4.082676e+00
2	9.21	-2.173889e-07	-4.784235e-01	-4.784235e+00
1	5.45	-2.488678e-07	-9.309806e-01	-9.309806e+00



## FRAME no. 13

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.450368e-06	3.045823e+00	4.568735e+01
18	66.21	-3.782090e-07	-3.733410e-01	-5.600114e+00
17	62.21	2.714525e-07	3.533173e-01	5.299759e+00
16	58.21	2.125287e-07	4.704639e-01	7.056958e+00
15	54.71	-8.228869e-08	-6.087387e-02	-9.131081e-01
14	51.21	-1.159257e-07	7.451801e-03	1.117770e-01
13	47.71	-1.161632e-07	-2.782569e-02	-4.173854e-01
12	44.21	-1.344920e-07	-4.060863e-02	-6.091295e-01
11	40.71	-1.477185e-07	-6.314287e-02	-9.471431e-01
10	37.21	-1.611728e-07	-8.700909e-02	-1.305136e+00
9	33.71	-1.734195e-07	-1.142873e-01	-1.714309e+00
8	30.21	-1.844554e-07	-1.444375e-01	-2.166562e+00
7	26.71	-1.939878e-07	-1.774948e-01	-2.662423e+00
6	23.21	-2.015197e-07	-2.132894e-01	-3.199341e+00
5	19.71	-2.069654e-07	-2.524418e-01	-3.786626e+00
4	16.21	-2.084466e-07	-2.922553e-01	-4.383830e+00
3	12.71	-2.108774e-07	-3.427123e-01	-5.140684e+00
2	9.21	-2.173889e-07	-3.963315e-01	-5.944972e+00
1	5.45	-2.488678e-07	-7.460256e-01	-1.119038e+01

## FRAME no. 14

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.450368e-06	2.623936e+00	5.247872e+01
18	66.21	-3.782090e-07	-3.405297e-01	-6.810593e+00
17	62.21	2.714525e-07	2.905008e-01	5.810015e+00
16	58.21	2.125287e-07	3.754629e-01	7.509257e+00
15	54.71	-8.228869e-08	-7.147802e-02	-1.429560e+00
14	51.21	-1.159257e-07	-2.020739e-02	-4.041478e-01
13	47.71	-1.161632e-07	-4.921421e-02	-9.842842e-01
12	44.21	-1.344920e-07	-6.074642e-02	-1.214928e+00
11	40.71	-1.477185e-07	-7.918494e-02	-1.583699e+00
10	37.21	-1.611728e-07	-9.807564e-02	-1.961513e+00
9	33.71	-1.734195e-07	-1.189929e-01	-2.379858e+00
8	30.21	-1.844554e-07	-1.414458e-01	-2.828916e+00
7	26.71	-1.939878e-07	-1.654199e-01	-3.308399e+00
6	23.21	-2.015197e-07	-1.906974e-01	-3.813948e+00
5	19.71	-2.069654e-07	-2.176056e-01	-4.352112e+00
4	16.21	-2.084466e-07	-2.441968e-01	-4.883935e+00
3	12.71	-2.108774e-07	-2.771570e-01	-5.543140e+00
2	9.21	-2.173889e-07	-3.142395e-01	-6.284790e+00
1	5.45	-2.488678e-07	-5.610706e-01	-1.122141e+01

## FRAME no. 15

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.450368e-06	2.202049e+00	5.505122e+01
18	66.21	-3.782090e-07	-3.077184e-01	-7.692960e+00
17	62.21	2.714525e-07	2.276842e-01	5.692105e+00
16	58.21	2.125287e-07	2.804619e-01	7.011547e+00
15	54.71	-8.228869e-08	-8.208216e-02	-2.052054e+00
14	51.21	-1.159257e-07	-4.786658e-02	-1.196665e+00
13	47.71	-1.161632e-07	-7.060272e-02	-1.765068e+00
12	44.21	-1.344920e-07	-8.088421e-02	-2.022105e+00
11	40.71	-1.477185e-07	-9.522700e-02	-2.380675e+00
10	37.21	-1.611728e-07	-1.091422e-01	-2.728555e+00
9	33.71	-1.734195e-07	-1.236986e-01	-3.092464e+00
8	30.21	-1.844554e-07	-1.384541e-01	-3.461353e+00
7	26.71	-1.939878e-07	-1.533451e-01	-3.833626e+00
6	23.21	-2.015197e-07	-1.681054e-01	-4.202635e+00
5	19.71	-2.069654e-07	-1.827694e-01	-4.569236e+00
4	16.21	-2.084466e-07	-1.961382e-01	-4.903455e+00
3	12.71	-2.108774e-07	-2.116017e-01	-5.290043e+00
2	9.21	-2.173889e-07	-2.321475e-01	-5.803687e+00
1	5.45	-2.488678e-07	-3.761156e-01	-9.402891e+00

\*\*\*\*\*

Carichi ripartiti sui singoli elementi riferiti al proprio sistema locale

SHEARWALL no. 1

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	9.549740e-01	-8.820566e-02	-3.834113e+00
18	66.21	-3.654044e-01	5.100813e-02	-8.212069e-02
17	62.21	2.486101e-01	1.614116e-02	-1.030299e-01
16	58.21	-3.732940e-01	1.637898e-02	-1.151076e-01
15	54.71	1.537793e-01	2.573894e-02	-1.174510e-01
14	51.21	-2.757898e-01	2.937372e-02	-1.183344e-01
13	47.71	-9.822396e-02	2.699822e-02	-1.087973e-01
12	44.21	-1.467780e-01	2.756894e-02	-8.928778e-02
11	40.71	-1.411305e-01	2.770409e-02	-5.976688e-02
10	37.21	-1.524761e-01	2.809713e-02	-2.007934e-02
9	33.71	-1.633210e-01	2.870489e-02	3.000053e-02
8	30.21	-1.774945e-01	2.941351e-02	9.079610e-02
7	26.71	-1.950586e-01	3.039522e-02	1.627085e-01
6	23.21	-2.148041e-01	3.146698e-02	2.462417e-01
5	19.71	-2.394344e-01	3.271855e-02	3.419748e-01
4	16.21	-2.590518e-01	3.385094e-02	4.505553e-01
3	12.71	-3.119797e-01	3.589464e-02	5.726966e-01
2	9.21	-3.646378e-01	4.058467e-02	7.397767e-01
1	5.45	-3.416737e-01	6.593580e-02	1.189656e+00

## SHEARWALL no. 2

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	6.951136e+00	-2.430604e+00	-5.584736e+00
18	66.21	-3.779499e+00	1.413453e+00	-1.196163e-01
17	62.21	-5.592627e-01	4.631305e-01	-1.500725e-01
16	58.21	-1.722227e+00	4.425396e-01	-1.676648e-01
15	54.71	-1.300165e+00	7.280019e-01	-1.710781e-01
14	51.21	-2.313804e+00	8.110404e-01	-1.723649e-01
13	47.71	-1.841520e+00	7.522500e-01	-1.584733e-01
12	44.21	-1.964491e+00	7.661205e-01	-1.300558e-01
11	40.71	-1.960642e+00	7.701606e-01	-8.705594e-02
10	37.21	-2.003217e+00	7.806850e-01	-2.924741e-02
9	33.71	-2.057429e+00	7.972505e-01	4.369852e-02
8	30.21	-2.123315e+00	8.164984e-01	1.322528e-01
7	26.71	-2.211516e+00	8.432526e-01	2.369998e-01
6	23.21	-2.308591e+00	8.724365e-01	3.586736e-01
5	19.71	-2.424865e+00	9.064480e-01	4.981176e-01
4	16.21	-2.524219e+00	9.373405e-01	6.562751e-01
3	12.71	-2.738536e+00	9.923180e-01	8.341850e-01
2	9.21	-3.114382e+00	1.121466e+00	1.077553e+00
1	5.45	-4.582908e+00	1.833019e+00	1.732842e+00



## SHEARWALL no. 3

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	9.549740e-01	1.796144e-02	-3.834113e+00
18	66.21	-3.654044e-01	-1.610098e-03	-8.212069e-02
17	62.21	2.486101e-01	5.317100e-03	-1.030299e-01
16	58.21	-3.732940e-01	-5.132810e-04	-1.151076e-01
15	54.71	1.537793e-01	3.535708e-03	-1.174510e-01
14	51.21	-2.757898e-01	-4.276644e-04	-1.183344e-01
13	47.71	-9.822396e-02	1.169499e-03	-1.087973e-01
12	44.21	-1.467780e-01	6.379893e-04	-8.928778e-02
11	40.71	-1.411305e-01	5.855521e-04	-5.976688e-02
10	37.21	-1.524761e-01	3.389202e-04	-2.007934e-02
9	33.71	-1.633210e-01	7.063011e-05	3.000053e-02
8	30.21	-1.774945e-01	-2.663164e-04	9.079610e-02
7	26.71	-1.950586e-01	-6.634511e-04	1.627085e-01
6	23.21	-2.148041e-01	-1.120398e-03	2.462417e-01
5	19.71	-2.394344e-01	-1.668234e-03	3.419748e-01
4	16.21	-2.590518e-01	-2.200567e-03	4.505553e-01
3	12.71	-3.119797e-01	-3.148480e-03	5.726966e-01
2	9.21	-3.646378e-01	-3.935560e-03	7.397767e-01
1	5.45	-3.416737e-01	-4.966413e-03	1.189656e+00

## SHEARWALL no. 4

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	1.664715e+00	4.651503e-01	-5.584736e+00
18	66.21	-6.191481e-02	-3.128189e-02	-1.196163e-01
17	62.21	1.055638e+00	1.372778e-01	-1.500725e-01
16	58.21	-5.282101e-01	1.387187e-03	-1.676648e-01
15	54.71	9.029795e-01	9.111126e-02	-1.710781e-01
14	51.21	-1.353892e-01	-1.121459e-03	-1.723649e-01
13	47.71	2.783185e-01	3.589086e-02	-1.584733e-01
12	44.21	1.582983e-01	2.311749e-02	-1.300558e-01
11	40.71	1.683722e-01	2.139180e-02	-8.705594e-02
10	37.21	1.368156e-01	1.496386e-02	-2.924741e-02
9	33.71	1.081515e-01	7.896979e-03	4.369852e-02
8	30.21	7.023699e-02	-9.513652e-04	1.322528e-01
7	26.71	2.602987e-02	-1.134896e-02	2.369998e-01
6	23.21	-2.477632e-02	-2.333040e-02	3.586736e-01
5	19.71	-8.808796e-02	-3.765114e-02	4.981176e-01
4	16.21	-1.422830e-01	-5.175381e-02	6.562751e-01
3	12.71	-2.741344e-01	-7.607094e-02	8.341850e-01
2	9.21	-3.562526e-01	-9.601329e-02	1.077553e+00
1	5.45	5.510789e-03	-1.270773e-01	1.732842e+00

## SHEARWALL no. 5

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	-4.229930e-03	-1.476019e+01	-2.524843e+00
18	66.21	2.555558e-03	9.236151e+00	-5.407819e-02
17	62.21	1.903467e-03	3.387775e+00	-6.784733e-02
16	58.21	-2.688744e-04	2.966075e+00	-7.580077e-02
15	54.71	2.388859e-03	5.007662e+00	-7.734394e-02
14	51.21	1.154475e-03	5.358633e+00	-7.792568e-02
13	47.71	1.599730e-03	5.049991e+00	-7.164532e-02
12	44.21	1.479224e-03	5.112347e+00	-5.879787e-02
11	40.71	1.517909e-03	5.132975e+00	-3.935774e-02
10	37.21	1.519601e-03	5.185448e+00	-1.322267e-02
9	33.71	1.541889e-03	5.275615e+00	1.975598e-02
8	30.21	1.563255e-03	5.378818e+00	5.979113e-02
7	26.71	1.596228e-03	5.527353e+00	1.071469e-01
6	23.21	1.631625e-03	5.687646e+00	1.621553e-01
5	19.71	1.667383e-03	5.873698e+00	2.251976e-01
4	16.21	1.713951e-03	6.039106e+00	2.967001e-01
3	12.71	1.722428e-03	6.338653e+00	3.771327e-01
2	9.21	1.926217e-03	7.136881e+00	4.871584e-01
1	5.45	4.084857e-03	1.170886e+01	7.834131e-01

## OPEN SHEARWALL no. 1

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	-3.064515e+00	-7.667802e+00	-4.080112e+00
18	66.21	1.848598e+00	5.504671e+00	-3.928792e-01
17	62.21	1.369853e+00	2.452575e+00	-1.857563e-01
16	58.21	-1.889236e-01	1.768034e+00	-2.342414e-01
15	54.71	1.721312e+00	3.308022e+00	-2.666532e-01
14	51.21	8.366034e-01	3.230866e+00	-3.100152e-01
13	47.71	1.155421e+00	3.160165e+00	-2.762876e-01
12	44.21	1.069141e+00	3.159126e+00	-2.586540e-01
11	40.71	1.096974e+00	3.167836e+00	-2.237337e-01
10	37.21	1.098348e+00	3.181684e+00	-1.789438e-01
9	33.71	1.114573e+00	3.216889e+00	-1.228088e-01
8	30.21	1.130179e+00	3.254993e+00	-5.456261e-02
7	26.71	1.154205e+00	3.316279e+00	2.537197e-02
6	23.21	1.180008e+00	3.380333e+00	1.186298e-01
5	19.71	1.206138e+00	3.453400e+00	2.252438e-01
4	16.21	1.239999e+00	3.515036e+00	3.482588e-01
3	12.71	1.246831e+00	3.627840e+00	4.804100e-01
2	9.21	1.394563e+00	4.056035e+00	6.534761e-01
1	5.45	2.951558e+00	6.763737e+00	1.054724e+00

## OPEN SHEARWALL no. 2

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	-7.794735e+00	-4.687165e+00	-2.066278e+01
18	66.21	-2.145908e+00	9.031669e+00	-2.293782e+00
17	62.21	-1.756911e+00	7.708033e+00	-1.016499e+00
16	58.21	-4.251279e+00	2.206077e+00	-1.297515e+00
15	54.71	-9.648752e-01	8.357348e+00	-1.491443e+00
14	51.21	-2.670979e+00	5.353967e+00	-1.753273e+00
13	47.71	-1.943564e+00	6.378348e+00	-1.558993e+00
12	44.21	-2.044484e+00	6.018324e+00	-1.472806e+00
11	40.71	-1.907427e+00	6.028354e+00	-1.292471e+00
10	37.21	-1.795663e+00	5.919612e+00	-1.063098e+00
9	33.71	-1.648906e+00	5.844582e+00	-7.759856e-01
8	30.21	-1.473608e+00	5.736958e+00	-4.268344e-01
7	26.71	-1.275385e+00	5.639631e+00	-1.863101e-02
6	23.21	-1.042262e+00	5.516338e+00	4.579976e-01
5	19.71	-7.768853e-01	5.358661e+00	1.002637e+00
4	16.21	-4.610499e-01	5.198975e+00	1.633053e+00
3	12.71	-1.481597e-01	4.871588e+00	2.304466e+00
2	9.21	6.312295e-02	5.226931e+00	3.176206e+00
1	5.45	2.083571e+00	1.011961e+01	5.131083e+00

## FRAME no. 1

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	0	0	0
18	66.21	5.327552e-01	-4.730002e-05	1.093131e-06
17	62.21	-4.477043e+00	4.774835e-04	-1.018280e-05
16	58.21	5.469164e+00	-5.882031e-04	1.250109e-05
15	54.71	-4.529289e+00	4.654299e-04	-1.008075e-05
14	51.21	1.960530e+00	-2.151020e-04	4.535112e-06
13	47.71	-6.305672e-01	5.639927e-05	-1.297778e-06
12	44.21	4.211320e-02	-1.431812e-05	2.194522e-07
11	40.71	-1.197268e-01	2.852792e-06	-1.474797e-07
10	37.21	-6.049854e-02	-2.837698e-06	-2.058330e-08
9	33.71	-5.181846e-02	-2.878260e-06	-1.191075e-08
8	30.21	-2.387156e-02	-4.587735e-06	3.572682e-08
7	26.71	7.433185e-03	-6.189410e-06	8.512670e-08
6	23.21	3.954905e-02	-7.729351e-06	1.345042e-07
5	19.71	1.013211e-01	-1.082771e-05	2.310467e-07
4	16.21	7.832433e-02	-8.757739e-06	1.837173e-07
3	12.71	4.182691e-01	-2.778593e-05	7.392698e-07
2	9.21	5.091121e-01	-2.653420e-05	8.111910e-07
1	5.45	-3.744280e+00	1.863068e-04	-5.843787e-06



## FRAME no. 2

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	6.257172e-02	3.212817e-05	-5.935532e-07
18	66.21	-2.653104e-02	-3.930336e-06	4.364629e-08
17	62.21	3.036913e-03	4.800776e-06	-1.091971e-07
16	58.21	-2.314636e-02	5.685025e-06	-1.472303e-07
15	54.71	-8.263374e-03	1.964403e-07	-2.792434e-08
14	51.21	-2.397025e-02	1.034388e-06	-5.622822e-08
13	47.71	-1.876772e-02	6.300150e-07	-4.504741e-08
12	44.21	-2.056958e-02	5.044905e-07	-4.368707e-08
11	40.71	-2.009522e-02	2.447954e-07	-3.764481e-08
10	37.21	-1.964156e-02	-4.421404e-08	-3.050501e-08
9	33.71	-1.863281e-02	-3.875144e-07	-2.140580e-08
8	30.21	-1.714519e-02	-7.819539e-07	-1.038914e-08
7	26.71	-1.514798e-02	-1.226781e-06	2.542069e-09
6	23.21	-1.256218e-02	-1.723635e-06	1.753658e-08
5	19.71	-9.322219e-03	-2.284635e-06	3.502486e-08
4	16.21	-5.393024e-03	-2.869585e-06	5.391128e-08
3	12.71	-6.139975e-04	-3.638975e-06	7.900160e-08
2	9.21	3.154307e-03	-4.327358e-06	9.994637e-08
1	5.45	3.479444e-02	-8.990449e-06	2.420282e-07

## FRAME no. 3

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	3.296707e-01	3.212817e-05	-5.935532e-07
18	66.21	-4.617187e-02	-3.930336e-06	4.364629e-08
17	62.21	5.217562e-02	4.800776e-06	-1.091971e-07
16	58.21	4.310727e-02	5.685025e-06	-1.472303e-07
15	54.71	4.302577e-03	1.964403e-07	-2.792434e-08
14	51.21	1.332453e-03	1.034388e-06	-5.622822e-08
13	47.71	1.503613e-03	6.300150e-07	-4.504741e-08
12	44.21	-9.104027e-04	5.044905e-07	-4.368707e-08
11	40.71	-3.155049e-03	2.447954e-07	-3.764481e-08
10	37.21	-5.914306e-03	-4.421404e-08	-3.050501e-08
9	33.71	-9.000203e-03	-3.875144e-07	-2.140580e-08
8	30.21	-1.247008e-02	-7.819539e-07	-1.038914e-08
7	26.71	-1.629191e-02	-1.226781e-06	2.542069e-09
6	23.21	-2.045364e-02	-1.723635e-06	1.753658e-08
5	19.71	-2.508341e-02	-2.284635e-06	3.502486e-08
4	16.21	-2.965310e-02	-2.869585e-06	5.391128e-08
3	12.71	-3.616472e-02	-3.638975e-06	7.900160e-08
2	9.21	-4.182156e-02	-4.327358e-06	9.994637e-08
1	5.45	-7.411824e-02	-8.990449e-06	2.420282e-07

## FRAME no. 4

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.140656e+00	1.126419e-04	-2.247331e-06
18	66.21	-1.564923e-01	-9.094716e-06	1.213478e-07
17	62.21	2.499627e-01	1.213165e-05	-2.875763e-07
16	58.21	4.098070e-01	2.052170e-05	-5.084269e-07
15	54.71	-1.659959e-03	-1.412038e-06	-3.870789e-08
14	51.21	5.939933e-02	1.967633e-06	-1.284491e-07
13	47.71	3.451320e-02	5.068223e-07	-9.697458e-08
12	44.21	2.571836e-02	7.336456e-08	-8.973650e-08
11	40.71	7.314236e-03	-8.525842e-07	-6.787451e-08
10	37.21	-1.417686e-02	-1.884524e-06	-4.105480e-08
9	33.71	-4.043610e-02	-3.120156e-06	-6.739652e-09
8	30.21	-7.118525e-02	-4.539171e-06	3.478385e-08
7	26.71	-1.065903e-01	-6.148623e-06	8.386061e-08
6	23.21	-1.466659e-01	-7.946819e-06	1.406903e-07
5	19.71	-1.922977e-01	-9.967920e-06	2.066951e-07
4	16.21	-2.408192e-01	-1.210083e-05	2.783758e-07
3	12.71	-3.034966e-01	-1.480137e-05	3.716229e-07
2	9.21	-3.696796e-01	-1.776278e-05	4.677415e-07
1	5.45	-7.571091e-01	-3.546643e-05	1.025739e-06

## FRAME no. 5

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	6.420921e+00	-2.450368e-06	-8.437745e-07
18	66.21	-6.358312e-01	3.782090e-07	6.562256e-08
17	62.21	8.558496e-01	-2.714525e-07	-1.256331e-07
16	58.21	1.230472e+00	-2.125287e-07	-1.900020e-07
15	54.71	2.395929e-02	8.228869e-08	-2.120829e-08
14	51.21	2.287253e-01	1.159257e-07	-5.531838e-08
13	47.71	1.432824e-01	1.161632e-07	-4.277703e-08
12	44.21	1.204937e-01	1.344920e-07	-4.027558e-08
11	40.71	6.519367e-02	1.477185e-07	-3.208413e-08
10	37.21	1.523383e-03	1.611728e-07	-2.213312e-08
9	33.71	-7.664217e-02	1.734195e-07	-9.411277e-09
8	30.21	-1.683710e-01	1.844554e-07	5.983378e-09
7	26.71	-2.740940e-01	1.939878e-07	2.414978e-08
6	23.21	-3.940255e-01	2.015197e-07	4.518402e-08
5	19.71	-5.311310e-01	2.069654e-07	6.967231e-08
4	16.21	-6.767240e-01	2.084466e-07	9.611716e-08
3	12.71	-8.671545e-01	2.108774e-07	1.311106e-07
2	9.21	-1.053068e+00	2.173889e-07	1.641840e-07
1	5.45	-2.225666e+00	2.488678e-07	3.699100e-07

## FRAME no. 6

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	5.999034e+00	-2.450368e-06	-8.437745e-07
18	66.21	-6.030199e-01	3.782090e-07	6.562256e-08
17	62.21	7.930330e-01	-2.714525e-07	-1.256331e-07
16	58.21	1.135471e+00	-2.125287e-07	-1.900020e-07
15	54.71	1.335515e-02	8.228869e-08	-2.120829e-08
14	51.21	2.010661e-01	1.159257e-07	-5.531838e-08
13	47.71	1.218939e-01	1.161632e-07	-4.277703e-08
12	44.21	1.003559e-01	1.344920e-07	-4.027558e-08
11	40.71	4.915160e-02	1.477185e-07	-3.208413e-08
10	37.21	-9.543176e-03	1.611728e-07	-2.213312e-08
9	33.71	-8.134780e-02	1.734195e-07	-9.411277e-09
8	30.21	-1.653793e-01	1.844554e-07	5.983378e-09
7	26.71	-2.620191e-01	1.939878e-07	2.414978e-08
6	23.21	-3.714335e-01	2.015197e-07	4.518402e-08
5	19.71	-4.962948e-01	2.069654e-07	6.967231e-08
4	16.21	-6.286654e-01	2.084466e-07	9.611716e-08
3	12.71	-8.015992e-01	2.108774e-07	1.311106e-07
2	9.21	-9.709755e-01	2.173889e-07	1.641840e-07
1	5.45	-2.040711e+00	2.488678e-07	3.699100e-07

## FRAME no. 7

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	5.577147e+00	-2.450368e-06	-8.437745e-07
18	66.21	-5.702086e-01	3.782090e-07	6.562256e-08
17	62.21	7.302165e-01	-2.714525e-07	-1.256331e-07
16	58.21	1.040470e+00	-2.125287e-07	-1.900020e-07
15	54.71	2.751002e-03	8.228869e-08	-2.120829e-08
14	51.21	1.734069e-01	1.159257e-07	-5.531838e-08
13	47.71	1.005054e-01	1.161632e-07	-4.277703e-08
12	44.21	8.021810e-02	1.344920e-07	-4.027558e-08
11	40.71	3.310953e-02	1.477185e-07	-3.208413e-08
10	37.21	-2.060973e-02	1.611728e-07	-2.213312e-08
9	33.71	-8.605344e-02	1.734195e-07	-9.411277e-09
8	30.21	-1.623876e-01	1.844554e-07	5.983378e-09
7	26.71	-2.499442e-01	1.939878e-07	2.414978e-08
6	23.21	-3.488415e-01	2.015197e-07	4.518402e-08
5	19.71	-4.614587e-01	2.069654e-07	6.967231e-08
4	16.21	-5.806068e-01	2.084466e-07	9.611716e-08
3	12.71	-7.360440e-01	2.108774e-07	1.311106e-07
2	9.21	-8.888835e-01	2.173889e-07	1.641840e-07
1	5.45	-1.855756e+00	2.488678e-07	3.699100e-07

## FRAME no. 8

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	5.155260e+00	-2.450368e-06	-8.437745e-07
18	66.21	-5.373973e-01	3.782090e-07	6.562256e-08
17	62.21	6.674000e-01	-2.714525e-07	-1.256331e-07
16	58.21	9.454688e-01	-2.125287e-07	-1.900020e-07
15	54.71	-7.853144e-03	8.228869e-08	-2.120829e-08
14	51.21	1.457478e-01	1.159257e-07	-5.531838e-08
13	47.71	7.911689e-02	1.161632e-07	-4.277703e-08
12	44.21	6.008031e-02	1.344920e-07	-4.027558e-08
11	40.71	1.706747e-02	1.477185e-07	-3.208413e-08
10	37.21	-3.167629e-02	1.611728e-07	-2.213312e-08
9	33.71	-9.075908e-02	1.734195e-07	-9.411277e-09
8	30.21	-1.593959e-01	1.844554e-07	5.983378e-09
7	26.71	-2.378693e-01	1.939878e-07	2.414978e-08
6	23.21	-3.262495e-01	2.015197e-07	4.518402e-08
5	19.71	-4.266225e-01	2.069654e-07	6.967231e-08
4	16.21	-5.325482e-01	2.084466e-07	9.611716e-08
3	12.71	-6.704887e-01	2.108774e-07	1.311106e-07
2	9.21	-8.067915e-01	2.173889e-07	1.641840e-07
1	5.45	-1.670801e+00	2.488678e-07	3.699100e-07

## FRAME no. 9

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	4.733372e+00	-2.450368e-06	-8.437745e-07
18	66.21	-5.045861e-01	3.782090e-07	6.562256e-08
17	62.21	6.045834e-01	-2.714525e-07	-1.256331e-07
16	58.21	8.504678e-01	-2.125287e-07	-1.900020e-07
15	54.71	-1.845729e-02	8.228869e-08	-2.120829e-08
14	51.21	1.180886e-01	1.159257e-07	-5.531838e-08
13	47.71	5.772838e-02	1.161632e-07	-4.277703e-08
12	44.21	3.994252e-02	1.344920e-07	-4.027558e-08
11	40.71	1.025400e-03	1.477185e-07	-3.208413e-08
10	37.21	-4.274285e-02	1.611728e-07	-2.213312e-08
9	33.71	-9.546472e-02	1.734195e-07	-9.411277e-09
8	30.21	-1.564042e-01	1.844554e-07	5.983378e-09
7	26.71	-2.257944e-01	1.939878e-07	2.414978e-08
6	23.21	-3.036575e-01	2.015197e-07	4.518402e-08
5	19.71	-3.917864e-01	2.069654e-07	6.967231e-08
4	16.21	-4.844897e-01	2.084466e-07	9.611716e-08
3	12.71	-6.049334e-01	2.108774e-07	1.311106e-07
2	9.21	-7.246995e-01	2.173889e-07	1.641840e-07
1	5.45	-1.485846e+00	2.488678e-07	3.699100e-07



## FRAME no. 10

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	4.311485e+00	-2.450368e-06	-8.437745e-07
18	66.21	-4.717748e-01	3.782090e-07	6.562256e-08
17	62.21	5.417669e-01	-2.714525e-07	-1.256331e-07
16	58.21	7.554668e-01	-2.125287e-07	-1.900020e-07
15	54.71	-2.906143e-02	8.228869e-08	-2.120829e-08
14	51.21	9.042937e-02	1.159257e-07	-5.531838e-08
13	47.71	3.633986e-02	1.161632e-07	-4.277703e-08
12	44.21	1.980473e-02	1.344920e-07	-4.027558e-08
11	40.71	-1.501667e-02	1.477185e-07	-3.208413e-08
10	37.21	-5.380941e-02	1.611728e-07	-2.213312e-08
9	33.71	-1.001704e-01	1.734195e-07	-9.411277e-09
8	30.21	-1.534126e-01	1.844554e-07	5.983378e-09
7	26.71	-2.137195e-01	1.939878e-07	2.414978e-08
6	23.21	-2.810655e-01	2.015197e-07	4.518402e-08
5	19.71	-3.569502e-01	2.069654e-07	6.967231e-08
4	16.21	-4.364311e-01	2.084466e-07	9.611716e-08
3	12.71	-5.393781e-01	2.108774e-07	1.311106e-07
2	9.21	-6.426075e-01	2.173889e-07	1.641840e-07
1	5.45	-1.300891e+00	2.488678e-07	3.699100e-07

## FRAME no. 11

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	3.889598e+00	-2.450368e-06	-8.437745e-07
18	66.21	-4.389635e-01	3.782090e-07	6.562256e-08
17	62.21	4.789504e-01	-2.714525e-07	-1.256331e-07
16	58.21	6.604658e-01	-2.125287e-07	-1.900020e-07
15	54.71	-3.966558e-02	8.228869e-08	-2.120829e-08
14	51.21	6.277018e-02	1.159257e-07	-5.531838e-08
13	47.71	1.495134e-02	1.161632e-07	-4.277703e-08
12	44.21	-3.330553e-04	1.344920e-07	-4.027558e-08
11	40.71	-3.105873e-02	1.477185e-07	-3.208413e-08
10	37.21	-6.487597e-02	1.611728e-07	-2.213312e-08
9	33.71	-1.048760e-01	1.734195e-07	-9.411277e-09
8	30.21	-1.504209e-01	1.844554e-07	5.983378e-09
7	26.71	-2.016446e-01	1.939878e-07	2.414978e-08
6	23.21	-2.584734e-01	2.015197e-07	4.518402e-08
5	19.71	-3.221141e-01	2.069654e-07	6.967231e-08
4	16.21	-3.883725e-01	2.084466e-07	9.611716e-08
3	12.71	-4.738229e-01	2.108774e-07	1.311106e-07
2	9.21	-5.605155e-01	2.173889e-07	1.641840e-07
1	5.45	-1.115936e+00	2.488678e-07	3.699100e-07

## FRAME no. 12

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	3.467711e+00	-2.450368e-06	-8.437745e-07
18	66.21	-4.061522e-01	3.782090e-07	6.562256e-08
17	62.21	4.161338e-01	-2.714525e-07	-1.256331e-07
16	58.21	5.654649e-01	-2.125287e-07	-1.900020e-07
15	54.71	-5.026973e-02	8.228869e-08	-2.120829e-08
14	51.21	3.511099e-02	1.159257e-07	-5.531838e-08
13	47.71	-6.437174e-03	1.161632e-07	-4.277703e-08
12	44.21	-2.047084e-02	1.344920e-07	-4.027558e-08
11	40.71	-4.710080e-02	1.477185e-07	-3.208413e-08
10	37.21	-7.594253e-02	1.611728e-07	-2.213312e-08
9	33.71	-1.095816e-01	1.734195e-07	-9.411277e-09
8	30.21	-1.474292e-01	1.844554e-07	5.983378e-09
7	26.71	-1.895697e-01	1.939878e-07	2.414978e-08
6	23.21	-2.358814e-01	2.015197e-07	4.518402e-08
5	19.71	-2.872779e-01	2.069654e-07	6.967231e-08
4	16.21	-3.403139e-01	2.084466e-07	9.611716e-08
3	12.71	-4.082676e-01	2.108774e-07	1.311106e-07
2	9.21	-4.784235e-01	2.173889e-07	1.641840e-07
1	5.45	-9.309806e-01	2.488678e-07	3.699100e-07

## FRAME no. 13

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	3.045823e+00	-2.450368e-06	-8.437745e-07
18	66.21	-3.733410e-01	3.782090e-07	6.562256e-08
17	62.21	3.533173e-01	-2.714525e-07	-1.256331e-07
16	58.21	4.704639e-01	-2.125287e-07	-1.900020e-07
15	54.71	-6.087387e-02	8.228869e-08	-2.120829e-08
14	51.21	7.451801e-03	1.159257e-07	-5.531838e-08
13	47.71	-2.782569e-02	1.161632e-07	-4.277703e-08
12	44.21	-4.060863e-02	1.344920e-07	-4.027558e-08
11	40.71	-6.314287e-02	1.477185e-07	-3.208413e-08
10	37.21	-8.700909e-02	1.611728e-07	-2.213312e-08
9	33.71	-1.142873e-01	1.734195e-07	-9.411277e-09
8	30.21	-1.444375e-01	1.844554e-07	5.983378e-09
7	26.71	-1.774948e-01	1.939878e-07	2.414978e-08
6	23.21	-2.132894e-01	2.015197e-07	4.518402e-08
5	19.71	-2.524418e-01	2.069654e-07	6.967231e-08
4	16.21	-2.922553e-01	2.084466e-07	9.611716e-08
3	12.71	-3.427123e-01	2.108774e-07	1.311106e-07
2	9.21	-3.963315e-01	2.173889e-07	1.641840e-07
1	5.45	-7.460256e-01	2.488678e-07	3.699100e-07

## FRAME no. 14

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.623936e+00	-2.450368e-06	-8.437745e-07
18	66.21	-3.405297e-01	3.782090e-07	6.562256e-08
17	62.21	2.905008e-01	-2.714525e-07	-1.256331e-07
16	58.21	3.754629e-01	-2.125287e-07	-1.900020e-07
15	54.71	-7.147802e-02	8.228869e-08	-2.120829e-08
14	51.21	-2.020739e-02	1.159257e-07	-5.531838e-08
13	47.71	-4.921421e-02	1.161632e-07	-4.277703e-08
12	44.21	-6.074642e-02	1.344920e-07	-4.027558e-08
11	40.71	-7.918494e-02	1.477185e-07	-3.208413e-08
10	37.21	-9.807564e-02	1.611728e-07	-2.213312e-08
9	33.71	-1.189929e-01	1.734195e-07	-9.411277e-09
8	30.21	-1.414458e-01	1.844554e-07	5.983378e-09
7	26.71	-1.654199e-01	1.939878e-07	2.414978e-08
6	23.21	-1.906974e-01	2.015197e-07	4.518402e-08
5	19.71	-2.176056e-01	2.069654e-07	6.967231e-08
4	16.21	-2.441968e-01	2.084466e-07	9.611716e-08
3	12.71	-2.771570e-01	2.108774e-07	1.311106e-07
2	9.21	-3.142395e-01	2.173889e-07	1.641840e-07
1	5.45	-5.610706e-01	2.488678e-07	3.699100e-07

## FRAME no. 15

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.202049e+00	-2.450368e-06	-8.437745e-07
18	66.21	-3.077184e-01	3.782090e-07	6.562256e-08
17	62.21	2.276842e-01	-2.714525e-07	-1.256331e-07
16	58.21	2.804619e-01	-2.125287e-07	-1.900020e-07
15	54.71	-8.208216e-02	8.228869e-08	-2.120829e-08
14	51.21	-4.786658e-02	1.159257e-07	-5.531838e-08
13	47.71	-7.060272e-02	1.161632e-07	-4.277703e-08
12	44.21	-8.088421e-02	1.344920e-07	-4.027558e-08
11	40.71	-9.522700e-02	1.477185e-07	-3.208413e-08
10	37.21	-1.091422e-01	1.611728e-07	-2.213312e-08
9	33.71	-1.236986e-01	1.734195e-07	-9.411277e-09
8	30.21	-1.384541e-01	1.844554e-07	5.983378e-09
7	26.71	-1.533451e-01	1.939878e-07	2.414978e-08
6	23.21	-1.681054e-01	2.015197e-07	4.518402e-08
5	19.71	-1.827694e-01	2.069654e-07	6.967231e-08
4	16.21	-1.961382e-01	2.084466e-07	9.611716e-08
3	12.71	-2.116017e-01	2.108774e-07	1.311106e-07
2	9.21	-2.321475e-01	2.173889e-07	1.641840e-07
1	5.45	-3.761156e-01	2.488678e-07	3.699100e-07

\*\*\*\*\*

Sollecitazioni sui singoli elementi riferiti agli assi locali

SHEARWALL no. 1

-----

piano	Mx [kNm]	My [kNm]	Tx [kN]	Ty [kN]	Mz [kNm]
19	1.000000e-99	1.000000e-99	9.549740e-01	-8.820566e-02	-3.834113e+00
18	-5.292340e-01	5.729844e+00	5.895695e-01	-3.719753e-02	-3.916233e+00
17	-6.780241e-01	8.088122e+00	8.381796e-01	-2.105637e-02	-4.019263e+00
16	-7.622496e-01	1.144084e+01	4.648856e-01	-4.677395e-03	-4.134371e+00
15	-7.786205e-01	1.306794e+01	6.186649e-01	2.106155e-02	-4.251822e+00
14	-7.049051e-01	1.523327e+01	3.428751e-01	5.043526e-02	-4.370156e+00
13	-5.283816e-01	1.643333e+01	2.446511e-01	7.743348e-02	-4.478954e+00
12	-2.573645e-01	1.728961e+01	9.787316e-02	1.050024e-01	-4.568241e+00
11	1.101440e-01	1.763217e+01	-4.325736e-02	1.327065e-01	-4.628008e+00
10	5.746167e-01	1.748076e+01	-1.957335e-01	1.608036e-01	-4.648088e+00
9	1.137429e+00	1.679570e+01	-3.590545e-01	1.895085e-01	-4.618087e+00
8	1.800709e+00	1.553901e+01	-5.365490e-01	2.189220e-01	-4.527291e+00
7	2.566936e+00	1.366109e+01	-7.316076e-01	2.493173e-01	-4.364583e+00
6	3.439547e+00	1.110046e+01	-9.464117e-01	2.807842e-01	-4.118341e+00
5	4.422292e+00	7.788018e+00	-1.185846e+00	3.135028e-01	-3.776366e+00
4	5.519551e+00	3.637556e+00	-1.444898e+00	3.473537e-01	-3.325811e+00
3	6.735289e+00	-1.419587e+00	-1.756878e+00	3.832484e-01	-2.753114e+00
2	8.076659e+00	-7.568659e+00	-2.121515e+00	4.238330e-01	-2.013337e+00
1	9.670271e+00	-1.554556e+01	-2.463189e+00	4.897688e-01	-8.236818e-01
0	1.233951e+01	-2.896994e+01	-2.463189e+00	4.897688e-01	-8.236818e-01

## SHEARWALL no. 2

-----

piano	Mx [kNm]	My [kNm]	Tx [kN]	Ty [kN]	Mz [kNm]
19	1.000000e-99	1.000000e-99	6.951136e+00	-2.430604e+00	-5.584736e+00
18	-1.458362e+01	4.170682e+01	3.171637e+00	-1.017151e+00	-5.704353e+00
17	-1.865223e+01	5.439336e+01	2.612374e+00	-5.540203e-01	-5.854425e+00
16	-2.086831e+01	6.484286e+01	8.901477e-01	-1.114807e-01	-6.022090e+00
15	-2.125849e+01	6.795838e+01	-4.100168e-01	6.165213e-01	-6.193168e+00
14	-1.910067e+01	6.652332e+01	-2.723820e+00	1.427562e+00	-6.365533e+00
13	-1.410420e+01	5.698995e+01	-4.565341e+00	2.179812e+00	-6.524006e+00
12	-6.474859e+00	4.101126e+01	-6.529832e+00	2.945932e+00	-6.654062e+00
11	3.835903e+00	1.815684e+01	-8.490474e+00	3.716093e+00	-6.741118e+00
10	1.684223e+01	-1.155982e+01	-1.049369e+01	4.496778e+00	-6.770366e+00
9	3.258095e+01	-4.828774e+01	-1.255112e+01	5.294028e+00	-6.726667e+00
8	5.111005e+01	-9.221666e+01	-1.467444e+01	6.110527e+00	-6.594414e+00
7	7.249689e+01	-1.435772e+02	-1.688595e+01	6.953779e+00	-6.357414e+00
6	9.683512e+01	-2.026780e+02	-1.919454e+01	7.826216e+00	-5.998741e+00
5	1.242269e+02	-2.698589e+02	-2.161941e+01	8.732664e+00	-5.500623e+00
4	1.547912e+02	-3.455269e+02	-2.414363e+01	9.670004e+00	-4.844348e+00
3	1.886362e+02	-4.300295e+02	-2.688216e+01	1.066232e+01	-4.010163e+00
2	2.259543e+02	-5.241171e+02	-2.999655e+01	1.178379e+01	-2.932611e+00
1	2.702614e+02	-6.369041e+02	-3.457945e+01	1.361681e+01	-1.199768e+00
0	3.444730e+02	-8.253622e+02	-3.457945e+01	1.361681e+01	-1.199768e+00



## SHEARWALL no. 3

-----

piano	Mx [kNm]	My [kNm]	Tx [kN]	Ty [kN]	Mz [kNm]
19	1.000000e-99	1.000000e-99	9.549740e-01	1.796144e-02	-3.834113e+00
18	1.077687e-01	5.729844e+00	5.895695e-01	1.635135e-02	-3.916233e+00
17	1.731740e-01	8.088122e+00	8.381796e-01	2.166845e-02	-4.019263e+00
16	2.598478e-01	1.144084e+01	4.648856e-01	2.115516e-02	-4.134371e+00
15	3.338909e-01	1.306794e+01	6.186649e-01	2.469087e-02	-4.251822e+00
14	4.203090e-01	1.523327e+01	3.428751e-01	2.426321e-02	-4.370156e+00
13	5.052302e-01	1.643333e+01	2.446511e-01	2.543271e-02	-4.478954e+00
12	5.942447e-01	1.728961e+01	9.787316e-02	2.607070e-02	-4.568241e+00
11	6.854921e-01	1.763217e+01	-4.325736e-02	2.665625e-02	-4.628008e+00
10	7.787890e-01	1.748076e+01	-1.957335e-01	2.699517e-02	-4.648088e+00
9	8.732720e-01	1.679570e+01	-3.590545e-01	2.706580e-02	-4.618087e+00
8	9.680023e-01	1.553901e+01	-5.365490e-01	2.679948e-02	-4.527291e+00
7	1.061801e+00	1.366109e+01	-7.316076e-01	2.613603e-02	-4.364583e+00
6	1.153277e+00	1.110046e+01	-9.464117e-01	2.501563e-02	-4.118341e+00
5	1.240831e+00	7.788018e+00	-1.185846e+00	2.334740e-02	-3.776366e+00
4	1.322547e+00	3.637556e+00	-1.444898e+00	2.114683e-02	-3.325811e+00
3	1.396561e+00	-1.419587e+00	-1.756878e+00	1.799835e-02	-2.753114e+00
2	1.459555e+00	-7.568659e+00	-2.121515e+00	1.406279e-02	-2.013337e+00
1	1.512431e+00	-1.554556e+01	-2.463189e+00	9.096379e-03	-8.236818e-01
0	1.562007e+00	-2.896994e+01	-2.463189e+00	9.096379e-03	-8.236818e-01

## SHEARWALL no. 4

-----

piano	Mx [kNm]	My [kNm]	Tx [kN]	Ty [kN]	Mz [kNm]
19	1.000000e-99	1.000000e-99	1.664715e+00	4.651503e-01	-5.584736e+00
18	2.790902e+00	9.988289e+00	1.602800e+00	4.338684e-01	-5.704353e+00
17	4.526376e+00	1.639949e+01	2.658438e+00	5.711463e-01	-5.854425e+00
16	6.810961e+00	2.703324e+01	2.130227e+00	5.725334e-01	-6.022090e+00
15	8.814828e+00	3.448903e+01	3.033207e+00	6.636447e-01	-6.193168e+00
14	1.113758e+01	4.510526e+01	2.897818e+00	6.625232e-01	-6.365533e+00
13	1.345642e+01	5.524762e+01	3.176136e+00	6.984141e-01	-6.524006e+00
12	1.590086e+01	6.636410e+01	3.334434e+00	7.215316e-01	-6.654062e+00
11	1.842623e+01	7.803462e+01	3.502807e+00	7.429234e-01	-6.741118e+00
10	2.102646e+01	9.029444e+01	3.639622e+00	7.578872e-01	-6.770366e+00
9	2.367906e+01	1.030331e+02	3.747774e+00	7.657842e-01	-6.726667e+00
8	2.635931e+01	1.161503e+02	3.818011e+00	7.648329e-01	-6.594414e+00
7	2.903622e+01	1.295134e+02	3.844041e+00	7.534839e-01	-6.357414e+00
6	3.167342e+01	1.429675e+02	3.819264e+00	7.301535e-01	-5.998741e+00
5	3.422895e+01	1.563349e+02	3.731176e+00	6.925024e-01	-5.500623e+00
4	3.665271e+01	1.693941e+02	3.588893e+00	6.407486e-01	-4.844348e+00
3	3.889533e+01	1.819552e+02	3.314759e+00	5.646776e-01	-4.010163e+00
2	4.087170e+01	1.935568e+02	2.958506e+00	4.686643e-01	-2.932611e+00
1	4.263388e+01	2.046808e+02	2.964017e+00	3.415870e-01	-1.199768e+00
0	4.449553e+01	2.208347e+02	2.964017e+00	3.415870e-01	-1.199768e+00

## SHEARWALL no. 5

-----

piano	Mx [kNm]	My [kNm]	Tx [kN]	Ty [kN]	Mz [kNm]
19	1.000000e-99	1.000000e-99	-4.229930e-03	-1.476019e+01	-2.524843e+00
18	-8.856117e+01	-2.537958e-02	-1.674372e-03	-5.524043e+00	-2.578922e+00
17	-1.106573e+02	-3.207707e-02	2.290944e-04	-2.136268e+00	-2.646769e+00
16	-1.192024e+02	-3.116069e-02	-3.978002e-05	8.298061e-01	-2.722570e+00
15	-1.162981e+02	-3.129992e-02	2.349079e-03	5.837468e+00	-2.799914e+00
14	-9.586695e+01	-2.307815e-02	3.503554e-03	1.119610e+01	-2.877839e+00
13	-5.668060e+01	-1.081571e-02	5.103284e-03	1.624609e+01	-2.949485e+00
12	1.807242e-01	7.045788e-03	6.582508e-03	2.135844e+01	-3.008282e+00
11	7.493526e+01	3.008457e-02	8.100417e-03	2.649141e+01	-3.047640e+00
10	1.676552e+02	5.843603e-02	9.620018e-03	3.167686e+01	-3.060863e+00
9	2.785242e+02	9.210609e-02	1.116191e-02	3.695248e+01	-3.041107e+00
8	4.078579e+02	1.311728e-01	1.272516e-02	4.233130e+01	-2.981316e+00
7	5.560174e+02	1.757108e-01	1.432139e-02	4.785865e+01	-2.874169e+00
6	7.235227e+02	2.258357e-01	1.595301e-02	5.354629e+01	-2.712014e+00
5	9.109347e+02	2.816712e-01	1.762040e-02	5.941999e+01	-2.486816e+00
4	1.118905e+03	3.433426e-01	1.933435e-02	6.545910e+01	-2.190116e+00
3	1.348012e+03	4.110128e-01	2.105678e-02	7.179775e+01	-1.812983e+00
2	1.599304e+03	4.847116e-01	2.298299e-02	7.893463e+01	-1.325825e+00
1	1.896098e+03	5.711276e-01	2.706785e-02	9.064349e+01	-5.424117e-01
0	2.390105e+03	7.186474e-01	2.706785e-02	9.064349e+01	-5.424117e-01

## OPEN SHEARWALL no. 1

-----

piano	Mx [kNm]	My [kNm]	B[kNm^2]	Tx [kN]	Ty [kN]	Mz,VL [kNm]	Mz,SV [kNm]	Mz,TOT [kNm]
19	1.00E-99	1.00E-99	1.00E-99	-3.06E+00	-7.67E+00	5.91E-01	-4.67E+00	-4.08E+00
18	-4.60E+01	-1.84E+01	-3.22E+00	-1.22E+00	-2.16E+00	2.98E-01	-4.77E+00	-4.47E+00
17	-5.47E+01	-2.33E+01	-4.34E+00	1.54E-01	2.89E-01	2.38E-01	-4.90E+00	-4.66E+00
16	-5.35E+01	-2.26E+01	-5.17E+00	-3.50E-02	2.06E+00	1.44E-01	-5.04E+00	-4.89E+00
15	-4.63E+01	-2.28E+01	-5.68E+00	1.69E+00	5.37E+00	2.02E-02	-5.18E+00	-5.16E+00
14	-2.75E+01	-1.69E+01	-5.75E+00	2.52E+00	8.60E+00	-1.46E-01	-5.32E+00	-5.47E+00
13	2.57E+00	-8.03E+00	-5.24E+00	3.68E+00	1.18E+01	-2.89E-01	-5.46E+00	-5.75E+00
12	4.37E+01	4.85E+00	-4.22E+00	4.75E+00	1.49E+01	-4.39E-01	-5.57E+00	-6.00E+00
11	9.59E+01	2.15E+01	-2.69E+00	5.84E+00	1.81E+01	-5.90E-01	-5.64E+00	-6.23E+00
10	1.59E+02	4.19E+01	-6.21E-01	6.94E+00	2.13E+01	-7.45E-01	-5.66E+00	-6.41E+00
9	2.34E+02	6.62E+01	1.99E+00	8.06E+00	2.45E+01	-9.04E-01	-5.63E+00	-6.53E+00
8	3.19E+02	9.44E+01	5.15E+00	9.19E+00	2.77E+01	-1.07E+00	-5.52E+00	-6.58E+00
7	4.16E+02	1.27E+02	8.89E+00	1.03E+01	3.11E+01	-1.24E+00	-5.32E+00	-6.56E+00
6	5.25E+02	1.63E+02	1.32E+01	1.15E+01	3.44E+01	-1.42E+00	-5.02E+00	-6.44E+00
5	6.46E+02	2.03E+02	1.82E+01	1.27E+01	3.79E+01	-1.61E+00	-4.60E+00	-6.22E+00
4	7.78E+02	2.48E+02	2.39E+01	1.40E+01	4.14E+01	-1.82E+00	-4.05E+00	-5.87E+00
3	9.23E+02	2.97E+02	3.02E+01	1.52E+01	4.50E+01	-2.03E+00	-3.35E+00	-5.39E+00
2	1.08E+03	3.50E+02	3.84E+01	1.66E+01	4.91E+01	-2.28E+00	-2.45E+00	-4.73E+00
1	1.27E+03	4.12E+02	4.75E+01	1.96E+01	5.58E+01	-2.68E+00	-1.00E+00	-3.68E+00
0	1.57E+03	5.19E+02	6.35E+01	1.96E+01	5.58E+01	-3.68E+00	1.00E-99	-3.68E+00

OPEN SHEARWALL no. 2

-----

	Mx	My	B	Tx	Ty	Mz,VL	Mz,SV	Mz,TOT
piano	[kNm]	[kNm]	[kNm <sup>2</sup> ]	[kN]	[kN]	[kNm]	[kNm]	[kNm]
19	1.00E-99	1.00E-99	1.00E-99	-7.79E+00	-4.69E+00	3.58E+00	-2.42E+01	-2.07E+01
18	-2.81E+01	-4.68E+01	-1.95E+01	-9.94E+00	4.34E+00	1.81E+00	-2.48E+01	-2.30E+01
17	-1.07E+01	-8.65E+01	-2.63E+01	-1.17E+01	1.21E+01	1.44E+00	-2.54E+01	-2.40E+01
16	3.75E+01	-1.33E+02	-3.13E+01	-1.59E+01	1.43E+01	8.71E-01	-2.61E+01	-2.53E+01
15	8.74E+01	-1.89E+02	-3.44E+01	-1.69E+01	2.26E+01	1.22E-01	-2.69E+01	-2.68E+01
14	1.67E+02	-2.48E+02	-3.48E+01	-1.96E+01	2.80E+01	-8.83E-01	-2.76E+01	-2.85E+01
13	2.64E+02	-3.17E+02	-3.17E+01	-2.15E+01	3.43E+01	-1.75E+00	-2.83E+01	-3.01E+01
12	3.85E+02	-3.92E+02	-2.56E+01	-2.36E+01	4.04E+01	-2.66E+00	-2.89E+01	-3.15E+01
11	5.26E+02	-4.75E+02	-1.63E+01	-2.55E+01	4.64E+01	-3.58E+00	-2.93E+01	-3.28E+01
10	6.88E+02	-5.64E+02	-3.76E+00	-2.73E+01	5.23E+01	-4.51E+00	-2.94E+01	-3.39E+01
9	8.71E+02	-6.59E+02	1.20E+01	-2.89E+01	5.82E+01	-5.48E+00	-2.92E+01	-3.47E+01
8	1.07E+03	-7.61E+02	3.12E+01	-3.04E+01	6.39E+01	-6.48E+00	-2.86E+01	-3.51E+01
7	1.30E+03	-8.67E+02	5.39E+01	-3.17E+01	6.95E+01	-7.53E+00	-2.76E+01	-3.51E+01
6	1.54E+03	-9.78E+02	8.02E+01	-3.27E+01	7.51E+01	-8.63E+00	-2.60E+01	-3.47E+01
5	1.80E+03	-1.09E+03	1.10E+02	-3.35E+01	8.04E+01	-9.79E+00	-2.39E+01	-3.37E+01
4	2.09E+03	-1.21E+03	1.45E+02	-3.40E+01	8.56E+01	-1.10E+01	-2.10E+01	-3.20E+01
3	2.39E+03	-1.33E+03	1.83E+02	-3.41E+01	9.05E+01	-1.23E+01	-1.74E+01	-2.97E+01
2	2.70E+03	-1.45E+03	2.32E+02	-3.40E+01	9.57E+01	-1.38E+01	-1.27E+01	-2.65E+01
1	3.06E+03	-1.58E+03	2.88E+02	-3.20E+01	1.06E+02	-1.62E+01	-5.21E+00	-2.14E+01
0	3.64E+03	-1.75E+03	3.85E+02	-3.20E+01	1.06E+02	-2.14E+01	1.00E-99	-2.14E+01

## FRAME no. 1

-----

piano	Tx [kN]	Ty [kN]
18	5.327552e-01	-4.730002e-05
17	-3.944288e+00	4.301835e-04
16	1.524876e+00	-1.580196e-04
15	-3.004413e+00	3.074103e-04
14	-1.043883e+00	9.230834e-05
13	-1.674450e+00	1.487076e-04
12	-1.632337e+00	1.343895e-04
11	-1.752064e+00	1.372423e-04
10	-1.812562e+00	1.344046e-04
9	-1.864381e+00	1.315263e-04
8	-1.888252e+00	1.269386e-04
7	-1.880819e+00	1.207492e-04
6	-1.841270e+00	1.130198e-04
5	-1.739949e+00	1.021921e-04
4	-1.661625e+00	9.343438e-05
3	-1.243355e+00	6.564845e-05
2	-7.342433e-01	3.911425e-05
1	-4.478523e+00	2.254211e-04
0	-4.478523e+00	2.254211e-04

## FRAME no. 2

-----

piano	Tx [kN]	Ty [kN]
19	6.257172e-02	3.212817e-05
18	3.604069e-02	2.819783e-05
17	3.907760e-02	3.299861e-05
16	1.593124e-02	3.868363e-05
15	7.667868e-03	3.888007e-05
14	-1.630238e-02	3.991446e-05
13	-3.507010e-02	4.054447e-05
12	-5.563968e-02	4.104896e-05
11	-7.573490e-02	4.129376e-05
10	-9.537646e-02	4.124955e-05
9	-1.140093e-01	4.086203e-05
8	-1.311545e-01	4.008008e-05
7	-1.463024e-01	3.885330e-05
6	-1.588646e-01	3.712966e-05
5	-1.681868e-01	3.484503e-05
4	-1.735799e-01	3.197544e-05
3	-1.741939e-01	2.833647e-05
2	-1.710396e-01	2.400911e-05
1	-1.362451e-01	1.501866e-05
0	-1.362451e-01	1.501866e-05

## FRAME no. 3

-----

piano	Tx [kN]	Ty [kN]
19	3.296707e-01	3.212817e-05
18	2.834988e-01	2.819783e-05
17	3.356744e-01	3.299861e-05
16	3.787817e-01	3.868363e-05
15	3.830843e-01	3.888007e-05
14	3.844167e-01	3.991446e-05
13	3.859203e-01	4.054447e-05
12	3.850099e-01	4.104896e-05
11	3.818549e-01	4.129376e-05
10	3.759406e-01	4.124955e-05
9	3.669404e-01	4.086203e-05
8	3.544703e-01	4.008008e-05
7	3.381784e-01	3.885330e-05
6	3.177247e-01	3.712966e-05
5	2.926413e-01	3.484503e-05
4	2.629882e-01	3.197544e-05
3	2.268235e-01	2.833647e-05
2	1.850019e-01	2.400911e-05
1	1.108837e-01	1.501866e-05
0	1.108837e-01	1.501866e-05



## FRAME no. 4

-----

piano	Tx [kN]	Ty [kN]
19	2.140656e+00	1.126419e-04
18	1.984164e+00	1.035472e-04
17	2.234127e+00	1.156788e-04
16	2.643934e+00	1.362005e-04
15	2.642274e+00	1.347885e-04
14	2.701673e+00	1.367561e-04
13	2.736186e+00	1.372629e-04
12	2.761904e+00	1.373363e-04
11	2.769219e+00	1.364837e-04
10	2.755042e+00	1.345992e-04
9	2.714606e+00	1.314790e-04
8	2.643420e+00	1.269399e-04
7	2.536830e+00	1.207912e-04
6	2.390164e+00	1.128444e-04
5	2.197866e+00	1.028765e-04
4	1.957047e+00	9.077567e-05
3	1.653551e+00	7.597430e-05
2	1.283871e+00	5.821152e-05
1	5.267621e-01	2.274509e-05
0	5.267621e-01	2.274509e-05

## FRAME no. 5

-----

piano	Tx [kN]	Ty [kN]	
19	6.420921e+00	-2.450368e-06	
18	5.785090e+00	-2.072159e-06	
17	6.640940e+00	-2.343611e-06	
16	7.871412e+00	-2.556140e-06	
15	7.895371e+00	-2.473851e-06	
14	8.124096e+00	-2.357926e-06	
13	8.267379e+00	-2.241762e-06	
12	8.387872e+00	-2.107270e-06	
11	8.453066e+00	-1.959552e-06	
10	8.454589e+00	-1.798379e-06	
9	8.377947e+00	-1.624960e-06	
8	8.209576e+00	-1.440504e-06	
7	7.935482e+00	-1.246516e-06	
6	7.541457e+00	-1.044997e-06	
5	7.010326e+00	-8.380313e-07	
4	6.333602e+00	-6.295847e-07	
3	5.466447e+00	-4.187073e-07	
2	4.413380e+00	-2.013184e-07	
1	2.187714e+00	4.754933e-08	
0	2.187714e+00	4.754933e-08	

## FRAME no. 6

-----

piano	Tx [kN]	Ty [kN]	
19	5.999034e+00	-2.450368e-06	
18	5.396014e+00	-2.072159e-06	
17	6.189047e+00	-2.343611e-06	
16	7.324518e+00	-2.556140e-06	
15	7.337873e+00	-2.473851e-06	
14	7.538939e+00	-2.357926e-06	
13	7.660833e+00	-2.241762e-06	
12	7.761189e+00	-2.107270e-06	
11	7.810341e+00	-1.959552e-06	
10	7.800798e+00	-1.798379e-06	
9	7.719450e+00	-1.624960e-06	
8	7.554071e+00	-1.440504e-06	
7	7.292051e+00	-1.246516e-06	
6	6.920618e+00	-1.044997e-06	
5	6.424323e+00	-8.380313e-07	
4	5.795658e+00	-6.295847e-07	
3	4.994059e+00	-4.187073e-07	
2	4.023083e+00	-2.013184e-07	
1	1.982372e+00	4.754933e-08	
0	1.982372e+00	4.754933e-08	

FRAME no. 7

-----

piano	Tx [kN]	Ty [kN]	
19	5.577147e+00	-2.450368e-06	
18	5.006938e+00	-2.072159e-06	
17	5.737155e+00	-2.343611e-06	
16	6.777625e+00	-2.556140e-06	
15	6.780376e+00	-2.473851e-06	
14	6.953783e+00	-2.357926e-06	
13	7.054288e+00	-2.241762e-06	
12	7.134506e+00	-2.107270e-06	
11	7.167616e+00	-1.959552e-06	
10	7.147006e+00	-1.798379e-06	
9	7.060952e+00	-1.624960e-06	
8	6.898565e+00	-1.440504e-06	
7	6.648621e+00	-1.246516e-06	
6	6.299779e+00	-1.044997e-06	
5	5.838320e+00	-8.380313e-07	
4	5.257714e+00	-6.295847e-07	
3	4.521670e+00	-4.187073e-07	
2	3.632786e+00	-2.013184e-07	
1	1.777031e+00	4.754933e-08	
0	1.777031e+00	4.754933e-08	

## FRAME no. 8

-----

piano	Tx [kN]	Ty [kN]	
19	5.155260e+00	-2.450368e-06	
18	4.617862e+00	-2.072159e-06	
17	5.285262e+00	-2.343611e-06	
16	6.230731e+00	-2.556140e-06	
15	6.222878e+00	-2.473851e-06	
14	6.368626e+00	-2.357926e-06	
13	6.447743e+00	-2.241762e-06	
12	6.507823e+00	-2.107270e-06	
11	6.524890e+00	-1.959552e-06	
10	6.493214e+00	-1.798379e-06	
9	6.402455e+00	-1.624960e-06	
8	6.243059e+00	-1.440504e-06	
7	6.005190e+00	-1.246516e-06	
6	5.678940e+00	-1.044997e-06	
5	5.252318e+00	-8.380313e-07	
4	4.719770e+00	-6.295847e-07	
3	4.049281e+00	-4.187073e-07	
2	3.242489e+00	-2.013184e-07	
1	1.571689e+00	4.754933e-08	
0	1.571689e+00	4.754933e-08	

## FRAME no. 9

-----

piano	Tx [kN]	Ty [kN]	
19	4.733372e+00	-2.450368e-06	
18	4.228786e+00	-2.072159e-06	
17	4.833370e+00	-2.343611e-06	
16	5.683838e+00	-2.556140e-06	
15	5.665380e+00	-2.473851e-06	
14	5.783469e+00	-2.357926e-06	
13	5.841197e+00	-2.241762e-06	
12	5.881140e+00	-2.107270e-06	
11	5.882165e+00	-1.959552e-06	
10	5.839422e+00	-1.798379e-06	
9	5.743958e+00	-1.624960e-06	
8	5.587553e+00	-1.440504e-06	
7	5.361759e+00	-1.246516e-06	
6	5.058102e+00	-1.044997e-06	
5	4.666315e+00	-8.380313e-07	
4	4.181825e+00	-6.295847e-07	
3	3.576892e+00	-4.187073e-07	
2	2.852193e+00	-2.013184e-07	
1	1.366347e+00	4.754933e-08	
0	1.366347e+00	4.754933e-08	

FRAME no. 10

-----

piano	Tx [kN]	Ty [kN]	
19	4.311485e+00	-2.450368e-06	
18	3.839710e+00	-2.072159e-06	
17	4.381477e+00	-2.343611e-06	
16	5.136944e+00	-2.556140e-06	
15	5.107883e+00	-2.473851e-06	
14	5.198312e+00	-2.357926e-06	
13	5.234652e+00	-2.241762e-06	
12	5.254457e+00	-2.107270e-06	
11	5.239440e+00	-1.959552e-06	
10	5.185631e+00	-1.798379e-06	
9	5.085460e+00	-1.624960e-06	
8	4.932048e+00	-1.440504e-06	
7	4.718328e+00	-1.246516e-06	
6	4.437263e+00	-1.044997e-06	
5	4.080312e+00	-8.380313e-07	
4	3.643881e+00	-6.295847e-07	
3	3.104503e+00	-4.187073e-07	
2	2.461896e+00	-2.013184e-07	
1	1.161005e+00	4.754933e-08	
0	1.161005e+00	4.754933e-08	

FRAME no. 11

-----

piano	Tx [kN]	Ty [kN]	
19	3.889598e+00	-2.450368e-06	
18	3.450634e+00	-2.072159e-06	
17	3.929585e+00	-2.343611e-06	
16	4.590051e+00	-2.556140e-06	
15	4.550385e+00	-2.473851e-06	
14	4.613155e+00	-2.357926e-06	
13	4.628107e+00	-2.241762e-06	
12	4.627774e+00	-2.107270e-06	
11	4.596715e+00	-1.959552e-06	
10	4.531839e+00	-1.798379e-06	
9	4.426963e+00	-1.624960e-06	
8	4.276542e+00	-1.440504e-06	
7	4.074897e+00	-1.246516e-06	
6	3.816424e+00	-1.044997e-06	
5	3.494310e+00	-8.380313e-07	
4	3.105937e+00	-6.295847e-07	
3	2.632114e+00	-4.187073e-07	
2	2.071599e+00	-2.013184e-07	
1	9.556633e-01	4.754933e-08	
0	9.556633e-01	4.754933e-08	



## FRAME no. 12

-----

piano	Tx [kN]	Ty [kN]	
19	3.467711e+00	-2.450368e-06	
18	3.061558e+00	-2.072159e-06	
17	3.477692e+00	-2.343611e-06	
16	4.043157e+00	-2.556140e-06	
15	3.992887e+00	-2.473851e-06	
14	4.027998e+00	-2.357926e-06	
13	4.021561e+00	-2.241762e-06	
12	4.001090e+00	-2.107270e-06	
11	3.953990e+00	-1.959552e-06	
10	3.878047e+00	-1.798379e-06	
9	3.768465e+00	-1.624960e-06	
8	3.621036e+00	-1.440504e-06	
7	3.431467e+00	-1.246516e-06	
6	3.195585e+00	-1.044997e-06	
5	2.908307e+00	-8.380313e-07	
4	2.567993e+00	-6.295847e-07	
3	2.159726e+00	-4.187073e-07	
2	1.681302e+00	-2.013184e-07	
1	7.503215e-01	4.754933e-08	
0	7.503215e-01	4.754933e-08	

FRAME no. 13

-----

piano	Tx [kN]	Ty [kN]	
19	3.045823e+00	-2.450368e-06	
18	2.672482e+00	-2.072159e-06	
17	3.025800e+00	-2.343611e-06	
16	3.496264e+00	-2.556140e-06	
15	3.435390e+00	-2.473851e-06	
14	3.442842e+00	-2.357926e-06	
13	3.415016e+00	-2.241762e-06	
12	3.374407e+00	-2.107270e-06	
11	3.311264e+00	-1.959552e-06	
10	3.224255e+00	-1.798379e-06	
9	3.109968e+00	-1.624960e-06	
8	2.965531e+00	-1.440504e-06	
7	2.788036e+00	-1.246516e-06	
6	2.574746e+00	-1.044997e-06	
5	2.322305e+00	-8.380313e-07	
4	2.030049e+00	-6.295847e-07	
3	1.687337e+00	-4.187073e-07	
2	1.291005e+00	-2.013184e-07	
1	5.449797e-01	4.754933e-08	
0	5.449797e-01	4.754933e-08	

FRAME no. 14

-----

piano	Tx [kN]	Ty [kN]	
19	2.623936e+00	-2.450368e-06	
18	2.283407e+00	-2.072159e-06	
17	2.573907e+00	-2.343611e-06	
16	2.949370e+00	-2.556140e-06	
15	2.877892e+00	-2.473851e-06	
14	2.857685e+00	-2.357926e-06	
13	2.808471e+00	-2.241762e-06	
12	2.747724e+00	-2.107270e-06	
11	2.668539e+00	-1.959552e-06	
10	2.570464e+00	-1.798379e-06	
9	2.451471e+00	-1.624960e-06	
8	2.310025e+00	-1.440504e-06	
7	2.144605e+00	-1.246516e-06	
6	1.953907e+00	-1.044997e-06	
5	1.736302e+00	-8.380313e-07	
4	1.492105e+00	-6.295847e-07	
3	1.214948e+00	-4.187073e-07	
2	9.007086e-01	-2.013184e-07	
1	3.396379e-01	4.754933e-08	
0	3.396379e-01	4.754933e-08	

## FRAME no. 15

-----

piano	Tx [kN]	Ty [kN]	
19	2.202049e+00	-2.450368e-06	
18	1.894331e+00	-2.072159e-06	
17	2.122015e+00	-2.343611e-06	
16	2.402477e+00	-2.556140e-06	
15	2.320394e+00	-2.473851e-06	
14	2.272528e+00	-2.357926e-06	
13	2.201925e+00	-2.241762e-06	
12	2.121041e+00	-2.107270e-06	
11	2.025814e+00	-1.959552e-06	
10	1.916672e+00	-1.798379e-06	
9	1.792973e+00	-1.624960e-06	
8	1.654519e+00	-1.440504e-06	
7	1.501174e+00	-1.246516e-06	
6	1.333069e+00	-1.044997e-06	
5	1.150299e+00	-8.380313e-07	
4	9.541610e-01	-6.295847e-07	
3	7.425593e-01	-4.187073e-07	
2	5.104118e-01	-2.013184e-07	
1	1.342961e-01	4.754933e-08	
0	1.342961e-01	4.754933e-08	

%%%%%%%%%%  
%%%%%%%%%

%%%%%%%%%%  
%%%%%%%%%

%%		%%
%%	Ta.Bu.	%%
%%	Tall Building Structural system	%%
%%	Static and Dynamic Analysis	%%
%%	Version 1.2 - November 2018	%%
%%		%%
%%	Politecnico di Torino	%%
%%	Department of Structural, Geotechnical	%%
%%	and Building Engineering (DISEG)	%%
%%		%%
%%	Authors:	%%
%%	Alberto Carpinteri	%%
%%	Giuseppe Lacidogna	%%
%%	Sandro Cammarano	%%
%%	Giuseppe Nitti	%%
%%		%%

%%%%%%%%%%  
%%%%%%%%%

%%%%%%%%%%  
%%%%%%%%%

Risultati relativi al progetto: nuovo\_progetto\_1.mat

Questo file è stato creato il giorno 18 May. 2020 alle ore 17:34:41

\*\*\*\*\*

# Descrizione della struttura

Numero di SHEARWALLS = 5

Numero di OPENSHEARWALLS = 2

Numero di TELAI = 15

Numero totale di piani = 19

\*\*\*\*\*

# Geometria della struttura

SHEARWALL no. 1

-----

Numero di piani di questo elemento: 19

Coordinate del baricentro della sezione:

XG = -25.21 m

YG = -1.29 m

Momenti di inerzia:

Jx = 4.049479e-03 m^4

Jy = 6.266715e-01 m^4

Angolo di rotazione degli assi principali

OMEGA = 0.00 DEG

Fattore di rigidezza torsionale:

Jt = 1.619792e-02 m^4

SHEARWALL no. 2

-----

Numero di piani di questo elemento: 19

Coordinate del baricentro della sezione:

$$XG = -24.72 \text{ m}$$

$$YG = 1.04 \text{ m}$$

Momenti di inerzia:

$$Jx = 1.166503e-01 \text{ m}^4$$

$$Jy = 1.281852e+00 \text{ m}^4$$

Angolo di rotazione degli assi principali

$$OMEGA = -13.75 \text{ DEG}$$

Fattore di rigidezza torsionale:

$$Jt = 2.359375e-02 \text{ m}^4$$

SHEARWALL no. 3

-----

Numero di piani di questo elemento: 19

Coordinate del baricentro della sezione:

$$XG = 25.21 \text{ m}$$

$$YG = -1.29 \text{ m}$$

Momenti di inerzia:

$$Jx = 4.049479e-03 \text{ m}^4$$

$$Jy = 6.266715e-01 \text{ m}^4$$

Angolo di rotazione degli assi principali

$$OMEGA = 0.00 \text{ DEG}$$

Fattore di rigidezza torsionale:

$$Jt = 1.619792e-02 \text{ m}^4$$

SHEARWALL no. 4

-----

Numero di piani di questo elemento: 19

Coordinate del baricentro della sezione:

$$XG = 24.72 \text{ m}$$

$$YG = 1.04 \text{ m}$$

Momenti di inerzia:

$$Jx = 1.166503e-01 \text{ m}^4$$

$$Jy = 1.281852e+00 \text{ m}^4$$

Angolo di rotazione degli assi principali

$$OMEGA = 13.75 \text{ DEG}$$

Fattore di rigidezza torsionale:

$$Jt = 2.359375e-02 \text{ m}^4$$

SHEARWALL no. 5

-----

Numero di piani di questo elemento: 19

Coordinate del baricentro della sezione:

$$XG = -9.93 \text{ m}$$

$$YG = 4.69 \text{ m}$$

Momenti di inerzia:

$$Jx = 1.066667e+00 \text{ m}^4$$

$$Jy = 2.666667e-03 \text{ m}^4$$

Angolo di rotazione degli assi principali

$$OMEGA = 0.00 \text{ DEG}$$

Fattore di rigidezza torsionale:

$$Jt = 1.066667e-02 \text{ m}^4$$

OPEN SHEARWALL no. 1

-----

Numero di piani di questo elemento: 19



Coordinate del baricentro della sezione:

$$XG = 1.10 \text{ m}$$

$$YG = 2.92 \text{ m}$$

Coordinate del centro di taglio della sezione:

$$XC = 1.10 \text{ m}$$

$$YC = 4.72 \text{ m}$$

Momenti di inerzia:

$$J_x = 9.465081\text{e-}01 \text{ m}^4$$

$$J_y = 1.915333\text{e+}00 \text{ m}^4$$

$$J_{xy} = 0.000000\text{e+}00 \text{ m}^4$$

Angolo di rotazione degli assi principali

$$\text{OMEGA} = 0.00 \text{ DEG}$$

Momenti di inerzia settoriali:

$$J_{\omega} = 1.136062\text{e+}00 \text{ m}^6$$

$$J_{x\omega} = 0.000000\text{e+}00 \text{ m}^5$$

$$J_{y\omega} = 0.000000\text{e+}00 \text{ m}^5$$

Fattore di rigidezza torsionale:

$$J_t = 1.973333\text{e-}02 \text{ m}^4$$

OPEN SHEARWALL no. 2

-----

Numero di piani di questo elemento: 19

Coordinate del baricentro della sezione:

$$XG = 16.21 \text{ m}$$

$$YG = 3.27 \text{ m}$$

Coordinate del centro di taglio della sezione:

$$XC = 15.29 \text{ m}$$

$$YC = 4.02 \text{ m}$$

Momenti di inerzia:

$$Jx = 3.949618e+00 \text{ m}^4$$

$$Jy = 9.658406e+00 \text{ m}^4$$

$$Jxy = 0.000000e+00 \text{ m}^4$$

Angolo di rotazione degli assi principali

$$OMEGA = -25.58 \text{ DEG}$$

Momenti di inerzia settoriali:

$$Jomega = 6.884352e+00 \text{ m}^6$$

$$Jxomega = 0.000000e+00 \text{ m}^5$$

$$Jyomega = 0.000000e+00 \text{ m}^5$$

Fattore di rigidezza torsionale:

$$Jt = 1.024200e-01 \text{ m}^4$$

FRAME no. 1

-----

Numero di piani di questo elemento: 18

Coordinate del centro del telaio:

$$X = 0.00 \text{ m}$$

$$Y = -6.75 \text{ m}$$

FRAME no. 2

-----

Numero di piani di questo elemento: 19

Coordinate del centro del telaio:

$$X = 0.00 \text{ m}$$

$$Y = -2.25 \text{ m}$$

FRAME no. 3

-----

Numero di piani di questo elemento: 19

Coordinate del centro del telaio:

$$X = 0.00 \text{ m}$$

$$Y = 2.25 \text{ m}$$

FRAME no. 4

-----

Numero di piani di questo elemento: 19

Coordinate del centro del telaio:

$$X = 0.00 \text{ m}$$

$$Y = 6.75 \text{ m}$$

FRAME no. 5

-----

Numero di piani di questo elemento: 19

Coordinate del centro del telaio:

$$X = -25.00 \text{ m}$$

$$Y = 0.00 \text{ m}$$

FRAME no. 6

-----

Numero di piani di questo elemento: 19

Coordinate del centro del telaio:

$X = -20.00 \text{ m}$

$Y = 0.00 \text{ m}$

FRAME no. 7

-----

Numero di piani di questo elemento: 19

Coordinate del centro del telaio:

$X = -15.00 \text{ m}$

$Y = 0.00 \text{ m}$

FRAME no. 8

-----

Numero di piani di questo elemento: 19

Coordinate del centro del telaio:

$X = -10.00 \text{ m}$

$Y = 0.00 \text{ m}$

FRAME no. 9

-----

Numero di piani di questo elemento: 19

Coordinate del centro del telaio:

$X = -5.00 \text{ m}$

$Y = 0.00 \text{ m}$

FRAME no. 10

-----

Numero di piani di questo elemento: 19

Coordinate del centro del telaio:

X = 0.00 m

Y = 0.00 m

FRAME no. 11

-----

Numero di piani di questo elemento: 19

Coordinate del centro del telaio:

X = 5.00 m

Y = 0.00 m

FRAME no. 12

-----

Numero di piani di questo elemento: 19

Coordinate del centro del telaio:

X = 10.00 m

Y = 0.00 m

FRAME no. 13

-----

Numero di piani di questo elemento: 19

Coordinate del centro del telaio:

X = 15.00 m

Y = 0.00 m

FRAME no. 14

-----

Numero di piani di questo elemento: 19

Coordinate del centro del telaio:

X = 20.00 m

Y = 0.00 m

FRAME no. 15

-----

Numero di piani di questo elemento: 19

Coordinate del centro del telaio:

X = 25.00 m

Y = 0.00 m

\*\*\*\*\*

Spostamenti dell'origine del sistema di riferimento:

piano	quota	delta x [m]	delta y [m]	rotazioni [rad]
19	72.21	3.710267e-02	2.356574e-03	7.372860e-04
18	66.21	3.305445e-02	2.041979e-03	6.648683e-04
17	62.21	3.035803e-02	1.833925e-03	6.163757e-04
16	58.21	2.766810e-02	1.628569e-03	5.676347e-04
15	54.71	2.532282e-02	1.453686e-03	5.245624e-04
14	51.21	2.299288e-02	1.283940e-03	4.811960e-04
13	47.71	2.068581e-02	1.120949e-03	4.375458e-04
12	44.21	1.841180e-02	9.658742e-04	3.937472e-04
11	40.71	1.618308e-02	8.197931e-04	3.500058e-04
10	37.21	1.401385e-02	6.837043e-04	3.065953e-04
9	33.71	1.192026e-02	5.585161e-04	2.638584e-04
8	30.21	9.920394e-03	4.450336e-04	2.222073e-04
7	26.71	8.034211e-03	3.439400e-04	1.821249e-04
6	23.21	6.283525e-03	2.557734e-04	1.441661e-04
5	19.71	4.691969e-03	1.808999e-04	1.089598e-04
4	16.21	3.284948e-03	1.194800e-04	7.721108e-05
3	12.71	2.089592e-03	7.143226e-05	4.970315e-05
2	9.21	1.134687e-03	3.639001e-05	2.729983e-05
1	5.45	4.115923e-04	1.236196e-05	1.001320e-05
0	0.00	0.000000000000	0.000000000000	0.000000000000

\*\*\*\*\*

## Carichi orizzontali agenti sull'intera struttura

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.340000e+01	0	0
18	66.21	2.340000e+01	0	0
17	62.21	23	0	0
16	58.21	1.970000e+01	0	0
15	54.71	1.930000e+01	0	0
14	51.21	1.890000e+01	0	0
13	47.71	1.850000e+01	0	0
12	44.21	18	0	0
11	40.71	1.750000e+01	0	0
10	37.21	17	0	0
9	33.71	1.640000e+01	0	0
8	30.21	1.580000e+01	0	0
7	26.71	1.510000e+01	0	0
6	23.21	1.440000e+01	0	0
5	19.71	1.350000e+01	0	0
4	16.21	1.240000e+01	0	0
3	12.71	1.120000e+01	0	0
2	9.21	1.170000e+01	0	0
1	5.45	17	0	0

\*\*\*\*\*



Carichi ripartiti sui singoli elementi ridotti all'origine del sistema di riferimento globale

## SHEARWALL no. 1

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.450153e-01	1.022805e-02	2.539651e+00
18	66.21	1.653907e+00	-1.366280e-02	2.488917e+00
17	62.21	-1.650807e+00	4.081639e-02	-3.145548e+00
16	58.21	4.369259e+00	-6.107199e-02	7.200560e+00
15	54.71	-1.636925e+00	3.883402e-02	-3.073172e+00
14	51.21	2.286736e+00	-2.655803e-02	3.635960e+00
13	47.71	6.922828e-01	-2.465773e-04	9.079740e-01
12	44.21	1.081980e+00	-7.014832e-03	1.569204e+00
11	40.71	9.618240e-01	-5.318857e-03	1.355376e+00
10	37.21	9.756247e-01	-5.876659e-03	1.367110e+00
9	33.71	9.521587e-01	-5.895032e-03	1.313089e+00
8	30.21	9.394031e-01	-6.116559e-03	1.273855e+00
7	26.71	9.215438e-01	-6.337586e-03	1.223789e+00
6	23.21	9.045229e-01	-6.599995e-03	1.171506e+00
5	19.71	8.857747e-01	-6.982281e-03	1.115544e+00
4	16.21	8.306943e-01	-6.901988e-03	9.964556e-01
3	12.71	8.796670e-01	-8.671767e-03	1.053500e+00
2	9.21	9.085239e-01	-9.131660e-03	1.031391e+00
1	5.45	3.558932e-01	2.004204e-03	-1.588848e-01

## SHEARWALL no. 2

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.688637e-02	2.999626e-01	-3.827880e+00
18	66.21	3.768066e+00	-1.241636e+00	2.679711e+01
17	62.21	-5.011300e+00	2.330066e+00	-5.237604e+01
16	58.21	1.111746e+01	-4.285931e+00	9.444033e+01
15	54.71	-4.898466e+00	2.245828e+00	-5.040437e+01
14	51.21	5.567131e+00	-2.025538e+00	4.431509e+01
13	47.71	1.326029e+00	-3.002344e-01	6.058081e+00
12	44.21	2.377860e+00	-7.353964e-01	1.570543e+01
11	40.71	2.071260e+00	-6.168445e-01	1.306977e+01
10	37.21	2.122968e+00	-6.449794e-01	1.368224e+01
9	33.71	2.079042e+00	-6.358252e-01	1.346627e+01
8	30.21	2.064841e+00	-6.393254e-01	1.352620e+01
7	26.71	2.040940e+00	-6.406686e-01	1.353672e+01
6	23.21	2.020567e+00	-6.440320e-01	1.358718e+01
5	19.71	2.002457e+00	-6.514888e-01	1.372996e+01
4	16.21	1.894056e+00	-6.251405e-01	1.312414e+01
3	12.71	2.068562e+00	-7.167260e-01	1.513296e+01
2	9.21	2.144579e+00	-7.472994e-01	1.570649e+01
1	5.45	5.812910e-01	-6.825303e-02	2.574207e-01

## SHEARWALL no. 3

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.450153e-01	-5.701878e-03	2.653734e+00
18	66.21	1.653907e+00	1.039737e-02	2.406612e+00
17	62.21	-1.650807e+00	-2.150518e-02	-2.658809e+00
16	58.21	4.369259e+00	3.672683e-02	6.586941e+00
15	54.71	-1.636925e+00	-2.032856e-02	-2.606742e+00
14	51.21	2.286736e+00	1.719881e-02	3.400061e+00
13	47.71	6.922828e-01	2.073700e-03	9.540266e-01
12	44.21	1.081980e+00	5.926169e-03	1.541765e+00
11	40.71	9.618240e-01	4.916922e-03	1.345245e+00
10	37.21	9.756247e-01	5.195664e-03	1.349946e+00
9	33.71	9.521587e-01	5.150621e-03	1.294326e+00
8	30.21	9.394031e-01	5.216542e-03	1.251170e+00
7	26.71	9.215438e-01	5.266688e-03	1.196797e+00
6	23.21	9.045229e-01	5.333948e-03	1.139595e+00
5	19.71	8.857747e-01	5.443362e-03	1.076755e+00
4	16.21	8.306943e-01	5.260865e-03	9.550911e-01
3	12.71	8.796670e-01	6.118746e-03	9.891508e-01
2	9.21	9.085239e-01	6.385106e-03	9.621644e-01
1	5.45	3.558932e-01	3.572705e-04	-9.936387e-02

## SHEARWALL no. 4

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	3.276404e-01	-9.596694e-02	9.023811e-01
18	66.21	3.551085e+00	1.094462e+00	2.338444e+01
17	62.21	-3.728114e+00	-1.459706e+00	-3.219407e+01
16	58.21	9.499778e+00	3.188689e+00	6.899744e+01
15	54.71	-3.668820e+00	-1.411783e+00	-3.106449e+01
14	51.21	4.945232e+00	1.603716e+00	3.453385e+01
13	47.71	1.447437e+00	3.825832e-01	7.967590e+00
12	44.21	2.305521e+00	6.863301e-01	1.456768e+01
11	40.71	2.044552e+00	5.987292e-01	1.264971e+01
10	37.21	2.077717e+00	6.142869e-01	1.297054e+01
9	33.71	2.029578e+00	6.022744e-01	1.268829e+01
8	30.21	2.005037e+00	5.987614e-01	1.258560e+01
7	26.71	1.969781e+00	5.924030e-01	1.241753e+01
6	23.21	1.936441e+00	5.869710e-01	1.226405e+01
5	19.71	1.900199e+00	5.821294e-01	1.212165e+01
4	16.21	1.785007e+00	5.511747e-01	1.140901e+01
3	12.71	1.898919e+00	6.016608e-01	1.246483e+01
2	9.21	1.962077e+00	6.235116e-01	1.283609e+01
1	5.45	7.382056e-01	1.746852e-01	2.725375e+00

## SHEARWALL no. 5

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.287033e-03	1.422679e+00	-1.250389e+01
18	66.21	5.158302e-03	-1.678491e+00	1.665047e+01
17	62.21	-2.156187e-03	5.777073e+00	-5.734781e+01
16	58.21	1.095255e-02	-8.280888e+00	8.219424e+01
15	54.71	-2.343893e-03	5.507040e+00	-5.466254e+01
14	51.21	6.312496e-03	-3.503078e+00	3.476694e+01
13	47.71	2.764605e-03	1.202465e-01	-1.201275e+00
12	44.21	3.593202e-03	-8.148567e-01	8.072463e+00
11	40.71	3.293233e-03	-5.840447e-01	5.771318e+00
10	37.21	3.286609e-03	-6.642041e-01	6.554077e+00
9	33.71	3.188838e-03	-6.711725e-01	6.607787e+00
8	30.21	3.112104e-03	-7.065815e-01	6.941080e+00
7	26.71	3.014924e-03	-7.431576e-01	7.283271e+00
6	23.21	2.916742e-03	-7.859652e-01	7.684484e+00
5	19.71	2.798552e-03	-8.474166e-01	8.267980e+00
4	16.21	2.584698e-03	-8.472420e-01	8.236950e+00
3	12.71	2.587822e-03	-1.103685e+00	1.075000e+01
2	9.21	2.653882e-03	-1.166858e+00	1.133029e+01
1	5.45	1.643084e-03	3.964712e-01	-4.318357e+00

## OPEN SHEARWALL no. 1

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	1.646618e+00	4.477160e-01	-4.339418e+00
18	66.21	3.698975e+00	-2.589085e-01	-1.758360e+01
17	62.21	-1.533203e+00	1.938998e+00	9.032924e+00
16	58.21	7.842378e+00	-2.346358e+00	-3.899473e+01
15	54.71	-1.668807e+00	1.860944e+00	9.609705e+00
14	51.21	4.523082e+00	-8.706167e-01	-2.202683e+01
13	47.71	1.985101e+00	2.253662e-01	-9.091240e+00
12	44.21	2.577603e+00	-6.122594e-02	-1.215661e+01
11	40.71	2.362822e+00	5.232925e-03	-1.110514e+01
10	37.21	2.357857e+00	-2.311351e-02	-1.113277e+01
9	33.71	2.287639e+00	-3.066091e-02	-1.083954e+01
8	30.21	2.232454e+00	-4.738014e-02	-1.063060e+01
7	26.71	2.162587e+00	-6.596755e-02	-1.035973e+01
6	23.21	2.091986e+00	-8.709279e-02	-1.009315e+01
5	19.71	2.006974e+00	-1.164749e-01	-9.772227e+00
4	16.21	1.853439e+00	-1.297597e-01	-9.120210e+00
3	12.71	1.855030e+00	-2.229292e-01	-9.277389e+00
2	9.21	1.902297e+00	-2.418428e-01	-9.603494e+00
1	5.45	1.180554e+00	2.675806e-01	-5.974204e+00

## OPEN SHEARWALL no. 2

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	8.334633e+00	-4.971071e+00	-9.439328e+01
18	66.21	1.418824e+01	2.538340e+00	-1.741838e+01
17	62.21	-3.618209e+00	-9.197942e+00	-1.280798e+02
16	58.21	2.843543e+01	1.181281e+01	6.960424e+01
15	54.71	-4.439507e+00	-8.376934e+00	-1.120872e+02
14	51.21	1.685270e+01	5.057098e+00	1.106525e+01
13	47.71	8.086918e+00	-3.193027e-01	-3.729747e+01
12	44.21	1.008672e+01	1.096004e+00	-2.342691e+01
11	40.71	9.306146e+00	7.749986e-01	-2.538572e+01
10	37.21	9.245537e+00	9.158294e-01	-2.308776e+01
9	33.71	8.951539e+00	9.482616e-01	-2.156260e+01
8	30.21	8.707141e+00	1.021761e+00	-1.962488e+01
7	26.71	8.403295e+00	1.096856e+00	-1.745082e+01
6	23.21	8.094781e+00	1.179304e+00	-1.517104e+01
5	19.71	7.720678e+00	1.289987e+00	-1.221840e+01
4	16.21	7.095917e+00	1.308233e+00	-9.724620e+00
3	12.71	6.992361e+00	1.708764e+00	-3.416545e+00
2	9.21	7.157799e+00	1.801329e+00	-3.091231e+00
1	5.45	4.875243e+00	-5.144422e-01	-3.113114e+01

## FRAME no. 1

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	0	0	0
18	66.21	-3.686834e+00	-2.391874e-06	-2.488613e+01
17	62.21	3.900270e+01	2.681726e-05	2.632682e+02
16	58.21	-4.812996e+01	-3.319129e-05	-3.248773e+02
15	54.71	3.773536e+01	2.550989e-05	2.547137e+02
14	51.21	-1.765529e+01	-1.232702e-05	-1.191732e+02
13	47.71	4.440180e+00	2.760372e-06	2.997122e+01
12	44.21	-1.318278e+00	-1.179085e-06	-8.898376e+00
11	40.71	8.355932e-02	-2.195185e-07	5.640254e-01
10	37.21	-3.708016e-01	-5.168269e-07	-2.502911e+00
9	33.71	-3.600017e-01	-4.864686e-07	-2.430011e+00
8	30.21	-4.796142e-01	-5.346976e-07	-3.237396e+00
7	26.71	-5.838192e-01	-5.583865e-07	-3.940779e+00
6	23.21	-6.806338e-01	-5.727839e-07	-4.594278e+00
5	19.71	-8.818387e-01	-6.111835e-07	-5.952411e+00
4	16.21	-7.173279e-01	-5.115804e-07	-4.841963e+00
3	12.71	-2.021107e+00	-9.031556e-07	-1.364247e+01
2	9.21	-1.719671e+00	-4.872615e-07	-1.160778e+01
1	5.45	1.189666e+01	2.573681e-06	8.030247e+01



## FRAME no. 2

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.627524e+00	2.068553e-06	5.911930e+00
18	66.21	-3.670498e-01	-4.075087e-07	-8.258622e-01
17	62.21	2.538384e-01	6.747446e-07	5.711363e-01
16	58.21	5.136305e-01	-3.614778e-07	1.155669e+00
15	54.71	-1.265810e-01	3.429521e-07	-2.848073e-01
14	51.21	6.305673e-02	-2.906613e-07	1.418777e-01
13	47.71	-1.979715e-02	-5.212507e-08	-4.454359e-02
12	44.21	-1.702886e-02	-1.294682e-07	-3.831491e-02
11	40.71	-3.936680e-02	-1.261693e-07	-8.857529e-02
10	37.21	-5.824188e-02	-1.429607e-07	-1.310442e-01
9	33.71	-8.113309e-02	-1.539838e-07	-1.825494e-01
8	30.21	-1.059383e-01	-1.656275e-07	-2.383613e-01
7	26.71	-1.333034e-01	-1.760062e-07	-2.999327e-01
6	23.21	-1.628029e-01	-1.849598e-07	-3.663066e-01
5	19.71	-1.951028e-01	-1.933785e-07	-4.389814e-01
4	16.21	-2.289420e-01	-1.949177e-07	-5.151195e-01
3	12.71	-2.684171e-01	-2.126711e-07	-6.039385e-01
2	9.21	-3.111903e-01	-2.155938e-07	-7.001783e-01
1	5.45	-6.302041e-01	-1.464095e-07	-1.417959e+00

## FRAME no. 3

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.431616e+00	2.068553e-06	-5.471136e+00
18	66.21	-3.459480e-01	-4.075087e-07	7.783830e-01
17	62.21	2.551314e-01	6.747446e-07	-5.740456e-01
16	58.21	4.399009e-01	-3.614778e-07	-9.897768e-01
15	54.71	-9.865639e-02	3.429521e-07	2.219768e-01
14	51.21	4.181560e-02	-2.906613e-07	-9.408506e-02
13	47.71	-2.135984e-02	-5.212507e-08	4.805964e-02
12	44.21	-2.233670e-02	-1.294682e-07	5.025758e-02
11	40.71	-4.202621e-02	-1.261693e-07	9.455898e-02
10	37.21	-5.947978e-02	-1.429607e-07	1.338295e-01
9	33.71	-8.020170e-02	-1.539838e-07	1.804538e-01
8	30.21	-1.026066e-01	-1.656275e-07	2.308648e-01
7	26.71	-1.271827e-01	-1.760062e-07	2.861610e-01
6	23.21	-1.535479e-01	-1.849598e-07	3.454828e-01
5	19.71	-1.823246e-01	-1.933785e-07	4.102303e-01
4	16.21	-2.121320e-01	-1.949177e-07	4.772971e-01
3	12.71	-2.475607e-01	-2.126711e-07	5.570115e-01
2	9.21	-2.853502e-01	-2.155938e-07	6.420379e-01
1	5.45	-5.640977e-01	-1.464095e-07	1.269220e+00

## FRAME no. 4

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	7.512401e+00	6.735929e-06	-5.070871e+01
18	66.21	-7.194632e-01	-7.888723e-07	4.856376e+00
17	62.21	6.828937e-01	1.008094e-06	-4.609532e+00
16	58.21	1.231854e+00	2.786550e-07	-8.315011e+00
15	54.71	-2.583105e-01	7.012075e-08	1.743596e+00
14	51.21	-1.751392e-02	-4.562851e-07	1.182190e-01
13	47.71	-1.318342e-01	-2.961802e-07	8.898807e-01
12	44.21	-1.576083e-01	-3.920662e-07	1.063856e+00
11	40.71	-2.138793e-01	-4.221596e-07	1.443685e+00
10	37.21	-2.700809e-01	-4.646710e-07	1.823046e+00
9	33.71	-3.339540e-01	-4.998146e-07	2.254189e+00
8	30.21	-4.032153e-01	-5.315851e-07	2.721704e+00
7	26.71	-4.783796e-01	-5.579299e-07	3.229062e+00
6	23.21	-5.587280e-01	-5.777873e-07	3.771414e+00
5	19.71	-6.453605e-01	-5.909202e-07	4.356183e+00
4	16.21	-7.339557e-01	-5.904909e-07	4.954201e+00
3	12.71	-8.396686e-01	-5.966355e-07	5.667763e+00
2	9.21	-9.701961e-01	-5.998811e-07	6.548824e+00
1	5.45	-1.790995e+00	-6.607605e-07	1.208921e+01

## FRAME no. 5

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	3.298479e-05	-1.184684e+00	2.961709e+01
18	66.21	-4.081004e-06	1.103942e-01	-2.759856e+00
17	62.21	3.234042e-06	-1.992425e-02	4.981062e-01
16	58.21	5.670410e-06	-3.966984e-01	9.917460e+00
15	54.71	-1.241529e-06	1.242667e-01	-3.106667e+00
14	51.21	2.486710e-07	-1.076270e-01	2.690674e+00
13	47.71	-4.251158e-07	-1.765983e-02	4.414957e-01
12	44.21	-4.866362e-07	-3.315640e-02	8.289101e-01
11	40.71	-7.434889e-07	-1.874940e-02	4.687350e-01
10	37.21	-9.880036e-07	-8.591547e-03	2.147887e-01
9	33.71	-1.273780e-06	6.076162e-03	-1.519041e-01
8	30.21	-1.585628e-06	2.305360e-02	-5.763401e-01
7	26.71	-1.927855e-06	4.307399e-02	-1.076850e+00
6	23.21	-2.296638e-06	6.599785e-02	-1.649946e+00
5	19.71	-2.698766e-06	9.222120e-02	-2.305530e+00
4	16.21	-3.113912e-06	1.217727e-01	-3.044318e+00
3	12.71	-3.613415e-06	1.548144e-01	-3.870359e+00
2	9.21	-4.183645e-06	1.944880e-01	-4.862201e+00
1	5.45	-8.038270e-06	4.632703e-01	-1.158176e+01

## FRAME no. 6

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	3.298479e-05	-8.951624e-01	1.790325e+01
18	66.21	-4.081004e-06	8.012454e-02	-1.602491e+00
17	62.21	3.234042e-06	-5.172661e-03	1.034533e-01
16	58.21	5.670410e-06	-3.185214e-01	6.370428e+00
15	54.71	-1.241529e-06	1.022565e-01	-2.045130e+00
14	51.21	2.486710e-07	-9.068716e-02	1.813743e+00
13	47.71	-4.251158e-07	-1.613674e-02	3.227348e-01
12	44.21	-4.866362e-07	-2.961175e-02	5.922349e-01
11	40.71	-7.434889e-07	-1.822986e-02	3.645972e-01
10	37.21	-9.880036e-07	-1.045755e-02	2.091509e-01
9	33.71	-1.273780e-06	1.003990e-03	-2.007981e-02
8	30.21	-1.585628e-06	1.432772e-02	-2.865545e-01
7	26.71	-1.927855e-06	3.012478e-02	-6.024956e-01
6	23.21	-2.296638e-06	4.829069e-02	-9.658138e-01
5	19.71	-2.698766e-06	6.913704e-02	-1.382741e+00
4	16.21	-3.113912e-06	9.277047e-02	-1.855410e+00
3	12.71	-3.613415e-06	1.190419e-01	-2.380837e+00
2	9.21	-4.183645e-06	1.507524e-01	-3.015048e+00
1	5.45	-8.038270e-06	3.659180e-01	-7.318360e+00

## FRAME no. 7

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	3.298479e-05	-6.056413e-01	9.084620e+00
18	66.21	-4.081004e-06	4.985484e-02	-7.478226e-01
17	62.21	3.234042e-06	9.578923e-03	-1.436838e-01
16	58.21	5.670410e-06	-2.403444e-01	3.605166e+00
15	54.71	-1.241529e-06	8.024630e-02	-1.203695e+00
14	51.21	2.486710e-07	-7.374737e-02	1.106211e+00
13	47.71	-4.251158e-07	-1.461365e-02	2.192048e-01
12	44.21	-4.866362e-07	-2.606709e-02	3.910063e-01
11	40.71	-7.434889e-07	-1.771032e-02	2.656548e-01
10	37.21	-9.880036e-07	-1.232354e-02	1.848531e-01
9	33.71	-1.273780e-06	-4.068182e-03	6.102272e-02
8	30.21	-1.585628e-06	5.601847e-03	-8.402772e-02
7	26.71	-1.927855e-06	1.717557e-02	-2.576335e-01
6	23.21	-2.296638e-06	3.058353e-02	-4.587530e-01
5	19.71	-2.698766e-06	4.605288e-02	-6.907932e-01
4	16.21	-3.113912e-06	6.376824e-02	-9.565236e-01
3	12.71	-3.613415e-06	8.326937e-02	-1.249041e+00
2	9.21	-4.183645e-06	1.070167e-01	-1.605251e+00
1	5.45	-8.038270e-06	2.685657e-01	-4.028485e+00

## FRAME no. 8

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	3.298479e-05	-3.161202e-01	3.161202e+00
18	66.21	-4.081004e-06	1.958514e-02	-1.958515e-01
17	62.21	3.234042e-06	2.433051e-02	-2.433050e-01
16	58.21	5.670410e-06	-1.621674e-01	1.621674e+00
15	54.71	-1.241529e-06	5.823611e-02	-5.823612e-01
14	51.21	2.486710e-07	-5.680758e-02	5.680758e-01
13	47.71	-4.251158e-07	-1.309056e-02	1.309057e-01
12	44.21	-4.866362e-07	-2.252243e-02	2.252243e-01
11	40.71	-7.434889e-07	-1.719078e-02	1.719078e-01
10	37.21	-9.880036e-07	-1.418954e-02	1.418954e-01
9	33.71	-1.273780e-06	-9.140354e-03	9.140353e-02
8	30.21	-1.585628e-06	-3.124031e-03	3.124029e-02
7	26.71	-1.927855e-06	4.226356e-03	-4.226358e-02
6	23.21	-2.296638e-06	1.287637e-02	-1.287638e-01
5	19.71	-2.698766e-06	2.296872e-02	-2.296872e-01
4	16.21	-3.113912e-06	3.476600e-02	-3.476600e-01
3	12.71	-3.613415e-06	4.749687e-02	-4.749687e-01
2	9.21	-4.183645e-06	6.328109e-02	-6.328110e-01
1	5.45	-8.038270e-06	1.712133e-01	-1.712133e+00

## FRAME no. 9

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	3.298479e-05	-2.659905e-02	1.329958e-01
18	66.21	-4.081004e-06	-1.068456e-02	5.342273e-02
17	62.21	3.234042e-06	3.908209e-02	-1.954104e-01
16	58.21	5.670410e-06	-8.399037e-02	4.199520e-01
15	54.71	-1.241529e-06	3.622593e-02	-1.811297e-01
14	51.21	2.486710e-07	-3.986779e-02	1.993390e-01
13	47.71	-4.251158e-07	-1.156748e-02	5.783739e-02
12	44.21	-4.866362e-07	-1.897777e-02	9.488888e-02
11	40.71	-7.434889e-07	-1.667124e-02	8.335620e-02
10	37.21	-9.880036e-07	-1.605554e-02	8.027770e-02
9	33.71	-1.273780e-06	-1.421253e-02	7.106262e-02
8	30.21	-1.585628e-06	-1.184991e-02	5.924952e-02
7	26.71	-1.927855e-06	-8.722856e-03	4.361426e-02
6	23.21	-2.296638e-06	-4.830785e-03	2.415389e-02
5	19.71	-2.698766e-06	-1.154424e-04	5.771661e-04
4	16.21	-3.113912e-06	5.763758e-03	-2.881885e-02
3	12.71	-3.613415e-06	1.172437e-02	-5.862190e-02
2	9.21	-4.183645e-06	1.954544e-02	-9.772728e-02
1	5.45	-8.038270e-06	7.386099e-02	-3.693051e-01



## FRAME no. 10

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	3.298479e-05	2.629221e-01	5.790422e-07
18	66.21	-4.081004e-06	-4.095426e-02	-6.053940e-08
17	62.21	3.234042e-06	5.383367e-02	2.950317e-08
16	58.21	5.670410e-06	-5.813365e-03	1.563540e-07
15	54.71	-1.241529e-06	1.421574e-02	-4.402038e-08
14	51.21	2.486710e-07	-2.292800e-02	3.387958e-08
13	47.71	-4.251158e-07	-1.004439e-02	3.046175e-09
12	44.21	-4.866362e-07	-1.543312e-02	7.089314e-09
11	40.71	-7.434889e-07	-1.615170e-02	1.039081e-09
10	37.21	-9.880036e-07	-1.792154e-02	-3.731997e-09
9	33.71	-1.273780e-06	-1.928470e-02	-1.014434e-08
8	30.21	-1.585628e-06	-2.057579e-02	-1.745175e-08
7	26.71	-1.927855e-06	-2.167207e-02	-2.589842e-08
6	23.21	-2.296638e-06	-2.253794e-02	-3.541432e-08
5	19.71	-2.698766e-06	-2.319960e-02	-4.616832e-08
4	16.21	-3.113912e-06	-2.323848e-02	-5.800448e-08
3	12.71	-3.613415e-06	-2.404813e-02	-7.154500e-08
2	9.21	-4.183645e-06	-2.419021e-02	-8.747130e-08
1	5.45	-8.038270e-06	-2.349135e-02	-1.947047e-07

## FRAME no. 11

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	3.298479e-05	5.524432e-01	2.762217e+00
18	66.21	-4.081004e-06	-7.122395e-02	-3.561198e-01
17	62.21	3.234042e-06	6.858526e-02	3.429263e-01
16	58.21	5.670410e-06	7.236364e-02	3.618184e-01
15	54.71	-1.241529e-06	-7.794451e-03	-3.897230e-02
14	51.21	2.486710e-07	-5.988207e-03	-2.994100e-02
13	47.71	-4.251158e-07	-8.521303e-03	-4.260651e-02
12	44.21	-4.866362e-07	-1.188846e-02	-5.944230e-02
11	40.71	-7.434889e-07	-1.563216e-02	-7.816080e-02
10	37.21	-9.880036e-07	-1.978754e-02	-9.893769e-02
9	33.71	-1.273780e-06	-2.435687e-02	-1.217844e-01
8	30.21	-1.585628e-06	-2.930166e-02	-1.465083e-01
7	26.71	-1.927855e-06	-3.462128e-02	-1.731064e-01
6	23.21	-2.296638e-06	-4.024510e-02	-2.012255e-01
5	19.71	-2.698766e-06	-4.628376e-02	-2.314189e-01
4	16.21	-3.113912e-06	-5.224072e-02	-2.612037e-01
3	12.71	-3.613415e-06	-5.982063e-02	-2.991032e-01
2	9.21	-4.183645e-06	-6.792587e-02	-3.396294e-01
1	5.45	-8.038270e-06	-1.208437e-01	-6.042186e-01

## FRAME no. 12

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	3.298479e-05	8.419643e-01	8.419644e+00
18	66.21	-4.081004e-06	-1.014937e-01	-1.014937e+00
17	62.21	3.234042e-06	8.333684e-02	8.333685e-01
16	58.21	5.670410e-06	1.505406e-01	1.505407e+00
15	54.71	-1.241529e-06	-2.980464e-02	-2.980464e-01
14	51.21	2.486710e-07	1.095158e-02	1.095159e-01
13	47.71	-4.251158e-07	-6.998216e-03	-6.998216e-02
12	44.21	-4.866362e-07	-8.343804e-03	-8.343803e-02
11	40.71	-7.434889e-07	-1.511262e-02	-1.511262e-01
10	37.21	-9.880036e-07	-2.165353e-02	-2.165354e-01
9	33.71	-1.273780e-06	-2.942904e-02	-2.942904e-01
8	30.21	-1.585628e-06	-3.802754e-02	-3.802754e-01
7	26.71	-1.927855e-06	-4.757049e-02	-4.757049e-01
6	23.21	-2.296638e-06	-5.795226e-02	-5.795226e-01
5	19.71	-2.698766e-06	-6.936792e-02	-6.936793e-01
4	16.21	-3.113912e-06	-8.124296e-02	-8.124296e-01
3	12.71	-3.613415e-06	-9.559314e-02	-9.559314e-01
2	9.21	-4.183645e-06	-1.116615e-01	-1.116615e+00
1	5.45	-8.038270e-06	-2.181960e-01	-2.181960e+00

## FRAME no. 13

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	3.298479e-05	1.131485e+00	1.697228e+01
18	66.21	-4.081004e-06	-1.317634e-01	-1.976450e+00
17	62.21	3.234042e-06	9.808843e-02	1.471326e+00
16	58.21	5.670410e-06	2.287177e-01	3.430765e+00
15	54.71	-1.241529e-06	-5.181483e-02	-7.772225e-01
14	51.21	2.486710e-07	2.789137e-02	4.183707e-01
13	47.71	-4.251158e-07	-5.475129e-03	-8.212693e-02
12	44.21	-4.866362e-07	-4.799147e-03	-7.198719e-02
11	40.71	-7.434889e-07	-1.459308e-02	-2.188962e-01
10	37.21	-9.880036e-07	-2.351953e-02	-3.527930e-01
9	33.71	-1.273780e-06	-3.450121e-02	-5.175182e-01
8	30.21	-1.585628e-06	-4.675342e-02	-7.013013e-01
7	26.71	-1.927855e-06	-6.051970e-02	-9.077956e-01
6	23.21	-2.296638e-06	-7.565942e-02	-1.134891e+00
5	19.71	-2.698766e-06	-9.245209e-02	-1.386781e+00
4	16.21	-3.113912e-06	-1.102452e-01	-1.653678e+00
3	12.71	-3.613415e-06	-1.313656e-01	-1.970485e+00
2	9.21	-4.183645e-06	-1.553972e-01	-2.330958e+00
1	5.45	-8.038270e-06	-3.155484e-01	-4.733226e+00

## FRAME no. 14

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	3.298479e-05	1.421007e+00	2.842013e+01
18	66.21	-4.081004e-06	-1.620330e-01	-3.240661e+00
17	62.21	3.234042e-06	1.128400e-01	2.256800e+00
16	58.21	5.670410e-06	3.068947e-01	6.137893e+00
15	54.71	-1.241529e-06	-7.382502e-02	-1.476500e+00
14	51.21	2.486710e-07	4.483117e-02	8.966234e-01
13	47.71	-4.251158e-07	-3.952041e-03	-7.904083e-02
12	44.21	-4.866362e-07	-1.254489e-03	-2.508978e-02
11	40.71	-7.434889e-07	-1.407354e-02	-2.814708e-01
10	37.21	-9.880036e-07	-2.538553e-02	-5.077106e-01
9	33.71	-1.273780e-06	-3.957339e-02	-7.914677e-01
8	30.21	-1.585628e-06	-5.547930e-02	-1.109586e+00
7	26.71	-1.927855e-06	-7.346892e-02	-1.469378e+00
6	23.21	-2.296638e-06	-9.336658e-02	-1.867332e+00
5	19.71	-2.698766e-06	-1.155362e-01	-2.310725e+00
4	16.21	-3.113912e-06	-1.392474e-01	-2.784949e+00
3	12.71	-3.613415e-06	-1.671381e-01	-3.342763e+00
2	9.21	-4.183645e-06	-1.991328e-01	-3.982657e+00
1	5.45	-8.038270e-06	-4.129007e-01	-8.258014e+00

## FRAME no. 15

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	3.298479e-05	1.710528e+00	4.276319e+01
18	66.21	-4.081004e-06	-1.923027e-01	-4.807569e+00
17	62.21	3.234042e-06	1.275916e-01	3.189790e+00
16	58.21	5.670410e-06	3.850717e-01	9.626792e+00
15	54.71	-1.241529e-06	-9.583520e-02	-2.395880e+00
14	51.21	2.486710e-07	6.177096e-02	1.544274e+00
13	47.71	-4.251158e-07	-2.428954e-03	-6.072385e-02
12	44.21	-4.866362e-07	2.290168e-03	5.725420e-02
11	40.71	-7.434889e-07	-1.355400e-02	-3.388500e-01
10	37.21	-9.880036e-07	-2.725153e-02	-6.812882e-01
9	33.71	-1.273780e-06	-4.464556e-02	-1.116139e+00
8	30.21	-1.585628e-06	-6.420517e-02	-1.605129e+00
7	26.71	-1.927855e-06	-8.641813e-02	-2.160453e+00
6	23.21	-2.296638e-06	-1.110737e-01	-2.776843e+00
5	19.71	-2.698766e-06	-1.386204e-01	-3.465510e+00
4	16.21	-3.113912e-06	-1.682497e-01	-4.206242e+00
3	12.71	-3.613415e-06	-2.029106e-01	-5.072766e+00
2	9.21	-4.183645e-06	-2.428685e-01	-6.071712e+00
1	5.45	-8.038270e-06	-5.102530e-01	-1.275633e+01

\*\*\*\*\*

Carichi ripartiti sui singoli elementi riferiti al proprio sistema locale

## SHEARWALL no. 1

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.450153e-01	1.022805e-02	2.481380e+00
18	66.21	1.653907e+00	-1.366280e-02	1.100629e-02
17	62.21	-1.650807e+00	4.081639e-02	1.276991e-02
16	58.21	4.369259e+00	-6.107199e-02	2.489731e-02
15	54.71	-1.636925e+00	3.883402e-02	1.727320e-02
14	51.21	2.286736e+00	-2.655803e-02	1.667572e-02
13	47.71	6.922828e-01	-2.465773e-04	8.714181e-03
12	44.21	1.081980e+00	-7.014832e-03	-3.358479e-03
11	40.71	9.618240e-01	-5.318857e-03	-1.943890e-02
10	37.21	9.756247e-01	-5.876659e-03	-3.956672e-02
9	33.71	9.521587e-01	-5.895032e-03	-6.378023e-02
8	30.21	9.394031e-01	-6.116559e-03	-9.214281e-02
7	26.71	9.215438e-01	-6.337586e-03	-1.247413e-01
6	23.21	9.045229e-01	-6.599995e-03	-1.616819e-01
5	19.71	8.857747e-01	-6.982281e-03	-2.030941e-01
4	16.21	8.306943e-01	-6.901988e-03	-2.491047e-01
3	12.71	8.796670e-01	-8.671767e-03	-2.998426e-01
2	9.21	9.085239e-01	-9.131660e-03	-3.707680e-01
1	5.45	3.558932e-01	2.004204e-03	-5.674711e-01

## SHEARWALL no. 2

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	-4.519931e-02	2.977540e-01	3.614357e+00
18	66.21	3.955219e+00	-3.101944e-01	1.603167e-02
17	62.21	-5.421576e+00	1.071843e+00	1.860055e-02
16	58.21	1.181765e+01	-1.519916e+00	3.626521e-02
15	54.71	-5.291951e+00	1.016846e+00	2.516000e-02
14	51.21	5.889070e+00	-6.439002e-01	2.428972e-02
13	47.71	1.359388e+00	2.363147e-02	1.269300e-02
12	44.21	2.484518e+00	-1.489852e-01	-4.891933e-03
11	40.71	2.158524e+00	-1.067253e-01	-2.831453e-02
10	37.21	2.215438e+00	-1.217602e-01	-5.763255e-02
9	33.71	2.170595e+00	-1.233115e-01	-9.290175e-02
8	30.21	2.157634e+00	-1.300875e-01	-1.342144e-01
7	26.71	2.134737e+00	-1.370746e-01	-1.816972e-01
6	23.21	2.115748e+00	-1.451852e-01	-2.355044e-01
5	19.71	2.099930e+00	-1.567338e-01	-2.958251e-01
4	16.21	1.988373e+00	-1.569128e-01	-3.628438e-01
3	12.71	2.179649e+00	-2.043844e-01	-4.367482e-01
2	9.21	2.260755e+00	-2.160084e-01	-5.400575e-01
1	5.45	5.808508e-01	7.190329e-02	-8.265737e-01



## SHEARWALL no. 3

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.450153e-01	-5.701878e-03	2.481380e+00
18	66.21	1.653907e+00	1.039737e-02	1.100629e-02
17	62.21	-1.650807e+00	-2.150518e-02	1.276991e-02
16	58.21	4.369259e+00	3.672683e-02	2.489731e-02
15	54.71	-1.636925e+00	-2.032856e-02	1.727320e-02
14	51.21	2.286736e+00	1.719881e-02	1.667572e-02
13	47.71	6.922828e-01	2.073700e-03	8.714181e-03
12	44.21	1.081980e+00	5.926169e-03	-3.358479e-03
11	40.71	9.618240e-01	4.916922e-03	-1.943890e-02
10	37.21	9.756247e-01	5.195664e-03	-3.956672e-02
9	33.71	9.521587e-01	5.150621e-03	-6.378023e-02
8	30.21	9.394031e-01	5.216542e-03	-9.214281e-02
7	26.71	9.215438e-01	5.266688e-03	-1.247413e-01
6	23.21	9.045229e-01	5.333948e-03	-1.616819e-01
5	19.71	8.857747e-01	5.443362e-03	-2.030941e-01
4	16.21	8.306943e-01	5.260865e-03	-2.491047e-01
3	12.71	8.796670e-01	6.118746e-03	-2.998426e-01
2	9.21	9.085239e-01	6.385106e-03	-3.707680e-01
1	5.45	3.558932e-01	3.572705e-04	-5.674711e-01

## SHEARWALL no. 4

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.954304e-01	-1.711104e-01	3.614357e+00
18	66.21	3.709470e+00	2.188267e-01	1.603167e-02
17	62.21	-3.968258e+00	-5.315100e-01	1.860055e-02
16	58.21	9.985492e+00	8.387316e-01	3.626521e-02
15	54.71	-3.899271e+00	-4.990579e-01	2.516000e-02
14	51.21	5.184716e+00	3.820264e-01	2.428972e-02
13	47.71	1.496893e+00	2.749195e-02	1.269300e-02
12	44.21	2.402587e+00	1.185240e-01	-4.891933e-03
11	40.71	2.128275e+00	9.547900e-02	-2.831453e-02
10	37.21	2.164188e+00	1.027057e-01	-5.763255e-02
9	33.71	2.114573e+00	1.024827e-01	-9.290175e-02
8	30.21	2.089901e+00	1.049048e-01	-1.342144e-01
7	26.71	2.054144e+00	1.071106e-01	-1.816972e-01
6	23.21	2.020468e+00	1.097608e-01	-2.355044e-01
5	19.71	1.984114e+00	1.136744e-01	-2.958251e-01
4	16.21	1.864866e+00	1.109937e-01	-3.628438e-01
3	12.71	1.987515e+00	1.329501e-01	-4.367482e-01
2	9.21	2.054056e+00	1.391590e-01	-5.400575e-01
1	5.45	7.585700e-01	-5.828542e-03	-8.265737e-01

## SHEARWALL no. 5

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.287033e-03	1.422679e+00	1.634040e+00
18	66.21	5.158302e-03	-1.678491e+00	7.247874e-03
17	62.21	-2.156187e-03	5.777073e+00	8.409255e-03
16	58.21	1.095255e-02	-8.280888e+00	1.639540e-02
15	54.71	-2.343893e-03	5.507040e+00	1.137476e-02
14	51.21	6.312496e-03	-3.503078e+00	1.098131e-02
13	47.71	2.764605e-03	1.202465e-01	5.738470e-03
12	44.21	3.593202e-03	-8.148567e-01	-2.211629e-03
11	40.71	3.293233e-03	-5.840447e-01	-1.280092e-02
10	37.21	3.286609e-03	-6.642041e-01	-2.605551e-02
9	33.71	3.188838e-03	-6.711725e-01	-4.200061e-02
8	30.21	3.112104e-03	-7.065815e-01	-6.067797e-02
7	26.71	3.014924e-03	-7.431576e-01	-8.214478e-02
6	23.21	2.916742e-03	-7.859652e-01	-1.064709e-01
5	19.71	2.798552e-03	-8.474166e-01	-1.337417e-01
4	16.21	2.584698e-03	-8.472420e-01	-1.640406e-01
3	12.71	2.587822e-03	-1.103685e+00	-1.974526e-01
2	9.21	2.653882e-03	-1.166858e+00	-2.441585e-01
1	5.45	1.643084e-03	3.964712e-01	-3.736916e-01

## OPEN SHEARWALL no. 1

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	1.646618e+00	4.477160e-01	2.934320e+00
18	66.21	3.698975e+00	-2.589085e-01	1.473099e-01
17	62.21	-1.533203e+00	1.938998e+00	-3.312791e-01
16	58.21	7.842378e+00	-2.346358e+00	5.746081e-01
15	54.71	-1.668807e+00	1.860944e+00	-3.082123e-01
14	51.21	4.523082e+00	-8.706167e-01	2.638340e-01
13	47.71	1.985101e+00	2.253662e-01	2.352913e-02
12	44.21	2.577603e+00	-6.122594e-02	6.792862e-02
11	40.71	2.362822e+00	5.232925e-03	3.328315e-02
10	37.21	2.357857e+00	-2.311351e-02	1.341775e-02
9	33.71	2.287639e+00	-3.066091e-02	-1.622912e-02
8	30.21	2.232454e+00	-4.738014e-02	-4.918249e-02
7	26.71	2.162587e+00	-6.596755e-02	-8.738695e-02
6	23.21	2.091986e+00	-8.709279e-02	-1.305555e-01
5	19.71	2.006974e+00	-1.164749e-01	-1.782701e-01
4	16.21	1.853439e+00	-1.297597e-01	-2.357857e-01
3	12.71	1.855030e+00	-2.229292e-01	-2.829741e-01
2	9.21	1.902297e+00	-2.418428e-01	-3.653382e-01
1	5.45	1.180554e+00	2.675806e-01	-7.004951e-01

## OPEN SHEARWALL no. 2

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	9.664049e+00	-8.853276e-01	1.515262e+01
18	66.21	1.170171e+01	8.415420e+00	8.810136e-01
17	62.21	7.076798e-01	-9.858639e+00	-2.021027e+00
16	58.21	2.054823e+01	2.293222e+01	3.455656e+00
15	54.71	-3.875985e-01	-9.472698e+00	-1.886017e+00
14	51.21	1.301754e+01	1.183771e+01	1.581125e+00
13	47.71	7.432183e+00	3.203570e+00	1.333506e-01
12	44.21	8.624918e+00	5.343590e+00	4.151947e-01
11	40.71	8.059443e+00	4.717028e+00	2.222851e-01
10	37.21	7.943970e+00	4.817888e+00	1.232283e-01
9	33.71	7.664784e+00	4.720206e+00	-3.077405e-02
8	30.21	7.412605e+00	4.680981e+00	-2.004175e-01
7	26.71	7.106117e+00	4.617529e+00	-3.973940e-01
6	23.21	6.792243e+00	4.558693e+00	-6.198523e-01
5	19.71	6.407017e+00	4.497007e+00	-8.651208e-01
4	16.21	5.835610e+00	4.243720e+00	-1.164910e+00
3	12.71	5.569272e+00	4.560284e+00	-1.397111e+00
2	9.21	5.678531e+00	4.715206e+00	-1.821082e+00
1	5.45	4.619536e+00	1.640895e+00	-3.643682e+00

## FRAME no. 1

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	0	0	0
18	66.21	-3.686834e+00	-2.391874e-06	-6.129284e-07
17	62.21	3.900270e+01	2.681726e-05	6.274846e-06
16	58.21	-4.812996e+01	-3.319129e-05	-7.731321e-06
15	54.71	3.773536e+01	2.550989e-05	6.123070e-06
14	51.21	-1.765529e+01	-1.232702e-05	-2.819366e-06
13	47.71	4.440180e+00	2.760372e-06	7.485616e-07
12	44.21	-1.318278e+00	-1.179085e-06	-1.804787e-07
11	40.71	8.355932e-02	-2.195185e-07	4.542939e-08
10	37.21	-3.708016e-01	-5.168269e-07	-2.960929e-08
9	33.71	-3.600017e-01	-4.864686e-07	-3.074683e-08
8	30.21	-4.796142e-01	-5.346976e-07	-5.416454e-08
7	26.71	-5.838192e-01	-5.583865e-07	-7.670276e-08
6	23.21	-6.806338e-01	-5.727839e-07	-9.852823e-08
5	19.71	-8.818387e-01	-6.111835e-07	-1.424976e-07
4	16.21	-7.173279e-01	-5.115804e-07	-1.147541e-07
3	12.71	-2.021107e+00	-9.031556e-07	-3.815863e-07
2	9.21	-1.719671e+00	-4.872615e-07	-3.564463e-07
1	5.45	1.189666e+01	2.573681e-06	2.543721e-06

## FRAME no. 2

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.627524e+00	2.068553e-06	4.353514e-07
18	66.21	-3.670498e-01	-4.075087e-07	-4.689289e-08
17	62.21	2.538384e-01	6.747446e-07	-2.873336e-09
16	58.21	5.136305e-01	-3.614778e-07	1.638437e-07
15	54.71	-1.265810e-01	3.429521e-07	-6.205464e-08
14	51.21	6.305673e-02	-2.906613e-07	4.720251e-08
13	47.71	-1.979715e-02	-5.212507e-08	3.472637e-09
12	44.21	-1.702886e-02	-1.294682e-07	1.179520e-08
11	40.71	-3.936680e-02	-1.261693e-07	5.909802e-09
10	37.21	-5.824188e-02	-1.429607e-07	2.750892e-09
9	33.71	-8.113309e-02	-1.539838e-07	-2.069735e-09
8	30.21	-1.059383e-01	-1.656275e-07	-7.403871e-09
7	26.71	-1.333034e-01	-1.760062e-07	-1.360163e-08
6	23.21	-1.628029e-01	-1.849598e-07	-2.056676e-08
5	19.71	-1.951028e-01	-1.933785e-07	-2.839610e-08
4	16.21	-2.289420e-01	-1.949177e-07	-3.735547e-08
3	12.71	-2.684171e-01	-2.126711e-07	-4.634755e-08
2	9.21	-3.111903e-01	-2.155938e-07	-5.742246e-08
1	5.45	-6.302041e-01	-1.464095e-07	-1.469031e-07

## FRAME no. 3

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.431616e+00	2.068553e-06	4.353514e-07
18	66.21	-3.459480e-01	-4.075087e-07	-4.689289e-08
17	62.21	2.551314e-01	6.747446e-07	-2.873336e-09
16	58.21	4.399009e-01	-3.614778e-07	1.638437e-07
15	54.71	-9.865639e-02	3.429521e-07	-6.205464e-08
14	51.21	4.181560e-02	-2.906613e-07	4.720251e-08
13	47.71	-2.135984e-02	-5.212507e-08	3.472637e-09
12	44.21	-2.233670e-02	-1.294682e-07	1.179520e-08
11	40.71	-4.202621e-02	-1.261693e-07	5.909802e-09
10	37.21	-5.947978e-02	-1.429607e-07	.750892e-09
9	33.71	-8.020170e-02	-1.539838e-07	-2.069735e-09
8	30.21	-1.026066e-01	-1.656275e-07	-7.403871e-09
7	26.71	-1.271827e-01	-1.760062e-07	-1.360163e-08
6	23.21	-1.535479e-01	-1.849598e-07	-2.056676e-08
5	19.71	-1.823246e-01	-1.933785e-07	-2.839610e-08
4	16.21	-2.121320e-01	-1.949177e-07	-3.735547e-08
3	12.71	-2.475607e-01	-2.126711e-07	-4.634755e-08
2	9.21	-2.853502e-01	-2.155938e-07	-5.742246e-08
1	5.45	-5.640977e-01	-1.464095e-07	-1.469031e-07



## FRAME no. 4

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	7.512401e+00	6.735929e-06	1.508103e-06
18	66.21	-7.194632e-01	-7.888723e-07	-1.197434e-07
17	62.21	6.828937e-01	1.008094e-06	9.263546e-08
16	58.21	1.231854e+00	2.786550e-07	3.623482e-07
15	54.71	-2.583105e-01	7.012075e-08	-8.143659e-08
14	51.21	-1.751392e-02	-4.562851e-07	6.249044e-08
13	47.71	-1.318342e-01	-2.961802e-07	6.523080e-09
12	44.21	-1.576083e-01	-3.920662e-07	1.058530e-08
11	40.71	-2.138793e-01	-4.221596e-07	-3.763678e-09
10	37.21	-2.700809e-01	-4.646710e-07	-1.695556e-08
9	33.71	-3.339540e-01	-4.998146e-07	-3.395525e-08
8	30.21	-4.032153e-01	-5.315851e-07	-5.353162e-08
7	26.71	-4.783796e-01	-5.579299e-07	-7.611536e-08
6	23.21	-5.587280e-01	-5.777873e-07	-1.015937e-07
5	19.71	-6.453605e-01	-5.909202e-07	-1.303905e-07
4	16.21	-7.339557e-01	-5.904909e-07	-1.618265e-07
3	12.71	-8.396686e-01	-5.966355e-07	-1.987578e-07
2	9.21	-9.701961e-01	-5.998811e-07	-2.436884e-07
1	5.45	-1.790995e+00	-6.607605e-07	-5.151721e-07

## FRAME no. 5

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	-1.184684e+00	-3.298479e-05	5.790422e-07
18	66.21	1.103942e-01	4.081004e-06	-6.053940e-08
17	62.21	-1.992425e-02	-3.234042e-06	2.950317e-08
16	58.21	-3.966984e-01	-5.670410e-06	1.563540e-07
15	54.71	1.242667e-01	1.241529e-06	-4.402038e-08
14	51.21	-1.076270e-01	-2.486710e-07	3.387958e-08
13	47.71	-1.765983e-02	4.251158e-07	3.046175e-09
12	44.21	-3.315640e-02	4.866362e-07	7.089314e-09
11	40.71	-1.874940e-02	7.434889e-07	1.039081e-09
10	37.21	-8.591547e-03	9.880036e-07	-3.731997e-09
9	33.71	6.076162e-03	1.273780e-06	-1.014434e-08
8	30.21	2.305360e-02	1.585628e-06	-1.745175e-08
7	26.71	4.307399e-02	1.927855e-06	-2.589842e-08
6	23.21	6.599785e-02	2.296638e-06	-3.541432e-08
5	19.71	9.222120e-02	2.698766e-06	-4.616832e-08
4	16.21	1.217727e-01	3.113912e-06	-5.800448e-08
3	12.71	1.548144e-01	3.613415e-06	-7.154500e-08
2	9.21	1.944880e-01	4.183645e-06	-8.747130e-08
1	5.45	4.632703e-01	8.038270e-06	-1.947047e-07

## FRAME no. 6

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	-8.951624e-01	-3.298479e-05	5.790422e-07
18	66.21	8.012454e-02	4.081004e-06	-6.053940e-08
17	62.21	-5.172661e-03	-3.234042e-06	2.950317e-08
16	58.21	-3.185214e-01	-5.670410e-06	1.563540e-07
15	54.71	1.022565e-01	1.241529e-06	-4.402038e-08
14	51.21	-9.068716e-02	-2.486710e-07	3.387958e-08
13	47.71	-1.613674e-02	4.251158e-07	3.046175e-09
12	44.21	-2.961175e-02	4.866362e-07	7.089314e-09
11	40.71	-1.822986e-02	7.434889e-07	1.039081e-09
10	37.21	-1.045755e-02	9.880036e-07	-3.731997e-09
9	33.71	1.003990e-03	1.273780e-06	-1.014434e-08
8	30.21	1.432772e-02	1.585628e-06	-1.745175e-08
7	26.71	3.012478e-02	1.927855e-06	-2.589842e-08
6	23.21	4.829069e-02	2.296638e-06	-3.541432e-08
5	19.71	6.913704e-02	2.698766e-06	-4.616832e-08
4	16.21	9.277047e-02	3.113912e-06	-5.800448e-08
3	12.71	1.190419e-01	3.613415e-06	-7.154500e-08
2	9.21	1.507524e-01	4.183645e-06	-8.747130e-08
1	5.45	3.659180e-01	8.038270e-06	-1.947047e-07

## FRAME no. 7

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	-6.056413e-01	-3.298479e-05	5.790422e-07
18	66.21	4.985484e-02	4.081004e-06	-6.053940e-08
17	62.21	9.578923e-03	-3.234042e-06	2.950317e-08
16	58.21	-2.403444e-01	-5.670410e-06	1.563540e-07
15	54.71	8.024630e-02	1.241529e-06	-4.402038e-08
14	51.21	-7.374737e-02	-2.486710e-07	3.387958e-08
13	47.71	-1.461365e-02	4.251158e-07	3.046175e-09
12	44.21	-2.606709e-02	4.866362e-07	7.089314e-09
11	40.71	-1.771032e-02	7.434889e-07	1.039081e-09
10	37.21	-1.232354e-02	9.880036e-07	-3.731997e-09
9	33.71	-4.068182e-03	1.273780e-06	-1.014434e-08
8	30.21	5.601847e-03	1.585628e-06	-1.745175e-08
7	26.71	1.717557e-02	1.927855e-06	-2.589842e-08
6	23.21	3.058353e-02	2.296638e-06	-3.541432e-08
5	19.71	4.605288e-02	2.698766e-06	-4.616832e-08
4	16.21	6.376824e-02	3.113912e-06	-5.800448e-08
3	12.71	8.326937e-02	3.613415e-06	-7.154500e-08
2	9.21	1.070167e-01	4.183645e-06	-8.747130e-08
1	5.45	2.685657e-01	8.038270e-06	-1.947047e-07

## FRAME no. 8

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	-3.161202e-01	-3.298479e-05	5.790422e-07
18	66.21	1.958514e-02	4.081004e-06	-6.053940e-08
17	62.21	2.433051e-02	-3.234042e-06	2.950317e-08
16	58.21	-1.621674e-01	-5.670410e-06	1.563540e-07
15	54.71	5.823611e-02	1.241529e-06	-4.402038e-08
14	51.21	-5.680758e-02	-2.486710e-07	3.387958e-08
13	47.71	-1.309056e-02	4.251158e-07	3.046175e-09
12	44.21	-2.252243e-02	4.866362e-07	7.089314e-09
11	40.71	-1.719078e-02	7.434889e-07	1.039081e-09
10	37.21	-1.418954e-02	9.880036e-07	-3.731997e-09
9	33.71	-9.140354e-03	1.273780e-06	-1.014434e-08
8	30.21	-3.124031e-03	1.585628e-06	-1.745175e-08
7	26.71	4.226356e-03	1.927855e-06	-2.589842e-08
6	23.21	1.287637e-02	2.296638e-06	-3.541432e-08
5	19.71	2.296872e-02	2.698766e-06	-4.616832e-08
4	16.21	3.476600e-02	3.113912e-06	-5.800448e-08
3	12.71	4.749687e-02	3.613415e-06	-7.154500e-08
2	9.21	6.328109e-02	4.183645e-06	-8.747130e-08
1	5.45	1.712133e-01	8.038270e-06	-1.947047e-07

## FRAME no. 9

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	-2.659905e-02	-3.298479e-05	5.790422e-07
18	66.21	-1.068456e-02	4.081004e-06	-6.053940e-08
17	62.21	3.908209e-02	-3.234042e-06	2.950317e-08
16	58.21	-8.399037e-02	-5.670410e-06	1.563540e-07
15	54.71	3.622593e-02	1.241529e-06	-4.402038e-08
14	51.21	-3.986779e-02	-2.486710e-07	3.387958e-08
13	47.71	-1.156748e-02	4.251158e-07	3.046175e-09
12	44.21	-1.897777e-02	4.866362e-07	7.089314e-09
11	40.71	-1.667124e-02	7.434889e-07	1.039081e-09
10	37.21	-1.605554e-02	9.880036e-07	-3.731997e-09
9	33.71	-1.421253e-02	1.273780e-06	-1.014434e-08
8	30.21	-1.184991e-02	1.585628e-06	-1.745175e-08
7	26.71	-8.722856e-03	1.927855e-06	-2.589842e-08
6	23.21	-4.830785e-03	2.296638e-06	-3.541432e-08
5	19.71	-1.154424e-04	2.698766e-06	-4.616832e-08
4	16.21	5.763758e-03	3.113912e-06	-5.800448e-08
3	12.71	1.172437e-02	3.613415e-06	-7.154500e-08
2	9.21	1.954544e-02	4.183645e-06	-8.747130e-08
1	5.45	7.386099e-02	8.038270e-06	-1.947047e-07

## FRAME no. 10

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	2.629221e-01	-3.298479e-05	5.790422e-07
18	66.21	-4.095426e-02	4.081004e-06	-6.053940e-08
17	62.21	5.383367e-02	-3.234042e-06	2.950317e-08
16	58.21	-5.813365e-03	-5.670410e-06	1.563540e-07
15	54.71	1.421574e-02	1.241529e-06	-4.402038e-08
14	51.21	-2.292800e-02	-2.486710e-07	3.387958e-08
13	47.71	-1.004439e-02	4.251158e-07	3.046175e-09
12	44.21	-1.543312e-02	4.866362e-07	7.089314e-09
11	40.71	-1.615170e-02	7.434889e-07	1.039081e-09
10	37.21	-1.792154e-02	9.880036e-07	-3.731997e-09
9	33.71	-1.928470e-02	1.273780e-06	-1.014434e-08
8	30.21	-2.057579e-02	1.585628e-06	-1.745175e-08
7	26.71	-2.167207e-02	1.927855e-06	-2.589842e-08
6	23.21	-2.253794e-02	2.296638e-06	-3.541432e-08
5	19.71	-2.319960e-02	2.698766e-06	-4.616832e-08
4	16.21	-2.323848e-02	3.113912e-06	-5.800448e-08
3	12.71	-2.404813e-02	3.613415e-06	-7.154500e-08
2	9.21	-2.419021e-02	4.183645e-06	-8.747130e-08
1	5.45	-2.349135e-02	8.038270e-06	-1.947047e-07

## FRAME no. 11

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	5.524432e-01	-3.298479e-05	5.790422e-07
18	66.21	-7.122395e-02	4.081004e-06	-6.053940e-08
17	62.21	6.858526e-02	-3.234042e-06	2.950317e-08
16	58.21	7.236364e-02	-5.670410e-06	1.563540e-07
15	54.71	-7.794451e-03	1.241529e-06	-4.402038e-08
14	51.21	-5.988207e-03	-2.486710e-07	3.387958e-08
13	47.71	-8.521303e-03	4.251158e-07	3.046175e-09
12	44.21	-1.188846e-02	4.866362e-07	7.089314e-09
11	40.71	-1.563216e-02	7.434889e-07	1.039081e-09
10	37.21	-1.978754e-02	9.880036e-07	-3.731997e-09
9	33.71	-2.435687e-02	1.273780e-06	-1.014434e-08
8	30.21	-2.930166e-02	1.585628e-06	-1.745175e-08
7	26.71	-3.462128e-02	1.927855e-06	-2.589842e-08
6	23.21	-4.024510e-02	2.296638e-06	-3.541432e-08
5	19.71	-4.628376e-02	2.698766e-06	-4.616832e-08
4	16.21	-5.224072e-02	3.113912e-06	-5.800448e-08
3	12.71	-5.982063e-02	3.613415e-06	-7.154500e-08
2	9.21	-6.792587e-02	4.183645e-06	-8.747130e-08
1	5.45	-1.208437e-01	8.038270e-06	-1.947047e-07



## FRAME no. 12

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	8.419643e-01	-3.298479e-05	5.790422e-07
18	66.21	-1.014937e-01	4.081004e-06	-6.053940e-08
17	62.21	8.333684e-02	-3.234042e-06	2.950317e-08
16	58.21	1.505406e-01	-5.670410e-06	1.563540e-07
15	54.71	-2.980464e-02	1.241529e-06	-4.402038e-08
14	51.21	1.095158e-02	-2.486710e-07	3.387958e-08
13	47.71	-6.998216e-03	4.251158e-07	3.046175e-09
12	44.21	-8.343804e-03	4.866362e-07	7.089314e-09
11	40.71	-1.511262e-02	7.434889e-07	1.039081e-09
10	37.21	-2.165353e-02	9.880036e-07	-3.731997e-09
9	33.71	-2.942904e-02	1.273780e-06	-1.014434e-08
8	30.21	-3.802754e-02	1.585628e-06	-1.745175e-08
7	26.71	-4.757049e-02	1.927855e-06	-2.589842e-08
6	23.21	-5.795226e-02	2.296638e-06	-3.541432e-08
5	19.71	-6.936792e-02	2.698766e-06	-4.616832e-08
4	16.21	-8.124296e-02	3.113912e-06	-5.800448e-08
3	12.71	-9.559314e-02	3.613415e-06	-7.154500e-08
2	9.21	-1.116615e-01	4.183645e-06	-8.747130e-08
1	5.45	-2.181960e-01	8.038270e-06	-1.947047e-07

## FRAME no. 13

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	1.131485e+00	-3.298479e-05	5.790422e-07
18	66.21	-1.317634e-01	4.081004e-06	-6.053940e-08
17	62.21	9.808843e-02	-3.234042e-06	2.950317e-08
16	58.21	2.287177e-01	-5.670410e-06	1.563540e-07
15	54.71	-5.181483e-02	1.241529e-06	-4.402038e-08
14	51.21	2.789137e-02	-2.486710e-07	3.387958e-08
13	47.71	-5.475129e-03	4.251158e-07	3.046175e-09
12	44.21	-4.799147e-03	4.866362e-07	7.089314e-09
11	40.71	-1.459308e-02	7.434889e-07	1.039081e-09
10	37.21	-2.351953e-02	9.880036e-07	-3.731997e-09
9	33.71	-3.450121e-02	1.273780e-06	-1.014434e-08
8	30.21	-4.675342e-02	1.585628e-06	-1.745175e-08
7	26.71	-6.051970e-02	1.927855e-06	-2.589842e-08
6	23.21	-7.565942e-02	2.296638e-06	-3.541432e-08
5	19.71	-9.245209e-02	2.698766e-06	-4.616832e-08
4	16.21	-1.102452e-01	3.113912e-06	-5.800448e-08
3	12.71	-1.313656e-01	3.613415e-06	-7.154500e-08
2	9.21	-1.553972e-01	4.183645e-06	-8.747130e-08
1	5.45	-3.155484e-01	8.038270e-06	-1.947047e-07

## FRAME no. 14

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	1.421007e+00	-3.298479e-05	5.790422e-07
18	66.21	-1.620330e-01	4.081004e-06	-6.053940e-08
17	62.21	1.128400e-01	-3.234042e-06	2.950317e-08
16	58.21	3.068947e-01	-5.670410e-06	1.563540e-07
15	54.71	-7.382502e-02	1.241529e-06	-4.402038e-08
14	51.21	4.483117e-02	-2.486710e-07	3.387958e-08
13	47.71	-3.952041e-03	4.251158e-07	3.046175e-09
12	44.21	-1.254489e-03	4.866362e-07	7.089314e-09
11	40.71	-1.407354e-02	7.434889e-07	1.039081e-09
10	37.21	-2.538553e-02	9.880036e-07	-3.731997e-09
9	33.71	-3.957339e-02	1.273780e-06	-1.014434e-08
8	30.21	-5.547930e-02	1.585628e-06	-1.745175e-08
7	26.71	-7.346892e-02	1.927855e-06	-2.589842e-08
6	23.21	-9.336658e-02	2.296638e-06	-3.541432e-08
5	19.71	-1.155362e-01	2.698766e-06	-4.616832e-08
4	16.21	-1.392474e-01	3.113912e-06	-5.800448e-08
3	12.71	-1.671381e-01	3.613415e-06	-7.154500e-08
2	9.21	-1.991328e-01	4.183645e-06	-8.747130e-08
1	5.45	-4.129007e-01	8.038270e-06	-1.947047e-07

## FRAME no. 15

-----

piano	quota	Fx [kN]	Fy [kN]	Mz [kNm]
19	72.21	1.710528e+00	-3.298479e-05	5.790422e-07
18	66.21	-1.923027e-01	4.081004e-06	-6.053940e-08
17	62.21	1.275916e-01	-3.234042e-06	2.950317e-08
16	58.21	3.850717e-01	-5.670410e-06	1.563540e-07
15	54.71	-9.583520e-02	1.241529e-06	-4.402038e-08
14	51.21	6.177096e-02	-2.486710e-07	3.387958e-08
13	47.71	-2.428954e-03	4.251158e-07	3.046175e-09
12	44.21	2.290168e-03	4.866362e-07	7.089314e-09
11	40.71	-1.355400e-02	7.434889e-07	1.039081e-09
10	37.21	-2.725153e-02	9.880036e-07	-3.731997e-09
9	33.71	-4.464556e-02	1.273780e-06	-1.014434e-08
8	30.21	-6.420517e-02	1.585628e-06	-1.745175e-08
7	26.71	-8.641813e-02	.927855e-06	-2.589842e-08
6	23.21	-1.110737e-01	2.296638e-06	-3.541432e-08
5	19.71	-1.386204e-01	2.698766e-06	-4.616832e-08
4	16.21	-1.682497e-01	3.113912e-06	-5.800448e-08
3	12.71	-2.029106e-01	3.613415e-06	-7.154500e-08
2	9.21	-2.428685e-01	4.183645e-06	-8.747130e-08
1	5.45	-5.102530e-01	8.038270e-06	-1.947047e-07

\*\*\*\*\*

## Sollecitazioni sui singoli elementi riferiti agli assi locali

## SHEARWALL no. 1

-----					
piano	Mx [kNm]	My [kNm]	Tx [kN]	Ty [kN]	Mz [kNm]
19	1.000000e-99	1.000000e-99	2.450153e-01	1.022805e-02	2.481380e+00
18	6.136832e-02	1.470092e+00	1.898922e+00	-3.434749e-03	2.492386e+00
17	4.762932e-02	9.065781e+00	2.481154e-01	3.738164e-02	2.505156e+00
16	1.971559e-01	1.005824e+01	4.617374e+00	-2.369035e-02	2.530053e+00
15	1.142397e-01	2.621905e+01	2.980449e+00	1.514367e-02	2.547326e+00
14	1.672425e-01	3.665062e+01	5.267184e+00	-1.141436e-02	2.564002e+00
13	1.272923e-01	5.508577e+01	5.959467e+00	-1.166094e-02	2.572716e+00
12	8.647902e-02	7.594390e+01	7.041447e+00	-1.867577e-02	2.569358e+00
11	2.111383e-02	1.005890e+02	8.003271e+00	-2.399462e-02	2.549919e+00
10	-6.286735e-02	1.286004e+02	8.978896e+00	-2.987128e-02	2.510352e+00
9	-1.674168e-01	1.600266e+02	9.931055e+00	-3.576632e-02	2.446572e+00
8	-2.925989e-01	1.947852e+02	1.087046e+01	-4.188287e-02	2.354429e+00
7	-4.391890e-01	2.328318e+02	1.179200e+01	-4.822046e-02	2.229688e+00
6	-6.079606e-01	2.741039e+02	1.269652e+01	-5.482046e-02	2.068006e+00
5	-7.998322e-01	3.185417e+02	1.358230e+01	-6.180274e-02	1.864912e+00
4	-1.016142e+00	3.660797e+02	1.441299e+01	-6.870472e-02	1.615807e+00
3	-1.256608e+00	4.165252e+02	1.529266e+01	-7.737649e-02	1.315965e+00
2	-1.527426e+00	4.700495e+02	1.620118e+01	-8.650815e-02	9.451966e-01
1	-1.852697e+00	5.309660e+02	1.655708e+01	-8.450395e-02	3.777255e-01
0	-2.313243e+00	6.212020e+02	1.655708e+01	-8.450395e-02	3.777255e-01

## SHEARWALL no. 2

-----					
piano	Mx [kNm]	My [kNm]	Tx [kN]	Ty [kN]	Mz [kNm]
19	1.000000e-99	1.000000e-99	-4.519931e-02	2.977540e-01	3.614357e+00
18	1.786524e+00	-2.711958e-01	3.910020e+00	-1.244037e-02	3.630388e+00
17	1.736763e+00	1.536888e+01	-1.511556e+00	1.059403e+00	3.648989e+00
16	5.974375e+00	9.322661e+00	1.030610e+01	-4.605132e-01	3.685254e+00
15	4.362578e+00	4.539400e+01	5.014147e+00	5.563329e-01	3.710414e+00
14	6.309743e+00	6.294352e+01	1.090322e+01	-8.756728e-02	3.734704e+00
13	6.003258e+00	1.011048e+02	1.226260e+01	-6.393581e-02	3.747397e+00
12	5.779483e+00	1.440239e+02	1.474712e+01	-2.129210e-01	3.742505e+00
11	5.034259e+00	1.956388e+02	1.690565e+01	-3.196462e-01	3.714190e+00
10	3.915497e+00	2.548086e+02	1.912108e+01	-4.414064e-01	3.656558e+00
9	2.370575e+00	3.217324e+02	2.129168e+01	-5.647179e-01	3.563656e+00
8	3.940625e-01	3.962533e+02	2.344931e+01	-6.948054e-01	3.429442e+00
7	-2.037756e+00	4.783259e+02	2.558405e+01	-8.318800e-01	3.247745e+00
6	-4.949337e+00	5.678700e+02	2.769980e+01	-9.770652e-01	3.012240e+00
5	-8.369065e+00	6.648193e+02	2.979973e+01	-1.133799e+00	2.716415e+00
4	-1.233736e+01	7.691184e+02	3.178810e+01	-1.290712e+00	2.353571e+00
3	-1.685485e+01	8.803767e+02	3.396775e+01	-1.495096e+00	1.916823e+00
2	-2.208769e+01	9.992638e+02	3.622851e+01	-1.711105e+00	1.376765e+00
1	-2.852144e+01	1.135483e+03	3.680936e+01	-1.639201e+00	5.501917e-01
0	-3.745509e+01	1.336094e+03	3.680936e+01	-1.639201e+00	5.501917e-01

## SHEARWALL no. 3

-----					
piano	Mx [kNm]	My [kNm]	Tx [kN]	Ty [kN]	Mz [kNm]
19	1.000000e-99	1.000000e-99	2.450153e-01	-5.701878e-03	2.481380e+00
18	-3.421127e-02	1.470092e+00	1.898922e+00	4.695492e-03	2.492386e+00
17	-1.542930e-02	9.065781e+00	2.481154e-01	-1.680969e-02	2.505156e+00
16	-8.266805e-02	1.005824e+01	4.617374e+00	1.991714e-02	2.530053e+00
15	-1.295805e-02	2.621905e+01	2.980449e+00	-4.114150e-04	2.547326e+00
14	-1.439800e-02	3.665062e+01	5.267184e+00	1.678739e-02	2.564002e+00
13	4.435788e-02	5.508577e+01	5.959467e+00	1.886109e-02	2.572716e+00
12	1.103717e-01	7.594390e+01	7.041447e+00	2.478726e-02	2.569358e+00
11	1.971271e-01	1.005890e+02	8.003271e+00	2.970418e-02	2.549919e+00
10	3.010918e-01	1.286004e+02	8.978896e+00	3.489985e-02	2.510352e+00
9	4.232412e-01	1.600266e+02	9.931055e+00	4.005047e-02	2.446572e+00
8	5.634179e-01	1.947852e+02	1.087046e+01	4.526701e-02	2.354429e+00
7	7.218524e-01	2.328318e+02	1.179200e+01	5.053370e-02	2.229688e+00
6	8.987204e-01	2.741039e+02	1.269652e+01	5.586765e-02	2.068006e+00
5	1.094257e+00	3.185417e+02	1.358230e+01	6.131101e-02	1.864912e+00
4	1.308846e+00	3.660797e+02	1.441299e+01	6.657188e-02	1.615807e+00
3	1.541847e+00	4.165252e+02	1.529266e+01	7.269062e-02	1.315965e+00
2	1.796264e+00	4.700495e+02	1.620118e+01	7.907573e-02	9.451966e-01
1	2.093589e+00	5.309660e+02	1.655708e+01	7.943300e-02	3.777255e-01
0	2.526499e+00	6.212020e+02	1.655708e+01	7.943300e-02	3.777255e-01

## SHEARWALL no. 4

-----					
piano	Mx [kNm]	My [kNm]	Tx [kN]	Ty [kN]	Mz [kNm]
19	1.000000e-99	1.000000e-99	2.954304e-01	-1.711104e-01	3.614357e+00
18	-1.026662e+00	1.772582e+00	4.004901e+00	4.771633e-02	3.630388e+00
17	-8.357969e-01	1.779219e+01	3.664308e-02	-4.837937e-01	3.648989e+00
16	-2.770971e+00	1.793876e+01	1.002213e+01	3.549379e-01	3.685254e+00
15	-1.528689e+00	5.301623e+01	6.122864e+00	-1.441200e-01	3.710414e+00
14	-2.033109e+00	7.444625e+01	1.130758e+01	2.379064e-01	3.734704e+00
13	-1.200436e+00	1.140228e+02	1.280447e+01	2.653983e-01	3.747397e+00
12	-2.715421e-01	1.588384e+02	1.520706e+01	3.839224e-01	3.742505e+00
11	1.072186e+00	2.120631e+02	1.733533e+01	4.794014e-01	3.714190e+00
10	2.750091e+00	2.727368e+02	1.949952e+01	5.821071e-01	3.656558e+00
9	4.787466e+00	3.409851e+02	2.161410e+01	6.845898e-01	3.563656e+00
8	7.183530e+00	4.166345e+02	2.370400e+01	7.894946e-01	3.429442e+00
7	9.946761e+00	4.995985e+02	2.575814e+01	8.966052e-01	3.247745e+00
6	1.308488e+01	5.897520e+02	2.777861e+01	1.006366e+00	3.012240e+00
5	1.660716e+01	6.869771e+02	2.976272e+01	1.120040e+00	2.716415e+00
4	2.052730e+01	7.911466e+02	3.162759e+01	1.231034e+00	2.353571e+00
3	2.483592e+01	9.018432e+02	3.361510e+01	1.363984e+00	1.916823e+00
2	2.960987e+01	1.019496e+03	3.566916e+01	1.503143e+00	1.376765e+00
1	3.526168e+01	1.153612e+03	3.642773e+01	1.497315e+00	5.501917e-01
0	4.342205e+01	1.352143e+03	3.642773e+01	1.497315e+00	5.501917e-01



## SHEARWALL no. 5

-----					
piano	Mx [kNm]	My [kNm]	Tx [kN]	Ty [kN]	Mz [kNm]
19	1.000000e-99	1.000000e-99	2.287033e-03	1.422679e+00	1.634040e+00
18	8.536075e+00	1.372220e-02	7.445336e-03	-2.558121e-01	1.641288e+00
17	7.512827e+00	4.350354e-02	5.289149e-03	5.521261e+00	1.649697e+00
16	2.959787e+01	6.466014e-02	1.624170e-02	-2.759627e+00	1.666093e+00
15	1.993918e+01	1.215061e-01	1.389780e-02	2.747414e+00	1.677468e+00
14	2.955512e+01	1.701484e-01	2.021030e-02	-7.556649e-01	1.688449e+00
13	2.691030e+01	2.408844e-01	2.297490e-02	-6.354184e-01	1.694187e+00
12	2.468633e+01	3.212966e-01	2.656811e-02	-1.450275e+00	1.691976e+00
11	1.961037e+01	4.142850e-01	2.986134e-02	-2.034320e+00	1.679175e+00
10	1.249025e+01	5.187997e-01	3.314795e-02	-2.698524e+00	1.653119e+00
9	3.045417e+00	6.348175e-01	3.633679e-02	-3.369697e+00	1.611119e+00
8	-8.748521e+00	7.619962e-01	3.944889e-02	-4.076278e+00	1.550441e+00
7	-2.301549e+01	9.000674e-01	4.246381e-02	-4.819436e+00	1.468296e+00
6	-3.988352e+01	1.048691e+00	4.538056e-02	-5.605401e+00	1.361825e+00
5	-5.950242e+01	1.207523e+00	4.817911e-02	-6.452817e+00	1.228083e+00
4	-8.208728e+01	1.376150e+00	5.076381e-02	-7.300059e+00	1.064043e+00
3	-1.076375e+02	1.553823e+00	5.335163e-02	-8.403745e+00	8.665902e-01
2	-1.370506e+02	1.740554e+00	5.600551e-02	-9.570602e+00	6.224317e-01
1	-1.730361e+02	1.951134e+00	5.764860e-02	-9.174131e+00	2.487401e-01
0	-2.230351e+02	.265319e+00	5.764860e-02	-9.174131e+00	2.487401e-01

OPEN SHEARWALL no. 1

-----

piano	Mx	My	B	Tx	Ty	Mz,VL	Mz,SV	Mz,TOT
	[kNm]	[kNm]	[kNm^2]	[kN]	[kN]	[kNm]	[kNm]	[kNm]
19	1.00E-99	1.00E-99	1.00E-99	1.65E+00	4.48E-01	-8.87E-02	3.02E+00	2.93E+00
18	2.69E+00	9.88E+00	4.83E-01	5.35E+00	1.89E-01	4.52E-02	3.04E+00	3.08E+00
17	3.44E+00	3.13E+01	3.13E-01	3.81E+00	2.13E+00	-3.02E-01	3.05E+00	2.75E+00
16	1.20E+01	4.65E+01	1.37E+00	1.17E+01	-2.19E-01	2.43E-01	3.08E+00	3.32E+00
15	1.12E+01	8.73E+01	5.19E-01	9.99E+00	1.64E+00	-8.66E-02	3.10E+00	3.02E+00
14	1.69E+01	1.22E+02	8.22E-01	1.45E+01	7.72E-01	1.57E-01	3.12E+00	3.28E+00
13	1.96E+01	1.73E+02	2.73E-01	1.65E+01	9.97E-01	1.70E-01	3.13E+00	3.30E+00
12	2.31E+01	2.31E+02	-3.22E-01	1.91E+01	9.36E-01	2.42E-01	3.13E+00	3.37E+00
11	2.64E+01	2.98E+02	-1.17E+00	2.14E+01	9.41E-01	2.99E-01	3.11E+00	3.41E+00
10	2.97E+01	3.73E+02	-2.21E+00	2.38E+01	9.18E-01	3.60E-01	3.06E+00	3.42E+00
9	3.29E+01	4.56E+02	-3.48E+00	2.61E+01	8.87E-01	4.22E-01	2.98E+00	3.40E+00
8	3.60E+01	5.47E+02	-4.95E+00	2.83E+01	8.40E-01	4.85E-01	2.87E+00	3.35E+00
7	3.90E+01	6.46E+02	-6.65E+00	3.05E+01	7.74E-01	5.50E-01	2.72E+00	3.27E+00
6	4.17E+01	7.53E+02	-8.57E+00	3.26E+01	6.87E-01	6.16E-01	2.52E+00	3.14E+00
5	4.41E+01	8.67E+02	-1.07E+01	3.46E+01	5.70E-01	6.85E-01	2.27E+00	2.96E+00
4	4.61E+01	9.88E+02	-1.31E+01	3.64E+01	4.41E-01	7.53E-01	1.97E+00	2.72E+00
3	4.76E+01	1.12E+03	-1.58E+01	3.83E+01	2.18E-01	8.35E-01	1.60E+00	2.44E+00
2	4.84E+01	1.25E+03	-1.91E+01	4.02E+01	-2.41E-02	9.22E-01	1.15E+00	2.07E+00
1	4.83E+01	1.40E+03	-2.28E+01	4.14E+01	2.44E-01	9.12E-01	4.60E-01	1.37E+00
0	4.96E+01	1.63E+03	-2.83E+01	4.14E+01	2.44E-01	1.37E+00	1.00E-99	1.37E+00

OPEN SHEARWALL no. 2

piano	Mx	My	B	Tx	Ty	Mz,VL	Mz,SV	Mz,TOT
	[kNm]	[kNm]	[kNm^2]	[kN]	[kN]	[kNm]	[kNm]	[kNm]
19	1.00E-99	1.00E-99	1.00E-99	9.66E+00	-8.85E-01	-5.37E-01	1.57E+01	1.52E+01
18	-5.31E+00	5.80E+01	2.93E+00	2.14E+01	7.53E+00	2.74E-01	1.58E+01	1.60E+01
17	2.48E+01	1.43E+02	1.90E+00	2.21E+01	-2.33E+00	-1.83E+00	1.58E+01	1.40E+01
16	1.55E+01	2.32E+02	8.29E+00	4.26E+01	2.06E+01	1.47E+00	1.60E+01	1.75E+01
15	8.76E+01	3.81E+02	3.15E+00	4.22E+01	1.11E+01	-5.25E-01	1.61E+01	1.56E+01
14	1.27E+02	5.29E+02	4.98E+00	5.53E+01	2.30E+01	9.51E-01	1.62E+01	1.72E+01
13	2.07E+02	7.22E+02	1.65E+00	6.27E+01	2.62E+01	1.03E+00	1.63E+01	1.73E+01
12	2.99E+02	9.42E+02	-1.95E+00	7.13E+01	3.15E+01	1.47E+00	1.62E+01	1.77E+01
11	4.09E+02	1.19E+03	-7.08E+00	7.94E+01	3.62E+01	1.81E+00	1.61E+01	1.79E+01
10	5.36E+02	1.47E+03	-1.34E+01	8.73E+01	4.11E+01	2.18E+00	1.59E+01	1.81E+01
9	6.79E+02	1.77E+03	-2.11E+01	9.50E+01	4.58E+01	2.56E+00	1.55E+01	1.80E+01
8	8.40E+02	2.11E+03	-3.00E+01	1.02E+02	5.05E+01	2.94E+00	1.49E+01	1.78E+01
7	1.02E+03	2.47E+03	-4.03E+01	1.09E+02	5.51E+01	3.33E+00	1.41E+01	1.74E+01
6	1.21E+03	2.85E+03	-5.20E+01	1.16E+02	5.96E+01	3.73E+00	1.31E+01	1.68E+01
5	1.42E+03	3.26E+03	-6.50E+01	1.23E+02	6.41E+01	4.15E+00	1.18E+01	1.59E+01
4	1.64E+03	3.68E+03	-7.96E+01	1.29E+02	6.84E+01	4.56E+00	1.02E+01	1.48E+01
3	1.88E+03	4.13E+03	-9.55E+01	1.34E+02	7.29E+01	5.06E+00	8.32E+00	1.34E+01
2	2.14E+03	4.60E+03	-1.16E+02	1.40E+02	7.76E+01	5.58E+00	5.98E+00	1.16E+01
1	2.43E+03	5.13E+03	-1.38E+02	1.44E+02	7.93E+01	5.53E+00	2.39E+00	7.92E+00
0	2.86E+03	5.92E+03	-1.71E+02	1.44E+02	7.93E+01	7.92E+00	1.00E-99	7.92E+00

FRAME no. 1

-----

piano	Tx [kN]	Ty [kN]
18	-3.686834e+00	-2.391874e-06
17	3.531586e+01	2.442538e-05
16	-1.281410e+01	-8.765910e-06
15	2.492126e+01	1.674398e-05
14	7.265963e+00	4.416957e-06
13	1.170614e+01	7.177329e-06
12	1.038787e+01	5.998243e-06
11	1.047142e+01	5.778725e-06
10	1.010062e+01	5.261898e-06
9	9.740622e+00	4.775430e-06
8	9.261007e+00	4.240732e-06
7	8.677188e+00	3.682346e-06
6	7.996554e+00	3.109562e-06
5	7.114716e+00	2.498378e-06
4	6.397388e+00	1.986798e-06
3	4.376281e+00	1.083642e-06
2	2.656610e+00	5.963806e-07
1	1.455327e+01	3.170062e-06
0	1.455327e+01	3.170062e-06

## FRAME no. 2

-----

piano	Tx [kN]	Ty [kN]
19	2.627524e+00	2.068553e-06
18	2.260474e+00	1.661044e-06
17	2.514313e+00	2.335788e-06
16	3.027943e+00	1.974311e-06
15	2.901362e+00	2.317263e-06
14	2.964419e+00	2.026602e-06
13	2.944622e+00	1.974476e-06
12	2.927593e+00	1.845008e-06
11	2.888226e+00	1.718839e-06
10	2.829984e+00	1.575878e-06
9	2.748851e+00	1.421895e-06
8	2.642913e+00	1.256267e-06
7	2.509610e+00	1.080261e-06
6	2.346807e+00	8.953011e-07
5	2.151704e+00	7.019226e-07
4	1.922762e+00	5.070050e-07
3	1.654345e+00	2.943339e-07
2	1.343154e+00	7.874003e-08
1	7.129503e-01	-6.766948e-08
0	7.129503e-01	-6.766948e-08

## FRAME no. 3

-----

piano	Tx [kN]	Ty [kN]
19	2.431616e+00	2.068553e-06
18	2.085668e+00	1.661044e-06
17	2.340800e+00	2.335788e-06
16	2.780700e+00	1.974311e-06
15	2.682044e+00	2.317263e-06
14	2.723860e+00	2.026602e-06
13	2.702500e+00	1.974476e-06
12	2.680163e+00	1.845008e-06
11	2.638137e+00	1.718839e-06
10	2.578657e+00	1.575878e-06
9	2.498455e+00	1.421895e-06
8	2.395849e+00	1.256267e-06
7	2.268666e+00	1.080261e-06
6	2.115118e+00	8.953011e-07
5	1.932794e+00	7.019226e-07
4	1.720662e+00	5.070050e-07
3	1.473101e+00	2.943339e-07
2	1.187751e+00	7.874003e-08
1	6.236529e-01	-6.766948e-08
0	6.236529e-01	-6.766948e-08

## FRAME no. 4

-----

piano	Tx [kN]	Ty [kN]
19	7.512401e+00	6.735929e-06
18	6.792938e+00	5.947057e-06
17	7.475832e+00	6.955151e-06
16	8.707686e+00	7.233806e-06
15	8.449375e+00	7.303926e-06
14	8.431861e+00	6.847641e-06
13	8.300027e+00	6.551461e-06
12	8.142419e+00	6.159395e-06
11	7.928539e+00	5.737235e-06
10	7.658458e+00	5.272564e-06
9	7.324504e+00	4.772750e-06
8	6.921289e+00	4.241164e-06
7	6.442910e+00	3.683235e-06
6	5.884182e+00	3.105447e-06
5	5.238821e+00	2.514527e-06
4	4.504865e+00	1.924036e-06
3	3.665197e+00	1.327401e-06
2	2.695001e+00	7.275196e-07
1	9.040061e-01	6.675905e-08
0	9.040061e-01	6.675905e-08

## FRAME no. 5

-----

Piano	Tx [kN]	Ty [kN]
19	-1.184684e+00	-3.298479e-05
18	-1.074289e+00	-2.890379e-05
17	-1.094214e+00	-3.213783e-05
16	-1.490912e+00	-3.780824e-05
15	-1.366645e+00	-3.656671e-05
14	-1.474272e+00	-3.681539e-05
13	-1.491932e+00	-3.639027e-05
12	-1.525088e+00	-3.590363e-05
11	-1.543838e+00	-3.516014e-05
10	-1.552429e+00	-3.417214e-05
9	-1.546353e+00	-3.289836e-05
8	-1.523300e+00	-3.131273e-05
7	-1.480226e+00	-2.938488e-05
6	-1.414228e+00	-2.708824e-05
5	-1.322007e+00	-2.438947e-05
4	-1.200234e+00	-2.127556e-05
3	-1.045419e+00	-1.766215e-05
2	-8.509314e-01	-1.347850e-05
1	-3.876611e-01	-5.440233e-06
0	-3.876611e-01	-5.440233e-06



## FRAME no. 6

-----

Piano	Tx [kN]	Ty [kN]
19	-8.951624e-01	-3.298479e-05
18	-8.150379e-01	-2.890379e-05
17	-8.202105e-01	-3.213783e-05
16	-1.138732e+00	-3.780824e-05
15	-1.036475e+00	-3.656671e-05
14	-1.127163e+00	-3.681539e-05
13	-1.143299e+00	-3.639027e-05
12	-1.172911e+00	-3.590363e-05
11	-1.191141e+00	-3.516014e-05
10	-1.201598e+00	-3.417214e-05
9	-1.200594e+00	-3.289836e-05
8	-1.186267e+00	-3.131273e-05
7	-1.156142e+00	-2.938488e-05
6	-1.107851e+00	-2.708824e-05
5	-1.038714e+00	-2.438947e-05
4	-9.459438e-01	-2.127556e-05
3	-8.269019e-01	-1.766215e-05
2	-6.761495e-01	-1.347850e-05
1	-3.102315e-01	-5.440233e-06
0	-3.102315e-01	-5.440233e-06

FRAME no. 7

-----

piano	Tx [kN]	Ty [kN]
19	-6.056413e-01	-3.298479e-05
18	-5.557864e-01	-2.890379e-05
17	-5.462075e-01	-3.213783e-05
16	-7.865519e-01	-3.780824e-05
15	-7.063056e-01	-3.656671e-05
14	-7.800530e-01	-3.681539e-05
13	-7.946666e-01	-3.639027e-05
12	-8.207337e-01	-3.590363e-05
11	-8.384440e-01	-3.516014e-05
10	-8.507676e-01	-3.417214e-05
9	-8.548358e-01	-3.289836e-05
8	-8.492339e-01	-3.131273e-05
7	-8.320583e-01	-2.938488e-05
6	-8.014748e-01	-2.708824e-05
5	-7.554219e-01	-2.438947e-05
4	-6.916537e-01	-2.127556e-05
3	-6.083843e-01	-1.766215e-05
2	-5.013676e-01	-1.347850e-05
1	-2.328019e-01	-5.440233e-06
0	-2.328019e-01	-5.440233e-06

## FRAME no. 8

-----

Piano	Tx [kN]	Ty [kN]
19	-3.161202e-01	-3.298479e-05
18	-2.965350e-01	-2.890379e-05
17	-2.722045e-01	-3.213783e-05
16	-4.343719e-01	-3.780824e-05
15	-3.761358e-01	-3.656671e-05
14	-4.329434e-01	-3.681539e-05
13	-4.460339e-01	-3.639027e-05
12	-4.685564e-01	-3.590363e-05
11	-4.857471e-01	-3.516014e-05
10	-4.999367e-01	-3.417214e-05
9	-5.090770e-01	-3.289836e-05
8	-5.122011e-01	-3.131273e-05
7	-5.079747e-01	-2.938488e-05
6	-4.950983e-01	-2.708824e-05
5	-4.721296e-01	-2.438947e-05
4	-4.373636e-01	-2.127556e-05
3	-3.898668e-01	-1.766215e-05
2	-3.265857e-01	-1.347850e-05
1	-1.553723e-01	-5.440233e-06
0	-1.553723e-01	-5.440233e-06

## FRAME no. 9

-----

Piano	Tx [kN]	Ty [kN]
19	-2.659905e-02	-3.298479e-05
18	-3.728361e-02	-2.890379e-05
17	1.798486e-03	-3.213783e-05
16	-8.219188e-02	-3.780824e-05
15	-4.596596e-02	-3.656671e-05
14	-8.583375e-02	-3.681539e-05
13	-9.740123e-02	-3.639027e-05
12	-1.163790e-01	-3.590363e-05
11	-1.330502e-01	-3.516014e-05
10	-1.491058e-01	-3.417214e-05
9	-1.633183e-01	-3.289836e-05
8	-1.751682e-01	-3.131273e-05
7	-1.838911e-01	-2.938488e-05
6	-1.887219e-01	-2.708824e-05
5	-1.888373e-01	-2.438947e-05
4	-1.830735e-01	-2.127556e-05
3	-1.713492e-01	-1.766215e-05
2	-1.518037e-01	-1.347850e-05
1	-7.794275e-02	-5.440233e-06
0	-7.794275e-02	-5.440233e-06

## FRAME no. 10

-----

piano	Tx [kN]	Ty [kN]
19	2.629221e-01	-3.298479e-05
18	2.219678e-01	-2.890379e-05
17	2.758015e-01	-3.213783e-05
16	2.699881e-01	-3.780824e-05
15	2.842039e-01	-3.656671e-05
14	2.612759e-01	-3.681539e-05
13	2.512315e-01	-3.639027e-05
12	2.357984e-01	-3.590363e-05
11	2.196467e-01	-3.516014e-05
10	2.017251e-01	-3.417214e-05
9	1.824404e-01	-3.289836e-05
8	1.618646e-01	-3.131273e-05
7	1.401926e-01	-2.938488e-05
6	1.176546e-01	-2.708824e-05
5	9.445502e-02	-2.438947e-05
4	7.121654e-02	-2.127556e-05
3	4.716840e-02	-1.766215e-05
2	2.297819e-02	-1.347850e-05
1	-5.131603e-04	-5.440233e-06
0	-5.131603e-04	-5.440233e-06

## FRAME no. 11

-----

piano	Tx [kN]	Ty [kN]
19	5.524432e-01	-3.298479e-05
18	4.812192e-01	-2.890379e-05
17	5.498045e-01	-3.213783e-05
16	6.221681e-01	-3.780824e-05
15	6.143737e-01	-3.656671e-05
14	6.083855e-01	-3.681539e-05
13	5.998642e-01	-3.639027e-05
12	5.879757e-01	-3.590363e-05
11	5.723435e-01	-3.516014e-05
10	5.525560e-01	-3.417214e-05
9	5.281991e-01	-3.289836e-05
8	4.988975e-01	-3.131273e-05
7	4.642762e-01	-2.938488e-05
6	4.240311e-01	-2.708824e-05
5	3.777473e-01	-2.438947e-05
4	3.255066e-01	-2.127556e-05
3	2.656860e-01	-1.766215e-05
2	1.977601e-01	-1.347850e-05
1	7.691643e-02	-5.440233e-06
0	7.691643e-02	-5.440233e-06

## FRAME no. 12

-----

piano	Tx [kN]	Ty [kN]
19	8.419643e-01	-3.298479e-05
18	7.404707e-01	-2.890379e-05
17	8.238075e-01	-3.213783e-05
16	9.743481e-01	-3.780824e-05
15	9.445435e-01	-3.656671e-05
14	9.554951e-01	-3.681539e-05
13	9.484969e-01	-3.639027e-05
12	9.401531e-01	-3.590363e-05
11	9.250404e-01	-3.516014e-05
10	9.033869e-01	-3.417214e-05
9	8.739579e-01	-3.289836e-05
8	8.359303e-01	-3.131273e-05
7	7.883598e-01	-2.938488e-05
6	7.304076e-01	-2.708824e-05
5	6.610396e-01	-2.438947e-05
4	5.797967e-01	-2.127556e-05
3	4.842036e-01	-1.766215e-05
2	3.725420e-01	-1.347850e-05
1	1.543460e-01	-5.440233e-06
0	1.543460e-01	-5.440233e-06

## FRAME no. 13

-----

piano	Tx [kN]	Ty [kN]
19	1.131485e+00	-3.298479e-05
18	9.997221e-01	-2.890379e-05
17	1.097810e+00	-3.213783e-05
16	1.326528e+00	-3.780824e-05
15	1.274713e+00	-3.656671e-05
14	1.302605e+00	-3.681539e-05
13	1.297130e+00	-3.639027e-05
12	1.292330e+00	-3.590363e-05
11	1.277737e+00	-3.516014e-05
10	1.254218e+00	-3.417214e-05
9	1.219717e+00	-3.289836e-05
8	1.172963e+00	-3.131273e-05
7	1.112443e+00	-2.938488e-05
6	1.036784e+00	-2.708824e-05
5	9.443320e-01	-2.438947e-05
4	8.340868e-01	-2.127556e-05
3	7.027211e-01	-1.766215e-05
2	5.473240e-01	-1.347850e-05
1	2.317756e-01	-5.440233e-06
0	2.317756e-01	-5.440233e-06



## FRAME no. 14

-----

piano	Tx [kN]	Ty [kN]
19	1.421007e+00	-3.298479e-05
18	1.258973e+00	-2.890379e-05
17	1.371813e+00	-3.213783e-05
16	1.678708e+00	-3.780824e-05
15	1.604883e+00	-3.656671e-05
14	1.649714e+00	-3.681539e-05
13	1.645762e+00	-3.639027e-05
12	1.644508e+00	-3.590363e-05
11	1.630434e+00	-3.516014e-05
10	1.605049e+00	-3.417214e-05
9	1.565475e+00	-3.289836e-05
8	1.509996e+00	-3.131273e-05
7	1.436527e+00	-2.938488e-05
6	1.343161e+00	-2.708824e-05
5	1.227624e+00	-2.438947e-05
4	1.088377e+00	-2.127556e-05
3	9.212387e-01	-1.766215e-05
2	7.221059e-01	-1.347850e-05
1	3.092052e-01	-5.440233e-06
0	3.092052e-01	-5.440233e-06

## FRAME no. 15

-----

piano	Tx [kN]	Ty [kN]
19	1.710528e+00	-3.298479e-05
18	1.518225e+00	-2.890379e-05
17	1.645817e+00	-3.213783e-05
16	2.030888e+00	-3.780824e-05
15	1.935053e+00	-3.656671e-05
14	1.996824e+00	-3.681539e-05
13	1.994395e+00	-3.639027e-05
12	1.996685e+00	-3.590363e-05
11	1.983131e+00	-3.516014e-05
10	1.955880e+00	-3.417214e-05
9	1.911234e+00	-3.289836e-05
8	1.847029e+00	-3.131273e-05
7	1.760611e+00	-2.938488e-05
6	1.649537e+00	-2.708824e-05
5	1.510917e+00	-2.438947e-05
4	1.342667e+00	-2.127556e-05
3	1.139756e+00	-1.766215e-05
2	8.968878e-01	-1.347850e-05
1	3.866348e-01	-5.440233e-06
0	3.866348e-01	-5.440233e-06