

Fire Dynamics Simulator

Current Date : April 5, 2023 09:31:54
Version : FDS 6.4.0
Revision : Git-r10-48-g5996289
Revision Date : Thu Apr 7 11:24:39 2016 -0400
Compilation Date : Thu 04/07/2016 11:28 AM

MPI Enabled; Number of MPI Processes: 1
OpenMP Enabled; Number of OpenMP Threads: 12

MPI version: 3.0
MPI library version: Intel(R) MPI Library 5.1.3 for Windows* OS

Job TITLE :
Job ID string : project

Grid Dimensions, Mesh 1

Cells in the X Direction 100
Cells in the Y Direction 100
Cells in the Z Direction 100

Physical Dimensions, Mesh 1

Length (m) 15.800
Width (m) 21.000
Height (m) 9.400
Initial Time Step (s) 0.075

Miscellaneous Parameters

Simulation Start Time (s) 0.0
Simulation End Time (s) 0.1
LES Calculation
Deardorff Model (C_DEARDORFF) 0.10
Turbulent Prandtl Number 0.50
Turbulent Schmidt Number 0.50
Ambient Temperature (C) 35.00

Mass Fraction Transformation Matrix to Convert Species Mixtures (Columns) to Primitive Species (Rows)

	AIR
NITROGEN	0.756941
OXYGEN	0.229322
CARBON DIOXIDE	0.000587
WATER VAPOR	0.013150

Primitive Species Information

NITROGEN
Gas Species
Molecular Weight (g/mol) 28.01340
Ambient Density (kg/m³) 1.108
Enthalpy of Formation (J/kg) 0.00E+00

OXYGEN
Gas Species
Molecular Weight (g/mol) 31.99880
Ambient Density (kg/m³) 1.265
Enthalpy of Formation (J/kg) 0.00E+00

CARBON DIOXIDE
Gas Species
Molecular Weight (g/mol) 44.00950
Ambient Density (kg/m³) 1.740
Enthalpy of Formation (J/kg) -8.94E+06

WATER VAPOR

Gas Species		
Molecular Weight (g/mol)	18.01528	
Ambient Density (kg/m ³)	0.712	
Enthalpy of Formation (J/kg)	-1.34E+07	

Tracked (Lumped) Species Information

AIR		
Molecular Weight (g/mol)	28.62826	
Ambient Density (kg/m ³)	1.132	
Initial Mass Fraction	1.000	
Enthalpy of Formation (J/kg)	-1.82E+05	
Sub Species	Mass Fraction	Mole Fraction
NITROGEN	7.569407E-01	7.735546E-01
OXYGEN	2.293223E-01	2.051670E-01
CARBON DIOXIDE	5.871759E-04	3.819589E-04
WATER VAPOR	1.314982E-02	2.089651E-02
Viscosity (kg/m/s)	Ambient (293 K): 1.86E-05	
	500 K: 2.60E-05	
	1000 K: 4.12E-05	
	1500 K: 5.37E-05	
Therm. Cond. (W/m/K)	Ambient (293 K): 2.65E-02	
	500 K: 3.81E-02	
	1000 K: 6.70E-02	
	1500 K: 9.29E-02	
Spec. Heat (J/kg/K)	Ambient (293 K): 1.02E+03	
	500 K: 1.05E+03	
	1000 K: 1.16E+03	
	1500 K: 1.24E+03	
Diff. Coeff. (m ² /s)	Ambient (293 K): 2.17E-05	
	500 K: 4.97E-05	
	1000 K: 1.58E-04	
	1500 K: 3.10E-04	

Material Information

1 Hormigón	
Emissivity	0.900
Density (kg/m ³)	500.0
Specific Heat (kJ/kg/K)	1.00
Conductivity (W/m/K)	0.1000
2 Madera pino amarillo	
Emissivity	0.900
Density (kg/m ³)	500.0
Specific Heat (kJ/kg/K)	1.00
Conductivity (W/m/K)	0.1000
3 M03	
Emissivity	0.900
Density (kg/m ³)	464.0
Specific Heat (kJ/kg/K)	0.88
Conductivity (W/m/K)	0.5000
4 I04	
Emissivity	0.900
Density (kg/m ³)	19.0
Specific Heat (kJ/kg/K)	0.96
Conductivity (W/m/K)	0.0500
5 G01	
Emissivity	0.900
Density (kg/m ³)	800.9
Specific Heat (kJ/kg/K)	1.09
Conductivity (W/m/K)	0.1600
6 Glass	
Emissivity	0.900
Density (kg/m ³)	2700.0
Specific Heat (kJ/kg/K)	0.84
Conductivity (W/m/K)	0.7800

Surface Conditions

0 INERT (DEFAULT)

1 SCREED-1 (Transversalmente 11.60 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 11.60000

Density (kg/m3): 500.00

Hormigón, Mass fraction: 0.83

Madera pino amarillo, Mass fraction: 0.17

Total surface density 5800.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003540
2	1	0.0010621
3	1	0.0024782
4	1	0.0053104
5	1	0.0109748
6	1	0.0223036
7	1	0.0449612
8	1	0.0902765
9	1	0.1809070
10	1	0.3621681
11	1	0.7246902
12	1	1.4497345
13	1	2.8998230
14	1	5.8000000
15	1	8.7001770
16	1	10.1502655
17	1	10.8753098
18	1	11.2378319
19	1	11.4190930
20	1	11.5097235
21	1	11.5550388
22	1	11.5776964
23	1	11.5890252
24	1	11.5946896
25	1	11.5975218
26	1	11.5989379
27	1	11.5996460
28	1	11.6000000

Backing to void

2 SCREED-1 (Transversalmente 17.00 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 17.00000

Density (kg/m3): 500.00

Hormigón, Mass fraction: 0.83

Madera pino amarillo, Mass fraction: 0.17

Total surface density 8500.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003459
2	1	0.0010376
3	1	0.0024212
4	1	0.0051882
5	1	0.0107223
6	1	0.0217904
7	1	0.0439268
8	1	0.0881994
9	1	0.1767447
10	1	0.3538352
11	1	0.7080163
12	1	1.4163784
13	1	2.8331027
14	1	5.6665514
15	1	11.3334486
16	1	14.1668973
17	1	15.5836216
18	1	16.2919837
19	1	16.6461648
20	1	16.8232553
21	1	16.9118006

22	1	16.9560732
23	1	16.9782096
24	1	16.9892777
25	1	16.9948118
26	1	16.9975788
27	1	16.9989624
28	1	16.9996541
29	1	17.0000000

Backing to void

3 SCREED-1 (Opposite direction)

Material List

- 1 Madera pino amarillo
- 2 Hormigón

Layer 1

Thickness (m): 0.02000
 Density (kg/m3): 500.00
 Madera pino amarillo, Mass fraction: 1.00

Layer 2

Thickness (m): 0.10000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 1.00

Total surface density 60.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004348
2	1	0.0013043
3	1	0.0030435
4	1	0.0065217
5	1	0.0134783
6	1	0.0169565
7	1	0.0186957
8	1	0.0195652
9	1	0.0200000
10	2	0.0203937
11	2	0.0211811
12	2	0.0227559
13	2	0.0259055
14	2	0.0322047
15	2	0.0448031
16	2	0.0700000
17	2	0.0951969
18	2	0.1077953
19	2	0.1140945
20	2	0.1172441
21	2	0.1188189
22	2	0.1196063
23	2	0.1200000

Backing to void

4 SCREED-1 (Normal direction)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 0.10000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 1.00

Layer 2

Thickness (m): 0.02000
 Density (kg/m3): 500.00
 Madera pino amarillo, Mass fraction: 1.00

Total surface density 60.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003937
2	1	0.0011811
3	1	0.0027559
4	1	0.0059055
5	1	0.0122047
6	1	0.0248031
7	1	0.0500000
8	1	0.0751969
9	1	0.0877953
10	1	0.0940945
11	1	0.0972441
12	1	0.0988189
13	1	0.0996063

14	1	0.1000000
15	2	0.1004348
16	2	0.1013043
17	2	0.1030435
18	2	0.1065217
19	2	0.1134783
20	2	0.1169565
21	2	0.1186957
22	2	0.1195652
23	2	0.1200000

Backing to void

5 ROOF-1 (Transversalmente 11.60 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 11.60000
Density (kg/m3): 500.00
Hormigón, Mass fraction: 0.83
Madera pino amarillo, Mass fraction: 0.17

Total surface density 5800.000 kg/m2
Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003540
2	1	0.0010621
3	1	0.0024782
4	1	0.0053104
5	1	0.0109748
6	1	0.0223036
7	1	0.0449612
8	1	0.0902765
9	1	0.1809070
10	1	0.3621681
11	1	0.7246902
12	1	1.4497345
13	1	2.8998230
14	1	5.8000000
15	1	8.7001770
16	1	10.1502655
17	1	10.8753098
18	1	11.2378319
19	1	11.4190930
20	1	11.5097235
21	1	11.5550388
22	1	11.5776964
23	1	11.5890252
24	1	11.5946896
25	1	11.5975218
26	1	11.5989379
27	1	11.5996460
28	1	11.6000000

Backing to void

6 ROOF-1 (Transversalmente 17.00 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 17.00000
Density (kg/m3): 500.00
Hormigón, Mass fraction: 0.83
Madera pino amarillo, Mass fraction: 0.17

Total surface density 8500.000 kg/m2
Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003459
2	1	0.0010376
3	1	0.0024212
4	1	0.0051882
5	1	0.0107223
6	1	0.0217904
7	1	0.0439268
8	1	0.0881994
9	1	0.1767447
10	1	0.3538352
11	1	0.7080163
12	1	1.4163784

13	1	2.8331027
14	1	5.6665514
15	1	11.3334486
16	1	14.1668973
17	1	15.5836216
18	1	16.2919837
19	1	16.6461648
20	1	16.8232553
21	1	16.9118006
22	1	16.9560732
23	1	16.9782096
24	1	16.9892777
25	1	16.9948118
26	1	16.9975788
27	1	16.9989624
28	1	16.9996541
29	1	17.0000000

Backing to void

7 ROOF-1 (Opposite direction)

Material List

- 1 Madera pino amarillo
- 2 Hormigón

Layer 1

Thickness (m): 0.02000
 Density (kg/m3): 500.00
 Madera pino amarillo, Mass fraction: 1.00

Layer 2

Thickness (m): 0.10000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 1.00

Total surface density 60.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004348
2	1	0.0013043
3	1	0.0030435
4	1	0.0065217
5	1	0.0134783
6	1	0.0169565
7	1	0.0186957
8	1	0.0195652
9	1	0.0200000
10	2	0.0203937
11	2	0.0211811
12	2	0.0227559
13	2	0.0259055
14	2	0.0322047
15	2	0.0448031
16	2	0.0700000
17	2	0.0951969
18	2	0.1077953
19	2	0.1140945
20	2	0.1172441
21	2	0.1188189
22	2	0.1196063
23	2	0.1200000

Backing to void

8 ROOF-1 (Normal direction)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 0.10000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 1.00

Layer 2

Thickness (m): 0.02000
 Density (kg/m3): 500.00
 Madera pino amarillo, Mass fraction: 1.00

Total surface density 60.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003937
2	1	0.0011811
3	1	0.0027559
4	1	0.0059055

5	1	0.0122047
6	1	0.0248031
7	1	0.0500000
8	1	0.0751969
9	1	0.0877953
10	1	0.0940945
11	1	0.0972441
12	1	0.0988189
13	1	0.0996063
14	1	0.1000000
15	2	0.1004348
16	2	0.1013043
17	2	0.1030435
18	2	0.1065217
19	2	0.1134783
20	2	0.1169565
21	2	0.1186957
22	2	0.1195652
23	2	0.1200000

Backing to void

9 WALL-1 (Normal direction)

Material List

1 M03
2 I04
3 G01

Layer 1

Thickness (m): 0.20000
Density (kg/m3): 464.00
M03, Mass fraction: 1.00

Layer 2

Thickness (m): 0.09000
Density (kg/m3): 19.00
I04, Mass fraction: 1.00

Layer 3

Thickness (m): 0.02000
Density (kg/m3): 800.90
G01, Mass fraction: 1.00

Total surface density 110.528 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0010526
2	1	0.0031579
3	1	0.0073684
4	1	0.0157895
5	1	0.0326316
6	1	0.0663158
7	1	0.1336842
8	1	0.1673684
9	1	0.1842105
10	1	0.1926316
11	1	0.1968421
12	1	0.1989474
13	1	0.2000000
14	2	0.2014516
15	2	0.2043548
16	2	0.2101613
17	2	0.2217742
18	2	0.2450000
19	2	0.2682258
20	2	0.2798387
21	2	0.2856452
22	2	0.2885484
23	2	0.2900000
24	3	0.2903226
25	3	0.2909677
26	3	0.2922581
27	3	0.2948387
28	3	0.3000000
29	3	0.3051613
30	3	0.3077419
31	3	0.3090323
32	3	0.3096774
33	3	0.3100000

Backing to void

10 WALL-1 (Transversalmente 5.00 m)

Material List

1 M03
2 I04
3 G01

Layer 1

Thickness (m): 5.00000
Density (kg/m3): 59.70
M03, Mass fraction: 0.65
I04, Mass fraction: 0.29
G01, Mass fraction: 0.06

Total surface density 298.487 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004070
2	1	0.0012209
3	1	0.0028488
4	1	0.0061045
5	1	0.0126160
6	1	0.0256389
7	1	0.0516848
8	1	0.1037767
9	1	0.2079603
10	1	0.4163275
11	1	0.8330620
12	1	1.6665310
13	1	3.3334690
14	1	4.1669380
15	1	4.5836725
16	1	4.7920397
17	1	4.8962233
18	1	4.9483152
19	1	4.9743611
20	1	4.9873840
21	1	4.9938955
22	1	4.9971512
23	1	4.9987791
24	1	4.9995930
25	1	5.0000000

Backing to void

11 WALL-1 (Transversalmente 3.00 m)

Material List

1 M03
2 I04
3 G01

Layer 1

Thickness (m): 3.00000
Density (kg/m3): 59.70
M03, Mass fraction: 0.65
I04, Mass fraction: 0.29
G01, Mass fraction: 0.06

Total surface density 179.092 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003663
2	1	0.0010989
3	1	0.0025641
4	1	0.0054945
5	1	0.0113553
6	1	0.0230769
7	1	0.0465201
8	1	0.0934066
9	1	0.1871795
10	1	0.3747253
11	1	0.7498168
12	1	1.5000000
13	1	2.2501832
14	1	2.6252747
15	1	2.8128205
16	1	2.9065934
17	1	2.9534799
18	1	2.9769231
19	1	2.9886447
20	1	2.9945055
21	1	2.9974359
22	1	2.9989011
23	1	2.9996337
24	1	3.0000000

Backing to void

12 WALL-1 (Opposite direction)

Material List

- 1 G01
- 2 I04
- 3 M03

Layer 1

Thickness (m): 0.02000
Density (kg/m3): 800.90
G01, Mass fraction: 1.00

Layer 2

Thickness (m): 0.09000
Density (kg/m3): 19.00
I04, Mass fraction: 1.00

Layer 3

Thickness (m): 0.20000
Density (kg/m3): 464.00
M03, Mass fraction: 1.00

Total surface density 110.528 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003226
2	1	0.0009677
3	1	0.0022581
4	1	0.0048387
5	1	0.0100000
6	1	0.0151613
7	1	0.0177419
8	1	0.0190323
9	1	0.0196774
10	1	0.0200000
11	2	0.0214516
12	2	0.0243548
13	2	0.0301613
14	2	0.0417742
15	2	0.0650000
16	2	0.0882258
17	2	0.0998387
18	2	0.1056452
19	2	0.1085484
20	2	0.1100000
21	3	0.1110526
22	3	0.1131579
23	3	0.1173684
24	3	0.1257895
25	3	0.1426316
26	3	0.1763158
27	3	0.2436842
28	3	0.2773684
29	3	0.2942105
30	3	0.3026316
31	3	0.3068421
32	3	0.3089474
33	3	0.3100000

Backing to void

13 WALL-1 (Transversalmente 11.60 m)

Material List

- 1 M03
- 2 I04
- 3 G01

Layer 1

Thickness (m): 11.60000
Density (kg/m3): 59.70
M03, Mass fraction: 0.65
I04, Mass fraction: 0.29
G01, Mass fraction: 0.06

Total surface density 692.490 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003540
2	1	0.0010621
3	1	0.0024782
4	1	0.0053104
5	1	0.0109748
6	1	0.0223036
7	1	0.0449612
8	1	0.0902765

9	1	0.1809070
10	1	0.3621681
11	1	0.7246902
12	1	1.4497345
13	1	2.8998230
14	1	5.8000000
15	1	8.7001770
16	1	10.1502655
17	1	10.8753098
18	1	11.2378319
19	1	11.4190930
20	1	11.5097235
21	1	11.5550388
22	1	11.5776964
23	1	11.5890252
24	1	11.5946896
25	1	11.5975218
26	1	11.5989379
27	1	11.5996460
28	1	11.6000000

Backing to void

14 WALL-1 (Transversalmente 6.60 m)

Material List

1 M03
2 I04
3 G01

Layer 1

Thickness (m): 6.60000
Density (kg/m3): 59.70
M03, Mass fraction: 0.65
I04, Mass fraction: 0.29
G01, Mass fraction: 0.06

Total surface density 394.003 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004029
2	1	0.0012086
3	1	0.0028202
4	1	0.0060432
5	1	0.0124893
6	1	0.0253815
7	1	0.0511659
8	1	0.1027347
9	1	0.2058723
10	1	0.4121475
11	1	0.8246978
12	1	1.6497986
13	1	3.3000000
14	1	4.9502014
15	1	5.7753022
16	1	6.1878525
17	1	6.3941277
18	1	6.4972653
19	1	6.5488341
20	1	6.5746185
21	1	6.5875107
22	1	6.5939568
23	1	6.5971798
24	1	6.5987914
25	1	6.5995971
26	1	6.6000000

Backing to void

15 WALL-1 (Transversalmente 1.60 m)

Material List

1 M03
2 I04
3 G01

Layer 1

Thickness (m): 1.60000
Density (kg/m3): 59.70
M03, Mass fraction: 0.65
I04, Mass fraction: 0.29
G01, Mass fraction: 0.06

Total surface density 95.516 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
---	---	-----------

1	1	0.0003908
2	1	0.0011724
3	1	0.0027357
4	1	0.0058622
5	1	0.0121153
6	1	0.0246214
7	1	0.0496336
8	1	0.0996580
9	1	0.1997069
10	1	0.3998046
11	1	0.8000000
12	1	1.2001954
13	1	1.4002931
14	1	1.5003420
15	1	1.5503664
16	1	1.5753786
17	1	1.5878847
18	1	1.5941378
19	1	1.5972643
20	1	1.5988276
21	1	1.5996092
22	1	1.6000000

Backing to void

16 WALL-1 (Transversalmente 1.00 m)

Material List

1 M03
2 I04
3 G01

Layer 1

Thickness (m): 1.00000
Density (kg/m3): 59.70
M03, Mass fraction: 0.65
I04, Mass fraction: 0.29
G01, Mass fraction: 0.06

Total surface density 59.697 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003257
2	1	0.0009772
3	1	0.0022801
4	1	0.0048860
5	1	0.0100977
6	1	0.0205212
7	1	0.0413681
8	1	0.0830619
9	1	0.1664495
10	1	0.3332248
11	1	0.6667752
12	1	0.8335505
13	1	0.9169381
14	1	0.9586319
15	1	0.9794788
16	1	0.9899023
17	1	0.9951140
18	1	0.9977199
19	1	0.9990228
20	1	0.9996743
21	1	1.0000000

Backing to void

17 WALL-1 (Transversalmente 3.40 m)

Material List

1 M03
2 I04
3 G01

Layer 1

Thickness (m): 3.40000
Density (kg/m3): 59.70
M03, Mass fraction: 0.65
I04, Mass fraction: 0.29
G01, Mass fraction: 0.06

Total surface density 202.971 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004151
2	1	0.0012454
3	1	0.0029060

4	1	0.0062271
5	1	0.0128694
6	1	0.0261538
7	1	0.0527228
8	1	0.1058608
9	1	0.2121368
10	1	0.4246886
11	1	0.8497924
12	1	1.7000000
13	1	2.5502076
14	1	2.9753114
15	1	3.1878632
16	1	3.2941392
17	1	3.3472772
18	1	3.3738462
19	1	3.3871306
20	1	3.3937729
21	1	3.3970940
22	1	3.3987546
23	1	3.3995849
24	1	3.4000000

Backing to void

18 WALL-1 (Transversalmente 7.20 m)

Material List

1 M03
2 I04
3 G01

Layer 1

Thickness (m): 7.20000
Density (kg/m3): 59.70
M03, Mass fraction: 0.65
I04, Mass fraction: 0.29
G01, Mass fraction: 0.06

Total surface density 429.821 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0002930
2	1	0.0008790
3	1	0.0020509
4	1	0.0043949
5	1	0.0090828
6	1	0.0184585
7	1	0.0372101
8	1	0.0747131
9	1	0.1497192
10	1	0.2997314
11	1	0.5997558
12	1	1.1998047
13	1	2.3999023
14	1	4.8000977
15	1	6.0001953
16	1	6.6002442
17	1	6.9002686
18	1	7.0502808
19	1	7.1252869
20	1	7.1627899
21	1	7.1815415
22	1	7.1909172
23	1	7.1956051
24	1	7.1979491
25	1	7.1991210
26	1	7.1997070
27	1	7.2000000

Backing to void

19 WALL-1 (Transversalmente 2.20 m)

Material List

1 M03
2 I04
3 G01

Layer 1

Thickness (m): 2.20000
Density (kg/m3): 59.70
M03, Mass fraction: 0.65
I04, Mass fraction: 0.29
G01, Mass fraction: 0.06

Total surface density 131.334 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003582
2	1	0.0010746
3	1	0.0025073
4	1	0.0053728
5	1	0.0111039
6	1	0.0225659
7	1	0.0454901
8	1	0.0913383
9	1	0.1830348
10	1	0.3664279
11	1	0.7332139
12	1	1.4667861
13	1	1.8335721
14	1	2.0169652
15	1	2.1086617
16	1	2.1545099
17	1	2.1774341
18	1	2.1888961
19	1	2.1946272
20	1	2.1974927
21	1	2.1989254
22	1	2.1996418
23	1	2.2000000

Backing to void

20 PARTITION-1 (Transversalmente 1.40 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 1.40000

Density (kg/m3): 500.00

Hormigón, Mass fraction: 0.83

Madera pino amarillo, Mass fraction: 0.17

Total surface density 700.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003420
2	1	0.0010259
3	1	0.0023937
4	1	0.0051295
5	1	0.0106009
6	1	0.0215437
7	1	0.0434294
8	1	0.0872008
9	1	0.1747435
10	1	0.3498290
11	1	0.7000000
12	1	1.0501710
13	1	1.2252565
14	1	1.3127992
15	1	1.3565706
16	1	1.3784563
17	1	1.3893991
18	1	1.3948705
19	1	1.3976063
20	1	1.3989741
21	1	1.3996580
22	1	1.4000000

Backing to void

21 PARTITION-1 (Normal direction)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 0.10000

Density (kg/m3): 500.00

Hormigón, Mass fraction: 1.00

Layer 2

Thickness (m): 0.02000

Density (kg/m3): 500.00

Madera pino amarillo, Mass fraction: 1.00

Total surface density 60.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
---	---	-----------

1	1	0.0003937
2	1	0.0011811
3	1	0.0027559
4	1	0.0059055
5	1	0.0122047
6	1	0.0248031
7	1	0.0500000
8	1	0.0751969
9	1	0.0877953
10	1	0.0940945
11	1	0.0972441
12	1	0.0988189
13	1	0.0996063
14	1	0.1000000
15	2	0.1004348
16	2	0.1013043
17	2	0.1030435
18	2	0.1065217
19	2	0.1134783
20	2	0.1169565
21	2	0.1186957
22	2	0.1195652
23	2	0.1200000

Backing to void

22 PARTITION-1 (Transversalmente 2.80 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 2.80000
Density (kg/m3): 500.00
Hormigón, Mass fraction: 0.83
Madera pino amarillo, Mass fraction: 0.17

Total surface density 1400.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003419
2	1	0.0010256
3	1	0.0023932
4	1	0.0051282
5	1	0.0105983
6	1	0.0215385
7	1	0.0434188
8	1	0.0871795
9	1	0.1747009
10	1	0.3497436
11	1	0.6998291
12	1	1.4000000
13	1	2.1001709
14	1	2.4502564
15	1	2.6252991
16	1	2.7128205
17	1	2.7565812
18	1	2.7784615
19	1	2.7894017
20	1	2.7948718
21	1	2.7976068
22	1	2.7989744
23	1	2.7996581
24	1	2.8000000

Backing to void

23 PARTITION-1 (Opposite direction)

Material List

- 1 Madera pino amarillo
- 2 Hormigón

Layer 1

Thickness (m): 0.02000
Density (kg/m3): 500.00
Madera pino amarillo, Mass fraction: 1.00

Layer 2

Thickness (m): 0.10000
Density (kg/m3): 500.00
Hormigón, Mass fraction: 1.00

Total surface density 60.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
---	---	-----------

1	1	0.0004348
2	1	0.0013043
3	1	0.0030435
4	1	0.0065217
5	1	0.0134783
6	1	0.0169565
7	1	0.0186957
8	1	0.0195652
9	1	0.0200000
10	2	0.0203937
11	2	0.0211811
12	2	0.0227559
13	2	0.0259055
14	2	0.0322047
15	2	0.0448031
16	2	0.0700000
17	2	0.0951969
18	2	0.1077953
19	2	0.1140945
20	2	0.1172441
21	2	0.1188189
22	2	0.1196063
23	2	0.1200000

Backing to void

24 PARTITION-1 (Transversalmente 0.20 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 0.20000
Density (kg/m3): 500.00
Hormigón, Mass fraction: 0.83
Madera pino amarillo, Mass fraction: 0.17

Total surface density 100.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003922
2	1	0.0011765
3	1	0.0027451
4	1	0.0058824
5	1	0.0121569
6	1	0.0247059
7	1	0.0498039
8	1	0.1000000
9	1	0.1501961
10	1	0.1752941
11	1	0.1878431
12	1	0.1941176
13	1	0.1972549
14	1	0.1988235
15	1	0.1996078
16	1	0.2000000

Backing to void

25 PARTITION-1 (Transversalmente 0.80 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 0.80000
Density (kg/m3): 500.00
Hormigón, Mass fraction: 0.83
Madera pino amarillo, Mass fraction: 0.17

Total surface density 400.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003910
2	1	0.0011730
3	1	0.0027370
4	1	0.0058651
5	1	0.0121212
6	1	0.0246334
7	1	0.0496579
8	1	0.0997067
9	1	0.1998045
10	1	0.4000000
11	1	0.6001955

12	1	0.7002933
13	1	0.7503421
14	1	0.7753666
15	1	0.7878788
16	1	0.7941349
17	1	0.7972630
18	1	0.7988270
19	1	0.7996090
20	1	0.8000000

Backing to void

26 PARTITION-1 (Transversalmente 1.00 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 1.00000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17

Total surface density 500.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003257
2	1	0.0009772
3	1	0.0022801
4	1	0.0048860
5	1	0.0100977
6	1	0.0205212
7	1	0.0413681
8	1	0.0830619
9	1	0.1664495
10	1	0.3332248
11	1	0.6667752
12	1	0.8335505
13	1	0.9169381
14	1	0.9586319
15	1	0.9794788
16	1	0.9899023
17	1	0.9951140
18	1	0.9977199
19	1	0.9990228
20	1	0.9996743
21	1	1.0000000

Backing to void

27 PARTITION-1 (Transversalmente 3.80 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 3.80000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17

Total surface density 1900.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003093
2	1	0.0009279
3	1	0.0021651
4	1	0.0046394
5	1	0.0095881
6	1	0.0194856
7	1	0.0392805
8	1	0.0788703
9	1	0.1580498
10	1	0.3164089
11	1	0.6331271
12	1	1.2665636
13	1	2.5334364
14	1	3.1668729
15	1	3.4835911
16	1	3.6419502
17	1	3.7211297
18	1	3.7607195
19	1	3.7805144
20	1	3.7904119

21	1	3.7953606
22	1	3.7978349
23	1	3.7990721
24	1	3.7996907
25	1	3.8000000

Backing to void

28 PARTITION-1 (Transversalmente 0.60 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 0.60000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17

Total surface density 300.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003911
2	1	0.0011734
3	1	0.0027379
4	1	0.0058670
5	1	0.0121252
6	1	0.0246415
7	1	0.0496741
8	1	0.0997392
9	1	0.1998696
10	1	0.4001304
11	1	0.5002608
12	1	0.5503259
13	1	0.5753585
14	1	0.5878748
15	1	0.5941330
16	1	0.5972621
17	1	0.5988266
18	1	0.5996089
19	1	0.6000000

Backing to void

29 PARTITION-1 (Transversalmente 1.20 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 1.20000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17

Total surface density 600.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003909
2	1	0.0011726
3	1	0.0027362
4	1	0.0058632
5	1	0.0121173
6	1	0.0246254
7	1	0.0496417
8	1	0.0996743
9	1	0.1997394
10	1	0.3998697
11	1	0.8001303
12	1	1.0002606
13	1	1.1003257
14	1	1.1503583
15	1	1.1753746
16	1	1.1878827
17	1	1.1941368
18	1	1.1972638
19	1	1.1988274
20	1	1.1996091
21	1	1.2000000

Backing to void

30 PARTITION-1 (Transversalmente 2.40 m)

Material List

- 1 Hormigón

2 Madera pino amarillo
 Layer 1
 Thickness (m): 2.40000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17
 Total surface density 1200.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

Node	Layer	Coordinates(m)
0	1	0.0000000
1	1	0.0003908
2	1	0.0011723
3	1	0.0027353
4	1	0.0058613
5	1	0.0121133
6	1	0.0246174
7	1	0.0496255
8	1	0.0996418
9	1	0.1996744
10	1	0.3997395
11	1	0.7998697
12	1	1.6001303
13	1	2.0002605
14	1	2.2003256
15	1	2.3003582
16	1	2.3503745
17	1	2.3753826
18	1	2.3878867
19	1	2.3941387
20	1	2.3972647
21	1	2.3988277
22	1	2.3996092
23	1	2.4000000

Backing to void

31 PARTITION-1 (Transversalmente 5.00 m)
 Material List
 1 Hormigón
 2 Madera pino amarillo
 Layer 1
 Thickness (m): 5.00000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17
 Total surface density 2500.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

Node	Layer	Coordinates(m)
0	1	0.0000000
1	1	0.0004070
2	1	0.0012209
3	1	0.0028488
4	1	0.0061045
5	1	0.0126160
6	1	0.0256389
7	1	0.0516848
8	1	0.1037767
9	1	0.2079603
10	1	0.4163275
11	1	0.8330620
12	1	1.6665310
13	1	3.3334690
14	1	4.1669380
15	1	4.5836725
16	1	4.7920397
17	1	4.8962233
18	1	4.9483152
19	1	4.9743611
20	1	4.9873840
21	1	4.9938955
22	1	4.9971512
23	1	4.9987791
24	1	4.9995930
25	1	5.0000000

Backing to void

32 WINDOW DOUBLE (Normal direction)
 Material List
 1 Hormigón
 2 Madera pino amarillo
 Layer 1

Thickness (m): 0.10000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 1.00
 Layer 2
 Thickness (m): 0.02000
 Density (kg/m3): 500.00
 Madera pino amarillo, Mass fraction: 1.00
 Total surface density 60.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003937
2	1	0.0011811
3	1	0.0027559
4	1	0.0059055
5	1	0.0122047
6	1	0.0248031
7	1	0.0500000
8	1	0.0751969
9	1	0.0877953
10	1	0.0940945
11	1	0.0972441
12	1	0.0988189
13	1	0.0996063
14	1	0.1000000
15	2	0.1004348
16	2	0.1013043
17	2	0.1030435
18	2	0.1065217
19	2	0.1134783
20	2	0.1169565
21	2	0.1186957
22	2	0.1195652
23	2	0.1200000

Backing to void

33 WINDOW DOUBLE (Transversalmente 1.80 m)

Material List
 1 Hormigón
 2 Madera pino amarillo
 Layer 1
 Thickness (m): 1.80000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17
 Total surface density 900.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004397
2	1	0.0013190
3	1	0.0030777
4	1	0.0065950
5	1	0.0136297
6	1	0.0276991
7	1	0.0558378
8	1	0.1121153
9	1	0.2246702
10	1	0.4497802
11	1	0.9000000
12	1	1.3502198
13	1	1.5753298
14	1	1.6878847
15	1	1.7441622
16	1	1.7723009
17	1	1.7863703
18	1	1.7934050
19	1	1.7969223
20	1	1.7986810
21	1	1.7995603
22	1	1.8000000

Backing to void

34 WINDOW DOUBLE (Transversalmente 1.00 m)

Material List
 1 Hormigón
 2 Madera pino amarillo
 Layer 1
 Thickness (m): 1.00000
 Density (kg/m3): 500.00

Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17
 Total surface density 500.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003257
2	1	0.0009772
3	1	0.0022801
4	1	0.0048860
5	1	0.0100977
6	1	0.0205212
7	1	0.0413681
8	1	0.0830619
9	1	0.1664495
10	1	0.3332248
11	1	0.6667752
12	1	0.8335505
13	1	0.9169381
14	1	0.9586319
15	1	0.9794788
16	1	0.9899023
17	1	0.9951140
18	1	0.9977199
19	1	0.9990228
20	1	0.9996743
21	1	1.0000000

Backing to void

35 WINDOW DOUBLE (Opposite direction)

Material List
 1 Madera pino amarillo
 2 Hormigón
 Layer 1
 Thickness (m): 0.02000
 Density (kg/m3): 500.00
 Madera pino amarillo, Mass fraction: 1.00
 Layer 2
 Thickness (m): 0.10000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 1.00
 Total surface density 60.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004348
2	1	0.0013043
3	1	0.0030435
4	1	0.0065217
5	1	0.0134783
6	1	0.0169565
7	1	0.0186957
8	1	0.0195652
9	1	0.0200000
10	2	0.0203937
11	2	0.0211811
12	2	0.0227559
13	2	0.0259055
14	2	0.0322047
15	2	0.0448031
16	2	0.0700000
17	2	0.0951969
18	2	0.1077953
19	2	0.1140945
20	2	0.1172441
21	2	0.1188189
22	2	0.1196063
23	2	0.1200000

Backing to void

36 WINDOW SIMPLE (Normal direction)

Material List
 1 Hormigón
 2 Madera pino amarillo
 Layer 1
 Thickness (m): 0.10000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 1.00
 Layer 2
 Thickness (m): 0.02000

Density (kg/m3): 500.00
 Madera pino amarillo, Mass fraction: 1.00
 Total surface density 60.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003937
2	1	0.0011811
3	1	0.0027559
4	1	0.0059055
5	1	0.0122047
6	1	0.0248031
7	1	0.0500000
8	1	0.0751969
9	1	0.0877953
10	1	0.0940945
11	1	0.0972441
12	1	0.0988189
13	1	0.0996063
14	1	0.1000000
15	2	0.1004348
16	2	0.1013043
17	2	0.1030435
18	2	0.1065217
19	2	0.1134783
20	2	0.1169565
21	2	0.1186957
22	2	0.1195652
23	2	0.1200000

Backing to void

37 WINDOW SIMPLE (Transversalmente 1.00 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 1.00000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17
 Total surface density 500.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003257
2	1	0.0009772
3	1	0.0022801
4	1	0.0048860
5	1	0.0100977
6	1	0.0205212
7	1	0.0413681
8	1	0.0830619
9	1	0.1664495
10	1	0.3332248
11	1	0.6667752
12	1	0.8335505
13	1	0.9169381
14	1	0.9586319
15	1	0.9794788
16	1	0.9899023
17	1	0.9951140
18	1	0.9977199
19	1	0.9990228
20	1	0.9996743
21	1	1.0000000

Backing to void

38 WINDOW SIMPLE (Opposite direction)

Material List

- 1 Madera pino amarillo
- 2 Hormigón

Layer 1

Thickness (m): 0.02000
 Density (kg/m3): 500.00
 Madera pino amarillo, Mass fraction: 1.00

Layer 2

Thickness (m): 0.10000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 1.00
 Total surface density 60.000 kg/m2

Solid Phase Node	Layer	Coordinates(m)
0	1	0.0000000
1	1	0.0004348
2	1	0.0013043
3	1	0.0030435
4	1	0.0065217
5	1	0.0134783
6	1	0.0169565
7	1	0.0186957
8	1	0.0195652
9	1	0.0200000
10	2	0.0203937
11	2	0.0211811
12	2	0.0227559
13	2	0.0259055
14	2	0.0322047
15	2	0.0448031
16	2	0.0700000
17	2	0.0951969
18	2	0.1077953
19	2	0.1140945
20	2	0.1172441
21	2	0.1188189
22	2	0.1196063
23	2	0.1200000

Backing to void

39 DOOR DOUBLE (Transversalmente 1.60 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 1.60000

Density (kg/m3): 500.00

Hormigón, Mass fraction: 0.83

Madera pino amarillo, Mass fraction: 0.17

Total surface density 800.000 kg/m2

Solid Phase Node	Layer	Coordinates(m)
0	1	0.0000000
1	1	0.0003908
2	1	0.0011724
3	1	0.0027357
4	1	0.0058622
5	1	0.0121153
6	1	0.0246214
7	1	0.0496336
8	1	0.0996580
9	1	0.1997069
10	1	0.3998046
11	1	0.8000000
12	1	1.2001954
13	1	1.4002931
14	1	1.5003420
15	1	1.5503664
16	1	1.5753786
17	1	1.5878847
18	1	1.5941378
19	1	1.5972643
20	1	1.5988276
21	1	1.5996092
22	1	1.6000000

Backing to void

40 DOOR DOUBLE (Normal direction)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 0.10000

Density (kg/m3): 500.00

Hormigón, Mass fraction: 1.00

Layer 2

Thickness (m): 0.02000

Density (kg/m3): 500.00

Madera pino amarillo, Mass fraction: 1.00

Total surface density 60.000 kg/m2

Solid Phase Node	Layer	Coordinates(m)
0	1	0.0000000

Backing to void

1	1	0.0003937
2	1	0.0011811
3	1	0.0027559
4	1	0.0059055
5	1	0.0122047
6	1	0.0248031
7	1	0.0500000
8	1	0.0751969
9	1	0.0877953
10	1	0.0940945
11	1	0.0972441
12	1	0.0988189
13	1	0.0996063
14	1	0.1000000
15	2	0.1004348
16	2	0.1013043
17	2	0.1030435
18	2	0.1065217
19	2	0.1134783
20	2	0.1169565
21	2	0.1186957
22	2	0.1195652
23	2	0.1200000

Backing to void

41 DOOR DOUBLE (Transversalmente 2.00 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 2.00000
Density (kg/m3): 500.00
Hormigón, Mass fraction: 0.83
Madera pino amarillo, Mass fraction: 0.17

Total surface density 1000.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003256
2	1	0.0009769
3	1	0.0022794
4	1	0.0048844
5	1	0.0100944
6	1	0.0205145
7	1	0.0413546
8	1	0.0830348
9	1	0.1663953
10	1	0.3331162
11	1	0.6665581
12	1	1.3334419
13	1	1.6668838
14	1	1.8336047
15	1	1.9169652
16	1	1.9586454
17	1	1.9794855
18	1	1.9899056
19	1	1.9951156
20	1	1.9977206
21	1	1.9990231
22	1	1.9996744
23	1	2.0000000

Backing to void

42 DOOR DOUBLE (Opposite direction)

Material List

- 1 Madera pino amarillo
- 2 Hormigón

Layer 1

Thickness (m): 0.02000
Density (kg/m3): 500.00
Madera pino amarillo, Mass fraction: 1.00

Layer 2

Thickness (m): 0.10000
Density (kg/m3): 500.00
Hormigón, Mass fraction: 1.00

Total surface density 60.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004348

2	1	0.0013043
3	1	0.0030435
4	1	0.0065217
5	1	0.0134783
6	1	0.0169565
7	1	0.0186957
8	1	0.0195652
9	1	0.0200000
10	2	0.0203937
11	2	0.0211811
12	2	0.0227559
13	2	0.0259055
14	2	0.0322047
15	2	0.0448031
16	2	0.0700000
17	2	0.0951969
18	2	0.1077953
19	2	0.1140945
20	2	0.1172441
21	2	0.1188189
22	2	0.1196063
23	2	0.1200000

Backing to void

43 DOOR SIMPLE (Opposite direction)

Material List

- 1 Madera pino amarillo
- 2 Hormigón

Layer 1

Thickness (m): 0.02000
 Density (kg/m3): 500.00
 Madera pino amarillo, Mass fraction: 1.00

Layer 2

Thickness (m): 0.10000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 1.00

Total surface density 60.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004348
2	1	0.0013043
3	1	0.0030435
4	1	0.0065217
5	1	0.0134783
6	1	0.0169565
7	1	0.0186957
8	1	0.0195652
9	1	0.0200000
10	2	0.0203937
11	2	0.0211811
12	2	0.0227559
13	2	0.0259055
14	2	0.0322047
15	2	0.0448031
16	2	0.0700000
17	2	0.0951969
18	2	0.1077953
19	2	0.1140945
20	2	0.1172441
21	2	0.1188189
22	2	0.1196063
23	2	0.1200000

Backing to void

44 DOOR SIMPLE (Transversalmente 0.80 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 0.80000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17

Total surface density 400.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003910
2	1	0.0011730

3	1	0.0027370
4	1	0.0058651
5	1	0.0121212
6	1	0.0246334
7	1	0.0496579
8	1	0.0997067
9	1	0.1998045
10	1	0.4000000
11	1	0.6001955
12	1	0.7002933
13	1	0.7503421
14	1	0.7753666
15	1	0.7878788
16	1	0.7941349
17	1	0.7972630
18	1	0.7988270
19	1	0.7996090
20	1	0.8000000

Backing to void

45 DOOR SIMPLE (Transversalmente 2.20 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 2.20000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17

Total surface density 1100.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003582
2	1	0.0010746
3	1	0.0025073
4	1	0.0053728
5	1	0.0111039
6	1	0.0225659
7	1	0.0454901
8	1	0.0913383
9	1	0.1830348
10	1	0.3664279
11	1	0.7332139
12	1	1.4667861
13	1	1.8335721
14	1	2.0169652
15	1	2.1086617
16	1	2.1545099
17	1	2.1774341
18	1	2.1888961
19	1	2.1946272
20	1	2.1974927
21	1	2.1989254
22	1	2.1996418
23	1	2.2000000

Backing to void

46 DOOR SIMPLE (Normal direction)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 0.10000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 1.00

Layer 2

Thickness (m): 0.02000
 Density (kg/m3): 500.00
 Madera pino amarillo, Mass fraction: 1.00

Total surface density 60.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003937
2	1	0.0011811
3	1	0.0027559
4	1	0.0059055
5	1	0.0122047
6	1	0.0248031

7	1	0.0500000
8	1	0.0751969
9	1	0.0877953
10	1	0.0940945
11	1	0.0972441
12	1	0.0988189
13	1	0.0996063
14	1	0.1000000
15	2	0.1004348
16	2	0.1013043
17	2	0.1030435
18	2	0.1065217
19	2	0.1134783
20	2	0.1169565
21	2	0.1186957
22	2	0.1195652
23	2	0.1200000

Backing to void

47 SCREED-1 (Transversalmente 11.53 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 11.53400

Density (kg/m3): 500.00

Hormigón, Mass fraction: 0.83

Madera pino amarillo, Mass fraction: 0.17

Total surface density 5767.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003520
2	1	0.0010560
3	1	0.0024641
4	1	0.0052802
5	1	0.0109123
6	1	0.0221767
7	1	0.0447054
8	1	0.0897629
9	1	0.1798777
10	1	0.3601075
11	1	0.7205670
12	1	1.4414860
13	1	2.8833240
14	1	5.7670000
15	1	8.6506760
16	1	10.0925140
17	1	10.8134330
18	1	11.1738925
19	1	11.3541223
20	1	11.4442371
21	1	11.4892946
22	1	11.5118233
23	1	11.5230877
24	1	11.5287198
25	1	11.5315359
26	1	11.5329440
27	1	11.5336480
28	1	11.5340000

Backing to void

48 SCREED-1 (Transversalmente 16.80 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 16.80000

Density (kg/m3): 500.00

Hormigón, Mass fraction: 0.83

Madera pino amarillo, Mass fraction: 0.17

Total surface density 8400.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003418
2	1	0.0010254
3	1	0.0023927
4	1	0.0051272
5	1	0.0105961

6	1	0.0215341
7	1	0.0434100
8	1	0.0871617
9	1	0.1746653
10	1	0.3496724
11	1	0.6996867
12	1	1.3997152
13	1	2.7997721
14	1	5.5998861
15	1	11.2001139
16	1	14.0002279
17	1	15.4002848
18	1	16.1003133
19	1	16.4503276
20	1	16.6253347
21	1	16.7128383
22	1	16.7565900
23	1	16.7784659
24	1	16.7894039
25	1	16.7948728
26	1	16.7976073
27	1	16.7989746
28	1	16.7996582
29	1	16.8000000

Backing to void

49 ROOF-1 (Transversalmente 11.53 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 11.53400

Density (kg/m3): 500.00

Hormigón, Mass fraction: 0.83

Madera pino amarillo, Mass fraction: 0.17

Total surface density 5767.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003520
2	1	0.0010560
3	1	0.0024641
4	1	0.0052802
5	1	0.0109123
6	1	0.0221767
7	1	0.0447054
8	1	0.0897629
9	1	0.1798777
10	1	0.3601075
11	1	0.7205670
12	1	1.4414860
13	1	2.8833240
14	1	5.7670000
15	1	8.6506760
16	1	10.0925140
17	1	10.8134330
18	1	11.1738925
19	1	11.3541223
20	1	11.4442371
21	1	11.4892946
22	1	11.5118233
23	1	11.5230877
24	1	11.5287198
25	1	11.5315359
26	1	11.5329440
27	1	11.5336480
28	1	11.5340000

Backing to void

50 ROOF-1 (Transversalmente 16.80 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 16.80000

Density (kg/m3): 500.00

Hormigón, Mass fraction: 0.83

Madera pino amarillo, Mass fraction: 0.17

Total surface density 8400.000 kg/m2

Solid Phase Node	Layer	Coordinates(m)
0	1	0.0000000
1	1	0.0003418
2	1	0.0010254
3	1	0.0023927
4	1	0.0051272
5	1	0.0105961
6	1	0.0215341
7	1	0.0434100
8	1	0.0871617
9	1	0.1746653
10	1	0.3496724
11	1	0.6996867
12	1	1.3997152
13	1	2.7997721
14	1	5.5998861
15	1	11.2001139
16	1	14.0002279
17	1	15.4002848
18	1	16.1003133
19	1	16.4503276
20	1	16.6253347
21	1	16.7128383
22	1	16.7565900
23	1	16.7784659
24	1	16.7894039
25	1	16.7948728
26	1	16.7976073
27	1	16.7989746
28	1	16.7996582
29	1	16.8000000

Backing to void

51 WALL-1 (Transversalmente 5.04 m)

Material List

- 1 M03
- 2 I04
- 3 G01

Layer 1

Thickness (m): 5.04000
 Density (kg/m3): 59.70
 M03, Mass fraction: 0.65
 I04, Mass fraction: 0.29
 G01, Mass fraction: 0.06

Total surface density 300.875 kg/m2

Solid Phase Node	Layer	Coordinates(m)
0	1	0.0000000
1	1	0.0004102
2	1	0.0012307
3	1	0.0028716
4	1	0.0061533
5	1	0.0127169
6	1	0.0258441
7	1	0.0520983
8	1	0.1046069
9	1	0.2096240
10	1	0.4196581
11	1	0.8397265
12	1	1.6798633
13	1	3.3601367
14	1	4.2002735
15	1	4.6203419
16	1	4.8303760
17	1	4.9353931
18	1	4.9879017
19	1	5.0141559
20	1	5.0272831
21	1	5.0338467
22	1	5.0371284
23	1	5.0387693
24	1	5.0395898
25	1	5.0400000

Backing to void

52 WALL-1 (Transversalmente 3.01 m)

Material List

- 1 M03
- 2 I04

3 G01

Layer 1

Thickness (m): 3.00800

Density (kg/m3): 59.70

M03, Mass fraction: 0.65

I04, Mass fraction: 0.29

G01, Mass fraction: 0.06

Total surface density 179.570 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003673
2	1	0.0011018
3	1	0.0025709
4	1	0.0055092
5	1	0.0113856
6	1	0.0231385
7	1	0.0466442
8	1	0.0936557
9	1	0.1876786
10	1	0.3757245
11	1	0.7518164
12	1	1.5040000
13	1	2.2561836
14	1	2.6322755
15	1	2.8203214
16	1	2.9143443
17	1	2.9613558
18	1	2.9848615
19	1	2.9966144
20	1	3.0024908
21	1	3.0054291
22	1	3.0068982
23	1	3.0076327
24	1	3.0080000

Backing to void

53 WALL-1 (Transversalmente 11.76 m)

Material List

1 M03

2 I04

3 G01

Layer 1

Thickness (m): 11.76000

Density (kg/m3): 59.70

M03, Mass fraction: 0.65

I04, Mass fraction: 0.29

G01, Mass fraction: 0.06

Total surface density 702.042 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003589
2	1	0.0010767
3	1	0.0025124
4	1	0.0053836
5	1	0.0111262
6	1	0.0226112
7	1	0.0455814
8	1	0.0915217
9	1	0.1834023
10	1	0.3671635
11	1	0.7346860
12	1	1.4697308
13	1	2.9398205
14	1	5.8800000
15	1	8.8201795
16	1	10.2902692
17	1	11.0253140
18	1	11.3928365
19	1	11.5765977
20	1	11.6684783
21	1	11.7144186
22	1	11.7373888
23	1	11.7488738
24	1	11.7546164
25	1	11.7574876
26	1	11.7589233
27	1	11.7596411
28	1	11.7600000

Backing to void

54 WALL-1 (Transversalmente 6.64 m)

Material List

- 1 M03
- 2 I04
- 3 G01

Layer 1

Thickness (m): 6.63600
Density (kg/m3): 59.70
M03, Mass fraction: 0.65
I04, Mass fraction: 0.29
G01, Mass fraction: 0.06

Total surface density 396.152 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004051
2	1	0.0012152
3	1	0.0028356
4	1	0.0060762
5	1	0.0125574
6	1	0.0255200
7	1	0.0514450
8	1	0.1032951
9	1	0.2069952
10	1	0.4143956
11	1	0.8291962
12	1	1.6587975
13	1	3.3180000
14	1	4.9772025
15	1	5.8068038
16	1	6.2216044
17	1	6.4290048
18	1	6.5327049
19	1	6.5845550
20	1	6.6104800
21	1	6.6234426
22	1	6.6299238
23	1	6.6331644
24	1	6.6347848
25	1	6.6355949
26	1	6.6360000

Backing to void

55 WALL-1 (Transversalmente 1.58 m)

Material List

- 1 M03
- 2 I04
- 3 G01

Layer 1

Thickness (m): 1.58000
Density (kg/m3): 59.70
M03, Mass fraction: 0.65
I04, Mass fraction: 0.29
G01, Mass fraction: 0.06

Total surface density 94.322 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003859
2	1	0.0011578
3	1	0.0027015
4	1	0.0057890
5	1	0.0119638
6	1	0.0243136
7	1	0.0490132
8	1	0.0984123
9	1	0.1972106
10	1	0.3948070
11	1	0.7900000
12	1	1.1851930
13	1	1.3827894
14	1	1.4815877
15	1	1.5309868
16	1	1.5556864
17	1	1.5680362
18	1	1.5742110
19	1	1.5772985
20	1	1.5788422

21 1 1.5796141
22 1 1.5800000
Backing to void

56 WALL-1 (Transversalmente 1.03 m)

Material List

1 M03
2 I04
3 G01

Layer 1

Thickness (m): 1.03400
Density (kg/m3): 59.70
M03, Mass fraction: 0.65
I04, Mass fraction: 0.29
G01, Mass fraction: 0.06
Total surface density 61.727 kg/m2
Solid Phase Node, Layer, Coordinates(m):
0 1 0.0000000
1 1 0.0003368
2 1 0.0010104
3 1 0.0023577
4 1 0.0050521
5 1 0.0104410
6 1 0.0212189
7 1 0.0427746
8 1 0.0858860
9 1 0.1721088
10 1 0.3445544
11 1 0.6894456
12 1 0.8618912
13 1 0.9481140
14 1 0.9912254
15 1 1.0127811
16 1 1.0235590
17 1 1.0289479
18 1 1.0316423
19 1 1.0329896
20 1 1.0336632
21 1 1.0340000

Backing to void

57 WALL-1 (Transversalmente 3.32 m)

Material List

1 M03
2 I04
3 G01

Layer 1

Thickness (m): 3.31800
Density (kg/m3): 59.70
M03, Mass fraction: 0.65
I04, Mass fraction: 0.29
G01, Mass fraction: 0.06
Total surface density 198.076 kg/m2
Solid Phase Node, Layer, Coordinates(m):
0 1 0.0000000
1 1 0.0004051
2 1 0.0012154
3 1 0.0028359
4 1 0.0060769
5 1 0.0125590
6 1 0.0255231
7 1 0.0514513
8 1 0.1033077
9 1 0.2070205
10 1 0.4144462
11 1 0.8292974
12 1 1.6590000
13 1 2.4887026
14 1 2.9035538
15 1 3.1109795
16 1 3.2146923
17 1 3.2665487
18 1 3.2924769
19 1 3.3054410
20 1 3.3119231
21 1 3.3151641
22 1 3.3167846
23 1 3.3175949

24 1 3.3180000
Backing to void

58 WALL-1 (Transversalmente 7.27 m)

Material List

1 M03
2 I04
3 G01

Layer 1

Thickness (m): 7.26800
Density (kg/m3): 59.70
M03, Mass fraction: 0.65
I04, Mass fraction: 0.29
G01, Mass fraction: 0.06

Total surface density 433.881 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0002958
2	1	0.0008873
3	1	0.0020703
4	1	0.0044364
5	1	0.0091686
6	1	0.0186329
7	1	0.0375615
8	1	0.0754187
9	1	0.1511332
10	1	0.3025622
11	1	0.6054202
12	1	1.2111362
13	1	2.4225681
14	1	4.8454319
15	1	6.0568638
16	1	6.6625798
17	1	6.9654378
18	1	7.1168668
19	1	7.1925813
20	1	7.2304385
21	1	7.2493671
22	1	7.2588314
23	1	7.2635636
24	1	7.2659297
25	1	7.2671127
26	1	7.2677042
27	1	7.2680000

Backing to void

59 WALL-1 (Transversalmente 2.05 m)

Material List

1 M03
2 I04
3 G01

Layer 1

Thickness (m): 2.05400
Density (kg/m3): 59.70
M03, Mass fraction: 0.65
I04, Mass fraction: 0.29
G01, Mass fraction: 0.06

Total surface density 122.618 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003344
2	1	0.0010033
3	1	0.0023409
4	1	0.0050163
5	1	0.0103670
6	1	0.0210684
7	1	0.0424712
8	1	0.0852768
9	1	0.1708880
10	1	0.3421104
11	1	0.6845552
12	1	1.3694448
13	1	1.7118896
14	1	1.8831120
15	1	1.9687232
16	1	2.0115288
17	1	2.0329316
18	1	2.0436330

19	1	2.0489837
20	1	2.0516591
21	1	2.0529967
22	1	2.0536656
23	1	2.0540000

Backing to void

60 WALL-1 (Transversalmente 2.21 m)

Material List

1	M03
2	I04
3	G01

Layer 1

Thickness (m): 2.21200
 Density (kg/m3): 59.70
 M03, Mass fraction: 0.65
 I04, Mass fraction: 0.29
 G01, Mass fraction: 0.06

Total surface density 132.051 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003601
2	1	0.0010804
3	1	0.0025210
4	1	0.0054021
5	1	0.0111644
6	1	0.0226890
7	1	0.0457382
8	1	0.0918365
9	1	0.1840332
10	1	0.3684266
11	1	0.7372133
12	1	1.4747867
13	1	1.8435734
14	1	2.0279668
15	1	2.1201635
16	1	2.1662618
17	1	2.1893110
18	1	2.2008356
19	1	2.2065979
20	1	2.2094790
21	1	2.2109196
22	1	2.2116399
23	1	2.2120000

Backing to void

61 PARTITION-1 (Transversalmente 1.26 m)

Material List

1	Hormigón
2	Madera pino amarillo

Layer 1

Thickness (m): 1.26400
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17

Total surface density 632.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004117
2	1	0.0012352
3	1	0.0028821
4	1	0.0061759
5	1	0.0127635
6	1	0.0259388
7	1	0.0522893
8	1	0.1049902
9	1	0.2103922
10	1	0.4211961
11	1	0.8428039
12	1	1.0536078
13	1	1.1590098
14	1	1.2117107
15	1	1.2380612
16	1	1.2512365
17	1	1.2578241
18	1	1.2611179
19	1	1.2627648
20	1	1.2635883

21 1 1.2640000
Backing to void

62 PARTITION-1 (Transversalmente 2.73 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 2.72600

Density (kg/m3): 500.00

Hormigón, Mass fraction: 0.83

Madera pino amarillo, Mass fraction: 0.17

Total surface density 1363.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004438
2	1	0.0013315
3	1	0.0031068
4	1	0.0066574
5	1	0.0137587
6	1	0.0279613
7	1	0.0563663
8	1	0.1131765
9	1	0.2267968
10	1	0.4540374
11	1	0.9085187
12	1	1.8174813
13	1	2.2719626
14	1	2.4992032
15	1	2.6128235
16	1	2.6696337
17	1	2.6980387
18	1	2.7122413
19	1	2.7193426
20	1	2.7228932
21	1	2.7246685
22	1	2.7255562
23	1	2.7260000

Backing to void

63 PARTITION-1 (Transversalmente 0.84 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 0.84000

Density (kg/m3): 500.00

Hormigón, Mass fraction: 0.83

Madera pino amarillo, Mass fraction: 0.17

Total surface density 420.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004106
2	1	0.0012317
3	1	0.0028739
4	1	0.0061584
5	1	0.0127273
6	1	0.0258651
7	1	0.0521408
8	1	0.1046921
9	1	0.2097947
10	1	0.4200000
11	1	0.6302053
12	1	0.7353079
13	1	0.7878592
14	1	0.8141349
15	1	0.8272727
16	1	0.8338416
17	1	0.8371261
18	1	0.8387683
19	1	0.8395894
20	1	0.8400000

Backing to void

64 PARTITION-1 (Transversalmente 0.66 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1
 Thickness (m): 0.65800
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17
 Total surface density 329.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004289
2	1	0.0012868
3	1	0.0030026
4	1	0.0064342
5	1	0.0132973
6	1	0.0270235
7	1	0.0544759
8	1	0.1093807
9	1	0.2191904
10	1	0.4388096
11	1	0.5486193
12	1	0.6035241
13	1	0.6309765
14	1	0.6447027
15	1	0.6515658
16	1	0.6549974
17	1	0.6567132
18	1	0.6575711
19	1	0.6580000

Backing to void

65 PARTITION-1 (Transversalmente 0.21 m)

Material List
 1 Hormigón
 2 Madera pino amarillo
 Layer 1
 Thickness (m): 0.21000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17
 Total surface density 105.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004118
2	1	0.0012353
3	1	0.0028824
4	1	0.0061765
5	1	0.0127647
6	1	0.0259412
7	1	0.0522941
8	1	0.1050000
9	1	0.1577059
10	1	0.1840588
11	1	0.1972353
12	1	0.2038235
13	1	0.2071176
14	1	0.2087647
15	1	0.2095882
16	1	0.2100000

Backing to void

66 PARTITION-1 (Transversalmente 0.95 m)

Material List
 1 Hormigón
 2 Madera pino amarillo
 Layer 1
 Thickness (m): 0.94800
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17
 Total surface density 474.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003088
2	1	0.0009264
3	1	0.0021616
4	1	0.0046319
5	1	0.0095726
6	1	0.0194541
7	1	0.0392169

8	1	0.0787427
9	1	0.1577941
10	1	0.3158971
11	1	0.6321029
12	1	0.7902059
13	1	0.8692573
14	1	0.9087831
15	1	0.9285459
16	1	0.9384274
17	1	0.9433681
18	1	0.9458384
19	1	0.9470736
20	1	0.9476912
21	1	0.9480000

Backing to void

67 PARTITION-1 (Transversalmente 0.79 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 0.79000

Density (kg/m3): 500.00

Hormigón, Mass fraction: 0.83

Madera pino amarillo, Mass fraction: 0.17

Total surface density 395.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003861
2	1	0.0011584
3	1	0.0027028
4	1	0.0057918
5	1	0.0119697
6	1	0.0243255
7	1	0.0490371
8	1	0.0984604
9	1	0.1973069
10	1	0.3950000
11	1	0.5926931
12	1	0.6915396
13	1	0.7409629
14	1	0.7656745
15	1	0.7780303
16	1	0.7842082
17	1	0.7872972
18	1	0.7888416
19	1	0.7896139
20	1	0.7900000

Backing to void

68 PARTITION-1 (Transversalmente 1.42 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 1.42200

Density (kg/m3): 500.00

Hormigón, Mass fraction: 0.83

Madera pino amarillo, Mass fraction: 0.17

Total surface density 711.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003473
2	1	0.0010420
3	1	0.0024314
4	1	0.0052101
5	1	0.0107675
6	1	0.0218823
7	1	0.0441119
8	1	0.0885711
9	1	0.1774895
10	1	0.3553263
11	1	0.7110000
12	1	1.0666737
13	1	1.2445105
14	1	1.3334289
15	1	1.3778881
16	1	1.4001177

17	1	1.4112325
18	1	1.4167899
19	1	1.4195686
20	1	1.4209580
21	1	1.4216527
22	1	1.4220000

Backing to void

69 PARTITION-1 (Transversalmente 3.95 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 3.95000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17

Total surface density 1975.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003215
2	1	0.0009645
3	1	0.0022505
4	1	0.0048226
5	1	0.0099666
6	1	0.0202548
7	1	0.0408310
8	1	0.0819836
9	1	0.1642886
10	1	0.3288987
11	1	0.6581190
12	1	1.3165595
13	1	2.6334405
14	1	3.2918810
15	1	3.6211013
16	1	3.7857114
17	1	3.8680164
18	1	3.9091690
19	1	3.9297452
20	1	3.9400334
21	1	3.9451774
22	1	3.9477495
23	1	3.9490355
24	1	3.9496785
25	1	3.9500000

Backing to void

70 PARTITION-1 (Transversalmente 0.63 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 0.63200
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17

Total surface density 316.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004120
2	1	0.0012360
3	1	0.0028840
4	1	0.0061799
5	1	0.0127718
6	1	0.0259557
7	1	0.0523233
8	1	0.1050587
9	1	0.2105293
10	1	0.4214707
11	1	0.5269413
12	1	0.5796767
13	1	0.6060443
14	1	0.6192282
15	1	0.6258201
16	1	0.6291160
17	1	0.6307640
18	1	0.6315880
19	1	0.6320000

Backing to void

71 PARTITION-1 (Transversalmente 2.52 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 2.52000

Density (kg/m3): 500.00

Hormigón, Mass fraction: 0.83

Madera pino amarillo, Mass fraction: 0.17

Total surface density 1260.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004103
2	1	0.0012309
3	1	0.0028720
4	1	0.0061543
5	1	0.0127190
6	1	0.0258483
7	1	0.0521068
8	1	0.1046239
9	1	0.2096581
10	1	0.4197265
11	1	0.8398632
12	1	1.6801368
13	1	2.1002735
14	1	2.3103419
15	1	2.4153761
16	1	2.4678932
17	1	2.4941517
18	1	2.5072810
19	1	2.5138457
20	1	2.5171280
21	1	2.5187691
22	1	2.5195897
23	1	2.5200000

Backing to void

72 PARTITION-1 (Transversalmente 5.04 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 5.04000

Density (kg/m3): 500.00

Hormigón, Mass fraction: 0.83

Madera pino amarillo, Mass fraction: 0.17

Total surface density 2520.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004102
2	1	0.0012307
3	1	0.0028716
4	1	0.0061533
5	1	0.0127169
6	1	0.0258441
7	1	0.0520983
8	1	0.1046069
9	1	0.2096240
10	1	0.4196581
11	1	0.8397265
12	1	1.6798633
13	1	3.3601367
14	1	4.2002735
15	1	4.6203419
16	1	4.8303760
17	1	4.9353931
18	1	4.9879017
19	1	5.0141559
20	1	5.0272831
21	1	5.0338467
22	1	5.0371284
23	1	5.0387693
24	1	5.0395898
25	1	5.0400000

Backing to void

73 WINDOW DOUBLE (Transversalmente 1.89 m)
 Material List
 1 Hormigón
 2 Madera pino amarillo
 Layer 1
 Thickness (m): 1.89000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17
 Total surface density 945.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003077
2	1	0.0009232
3	1	0.0021540
4	1	0.0046158
5	1	0.0095392
6	1	0.0193862
7	1	0.0390801
8	1	0.0784679
9	1	0.1572436
10	1	0.3147949
11	1	0.6298974
12	1	1.2601026
13	1	1.5752051
14	1	1.7327564
15	1	1.8115321
16	1	1.8509199
17	1	1.8706138
18	1	1.8804608
19	1	1.8853842
20	1	1.8878460
21	1	1.8890768
22	1	1.8896923
23	1	1.8900000

Backing to void

74 WINDOW DOUBLE (Transversalmente 0.94 m)
 Material List
 1 Hormigón
 2 Madera pino amarillo
 Layer 1
 Thickness (m): 0.94000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17
 Total surface density 470.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003062
2	1	0.0009186
3	1	0.0021433
4	1	0.0045928
5	1	0.0094919
6	1	0.0192899
7	1	0.0388860
8	1	0.0780782
9	1	0.1564625
10	1	0.3132313
11	1	0.6267687
12	1	0.7835375
13	1	0.8619218
14	1	0.9011140
15	1	0.9207101
16	1	0.9305081
17	1	0.9354072
18	1	0.9378567
19	1	0.9390814
20	1	0.9396938
21	1	0.9400000

Backing to void

75 WINDOW DOUBLE (Transversalmente 1.68 m)
 Material List
 1 Hormigón
 2 Madera pino amarillo
 Layer 1
 Thickness (m): 1.68000

Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17
 Total surface density 840.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004104
2	1	0.0012311
3	1	0.0028725
4	1	0.0061553
5	1	0.0127211
6	1	0.0258525
7	1	0.0521153
8	1	0.1046409
9	1	0.2096922
10	1	0.4197948
11	1	0.8400000
12	1	1.2602052
13	1	1.4703078
14	1	1.5753591
15	1	1.6278847
16	1	1.6541475
17	1	1.6672789
18	1	1.6738447
19	1	1.6771275
20	1	1.6787689
21	1	1.6795896
22	1	1.6800000

Backing to void

76 WINDOW SIMPLE (Transversalmente 1.05 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 1.05000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17
 Total surface density 525.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003420
2	1	0.0010261
3	1	0.0023941
4	1	0.0051303
5	1	0.0106026
6	1	0.0215472
7	1	0.0434365
8	1	0.0872150
9	1	0.1747720
10	1	0.3498860
11	1	0.7001140
12	1	0.8752280
13	1	0.9627850
14	1	1.0065635
15	1	1.0284528
16	1	1.0393974
17	1	1.0448697
18	1	1.0476059
19	1	1.0489739
20	1	1.0496580
21	1	1.0500000

Backing to void

77 WINDOW SIMPLE (Transversalmente 0.94 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 0.94000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17
 Total surface density 470.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003062

2	1	0.0009186
3	1	0.0021433
4	1	0.0045928
5	1	0.0094919
6	1	0.0192899
7	1	0.0388860
8	1	0.0780782
9	1	0.1564625
10	1	0.3132313
11	1	0.6267687
12	1	0.7835375
13	1	0.8619218
14	1	0.9011140
15	1	0.9207101
16	1	0.9305081
17	1	0.9354072
18	1	0.9378567
19	1	0.9390814
20	1	0.9396938
21	1	0.9400000

Backing to void

78 DOOR DOUBLE (Transversalmente 1.58 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 1.58000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17

Total surface density 790.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003859
2	1	0.0011578
3	1	0.0027015
4	1	0.0057890
5	1	0.0119638
6	1	0.0243136
7	1	0.0490132
8	1	0.0984123
9	1	0.1972106
10	1	0.3948070
11	1	0.7900000
12	1	1.1851930
13	1	1.3827894
14	1	1.4815877
15	1	1.5309868
16	1	1.5556864
17	1	1.5680362
18	1	1.5742110
19	1	1.5772985
20	1	1.5788422
21	1	1.5796141
22	1	1.5800000

Backing to void

79 DOOR DOUBLE (Transversalmente 1.97 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 1.97400
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17

Total surface density 987.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003214
2	1	0.0009642
3	1	0.0022498
4	1	0.0048209
5	1	0.0099632
6	1	0.0202478
7	1	0.0408170
8	1	0.0819554

9	1	0.1642322
10	1	0.3287857
11	1	0.6578929
12	1	1.3161071
13	1	1.6452143
14	1	1.8097678
15	1	1.8920446
16	1	1.9331830
17	1	1.9537522
18	1	1.9640368
19	1	1.9691791
20	1	1.9717502
21	1	1.9730358
22	1	1.9736786
23	1	1.9740000

Backing to void

80 WINDOW DOUBLE (Transversalmente 1.90 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 1.89600
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17

Total surface density 948.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003087
2	1	0.0009261
3	1	0.0021609
4	1	0.0046304
5	1	0.0095695
6	1	0.0194477
7	1	0.0392042
8	1	0.0787170
9	1	0.1577428
10	1	0.3157942
11	1	0.6318971
12	1	1.2641029
13	1	1.5802058
14	1	1.7382572
15	1	1.8172830
16	1	1.8567958
17	1	1.8765523
18	1	1.8864305
19	1	1.8913696
20	1	1.8938391
21	1	1.8950739
22	1	1.8956913
23	1	1.8960000

Backing to void

81 WINDOW DOUBLE (Transversalmente 1.74 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 1.73800
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17

Total surface density 869.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004245
2	1	0.0012736
3	1	0.0029717
4	1	0.0063679
5	1	0.0131602
6	1	0.0267450
7	1	0.0539145
8	1	0.1082535
9	1	0.2169316
10	1	0.4342877
11	1	0.8690000
12	1	1.3037123

13	1	1.5210684
14	1	1.6297465
15	1	1.6840855
16	1	1.7112550
17	1	1.7248398
18	1	1.7316321
19	1	1.7350283
20	1	1.7367264
21	1	1.7375755
22	1	1.7380000

Backing to void

82 DOOR SIMPLE (Transversalmente 0.84 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 0.84000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17

Total surface density 420.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004106
2	1	0.0012317
3	1	0.0028739
4	1	0.0061584
5	1	0.0127273
6	1	0.0258651
7	1	0.0521408
8	1	0.1046921
9	1	0.2097947
10	1	0.4200000
11	1	0.6302053
12	1	0.7353079
13	1	0.7878592
14	1	0.8141349
15	1	0.8272727
16	1	0.8338416
17	1	0.8371261
18	1	0.8387683
19	1	0.8395894
20	1	0.8400000

Backing to void

83 DOOR SIMPLE (Transversalmente 2.07 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 2.06800
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17

Total surface density 1034.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003367
2	1	0.0010101
3	1	0.0023569
4	1	0.0050505
5	1	0.0104376
6	1	0.0212120
7	1	0.0427607
8	1	0.0858580
9	1	0.1720528
10	1	0.3444422
11	1	0.6892211
12	1	1.3787789
13	1	1.7235578
14	1	1.8959472
15	1	1.9821420
16	1	2.0252393
17	1	2.0467880
18	1	2.0575624
19	1	2.0629495
20	1	2.0656431

21	1	2.0669899
22	1	2.0676633
23	1	2.0680000

Backing to void

84 DOOR SIMPLE (Transversalmente 0.79 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 0.79000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17

Total surface density 395.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003861
2	1	0.0011584
3	1	0.0027028
4	1	0.0057918
5	1	0.0119697
6	1	0.0243255
7	1	0.0490371
8	1	0.0984604
9	1	0.1973069
10	1	0.3950000
11	1	0.5926931
12	1	0.6915396
13	1	0.7409629
14	1	0.7656745
15	1	0.7780303
16	1	0.7842082
17	1	0.7872972
18	1	0.7888416
19	1	0.7896139
20	1	0.7900000

Backing to void

85 WINDOW DOUBLE

Material List

- 1 Glass

Layer 1

Thickness (m): 0.02000
 Density (kg/m3): 2700.00
 Glass, Mass fraction: 1.00

Total surface density 54.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004348
2	1	0.0013043
3	1	0.0030435
4	1	0.0065217
5	1	0.0134783
6	1	0.0169565
7	1	0.0186957
8	1	0.0195652
9	1	0.0200000

Backing to void

86 WINDOW SIMPLE

Material List

- 1 Glass

Layer 1

Thickness (m): 0.02000
 Density (kg/m3): 2700.00
 Glass, Mass fraction: 1.00

Total surface density 54.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004348
2	1	0.0013043
3	1	0.0030435
4	1	0.0065217
5	1	0.0134783
6	1	0.0169565
7	1	0.0186957
8	1	0.0195652

```

          9      1      0.0200000
Backing to void

87 VENT01OUT
Wall or Vent Temperature (C)      4.0
Volume Flow      (m^3/s)      2.33E-01
AIR Mass Fraction      1.000

88 VENT01IN
Volume Flow      (m^3/s)      -2.33E-01
AIR Mass Fraction      1.000

89 VENT02IN
Wall or Vent Temperature (C)      4.0
Volume Flow      (m^3/s)      -2.50E-01
AIR Mass Fraction      1.000

90 VENT02OUT
Volume Flow      (m^3/s)      2.50E-01
AIR Mass Fraction      1.000

91 SCREED-1 (Trasversalmente 11.53 m)
Material List
  1 Hormigón
  2 Madera pino amarillo
Layer 1
  Thickness (m): 11.53400
  Density (kg/m3): 500.00
  Hormigón, Mass fraction: 0.83
  Madera pino amarillo, Mass fraction: 0.17
Total surface density 5767.000 kg/m2
Solid Phase Node, Layer, Coordinates(m):
      0      1      0.0000000
      1      1      0.0003520
      2      1      0.0010560
      3      1      0.0024641
      4      1      0.0052802
      5      1      0.0109123
      6      1      0.0221767
      7      1      0.0447054
      8      1      0.0897629
      9      1      0.1798777
     10      1      0.3601075
     11      1      0.7205670
     12      1      1.4414860
     13      1      2.8833240
     14      1      5.7670000
     15      1      8.6506760
     16      1     10.0925140
     17      1     10.8134330
     18      1     11.1738925
     19      1     11.3541223
     20      1     11.4442371
     21      1     11.4892946
     22      1     11.5118233
     23      1     11.5230877
     24      1     11.5287198
     25      1     11.5315359
     26      1     11.5329440
     27      1     11.5336480
     28      1     11.5340000
Backing to void

92 SCREED-1 (Trasversalmente 16.80 m)
Material List
  1 Hormigón
  2 Madera pino amarillo
Layer 1
  Thickness (m): 16.80000
  Density (kg/m3): 500.00
  Hormigón, Mass fraction: 0.83
  Madera pino amarillo, Mass fraction: 0.17
Total surface density 8400.000 kg/m2
Solid Phase Node, Layer, Coordinates(m):
      0      1      0.0000000
      1      1      0.0003418
      2      1      0.0010254
      3      1      0.0023927

```

4	1	0.0051272
5	1	0.0105961
6	1	0.0215341
7	1	0.0434100
8	1	0.0871617
9	1	0.1746653
10	1	0.3496724
11	1	0.6996867
12	1	1.3997152
13	1	2.7997721
14	1	5.5998861
15	1	11.2001139
16	1	14.0002279
17	1	15.4002848
18	1	16.1003133
19	1	16.4503276
20	1	16.6253347
21	1	16.7128383
22	1	16.7565900
23	1	16.7784659
24	1	16.7894039
25	1	16.7948728
26	1	16.7976073
27	1	16.7989746
28	1	16.7996582
29	1	16.8000000

Backing to void

93 SCREED-1 (Senso opposto)

Material List

- 1 Madera pino amarillo
- 2 Hormigón

Layer 1

Thickness (m): 0.02000
 Density (kg/m3): 500.00
 Madera pino amarillo, Mass fraction: 1.00

Layer 2

Thickness (m): 0.10000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 1.00

Total surface density 60.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004348
2	1	0.0013043
3	1	0.0030435
4	1	0.0065217
5	1	0.0134783
6	1	0.0169565
7	1	0.0186957
8	1	0.0195652
9	1	0.0200000
10	2	0.0203937
11	2	0.0211811
12	2	0.0227559
13	2	0.0259055
14	2	0.0322047
15	2	0.0448031
16	2	0.0700000
17	2	0.0951969
18	2	0.1077953
19	2	0.1140945
20	2	0.1172441
21	2	0.1188189
22	2	0.1196063
23	2	0.1200000

Backing to void

94 SCREED-1 (Senso normale)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 0.10000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 1.00

Layer 2

Thickness (m): 0.02000

Density (kg/m3): 500.00
Madera pino amarillo, Mass fraction: 1.00
Total surface density 60.000 kg/m2
Solid Phase Node, Layer, Coordinates(m):

Node	Layer	Coordinates(m)
0	1	0.0000000
1	1	0.0003937
2	1	0.0011811
3	1	0.0027559
4	1	0.0059055
5	1	0.0122047
6	1	0.0248031
7	1	0.0500000
8	1	0.0751969
9	1	0.0877953
10	1	0.0940945
11	1	0.0972441
12	1	0.0988189
13	1	0.0996063
14	1	0.1000000
15	2	0.1004348
16	2	0.1013043
17	2	0.1030435
18	2	0.1065217
19	2	0.1134783
20	2	0.1169565
21	2	0.1186957
22	2	0.1195652
23	2	0.1200000

Backing to void

95 ROOF-1 (Trasversalmente 11.53 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 11.53400

Density (kg/m3): 500.00

Hormigón, Mass fraction: 0.83

Madera pino amarillo, Mass fraction: 0.17

Total surface density 5767.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

Node	Layer	Coordinates(m)
0	1	0.0000000
1	1	0.0003520
2	1	0.0010560
3	1	0.0024641
4	1	0.0052802
5	1	0.0109123
6	1	0.0221767
7	1	0.0447054
8	1	0.0897629
9	1	0.1798777
10	1	0.3601075
11	1	0.7205670
12	1	1.4414860
13	1	2.8833240
14	1	5.7670000
15	1	8.6506760
16	1	10.0925140
17	1	10.8134330
18	1	11.1738925
19	1	11.3541223
20	1	11.4442371
21	1	11.4892946
22	1	11.5118233
23	1	11.5230877
24	1	11.5287198
25	1	11.5315359
26	1	11.5329440
27	1	11.5336480
28	1	11.5340000

Backing to void

96 ROOF-1 (Trasversalmente 16.80 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 16.80000

Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17
 Total surface density 8400.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003418
2	1	0.0010254
3	1	0.0023927
4	1	0.0051272
5	1	0.0105961
6	1	0.0215341
7	1	0.0434100
8	1	0.0871617
9	1	0.1746653
10	1	0.3496724
11	1	0.6996867
12	1	1.3997152
13	1	2.7997721
14	1	5.5998861
15	1	11.2001139
16	1	14.0002279
17	1	15.4002848
18	1	16.1003133
19	1	16.4503276
20	1	16.6253347
21	1	16.7128383
22	1	16.7565900
23	1	16.7784659
24	1	16.7894039
25	1	16.7948728
26	1	16.7976073
27	1	16.7989746
28	1	16.7996582
29	1	16.8000000

Backing to void

97 ROOF-1 (Senso opposto)

Material List

- 1 Madera pino amarillo
- 2 Hormigón

Layer 1

Thickness (m): 0.02000
 Density (kg/m3): 500.00
 Madera pino amarillo, Mass fraction: 1.00

Layer 2

Thickness (m): 0.10000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 1.00

Total surface density 60.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004348
2	1	0.0013043
3	1	0.0030435
4	1	0.0065217
5	1	0.0134783
6	1	0.0169565
7	1	0.0186957
8	1	0.0195652
9	1	0.0200000
10	2	0.0203937
11	2	0.0211811
12	2	0.0227559
13	2	0.0259055
14	2	0.0322047
15	2	0.0448031
16	2	0.0700000
17	2	0.0951969
18	2	0.1077953
19	2	0.1140945
20	2	0.1172441
21	2	0.1188189
22	2	0.1196063
23	2	0.1200000

Backing to void

98 ROOF-1 (Senso normale)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 0.10000
Density (kg/m3): 500.00
Hormigón, Mass fraction: 1.00

Layer 2

Thickness (m): 0.02000
Density (kg/m3): 500.00
Madera pino amarillo, Mass fraction: 1.00

Total surface density 60.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003937
2	1	0.0011811
3	1	0.0027559
4	1	0.0059055
5	1	0.0122047
6	1	0.0248031
7	1	0.0500000
8	1	0.0751969
9	1	0.0877953
10	1	0.0940945
11	1	0.0972441
12	1	0.0988189
13	1	0.0996063
14	1	0.1000000
15	2	0.1004348
16	2	0.1013043
17	2	0.1030435
18	2	0.1065217
19	2	0.1134783
20	2	0.1169565
21	2	0.1186957
22	2	0.1195652
23	2	0.1200000

Backing to void

99 WALL-1 (Senso normale)

Material List

- 1 M03
- 2 I04
- 3 G01

Layer 1

Thickness (m): 0.20000
Density (kg/m3): 464.00
M03, Mass fraction: 1.00

Layer 2

Thickness (m): 0.09000
Density (kg/m3): 19.00
I04, Mass fraction: 1.00

Layer 3

Thickness (m): 0.02000
Density (kg/m3): 800.90
G01, Mass fraction: 1.00

Total surface density 110.528 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0010526
2	1	0.0031579
3	1	0.0073684
4	1	0.0157895
5	1	0.0326316
6	1	0.0663158
7	1	0.1336842
8	1	0.1673684
9	1	0.1842105
10	1	0.1926316
11	1	0.1968421
12	1	0.1989474
13	1	0.2000000
14	2	0.2014516
15	2	0.2043548
16	2	0.2101613
17	2	0.2217742
18	2	0.2450000
19	2	0.2682258

20	2	0.2798387
21	2	0.2856452
22	2	0.2885484
23	2	0.2900000
24	3	0.2903226
25	3	0.2909677
26	3	0.2922581
27	3	0.2948387
28	3	0.3000000
29	3	0.3051613
30	3	0.3077419
31	3	0.3090323
32	3	0.3096774
33	3	0.3100000

Backing to void

100 WALL-1 (Trasversalmente 5.04 m)

Material List

1 M03
2 I04
3 G01

Layer 1

Thickness (m): 5.04000

Density (kg/m3): 59.70

M03, Mass fraction: 0.65

I04, Mass fraction: 0.29

G01, Mass fraction: 0.06

Total surface density 300.875 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004102
2	1	0.0012307
3	1	0.0028716
4	1	0.0061533
5	1	0.0127169
6	1	0.0258441
7	1	0.0520983
8	1	0.1046069
9	1	0.2096240
10	1	0.4196581
11	1	0.8397265
12	1	1.6798633
13	1	3.3601367
14	1	4.2002735
15	1	4.6203419
16	1	4.8303760
17	1	4.9353931
18	1	4.9879017
19	1	5.0141559
20	1	5.0272831
21	1	5.0338467
22	1	5.0371284
23	1	5.0387693
24	1	5.0395898
25	1	5.0400000

Backing to void

101 WALL-1 (Trasversalmente 3.01 m)

Material List

1 M03
2 I04
3 G01

Layer 1

Thickness (m): 3.00800

Density (kg/m3): 59.70

M03, Mass fraction: 0.65

I04, Mass fraction: 0.29

G01, Mass fraction: 0.06

Total surface density 179.570 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003673
2	1	0.0011018
3	1	0.0025709
4	1	0.0055092
5	1	0.0113856
6	1	0.0231385
7	1	0.0466442

8	1	0.0936557
9	1	0.1876786
10	1	0.3757245
11	1	0.7518164
12	1	1.5040000
13	1	2.2561836
14	1	2.6322755
15	1	2.8203214
16	1	2.9143443
17	1	2.9613558
18	1	2.9848615
19	1	2.9966144
20	1	3.0024908
21	1	3.0054291
22	1	3.0068982
23	1	3.0076327
24	1	3.0080000

Backing to void

102 WALL-1 (Senso opposto)

Material List

1 G01
2 I04
3 M03

Layer 1

Thickness (m): 0.02000
Density (kg/m3): 800.90
G01, Mass fraction: 1.00

Layer 2

Thickness (m): 0.09000
Density (kg/m3): 19.00
I04, Mass fraction: 1.00

Layer 3

Thickness (m): 0.20000
Density (kg/m3): 464.00
M03, Mass fraction: 1.00

Total surface density 110.528 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003226
2	1	0.0009677
3	1	0.0022581
4	1	0.0048387
5	1	0.0100000
6	1	0.0151613
7	1	0.0177419
8	1	0.0190323
9	1	0.0196774
10	1	0.0200000
11	2	0.0214516
12	2	0.0243548
13	2	0.0301613
14	2	0.0417742
15	2	0.0650000
16	2	0.0882258
17	2	0.0998387
18	2	0.1056452
19	2	0.1085484
20	2	0.1100000
21	3	0.1110526
22	3	0.1131579
23	3	0.1173684
24	3	0.1257895
25	3	0.1426316
26	3	0.1763158
27	3	0.2436842
28	3	0.2773684
29	3	0.2942105
30	3	0.3026316
31	3	0.3068421
32	3	0.3089474
33	3	0.3100000

Backing to void

103 WALL-1 (Trasversalmente 11.76 m)

Material List

1 M03
2 I04

3 G01

Layer 1

Thickness (m): 11.76000

Density (kg/m3): 59.70

M03, Mass fraction: 0.65

I04, Mass fraction: 0.29

G01, Mass fraction: 0.06

Total surface density 702.042 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003589
2	1	0.0010767
3	1	0.0025124
4	1	0.0053836
5	1	0.0111262
6	1	0.0226112
7	1	0.0455814
8	1	0.0915217
9	1	0.1834023
10	1	0.3671635
11	1	0.7346860
12	1	1.4697308
13	1	2.9398205
14	1	5.8800000
15	1	8.8201795
16	1	10.2902692
17	1	11.0253140
18	1	11.3928365
19	1	11.5765977
20	1	11.6684783
21	1	11.7144186
22	1	11.7373888
23	1	11.7488738
24	1	11.7546164
25	1	11.7574876
26	1	11.7589233
27	1	11.7596411
28	1	11.7600000

Backing to void

104 WALL-1 (Trasversalmente 11.53 m)

Material List

1 M03

2 I04

3 G01

Layer 1

Thickness (m): 11.53400

Density (kg/m3): 59.70

M03, Mass fraction: 0.65

I04, Mass fraction: 0.29

G01, Mass fraction: 0.06

Total surface density 688.550 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003520
2	1	0.0010560
3	1	0.0024641
4	1	0.0052802
5	1	0.0109123
6	1	0.0221767
7	1	0.0447054
8	1	0.0897629
9	1	0.1798777
10	1	0.3601075
11	1	0.7205670
12	1	1.4414860
13	1	2.8833240
14	1	5.7670000
15	1	8.6506760
16	1	10.0925140
17	1	10.8134330
18	1	11.1738925
19	1	11.3541223
20	1	11.4442371
21	1	11.4892946
22	1	11.5118233
23	1	11.5230877
24	1	11.5287198

25	1	11.5315359
26	1	11.5329440
27	1	11.5336480
28	1	11.5340000

Backing to void

105 WALL-1 (Trasversalmente 7.27 m)

Material List

1	M03
2	I04
3	G01

Layer 1

Thickness (m): 7.26800

Density (kg/m3): 59.70

M03, Mass fraction: 0.65

I04, Mass fraction: 0.29

G01, Mass fraction: 0.06

Total surface density 433.881 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0002958
2	1	0.0008873
3	1	0.0020703
4	1	0.0044364
5	1	0.0091686
6	1	0.0186329
7	1	0.0375615
8	1	0.0754187
9	1	0.1511332
10	1	0.3025622
11	1	0.6054202
12	1	1.2111362
13	1	2.4225681
14	1	4.8454319
15	1	6.0568638
16	1	6.6625798
17	1	6.9654378
18	1	7.1168668
19	1	7.1925813
20	1	7.2304385
21	1	7.2493671
22	1	7.2588314
23	1	7.2635636
24	1	7.2659297
25	1	7.2671127
26	1	7.2677042
27	1	7.2680000

Backing to void

106 WALL-1 (Trasversalmente 2.05 m)

Material List

1	M03
2	I04
3	G01

Layer 1

Thickness (m): 2.05400

Density (kg/m3): 59.70

M03, Mass fraction: 0.65

I04, Mass fraction: 0.29

G01, Mass fraction: 0.06

Total surface density 122.618 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003344
2	1	0.0010033
3	1	0.0023409
4	1	0.0050163
5	1	0.0103670
6	1	0.0210684
7	1	0.0424712
8	1	0.0852768
9	1	0.1708880
10	1	0.3421104
11	1	0.6845552
12	1	1.3694448
13	1	1.7118896
14	1	1.8831120
15	1	1.9687232

16	1	2.0115288
17	1	2.0329316
18	1	2.0436330
19	1	2.0489837
20	1	2.0516591
21	1	2.0529967
22	1	2.0536656
23	1	2.0540000

Backing to void

107 WALL-1 (Trasversalmente 2.21 m)

Material List

1 M03
2 I04
3 G01

Layer 1

Thickness (m): 2.21200
Density (kg/m3): 59.70
M03, Mass fraction: 0.65
I04, Mass fraction: 0.29
G01, Mass fraction: 0.06

Total surface density 132.051 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003601
2	1	0.0010804
3	1	0.0025210
4	1	0.0054021
5	1	0.0111644
6	1	0.0226890
7	1	0.0457382
8	1	0.0918365
9	1	0.1840332
10	1	0.3684266
11	1	0.7372133
12	1	1.4747867
13	1	1.8435734
14	1	2.0279668
15	1	2.1201635
16	1	2.1662618
17	1	2.1893110
18	1	2.2008356
19	1	2.2065979
20	1	2.2094790
21	1	2.2109196
22	1	2.2116399
23	1	2.2120000

Backing to void

108 PARTITION-1 (Trasversalmente 1.26 m)

Material List

1 Hormigón
2 Madera pino amarillo

Layer 1

Thickness (m): 1.26400
Density (kg/m3): 500.00
Hormigón, Mass fraction: 0.83
Madera pino amarillo, Mass fraction: 0.17

Total surface density 632.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004117
2	1	0.0012352
3	1	0.0028821
4	1	0.0061759
5	1	0.0127635
6	1	0.0259388
7	1	0.0522893
8	1	0.1049902
9	1	0.2103922
10	1	0.4211961
11	1	0.8428039
12	1	1.0536078
13	1	1.1590098
14	1	1.2117107
15	1	1.2380612
16	1	1.2512365
17	1	1.2578241

18	1	1.2611179
19	1	1.2627648
20	1	1.2635883
21	1	1.2640000

Backing to void

109 PARTITION-1 (Senso normale)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 0.10000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 1.00

Layer 2

Thickness (m): 0.02000
 Density (kg/m3): 500.00
 Madera pino amarillo, Mass fraction: 1.00

Total surface density 60.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003937
2	1	0.0011811
3	1	0.0027559
4	1	0.0059055
5	1	0.0122047
6	1	0.0248031
7	1	0.0500000
8	1	0.0751969
9	1	0.0877953
10	1	0.0940945
11	1	0.0972441
12	1	0.0988189
13	1	0.0996063
14	1	0.1000000
15	2	0.1004348
16	2	0.1013043
17	2	0.1030435
18	2	0.1065217
19	2	0.1134783
20	2	0.1169565
21	2	0.1186957
22	2	0.1195652
23	2	0.1200000

Backing to void

110 PARTITION-1 (Trasversalmente 2.73 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 2.72600
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17

Total surface density 1363.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004438
2	1	0.0013315
3	1	0.0031068
4	1	0.0066574
5	1	0.0137587
6	1	0.0279613
7	1	0.0563663
8	1	0.1131765
9	1	0.2267968
10	1	0.4540374
11	1	0.9085187
12	1	1.8174813
13	1	2.2719626
14	1	2.4992032
15	1	2.6128235
16	1	2.6696337
17	1	2.6980387
18	1	2.7122413
19	1	2.7193426
20	1	2.7228932

21	1	2.7246685
22	1	2.7255562
23	1	2.7260000

Backing to void

111 PARTITION-1 (Senso oposto)

Material List

- 1 Madera pino amarillo
- 2 Hormigón

Layer 1

Thickness (m): 0.02000
 Density (kg/m3): 500.00
 Madera pino amarillo, Mass fraction: 1.00

Layer 2

Thickness (m): 0.10000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 1.00

Total surface density 60.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004348
2	1	0.0013043
3	1	0.0030435
4	1	0.0065217
5	1	0.0134783
6	1	0.0169565
7	1	0.0186957
8	1	0.0195652
9	1	0.0200000
10	2	0.0203937
11	2	0.0211811
12	2	0.0227559
13	2	0.0259055
14	2	0.0322047
15	2	0.0448031
16	2	0.0700000
17	2	0.0951969
18	2	0.1077953
19	2	0.1140945
20	2	0.1172441
21	2	0.1188189
22	2	0.1196063
23	2	0.1200000

Backing to void

112 PARTITION-1 (Trasversalmente 1.05 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 1.05000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17

Total surface density 525.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003420
2	1	0.0010261
3	1	0.0023941
4	1	0.0051303
5	1	0.0106026
6	1	0.0215472
7	1	0.0434365
8	1	0.0872150
9	1	0.1747720
10	1	0.3498860
11	1	0.7001140
12	1	0.8752280
13	1	0.9627850
14	1	1.0065635
15	1	1.0284528
16	1	1.0393974
17	1	1.0448697
18	1	1.0476059
19	1	1.0489739
20	1	1.0496580
21	1	1.0500000

Backing to void

113 PARTITION-1 (Trasversalmente 0.95 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 0.94800

Density (kg/m3): 500.00

Hormigón, Mass fraction: 0.83

Madera pino amarillo, Mass fraction: 0.17

Total surface density 474.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003088
2	1	0.0009264
3	1	0.0021616
4	1	0.0046319
5	1	0.0095726
6	1	0.0194541
7	1	0.0392169
8	1	0.0787427
9	1	0.1577941
10	1	0.3158971
11	1	0.6321029
12	1	0.7902059
13	1	0.8692573
14	1	0.9087831
15	1	0.9285459
16	1	0.9384274
17	1	0.9433681
18	1	0.9458384
19	1	0.9470736
20	1	0.9476912
21	1	0.9480000

Backing to void

114 PARTITION-1 (Trasversalmente 0.79 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 0.79000

Density (kg/m3): 500.00

Hormigón, Mass fraction: 0.83

Madera pino amarillo, Mass fraction: 0.17

Total surface density 395.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003861
2	1	0.0011584
3	1	0.0027028
4	1	0.0057918
5	1	0.0119697
6	1	0.0243255
7	1	0.0490371
8	1	0.0984604
9	1	0.1973069
10	1	0.3950000
11	1	0.5926931
12	1	0.6915396
13	1	0.7409629
14	1	0.7656745
15	1	0.7780303
16	1	0.7842082
17	1	0.7872972
18	1	0.7888416
19	1	0.7896139
20	1	0.7900000

Backing to void

115 PARTITION-1 (Trasversalmente 1.42 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 1.42200

Density (kg/m3): 500.00

Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17
 Total surface density 711.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003473
2	1	0.0010420
3	1	0.0024314
4	1	0.0052101
5	1	0.0107675
6	1	0.0218823
7	1	0.0441119
8	1	0.0885711
9	1	0.1774895
10	1	0.3553263
11	1	0.7110000
12	1	1.0666737
13	1	1.2445105
14	1	1.3334289
15	1	1.3778881
16	1	1.4001177
17	1	1.4112325
18	1	1.4167899
19	1	1.4195686
20	1	1.4209580
21	1	1.4216527
22	1	1.4220000

Backing to void

116 PARTITION-1 (Trasversalmente 7.11 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 7.11000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17
 Total surface density 3555.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004340
2	1	0.0013020
3	1	0.0030381
4	1	0.0065102
5	1	0.0134544
6	1	0.0273428
7	1	0.0551196
8	1	0.1106733
9	1	0.2217806
10	1	0.4439952
11	1	0.8884245
12	1	1.7772830
13	1	3.5550000
14	1	5.3327170
15	1	6.2215755
16	1	6.6660048
17	1	6.8882194
18	1	6.9993267
19	1	7.0548804
20	1	7.0826572
21	1	7.0965456
22	1	7.1034898
23	1	7.1069619
24	1	7.1086980
25	1	7.1095660
26	1	7.1100000

Backing to void

117 PARTITION-1 (Trasversalmente 2.52 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 2.52000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17

Total surface density 1260.000 kg/m2
Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004103
2	1	0.0012309
3	1	0.0028720
4	1	0.0061543
5	1	0.0127190
6	1	0.0258483
7	1	0.0521068
8	1	0.1046239
9	1	0.2096581
10	1	0.4197265
11	1	0.8398632
12	1	1.6801368
13	1	2.1002735
14	1	2.3103419
15	1	2.4153761
16	1	2.4678932
17	1	2.4941517
18	1	2.5072810
19	1	2.5138457
20	1	2.5171280
21	1	2.5187691
22	1	2.5195897
23	1	2.5200000

Backing to void

118 PARTITION-1 (Trasversalmente 5.04 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 5.04000

Density (kg/m3): 500.00

Hormigón, Mass fraction: 0.83

Madera pino amarillo, Mass fraction: 0.17

Total surface density 2520.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004102
2	1	0.0012307
3	1	0.0028716
4	1	0.0061533
5	1	0.0127169
6	1	0.0258441
7	1	0.0520983
8	1	0.1046069
9	1	0.2096240
10	1	0.4196581
11	1	0.8397265
12	1	1.6798633
13	1	3.3601367
14	1	4.2002735
15	1	4.6203419
16	1	4.8303760
17	1	4.9353931
18	1	4.9879017
19	1	5.0141559
20	1	5.0272831
21	1	5.0338467
22	1	5.0371284
23	1	5.0387693
24	1	5.0395898
25	1	5.0400000

Backing to void

119 WINDOW DOUBLE (Trasversalmente 1.89 m)

Material List

- 1 Glass

Layer 1

Thickness (m): 1.89000

Density (kg/m3): 2700.00

Glass, Mass fraction: 1.00

Total surface density 5103.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004617

2	1	0.0013850
3	1	0.0032316
4	1	0.0069248
5	1	0.0143112
6	1	0.0290840
7	1	0.0586297
8	1	0.1177211
9	1	0.2359038
10	1	0.4722692
11	1	0.9450000
12	1	1.4177308
13	1	1.6540962
14	1	1.7722789
15	1	1.8313703
16	1	1.8609160
17	1	1.8756888
18	1	1.8830752
19	1	1.8867684
20	1	1.8886150
21	1	1.8895383
22	1	1.8900000

Backing to void

120 WINDOW DOUBLE (Trasversalmente 0.94 m)

Material List

1 Glass

Layer 1

Thickness (m): 0.94000

Density (kg/m3): 2700.00

Glass, Mass fraction: 1.00

Total surface density 2538.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004594
2	1	0.0013783
3	1	0.0032160
4	1	0.0068915
5	1	0.0142424
6	1	0.0289443
7	1	0.0583480
8	1	0.1171554
9	1	0.2347703
10	1	0.4700000
11	1	0.7052297
12	1	0.8228446
13	1	0.8816520
14	1	0.9110557
15	1	0.9257576
16	1	0.9331085
17	1	0.9367840
18	1	0.9386217
19	1	0.9395406
20	1	0.9400000

Backing to void

121 WINDOW DOUBLE (Trasversalmente 1.68 m)

Material List

1 Glass

Layer 1

Thickness (m): 1.68000

Density (kg/m3): 2700.00

Glass, Mass fraction: 1.00

Total surface density 4536.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0005472
2	1	0.0016417
3	1	0.0038306
4	1	0.0082085
5	1	0.0169642
6	1	0.0344756
7	1	0.0694984
8	1	0.1395440
9	1	0.2796352
10	1	0.5598176
11	1	1.1201824
12	1	1.4003648
13	1	1.5404560

14	1	1.6105016
15	1	1.6455244
16	1	1.6630358
17	1	1.6717915
18	1	1.6761694
19	1	1.6783583
20	1	1.6794528
21	1	1.6800000

Backing to void

122 WINDOW SIMPLE (Trasversalmente 1.05 m)

Material List

1 Glass

Layer 1

Thickness (m): 1.05000

Density (kg/m3): 2700.00

Glass, Mass fraction: 1.00

Total surface density 2835.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0005132
2	1	0.0015396
3	1	0.0035924
4	1	0.0076979
5	1	0.0159091
6	1	0.0323314
7	1	0.0651760
8	1	0.1308651
9	1	0.2622434
10	1	0.5250000
11	1	0.7877566
12	1	0.9191349
13	1	0.9848240
14	1	1.0176686
15	1	1.0340909
16	1	1.0423021
17	1	1.0464076
18	1	1.0484604
19	1	1.0494868
20	1	1.0500000

Backing to void

123 WINDOW SIMPLE (Trasversalmente 0.94 m)

Material List

1 Glass

Layer 1

Thickness (m): 0.94000

Density (kg/m3): 2700.00

Glass, Mass fraction: 1.00

Total surface density 2538.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004594
2	1	0.0013783
3	1	0.0032160
4	1	0.0068915
5	1	0.0142424
6	1	0.0289443
7	1	0.0583480
8	1	0.1171554
9	1	0.2347703
10	1	0.4700000
11	1	0.7052297
12	1	0.8228446
13	1	0.8816520
14	1	0.9110557
15	1	0.9257576
16	1	0.9331085
17	1	0.9367840
18	1	0.9386217
19	1	0.9395406
20	1	0.9400000

Backing to void

124 DOOR DOUBLE (Trasversalmente 1.58 m)

Material List

1 Hormigón

2 Madera pino amarillo

Layer 1
 Thickness (m): 1.58000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17
 Total surface density 790.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003859
2	1	0.0011578
3	1	0.0027015
4	1	0.0057890
5	1	0.0119638
6	1	0.0243136
7	1	0.0490132
8	1	0.0984123
9	1	0.1972106
10	1	0.3948070
11	1	0.7900000
12	1	1.1851930
13	1	1.3827894
14	1	1.4815877
15	1	1.5309868
16	1	1.5556864
17	1	1.5680362
18	1	1.5742110
19	1	1.5772985
20	1	1.5788422
21	1	1.5796141
22	1	1.5800000

Backing to void

125 DOOR DOUBLE (Senso normale)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 0.10000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 1.00

Layer 2

Thickness (m): 0.02000
 Density (kg/m3): 500.00
 Madera pino amarillo, Mass fraction: 1.00

Total surface density 60.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003937
2	1	0.0011811
3	1	0.0027559
4	1	0.0059055
5	1	0.0122047
6	1	0.0248031
7	1	0.0500000
8	1	0.0751969
9	1	0.0877953
10	1	0.0940945
11	1	0.0972441
12	1	0.0988189
13	1	0.0996063
14	1	0.1000000
15	2	0.1004348
16	2	0.1013043
17	2	0.1030435
18	2	0.1065217
19	2	0.1134783
20	2	0.1169565
21	2	0.1186957
22	2	0.1195652
23	2	0.1200000

Backing to void

126 DOOR DOUBLE (Trasversalmente 1.97 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 1.97400

Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17
 Total surface density 987.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

Node	Layer	Coordinates(m)
0	1	0.0000000
1	1	0.0003214
2	1	0.0009642
3	1	0.0022498
4	1	0.0048209
5	1	0.0099632
6	1	0.0202478
7	1	0.0408170
8	1	0.0819554
9	1	0.1642322
10	1	0.3287857
11	1	0.6578929
12	1	1.3161071
13	1	1.6452143
14	1	1.8097678
15	1	1.8920446
16	1	1.9331830
17	1	1.9537522
18	1	1.9640368
19	1	1.9691791
20	1	1.9717502
21	1	1.9730358
22	1	1.9736786
23	1	1.9740000

Backing to void

127 DOOR DOUBLE (Senso opposto)

Material List

- 1 Madera pino amarillo
- 2 Hormigón

Layer 1

Thickness (m): 0.02000
 Density (kg/m3): 500.00
 Madera pino amarillo, Mass fraction: 1.00

Layer 2

Thickness (m): 0.10000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 1.00

Total surface density 60.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

Node	Layer	Coordinates(m)
0	1	0.0000000
1	1	0.0004348
2	1	0.0013043
3	1	0.0030435
4	1	0.0065217
5	1	0.0134783
6	1	0.0169565
7	1	0.0186957
8	1	0.0195652
9	1	0.0200000
10	2	0.0203937
11	2	0.0211811
12	2	0.0227559
13	2	0.0259055
14	2	0.0322047
15	2	0.0448031
16	2	0.0700000
17	2	0.0951969
18	2	0.1077953
19	2	0.1140945
20	2	0.1172441
21	2	0.1188189
22	2	0.1196063
23	2	0.1200000

Backing to void

128 WINDOW DOUBLE (Trasversalmente 1.90 m)

Material List

- 1 Glass

Layer 1

Thickness (m): 1.89600
 Density (kg/m3): 2700.00
 Glass, Mass fraction: 1.00

Total surface density 5119.200 kg/m2
Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004631
2	1	0.0013894
3	1	0.0032418
4	1	0.0069468
5	1	0.0143566
6	1	0.0291764
7	1	0.0588158
8	1	0.1180948
9	1	0.2366527
10	1	0.4737684
11	1	0.9480000
12	1	1.4222316
13	1	1.6593473
14	1	1.7779052
15	1	1.8371842
16	1	1.8668236
17	1	1.8816434
18	1	1.8890532
19	1	1.8927582
20	1	1.8946106
21	1	1.8955369
22	1	1.8960000

Backing to void

129 WINDOW DOUBLE (Trasversalmente 1.74 m)

Material List

1 Glass

Layer 1

Thickness (m): 1.73800

Density (kg/m3): 2700.00

Glass, Mass fraction: 1.00

Total surface density 4692.600 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0005661
2	1	0.0016984
3	1	0.0039629
4	1	0.0084919
5	1	0.0175498
6	1	0.0356658
7	1	0.0718977
8	1	0.1443616
9	1	0.2892893
10	1	0.5791446
11	1	1.1588554
12	1	1.4487107
13	1	1.5936384
14	1	1.6661023
15	1	1.7023342
16	1	1.7204502
17	1	1.7295081
18	1	1.7340371
19	1	1.7363016
20	1	1.7374339
21	1	1.7380000

Backing to void

130 DOOR SIMPLE (Senso opposto)

Material List

1 Madera pino amarillo

2 Hormigón

Layer 1

Thickness (m): 0.02000

Density (kg/m3): 500.00

Madera pino amarillo, Mass fraction: 1.00

Layer 2

Thickness (m): 0.10000

Density (kg/m3): 500.00

Hormigón, Mass fraction: 1.00

Total surface density 60.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004348
2	1	0.0013043
3	1	0.0030435

4	1	0.0065217
5	1	0.0134783
6	1	0.0169565
7	1	0.0186957
8	1	0.0195652
9	1	0.0200000
10	2	0.0203937
11	2	0.0211811
12	2	0.0227559
13	2	0.0259055
14	2	0.0322047
15	2	0.0448031
16	2	0.0700000
17	2	0.0951969
18	2	0.1077953
19	2	0.1140945
20	2	0.1172441
21	2	0.1188189
22	2	0.1196063
23	2	0.1200000

Backing to void

131 DOOR SIMPLE (Trasversalmente 0.84 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 0.84000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17

Total surface density 420.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0004106
2	1	0.0012317
3	1	0.0028739
4	1	0.0061584
5	1	0.0127273
6	1	0.0258651
7	1	0.0521408
8	1	0.1046921
9	1	0.2097947
10	1	0.4200000
11	1	0.6302053
12	1	0.7353079
13	1	0.7878592
14	1	0.8141349
15	1	0.8272727
16	1	0.8338416
17	1	0.8371261
18	1	0.8387683
19	1	0.8395894
20	1	0.8400000

Backing to void

132 DOOR SIMPLE (Trasversalmente 2.07 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 2.06800
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17

Total surface density 1034.000 kg/m2

Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003367
2	1	0.0010101
3	1	0.0023569
4	1	0.0050505
5	1	0.0104376
6	1	0.0212120
7	1	0.0427607
8	1	0.0858580
9	1	0.1720528
10	1	0.3444422

11	1	0.6892211
12	1	1.3787789
13	1	1.7235578
14	1	1.8959472
15	1	1.9821420
16	1	2.0252393
17	1	2.0467880
18	1	2.0575624
19	1	2.0629495
20	1	2.0656431
21	1	2.0669899
22	1	2.0676633
23	1	2.0680000

Backing to void

133 DOOR SIMPLE (Senso normale)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 0.10000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 1.00

Layer 2

Thickness (m): 0.02000
 Density (kg/m3): 500.00
 Madera pino amarillo, Mass fraction: 1.00

Total surface density 60.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003937
2	1	0.0011811
3	1	0.0027559
4	1	0.0059055
5	1	0.0122047
6	1	0.0248031
7	1	0.0500000
8	1	0.0751969
9	1	0.0877953
10	1	0.0940945
11	1	0.0972441
12	1	0.0988189
13	1	0.0996063
14	1	0.1000000
15	2	0.1004348
16	2	0.1013043
17	2	0.1030435
18	2	0.1065217
19	2	0.1134783
20	2	0.1169565
21	2	0.1186957
22	2	0.1195652
23	2	0.1200000

Backing to void

134 DOOR SIMPLE (Trasversalmente 0.79 m)

Material List

- 1 Hormigón
- 2 Madera pino amarillo

Layer 1

Thickness (m): 0.79000
 Density (kg/m3): 500.00
 Hormigón, Mass fraction: 0.83
 Madera pino amarillo, Mass fraction: 0.17

Total surface density 395.000 kg/m2
 Solid Phase Node, Layer, Coordinates(m):

0	1	0.0000000
1	1	0.0003861
2	1	0.0011584
3	1	0.0027028
4	1	0.0057918
5	1	0.0119697
6	1	0.0243255
7	1	0.0490371
8	1	0.0984604
9	1	0.1973069
10	1	0.3950000
11	1	0.5926931

12	1	0.6915396
13	1	0.7409629
14	1	0.7656745
15	1	0.7780303
16	1	0.7842082
17	1	0.7872972
18	1	0.7888416
19	1	0.7896139
20	1	0.7900000

Backing to void

135 OPEN
Passive Vent to Atmosphere

136 MIRROR
Symmetry Plane

137 INTERPOLATED

138 PERIODIC

139 HVAC

140 MASSLESS TRACER

141 DROPLET

142 VEGETATION

143 EVACUATION_OUTFLOW
Normal Velocity (m/s) 0.000

144 MASSLESS TARGET

Device Coordinates

1 Coords:	0.10	3.15	1.70, Make: null, ID: GP1 [1], Quantity: GAS
TEMPERATURE			
2 Coords:	0.26	3.15	1.70, Make: null, ID: GP1 [2], Quantity: GAS
TEMPERATURE			
3 Coords:	0.10	8.92	1.70, Make: null, ID: GP2 [1], Quantity: GAS
TEMPERATURE			
4 Coords:	0.26	8.92	1.70, Make: null, ID: GP2 [2], Quantity: GAS
TEMPERATURE			
5 Coords:	0.10	6.08	1.70, Make: null, ID: GP3 [1], Quantity: GAS
TEMPERATURE			
6 Coords:	0.26	6.08	1.70, Make: null, ID: GP3 [2], Quantity: GAS
TEMPERATURE			
7 Coords:	7.53	-0.11	1.00, Make: null, ID: GP4 [1], Quantity: GAS
TEMPERATURE			
8 Coords:	7.53	0.31	1.00, Make: null, ID: GP4 [2], Quantity: GAS
TEMPERATURE			
9 Coords:	2.32	-0.11	1.70, Make: null, ID: GP5 [1], Quantity: GAS
TEMPERATURE			
10 Coords:	2.32	0.31	1.70, Make: null, ID: GP5 [2], Quantity: GAS
TEMPERATURE			
11 Coords:	5.24	-0.11	1.70, Make: null, ID: GP6 [1], Quantity: GAS
TEMPERATURE			
12 Coords:	5.24	0.31	1.70, Make: null, ID: GP6 [2], Quantity: GAS
TEMPERATURE			
13 Coords:	11.48	3.15	1.70, Make: null, ID: GP7 [2], Quantity: GAS
TEMPERATURE			
14 Coords:	11.64	3.15	1.70, Make: null, ID: GP7 [1], Quantity: GAS
TEMPERATURE			
15 Coords:	11.48	8.92	1.70, Make: null, ID: GP8 [2], Quantity: GAS
TEMPERATURE			
16 Coords:	11.64	8.92	1.70, Make: null, ID: GP8 [1], Quantity: GAS
TEMPERATURE			
17 Coords:	11.48	6.08	1.70, Make: null, ID: GP9 [2], Quantity: GAS
TEMPERATURE			
18 Coords:	11.64	6.08	1.70, Make: null, ID: GP9 [1], Quantity: GAS
TEMPERATURE			
19 Coords:	1.37	12.28	1.04, Make: null, ID: GP10 [2], Quantity: GAS
TEMPERATURE			
20 Coords:	1.68	12.28	1.04, Make: null, ID: GP10 [1], Quantity: GAS
TEMPERATURE			
21 Coords:	2.95	12.28	1.04, Make: null, ID: GP11 [1], Quantity: GAS

TEMPERATURE
 22 Coords: 3.26 12.28 1.04, Make: null, ID: GP11 [2], Quantity: GAS
 TEMPERATURE
 23 Coords: 5.71 11.65 1.04, Make: null, ID: GP12 [1], Quantity: GAS
 TEMPERATURE
 24 Coords: 5.71 11.86 1.04, Make: null, ID: GP12 [2], Quantity: GAS
 TEMPERATURE
 25 Coords: 10.45 11.65 1.04, Make: null, ID: GP13 [1], Quantity: GAS
 TEMPERATURE
 26 Coords: 10.45 11.86 1.04, Make: null, ID: GP13 [2], Quantity: GAS
 TEMPERATURE

Slice File Information, Mesh 1

Sampling Interval (s) 0.000

1 Nodes: 0 100 0 100 43 43, Quantity: PRESSURE
 2 Nodes: 0 100 0 100 43 43, Quantity: TEMPERATURE
 3 Nodes: 0 100 0 100 43 43, Quantity: VELOCITY
 4 Nodes: 0 100 0 100 43 43, Quantity: U-VELOCITY
 5 Nodes: 0 100 0 100 43 43, Quantity: V-VELOCITY
 6 Nodes: 0 100 0 100 43 43, Quantity: W-VELOCITY
 7 Nodes: 0 100 0 100 18 18, Quantity: PRESSURE
 8 Nodes: 0 100 0 100 18 18, Quantity: TEMPERATURE
 9 Nodes: 0 100 0 100 18 18, Quantity: VELOCITY
 10 Nodes: 0 100 0 100 18 18, Quantity: U-VELOCITY
 11 Nodes: 0 100 0 100 18 18, Quantity: V-VELOCITY
 12 Nodes: 0 100 0 100 18 18, Quantity: W-VELOCITY
 13 Nodes: 0 100 37 37 0 100, Quantity: VELOCITY
 14 Nodes: 0 100 37 37 0 100, Quantity: U-VELOCITY
 15 Nodes: 0 100 37 37 0 100, Quantity: V-VELOCITY
 16 Nodes: 0 100 37 37 0 100, Quantity: W-VELOCITY
 17 Nodes: 0 100 37 37 0 100, Quantity: TEMPERATURE
 18 Nodes: 0 100 29 29 0 100, Quantity: VELOCITY
 19 Nodes: 0 100 29 29 0 100, Quantity: U-VELOCITY
 20 Nodes: 0 100 29 29 0 100, Quantity: V-VELOCITY
 21 Nodes: 0 100 29 29 0 100, Quantity: W-VELOCITY
 22 Nodes: 0 100 29 29 0 100, Quantity: TEMPERATURE
 23 Nodes: 0 100 0 100 31 31, Quantity: TEMPERATURE

Radiation Model Information

Number of control angles 104
 Time step increment 3
 Angle increment 5
 Theta band N_phi Solid angle
 1: 4 0.12
 2: 12 0.11
 3: 16 0.13
 4: 20 0.12
 5: 20 0.12
 6: 16 0.13
 7: 12 0.11
 8: 4 0.12
 Using gray gas absorption.
 Mean beam length 0.731 m

Run Time Diagnostics

Time Step 1 April 5, 2023 09:32:00
 Step Size: 0.753E-01 s, Total Time: 0.08 s
 Pressure Iterations: 1
 Maximum Velocity Error: 0.43E-01 on Mesh 1 at (17 52 19)

 Max CFL number: 0.18E+00 at (18, 51, 19)
 Max divergence: 0.16E-04 at (81, 15, 43)
 Min divergence: -0.76E-04 at (18, 51, 19)
 Max VN number: 0.12E-01 at (51, 2, 97)
 Radiation Loss to Boundaries: -0.001 kW

 Time Step 2 April 5, 2023 09:32:01
 Step Size: 0.753E-01 s, Total Time: 0.15 s
 Pressure Iterations: 1
 Maximum Velocity Error: 0.28E-01 on Mesh 1 at (77 16 45)

Max CFL number: 0.41E+00 at (18, 52, 19)
Max divergence: 0.37E-03 at (77, 45, 44)
Min divergence: -0.53E-03 at (18, 51, 19)
Max VN number: 0.38E-01 at (18, 51, 19)
Radiation Loss to Boundaries: -0.001 kW

DEVICE Activation Times

1	GP1 [1]	No Activation
2	GP1 [2]	No Activation
3	GP2 [1]	No Activation
4	GP2 [2]	No Activation
5	GP3 [1]	No Activation
6	GP3 [2]	No Activation
7	GP4 [1]	No Activation
8	GP4 [2]	No Activation
9	GP5 [1]	No Activation
10	GP5 [2]	No Activation
11	GP6 [1]	No Activation
12	GP6 [2]	No Activation
13	GP7 [2]	No Activation
14	GP7 [1]	No Activation
15	GP8 [2]	No Activation
16	GP8 [1]	No Activation
17	GP9 [2]	No Activation
18	GP9 [1]	No Activation
19	GP10 [2]	No Activation
20	GP10 [1]	No Activation
21	GP11 [1]	No Activation
22	GP11 [2]	No Activation
23	GP12 [1]	No Activation
24	GP12 [2]	No Activation
25	GP13 [1]	No Activation
26	GP13 [2]	No Activation

CONTROL Activation Times

1	GP1	T No Activation
2	GP2	T No Activation
3	GP3	T No Activation
4	GP4	T No Activation
5	GP5	T No Activation
6	GP6	T No Activation
7	GP7	T No Activation
8	GP8	T No Activation
9	GP9	T No Activation
10	GP10	T No Activation
11	GP11	T No Activation
12	GP12	T No Activation
13	GP13	T No Activation

Time Stepping Wall Clock Time (s): 7.691
Total Elapsed Wall Clock Time (s): 31.505

STOP: FDS completed successfully (CHID: project)