**PROYECTO**

**ARTIKO**

**ESTRUCTURA 2 (TORRE 1)**

**CÓDIGO**

**355-21**

**CALCULÓ**

**ANDRES MAURICIO BERNAL ZULUAGA**

**JUAN ANDRÉS OVIEDO AMEZQUITA**

**REVISÓ**

**ANDRES MAURICIO BERNAL ZULUAGA**

**JUAN ANDRÉS OVIEDO AMEZQUITA**

**MEDELLÍN**

**OCTUBRE**

**2021**

CONTENIDO

[1. Descripción del diseño estructural 3](#_Toc67385413)

[2. Configuración estructural típica 6](#_Toc67385414)

[3. Información general 10](#_Toc67385415)

[3.1. Aspectos generales de la estructura 11](#_Toc67385416)

[3.2. Chequeo de irregularidades 20](#_Toc67385417)

[3.3 Coeficiente de disipación de energía 29](#_Toc67385418)

[3.3. Parámetros sísmicos y ajuste de resultados 30](#_Toc67385419)

[3.4. Combinaciones de carga 32](#_Toc67385420)

[3.5. Derivas 33](#_Toc67385421)

[4. Diseño de columnas 37](#_Toc67385422)

[5. Diseño de losa y vigas 66](#_Toc67385423)

# 1. Descripción del diseño estructural

El proyecto ARTIKO se encuentra localizado en la trasnversal inferior, sector de san Lucas en el Municipio de Medellín

Consta de tres (3) torres de vivienda conectadas entre sí por plataformas de parqueaderos y zonas comunes, entre las plataformas de parqueaderos y zonas comunes se propone juntas de acuerdo al montaje estructural.

Estas memorias de calculo, hace referencia a la Estructura 2 (Torre 2).

La estructura 2, consiste en un edificio que se compone con tres (3) sotanos y 19 niveles más una cubierta en concreto. La altura de entrepiso típica es de 2.94 m, excepto el piso 1 que tienen altura de entrepiso de 3.09 m. Las losas aéreas del Sótano 3 al piso 3 son de parqueaderos, las losas 7 al 21 (piso 4 a piso 18) son de vivienda, y la losa 19 (cubierta) es la cubierta del edificio. El área aproximada de la estructura, es de 14769.63 m².

El sistema estructural que da resistencia a la carga vertical y sísmica es el de pórticos resistentes a momento con una disipación de energía sísmica moderada (DMO). Se empleó en el diseño, un Ro= 5.00, Фp=1.00, фA=1.00, фR=1.00 y un R=5.00. Se consideró un espectro de diseño para suelos tipo D con un Aa=0.15 y y un Av=0.20.

Las columnas se diseñaron con una resistencia a la compresión del concreto de 420 kgf/cm² desde sótano 3 hasta hasta piso 2, 350 kgf/cm² desde piso 3 hasta piso 9, y 280 kgf/cm² para el piso 10 hasta el piso 14 y de 210 kgf/cm² para el resto de los pisos superiores. Lo descrito anteriormente aplica para todas las columnas. Para las columnas se proponen secciones de sección variable en altura, esta sección es la que se indica a continuación:

| Columna | Sección |
| --- | --- |
| D-1 | L 110x80x40 Sótano 3 A Cubierta |
| D-2 | C 140x40 Sótano 3 A Piso 3, C 110X40 Piso 4 A Cubierta |
| D-3 | C 120x40 Sótano 3 A Piso 3, C 110X40 Piso 4 A Cubierta |
| D-4 | C 120x40 Sótano 3 A Piso 3, C 110X40 Piso 4 A Cubierta |
| D-5 | C 120x40 Sótano 3 A Piso 3, C 110X40 Piso 4 A Cubierta |
| D-6 | C 120x40 Sótano 3 A Piso 3, C 110X40 Piso 4 A Cubierta |
| D-7 | C 120x40 Sótano 3 A Piso 3, C 110X40 Piso 4 A Cubierta |
| D-8 | C 140x40 Sótano 3 A Piso 3, C 110X40 Piso 4 A Cubierta |
| D-9 | L 110x80x40 Sótano 3 A Cubierta |
| C-1 | C 120x40 Sótano 3 A Piso 3, C 100X40 Piso 4 A Cubierta |
| C-2 | C 140x50 Sótano 3 A Piso 3, C 100X50 Piso 4 A Piso 10, C 100X40 Piso 11 A Cubierta |
| C-3 | C 120x40 Sótano 3 A Piso 3, C 110X40 Piso 4 A Cubierta |
| C-4 | C 120x40 Sótano 3 A Piso 3, C 100X40 Piso 4 A Cubierta |
| C-5 | C 120x45 Sótano 3 A Piso 3, C 100X45 Piso 4 A Piso 10, C 100X40 Piso 11 A Cubierta |
| C-6 | C 120x40 Sótano 3 A Piso 3, C 100X40 Piso 4 A Cubierta |
| C-7 | C 120x40 Sótano 3 A Piso 3, C 110X40 Piso 4 A Cubierta |
| C-8 | C 140x50 Sótano 3 A Piso 3, C 100X50 Piso 4 A Piso 10, C 100X40 Piso 11 A Cubierta |
| C-9 | C 120x40 Sótano 3 A Piso 3, C 100X40 Piso 4 A Cubierta |
| B-1 | C 120x40 Sótano 3 A Piso 3, C 100X40 Piso 4 A Cubierta |
| B-2 | C 140x50 Sótano 3 A Piso 3, C 100X50 Piso 4 A Piso 10, C 100X40 Piso 11 A Cubierta |
| B-3 | C 120x40 Sótano 3 A Piso 3, C 110X40 Piso 4 A Cubierta |
| B-4 | C 120x45 Sótano 3 A Piso 3, C 100X40 Piso 4 A Cubierta |
| B-5 | C 140x50 Sótano 3 A Piso 3, C 100X50 Piso 4 A Piso 10, C 100X40 Piso 11 A Cubierta |
| B-6 | C 120x40 Sótano 3 A Piso 3, C 100X40 Piso 4 A Cubierta |
| B-7 | C 120x40 Sótano 3 A Piso 3, C 110X40 Piso 4 A Cubierta |
| B-8 | C 140x50 Sótano 3 A Piso 3, C 100X50 Piso 4 A Piso 10, C 100X40 Piso 11 A Cubierta |
| B-9 | C 120x40 Sótano 3 A Piso 3, C 110X40 Piso 4 A Cubierta |
| A-1 | L 110x80x40 Sótano 3 A Cubierta |
| A-2 | C 140x40 Sótano 3 A Piso 3, C 110X40 Piso 4 A Cubierta |
| A-3 | C 120x40 Sótano 3 A Piso 3, C 110X40 Piso 4 A Cubierta |
| A-4 | C 120x40 Sótano 3 A Piso 3, C 100X40 Piso 4 A Cubierta |
| A-5 | C 120x40 Sótano 3 A Piso 3, C 110X40 Piso 4 A Cubierta |
| A-6 | C 120x40 Sótano 3 A Piso 3, C 110X40 Piso 4 A Cubierta |
| A-7 | C 120x40 Sótano 3 A Piso 3, C 110X40 Piso 4 A Cubierta |
| A-8 | C 140x40 Sótano 3 A Piso 3, C 110X40 Piso 4 A Cubierta |
| A-9 | L 110x80x40 Sótano 3 A Cubierta |

Las vigas, se diseñaron para una resistencia a la compresión del concreto de 210 kgf/cm² dede sótano 3 hasta piso 1, de 245 kgf/cm² desde el piso 2 hasta el piso 7 y de 210 kgf/cm² nuevamente para el resto de las losas. La altura de estos elementos, es de 0.50 m en todos los pisos.

Todas las losas de entrepiso consisten una losa aligerada en dos direcciones con nervios de 0.10mx0.40m y una loseta superior de 0.05m para vivienda y de 0.07m para losa de cubierta. Se diseñaron para una resistencia a la compresión del concreto de 210 kgf/cm² para todas las losas.

El programa utilizado para el análisis fue ETABS.

Todos los datos presentados en este documento están dados en [tf, m], a menos que se indique otra unidad.

# 2. Configuración estructural típica

Imagen en blanco y negro

Descripción generada automáticamente con confianza baja

**Figura 1. Planta de localización de vigas de losa 1 a losa 3 (Sótano 1 al 3)**

Imagen en blanco y negro

Descripción generada automáticamente con confianza baja

**Figura 2. Planta de localización de vigas de losa 3 (Piso 1)**

Imagen en blanco y negro

Descripción generada automáticamente con confianza baja

**Figura 3. Planta de localización de vigas de losa 4 (Piso 2)**

Imagen en blanco y negro

Descripción generada automáticamente con confianza baja

**Figura 4. Planta de localización de vigas de losa 5 (Piso 3)**

Diagrama

Descripción generada automáticamente con confianza media

**Figura 5. Planta de localización de vigas de losa 6 (Piso 4)**

Imagen que contiene Dibujo de ingeniería

Descripción generada automáticamente

**Figura 6. Planta de localización de vigas de losa 7 (Piso 5)**

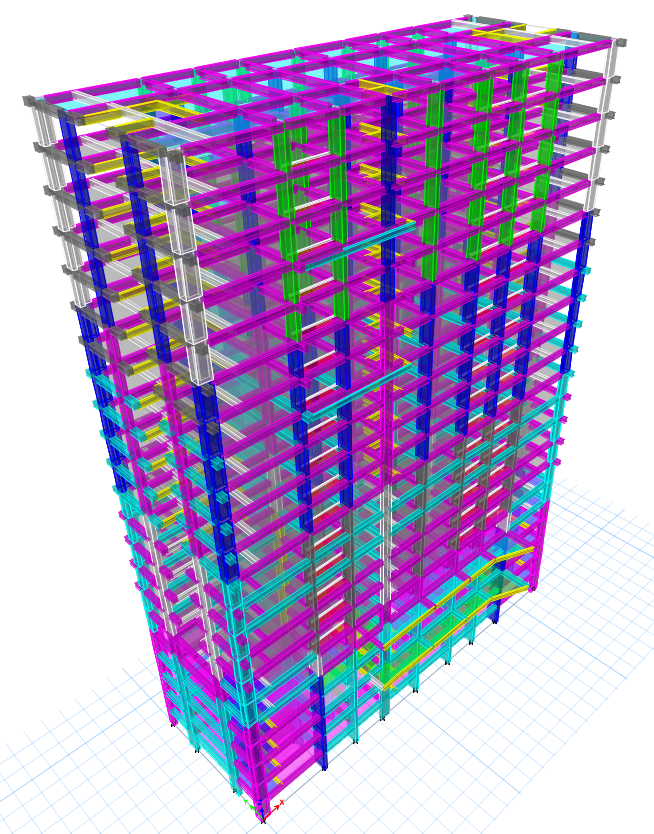
Imagen que contiene Diagrama

Descripción generada automáticamente

**Figura 6.1. Planta de localización de vigas de losa Tipo - Losa 8 (Piso 5 al 19)**

# 3. Información general

## 3.1. Aspectos generales de la estructura

 Imagen que contiene jaula, computadora

Descripción generada automáticamente

**Figura 6. Modelo estructural en ETABS**

Imagen que contiene Diagrama

Descripción generada automáticamente

**Figura 7. Planta losa 1 – 2 (Sótanos 2 y 3)**

Imagen que contiene Diagrama

Descripción generada automáticamente

**Figura 8. Planta losa 3 (Sótano 1)**

Imagen que contiene Diagrama

Descripción generada automáticamente

**Figura 9. Planta losa 4 (Piso 1)**

Imagen que contiene biombo, edificio, dibujo

Descripción generada automáticamente

**Figura 10. Planta losa 5 (Piso 2)**

Imagen que contiene Gráfico

Descripción generada automáticamente

**Figura 11. Planta losa 6 (Piso 3).**

Imagen que contiene Calendario

Descripción generada automáticamente

**Figura 12. Planta losa 7, 8 (Piso 4, Piso 5 - 19).**

A continuación, se presentan aquellos aspectos generales de la estructura como lo son las alturas de pisos, los casos de cargas estáticos y dinámicos empleados, los periodos de la estructura, el porcentaje de participación modal, los centros de masa y rigidez de cada uno de los diafragmas de la estructura.

**Especificaciòn de Materiales**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Type** | **E**  **tonf/m²** | **ν** | **Unit Weight**  **tonf/m³** | **Design Strengths** |
| H210 | Concrete | 2173706 | 0.2 | 2.4026 | Fc=2100 tonf/m² |
| H245 | Concrete | 2347871 | 0.2 | 2.4026 | Fc=2450 tonf/m² |
| H280 | Concrete | 2509980 | 0.2 | 2.4026 | Fc=2800 tonf/m² |
| H350 | Concrete | 2806243 | 0.2 | 2.4026 | Fc=3500 tonf/m² |
| H420 | Concrete | 3074085 | 0.2 | 2.4026 | Fc=4200 tonf/m² |
| H490 | Concrete | 3320391 | 0.2 | 2.4026 | Fc=4900 tonf/m² |
| HSM | Concrete | 2173706 | 0.2 | 0.0001 | Fc=2100 tonf/m² |

|  |  |  |
| --- | --- | --- |
| **Propiedades mecánicas del acero** | | |
| **Material** | **E (kgf/cm²)** | **G (kgf/cm²)** |
| A706M | 2040000 | 772000 |
| A615M | 2040000 | 772000 |

Story Data

| **Tower** | **Name** | **Height** | **Master Story** | **Similar To** | **Splice Story** |
| --- | --- | --- | --- | --- | --- |
| **m** |
| T1 | STORY22 | 2.94 | Yes | None | No |
| T1 | STORY21 | 2.94 | No | STORY2 | No |
| T1 | STORY20 | 2.94 | No | STORY2 | No |
| T1 | STORY19 | 2.94 | No | STORY2 | No |
| T1 | STORY18 | 2.94 | No | STORY2 | No |
| T1 | STORY17 | 2.94 | No | STORY2 | No |
| T1 | STORY16 | 2.94 | No | STORY2 | No |
| T1 | STORY15 | 2.94 | No | STORY2 | No |
| T1 | STORY14 | 2.94 | No | STORY2 | No |
| T1 | STORY13 | 2.94 | No | STORY2 | No |
| T1 | STORY12 | 2.94 | Yes | None | No |
| T1 | STORY11 | 2.94 | No | STORY2 | No |
| T1 | STORY10 | 2.94 | No | STORY2 | No |
| T1 | STORY9 | 2.94 | No | STORY2 | No |
| T1 | STORY8 | 2.94 | No | STORY2 | No |
| T1 | STORY7 | 2.94 | No | STORY2 | No |
| T1 | STORY6 | 2.94 | No | STORY2 | No |
| T1 | STORY5 | 2.94 | No | STORY2 | No |
| T1 | STORY4 | 3.09 | No | STORY2 | No |
| T1 | STORY3 | 2.94 | No | STORY2 | No |
| T1 | STORY2 | 2.94 | Yes | None | No |
| T1 | STORY1 | 2.94 | No | None | No |

**S T A T I C L O A D C A S E S**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Self Weight Multiplier | Auto Load |
| DEAD | Dead | 1 |  |
| LIVE | Live | 0 |  |
| EX1 | Seismic | 0 | User Coefficient |
| EX2 | Seismic | 0 | User Coefficient |
| EY1 | Seismic | 0 | User Coefficient |
| EY2 | Seismic | 0 | User Coefficient |

**R E S P O N S E S P E C T R U M C A S E S**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name** | **Load Name** | **Function** | **Trans Accel SF** | **Coordinate System** | **Angle** | **Modal Case** | **Modal Combo Method** | **Rigid Response?** | **Directional Combo Type** | **Eccentricity Ratio** |
| **m/sec2** | **deg** |
| SX | U1 | TIPOD | 9.806 | Global | 0 | Modal | CQC | No | SRSS | 0.05 |
| SXD | U1 | TIPOD | 9.806 | Global | 0 | Modal | CQC | No | SRSS | 0 |
| SY | U2 | TIPOD | 9.806 | Global | 0 | Modal | CQC | No | SRSS | 0.05 |
| SYD | U2 | TIPOD | 9.806 | Global | 0 | Modal | CQC | No | SRSS | 0 |

M A S S S O U R C E D A T A

MASS LATERAL LUMP MASS

FROM MASS ONLY AT STORIES

Loads Yes Yes

M A S S S O U R C E L O A D S

LOAD MULTIPLIER

DEAD 1.0000

**D I A P H R A G M M A S S D A T A**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Story | Diaphragm | Mass X | Mass Y | XCM | YCM | Cum Mass X | Cum Mass Y | XCCM | YCCM |
| tonf-s2/m | tonf-s2/m | m | m | tonf-s2/m | tonf-s2/m | m | m |
| STORY22 | D1 | 62.84387 | 62.84387 | 22.0602 | 7.7435 | 62.84387 | 62.84387 | 22.0602 | 7.7435 |
| STORY21 | D1 | 75.40049 | 75.40049 | 22.0316 | 7.7578 | 138.24436 | 138.24436 | 22.0446 | 7.7513 |
| STORY20 | D1 | 75.40049 | 75.40049 | 22.0316 | 7.7578 | 213.64485 | 213.64485 | 22.04 | 7.7536 |
| STORY19 | D1 | 76.09627 | 76.09627 | 21.9507 | 7.6813 | 289.74112 | 289.74112 | 22.0166 | 7.7346 |
| STORY18 | D1 | 75.49047 | 75.49047 | 22.0215 | 7.7485 | 365.2316 | 365.2316 | 22.0176 | 7.7375 |
| STORY17 | D1 | 75.48925 | 75.48925 | 22.0218 | 7.7485 | 440.72085 | 440.72085 | 22.0183 | 7.7394 |
| STORY16 | D1 | 75.47823 | 75.47823 | 22.0221 | 7.7498 | 516.19907 | 516.19907 | 22.0189 | 7.7409 |
| STORY15 | D1 | 77.19884 | 77.19884 | 21.9531 | 7.6843 | 593.39791 | 593.39791 | 22.0103 | 7.7335 |
| STORY14 | D1 | 76.49325 | 76.49325 | 22.0347 | 7.7607 | 669.89116 | 669.89116 | 22.0131 | 7.7366 |
| STORY13 | D1 | 76.65985 | 76.65985 | 22.0345 | 7.7607 | 746.55102 | 746.55102 | 22.0153 | 7.7391 |
| STORY12 | D1 | 76.8387 | 76.8387 | 22.0348 | 7.7608 | 823.38972 | 823.38972 | 22.0171 | 7.7411 |
| STORY11 | D1 | 76.8387 | 76.8387 | 22.0348 | 7.7608 | 900.22842 | 900.22842 | 22.0186 | 7.7428 |
| STORY10 | D1 | 77.84196 | 77.84196 | 22.0344 | 7.7601 | 978.07038 | 978.07038 | 22.0199 | 7.7442 |
| STORY9 | D1 | 77.84196 | 77.84196 | 22.0344 | 7.7601 | 1055.91234 | 1055.91234 | 22.0209 | 7.7453 |
| STORY8 | D1 | 78.32338 | 78.32338 | 22.035 | 7.7607 | 1134.23571 | 1134.23571 | 22.0219 | 7.7464 |
| STORY7 | D1 | 78.32338 | 78.32338 | 22.035 | 7.7607 | 1212.55909 | 1212.55909 | 22.0228 | 7.7473 |
| STORY6 | D1 | 82.5523 | 82.5523 | 21.204 | 7.8113 | 1295.11139 | 1295.11139 | 21.9706 | 7.7514 |
| STORY5 | D1 | 65.78234 | 65.78234 | 21.6232 | 7.0867 | 1360.89373 | 1360.89373 | 21.9538 | 7.7193 |
| STORY4 | D1 | 63.2417 | 63.2417 | 21.6393 | 7.4063 | 1424.13543 | 1424.13543 | 21.9398 | 7.7054 |
| STORY3 | D1 | 68.96895 | 68.96895 | 21.9498 | 6.9471 | 1493.10438 | 1493.10438 | 21.9403 | 7.6704 |
| STORY2 | D1 | 61.9507 | 61.9507 | 21.6061 | 7.5159 | 1555.05508 | 1555.05508 | 21.927 | 7.6642 |
| STORY1 | D1 | 61.77209 | 61.77209 | 21.857 | 7.5734 | 1616.82717 | 1616.82717 | 21.9243 | 7.6607 |

**M O D A L P E R I O D S A N D F R E Q U E N C I E S**

| **Case** | **Mode** | **Period** | **Frequency** | **CircFreq** | **Eigenvalue** |
| --- | --- | --- | --- | --- | --- |
| **sec** | **cyc/sec** | **rad/sec** | **rad2/sec2** |
| Modal | 1 | 2.764 | 0.362 | 2.2736 | 5.1692 |
| Modal | 2 | 2.753 | 0.363 | 2.2825 | 5.21 |
| Modal | 3 | 2.704 | 0.37 | 2.3239 | 5.4003 |
| Modal | 4 | 0.942 | 1.062 | 6.6735 | 44.535 |
| Modal | 5 | 0.884 | 1.132 | 7.1113 | 50.5705 |
| Modal | 6 | 0.871 | 1.148 | 7.2126 | 52.0221 |
| Modal | 7 | 0.537 | 1.863 | 11.7061 | 137.0336 |
| Modal | 8 | 0.473 | 2.113 | 13.2757 | 176.2439 |
| Modal | 9 | 0.458 | 2.183 | 13.7133 | 188.0552 |
| Modal | 10 | 0.366 | 2.734 | 17.1768 | 295.0433 |
| Modal | 11 | 0.308 | 3.245 | 20.3913 | 415.8066 |
| Modal | 12 | 0.296 | 3.375 | 21.2064 | 449.7104 |
| Modal | 13 | 0.272 | 3.673 | 23.0767 | 532.5322 |
| Modal | 14 | 0.221 | 4.535 | 28.4914 | 811.7595 |
| Modal | 15 | 0.213 | 4.692 | 29.4816 | 869.1618 |
| Modal | 16 | 0.212 | 4.724 | 29.6828 | 881.0689 |
| Modal | 17 | 0.173 | 5.784 | 36.342 | 1320.7427 |
| Modal | 18 | 0.167 | 5.996 | 37.6722 | 1419.1936 |
| Modal | 19 | 0.16 | 6.269 | 39.3867 | 1551.3091 |
| Modal | 20 | 0.142 | 7.031 | 44.1767 | 1951.5789 |
| Modal | 21 | 0.132 | 7.598 | 47.7427 | 2279.3692 |
| Modal | 22 | 0.125 | 8.005 | 50.2965 | 2529.736 |
| Modal | 23 | 0.119 | 8.373 | 52.6109 | 2767.9113 |
| Modal | 24 | 0.117 | 8.553 | 53.7394 | 2887.9211 |
| Modal | 25 | 0.113 | 8.828 | 55.4648 | 3076.3494 |
| Modal | 26 | 0.108 | 9.221 | 57.9345 | 3356.4093 |
| Modal | 27 | 0.106 | 9.426 | 59.2277 | 3507.9224 |
| Modal | 28 | 0.103 | 9.721 | 61.0795 | 3730.7101 |
| Modal | 29 | 0.102 | 9.794 | 61.5384 | 3786.9808 |
| Modal | 30 | 0.1 | 9.978 | 62.6912 | 3930.1905 |
| Modal | 31 | 0.096 | 10.429 | 65.5292 | 4294.0785 |
| Modal | 32 | 0.089 | 11.199 | 70.3667 | 4951.4668 |
| Modal | 33 | 0.089 | 11.243 | 70.6431 | 4990.4413 |
| Modal | 34 | 0.087 | 11.534 | 72.47 | 5251.908 |
| Modal | 35 | 0.083 | 12.089 | 75.9591 | 5769.7856 |
| Modal | 36 | 0.082 | 12.257 | 77.0143 | 5931.2028 |
| Modal | 37 | 0.079 | 12.644 | 79.4425 | 6311.1125 |
| Modal | 38 | 0.075 | 13.278 | 83.4268 | 6960.0367 |
| Modal | 39 | 0.073 | 13.757 | 86.4365 | 7471.2609 |
| Modal | 40 | 0.071 | 14.126 | 88.7537 | 7877.2277 |
| Modal | 41 | 0.068 | 14.641 | 91.9903 | 8462.2207 |
| Modal | 42 | 0.066 | 15.084 | 94.7735 | 8982.0149 |
| Modal | 43 | 0.064 | 15.563 | 97.7877 | 9562.4284 |
| Modal | 44 | 0.063 | 15.792 | 99.2257 | 9845.7461 |
| Modal | 45 | 0.059 | 16.933 | 106.3932 | 11319.5207 |

**M O D A L P A R T I C I P A T I N G M A S S R A T I O S**

| **Case** | **Mode** | **Period** | **UX** | **UY** | **UZ** | **SumUX** | **SumUY** | **SumUZ** | **RX** | **RY** | **RZ** | **SumRX** | **SumRY** | **SumRZ** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| sec |
| Modal | 1 | 2.764 | 0.7541 | 0.0001 | 0.0000 | 0.7541 | 0.0001 | 0.0000 | 0.0000 | 0.1976 | 0.0401 | 0.0000 | 0.1976 | 0.0401 |
| Modal | 2 | 2.753 | 0.0017 | 0.6980 | 0.0000 | 0.7558 | 0.6981 | 0.0000 | 0.2453 | 0.0004 | 0.0437 | 0.2454 | 0.1980 | 0.0838 |
| Modal | 3 | 2.704 | 0.0404 | 0.0474 | 0.0000 | 0.7962 | 0.7455 | 0.0000 | 0.0174 | 0.0102 | 0.6542 | 0.2628 | 0.2083 | 0.7381 |
| Modal | 4 | 0.942 | 0.1022 | 0.0000 | 0.0000 | 0.8984 | 0.7455 | 0.0000 | 0.0001 | 0.4937 | 0.0004 | 0.2629 | 0.7020 | 0.7384 |
| Modal | 5 | 0.884 | 0.0002 | 0.0455 | 0.0000 | 0.8986 | 0.7910 | 0.0000 | 0.1383 | 0.0008 | 0.0897 | 0.4012 | 0.7028 | 0.8282 |
| Modal | 6 | 0.871 | 0.0002 | 0.0863 | 0.0000 | 0.8988 | 0.8773 | 0.0000 | 0.2630 | 0.0010 | 0.0451 | 0.6642 | 0.7038 | 0.8733 |
| Modal | 7 | 0.537 | 0.0300 | 0.0000 | 0.0000 | 0.9288 | 0.8773 | 0.0000 | 0.0000 | 0.0548 | 0.0000 | 0.6642 | 0.7586 | 0.8733 |
| Modal | 8 | 0.473 | 0.0000 | 0.0049 | 0.0000 | 0.9288 | 0.8821 | 0.0000 | 0.0099 | 0.0001 | 0.0352 | 0.6741 | 0.7587 | 0.9085 |
| Modal | 9 | 0.458 | 0.0000 | 0.0328 | 0.0000 | 0.9288 | 0.9149 | 0.0000 | 0.0666 | 0.0000 | 0.0048 | 0.7407 | 0.7587 | 0.9133 |
| Modal | 10 | 0.366 | 0.0170 | 0.0000 | 0.0000 | 0.9458 | 0.9149 | 0.0000 | 0.0000 | 0.0722 | 0.0000 | 0.7407 | 0.8309 | 0.9133 |
| Modal | 11 | 0.308 | 0.0000 | 0.0016 | 0.0000 | 0.9459 | 0.9165 | 0.0000 | 0.0052 | 0.0001 | 0.0178 | 0.7459 | 0.8310 | 0.9311 |
| Modal | 12 | 0.296 | 0.0000 | 0.0175 | 0.0000 | 0.9459 | 0.9341 | 0.0000 | 0.0551 | 0.0000 | 0.0017 | 0.8010 | 0.8311 | 0.9328 |
| Modal | 13 | 0.272 | 0.0116 | 0.0000 | 0.0000 | 0.9574 | 0.9341 | 0.0000 | 0.0000 | 0.0299 | 0.0000 | 0.8010 | 0.8610 | 0.9329 |
| Modal | 14 | 0.221 | 0.0001 | 0.0009 | 0.0000 | 0.9576 | 0.9349 | 0.0000 | 0.0023 | 0.0004 | 0.0125 | 0.8033 | 0.8613 | 0.9454 |
| Modal | 15 | 0.213 | 0.0088 | 0.0005 | 0.0000 | 0.9664 | 0.9355 | 0.0000 | 0.0014 | 0.0316 | 0.0000 | 0.8047 | 0.8929 | 0.9454 |
| Modal | 16 | 0.212 | 0.0003 | 0.0123 | 0.0000 | 0.9666 | 0.9478 | 0.0000 | 0.0321 | 0.0010 | 0.0011 | 0.8367 | 0.8939 | 0.9465 |
| Modal | 17 | 0.173 | 0.0065 | 0.0000 | 0.0000 | 0.9731 | 0.9478 | 0.0000 | 0.0000 | 0.0179 | 0.0000 | 0.8367 | 0.9118 | 0.9465 |
| Modal | 18 | 0.167 | 0.0000 | 0.0007 | 0.0000 | 0.9731 | 0.9485 | 0.0000 | 0.0023 | 0.0000 | 0.0110 | 0.8391 | 0.9119 | 0.9575 |
| Modal | 19 | 0.16 | 0.0000 | 0.0108 | 0.0000 | 0.9731 | 0.9593 | 0.0000 | 0.0339 | 0.0000 | 0.0007 | 0.8730 | 0.9119 | 0.9582 |
| Modal | 20 | 0.142 | 0.0043 | 0.0000 | 0.0000 | 0.9774 | 0.9593 | 0.0000 | 0.0000 | 0.0151 | 0.0000 | 0.8730 | 0.9270 | 0.9582 |
| Modal | 21 | 0.132 | 0.0000 | 0.0005 | 0.0000 | 0.9774 | 0.9599 | 0.0000 | 0.0015 | 0.0000 | 0.0081 | 0.8745 | 0.9270 | 0.9663 |
| Modal | 22 | 0.125 | 0.0000 | 0.0076 | 0.0000 | 0.9774 | 0.9675 | 0.0000 | 0.0219 | 0.0000 | 0.0004 | 0.8965 | 0.9270 | 0.9668 |
| Modal | 23 | 0.119 | 0.0034 | 0.0000 | 0.0000 | 0.9808 | 0.9675 | 0.0000 | 0.0000 | 0.0101 | 0.0000 | 0.8965 | 0.9371 | 0.9668 |
| Modal | 24 | 0.117 | 0.0000 | 0.0000 | 0.0000 | 0.9808 | 0.9675 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.8965 | 0.9371 | 0.9668 |
| Modal | 25 | 0.113 | 0.0000 | 0.0000 | 0.0000 | 0.9808 | 0.9675 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.8965 | 0.9371 | 0.9668 |
| Modal | 26 | 0.108 | 0.0000 | 0.0000 | 0.0000 | 0.9808 | 0.9675 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.8965 | 0.9371 | 0.9669 |
| Modal | 27 | 0.106 | 0.0000 | 0.0003 | 0.0000 | 0.9808 | 0.9678 | 0.0000 | 0.0009 | 0.0000 | 0.0049 | 0.8974 | 0.9371 | 0.9718 |
| Modal | 28 | 0.103 | 0.0000 | 0.0000 | 0.0000 | 0.9808 | 0.9678 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.8975 | 0.9372 | 0.9720 |
| Modal | 29 | 0.102 | 0.0029 | 0.0000 | 0.0000 | 0.9837 | 0.9678 | 0.0000 | 0.0000 | 0.0097 | 0.0000 | 0.8975 | 0.9470 | 0.9720 |
| Modal | 30 | 0.1 | 0.0000 | 0.0050 | 0.0000 | 0.9837 | 0.9728 | 0.0000 | 0.0157 | 0.0000 | 0.0003 | 0.9132 | 0.9470 | 0.9723 |
| Modal | 31 | 0.096 | 0.0000 | 0.0000 | 0.0000 | 0.9837 | 0.9728 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.9132 | 0.9470 | 0.9723 |
| Modal | 32 | 0.089 | 0.0027 | 0.0000 | 0.0000 | 0.9864 | 0.9728 | 0.0000 | 0.0000 | 0.0082 | 0.0000 | 0.9132 | 0.9551 | 0.9723 |

**M O D A L LOAD PARTICIPATION RATIOS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Case | ItemType | Item | Static  % | Dynamic  % |
| Modal | Acceleration | UX | 100 | 100 |
| Modal | Acceleration | UY | 100 | 100 |
| Modal | Acceleration | UZ | 0 | 0 |

## 3.2. Chequeo de irregularidades

Dado que el grupo de uso de la estructura es I y que se encuentra en una zona de amenaza sísmica intermedia las irregularidades se pueden limitar a 1aP, 1bP, 3P y 4P según el numeral A.3.3.7 de la NSR-10 para las irregularidades en planta y para las irregularidades en altura se puede limitar a 1aA, 5aA y 5bA según el numeral A.3.3.7 de la NSR-10.

La irregularidad 4P no se chequea ya que la estructura no cuenta con estas condiciones geométricas, ni desplazamiento de los elementos verticales en la altura.

Chequeo de irregularidad torsional en planta:

Gráfico, Gráfico de cajas y bigotes

Descripción generada automáticamente

**Figura 13. Puntos para determinar la torsión**

**Torsión en X:**

|  |  |
| --- | --- |
| **Point1** | 8 |
| **Point 2** | 101 |

| **Story** | **Point 1** | **Point 2** | **Load** | **Drift 1** | **Drift 2** | **Promedio** | **Factor** | **Factor>1.20** | **Factor>1.40** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| STORY22 | 8 | 101 | SD1 | 0.26% | 0.27% | 0.26% | 1.01 | No | No |
| STORY21 | 8 | 101 | SD1 | 0.35% | 0.36% | 0.36% | 1.013 | No | No |
| STORY20 | 8 | 101 | SD1 | 0.47% | 0.48% | 0.47% | 1.009 | No | No |
| STORY19 | 8 | 101 | SD1 | 0.58% | 0.59% | 0.58% | 1.007 | No | No |
| STORY18 | 8 | 101 | SD1 | 0.67% | 0.68% | 0.68% | 1.007 | No | No |
| STORY17 | 8 | 101 | SD1 | 0.74% | 0.75% | 0.75% | 1.006 | No | No |
| STORY16 | 8 | 101 | SD1 | 0.81% | 0.82% | 0.81% | 1.005 | No | No |
| STORY15 | 8 | 101 | SD1 | 0.87% | 0.88% | 0.87% | 1.005 | No | No |
| STORY14 | 8 | 101 | SD1 | 0.92% | 0.93% | 0.92% | 1.005 | No | No |
| STORY13 | 8 | 101 | SD1 | 0.95% | 0.96% | 0.96% | 1.005 | No | No |
| STORY12 | 8 | 101 | SD1 | 0.98% | 0.98% | 0.98% | 1.005 | No | No |
| STORY11 | 8 | 101 | SD1 | 0.96% | 0.97% | 0.97% | 1.004 | No | No |
| STORY10 | 8 | 101 | SD1 | 0.95% | 0.96% | 0.95% | 1.005 | No | No |
| STORY9 | 8 | 101 | SD1 | 0.95% | 0.96% | 0.96% | 1.005 | No | No |
| STORY8 | 8 | 101 | SD1 | 0.97% | 0.98% | 0.97% | 1.005 | No | No |
| STORY7 | 8 | 101 | SD1 | 0.98% | 0.99% | 0.98% | 1.005 | No | No |
| STORY6 | 8 | 101 | SD1 | 0.98% | 0.99% | 0.99% | 1.006 | No | No |
| STORY5 | 8 | 101 | SD1 | 1.01% | 1.02% | 1.02% | 1.004 | No | No |
| STORY4 | 8 | 101 | SD1 | 1.05% | 1.06% | 1.05% | 1.004 | No | No |
| STORY3 | 8 | 101 | SD1 | 1.02% | 1.03% | 1.02% | 1.004 | No | No |
| STORY2 | 8 | 101 | SD1 | 0.87% | 0.88% | 0.88% | 1.006 | No | No |
| STORY1 | 8 | 101 | SD1 | 0.44% | 0.45% | 0.44% | 1.01 | No | No |
| STORY22 | 8 | 101 | SD2 | 0.15% | 0.15% | 0.15% | 1.001 | No | No |
| STORY21 | 8 | 101 | SD2 | 0.19% | 0.19% | 0.19% | 1.002 | No | No |
| STORY20 | 8 | 101 | SD2 | 0.24% | 0.24% | 0.24% | 1.005 | No | No |
| STORY19 | 8 | 101 | SD2 | 0.28% | 0.28% | 0.28% | 1.009 | No | No |
| STORY18 | 8 | 101 | SD2 | 0.32% | 0.31% | 0.32% | 1.011 | No | No |
| STORY17 | 8 | 101 | SD2 | 0.35% | 0.34% | 0.34% | 1.013 | No | No |
| STORY16 | 8 | 101 | SD2 | 0.37% | 0.36% | 0.37% | 1.014 | No | No |
| STORY15 | 8 | 101 | SD2 | 0.40% | 0.39% | 0.39% | 1.015 | No | No |
| STORY14 | 8 | 101 | SD2 | 0.42% | 0.41% | 0.41% | 1.016 | No | No |
| STORY13 | 8 | 101 | SD2 | 0.43% | 0.42% | 0.43% | 1.015 | No | No |
| STORY12 | 8 | 101 | SD2 | 0.45% | 0.43% | 0.44% | 1.015 | No | No |
| STORY11 | 8 | 101 | SD2 | 0.44% | 0.43% | 0.44% | 1.015 | No | No |
| STORY10 | 8 | 101 | SD2 | 0.44% | 0.43% | 0.43% | 1.015 | No | No |
| STORY9 | 8 | 101 | SD2 | 0.44% | 0.43% | 0.44% | 1.014 | No | No |
| STORY8 | 8 | 101 | SD2 | 0.45% | 0.44% | 0.44% | 1.014 | No | No |
| STORY7 | 8 | 101 | SD2 | 0.45% | 0.44% | 0.44% | 1.015 | No | No |
| STORY6 | 8 | 101 | SD2 | 0.44% | 0.43% | 0.44% | 1.012 | No | No |
| STORY5 | 8 | 101 | SD2 | 0.45% | 0.44% | 0.45% | 1.014 | No | No |
| STORY4 | 8 | 101 | SD2 | 0.46% | 0.45% | 0.45% | 1.015 | No | No |
| STORY3 | 8 | 101 | SD2 | 0.44% | 0.43% | 0.43% | 1.014 | No | No |
| STORY2 | 8 | 101 | SD2 | 0.37% | 0.36% | 0.36% | 1.011 | No | No |
| STORY1 | 8 | 101 | SD2 | 0.18% | 0.18% | 0.18% | 1.004 | No | No |
| STORY22 | 8 | 101 | SD3 | 0.26% | 0.27% | 0.26% | 1.011 | No | No |
| STORY21 | 8 | 101 | SD3 | 0.35% | 0.36% | 0.36% | 1.015 | No | No |
| STORY20 | 8 | 101 | SD3 | 0.47% | 0.48% | 0.47% | 1.01 | No | No |
| STORY19 | 8 | 101 | SD3 | 0.58% | 0.59% | 0.58% | 1.008 | No | No |
| STORY18 | 8 | 101 | SD3 | 0.67% | 0.68% | 0.68% | 1.008 | No | No |
| STORY17 | 8 | 101 | SD3 | 0.74% | 0.75% | 0.75% | 1.007 | No | No |
| STORY16 | 8 | 101 | SD3 | 0.81% | 0.82% | 0.81% | 1.006 | No | No |
| STORY15 | 8 | 101 | SD3 | 0.87% | 0.88% | 0.87% | 1.006 | No | No |
| STORY14 | 8 | 101 | SD3 | 0.92% | 0.93% | 0.92% | 1.005 | No | No |
| STORY13 | 8 | 101 | SD3 | 0.95% | 0.96% | 0.96% | 1.005 | No | No |
| STORY12 | 8 | 101 | SD3 | 0.97% | 0.98% | 0.98% | 1.005 | No | No |
| STORY11 | 8 | 101 | SD3 | 0.96% | 0.97% | 0.97% | 1.005 | No | No |
| STORY10 | 8 | 101 | SD3 | 0.95% | 0.96% | 0.95% | 1.005 | No | No |
| STORY9 | 8 | 101 | SD3 | 0.95% | 0.96% | 0.96% | 1.006 | No | No |
| STORY8 | 8 | 101 | SD3 | 0.97% | 0.98% | 0.97% | 1.006 | No | No |
| STORY7 | 8 | 101 | SD3 | 0.98% | 0.99% | 0.98% | 1.005 | No | No |
| STORY6 | 8 | 101 | SD3 | 0.98% | 1.00% | 0.99% | 1.006 | No | No |
| STORY5 | 8 | 101 | SD3 | 1.01% | 1.02% | 1.02% | 1.004 | No | No |
| STORY4 | 8 | 101 | SD3 | 1.05% | 1.06% | 1.06% | 1.003 | No | No |
| STORY3 | 8 | 101 | SD3 | 1.02% | 1.03% | 1.02% | 1.004 | No | No |
| STORY2 | 8 | 101 | SD3 | 0.87% | 0.88% | 0.88% | 1.006 | No | No |
| STORY1 | 8 | 101 | SD3 | 0.44% | 0.45% | 0.44% | 1.009 | No | No |
| STORY22 | 8 | 101 | SD4 | 0.15% | 0.15% | 0.15% | 1.003 | No | No |
| STORY21 | 8 | 101 | SD4 | 0.19% | 0.19% | 0.19% | 1.006 | No | No |
| STORY20 | 8 | 101 | SD4 | 0.24% | 0.24% | 0.24% | 1.003 | No | No |
| STORY19 | 8 | 101 | SD4 | 0.28% | 0.28% | 0.28% | 1.007 | No | No |
| STORY18 | 8 | 101 | SD4 | 0.32% | 0.31% | 0.32% | 1.009 | No | No |
| STORY17 | 8 | 101 | SD4 | 0.35% | 0.34% | 0.34% | 1.011 | No | No |
| STORY16 | 8 | 101 | SD4 | 0.37% | 0.37% | 0.37% | 1.012 | No | No |
| STORY15 | 8 | 101 | SD4 | 0.40% | 0.39% | 0.39% | 1.013 | No | No |
| STORY14 | 8 | 101 | SD4 | 0.42% | 0.41% | 0.41% | 1.014 | No | No |
| STORY13 | 8 | 101 | SD4 | 0.43% | 0.42% | 0.43% | 1.014 | No | No |
| STORY12 | 8 | 101 | SD4 | 0.44% | 0.43% | 0.44% | 1.014 | No | No |
| STORY11 | 8 | 101 | SD4 | 0.44% | 0.43% | 0.44% | 1.014 | No | No |
| STORY10 | 8 | 101 | SD4 | 0.44% | 0.43% | 0.43% | 1.013 | No | No |
| STORY9 | 8 | 101 | SD4 | 0.44% | 0.43% | 0.44% | 1.013 | No | No |
| STORY8 | 8 | 101 | SD4 | 0.45% | 0.44% | 0.44% | 1.013 | No | No |
| STORY7 | 8 | 101 | SD4 | 0.45% | 0.44% | 0.44% | 1.013 | No | No |
| STORY6 | 8 | 101 | SD4 | 0.44% | 0.43% | 0.44% | 1.011 | No | No |
| STORY5 | 8 | 101 | SD4 | 0.45% | 0.44% | 0.45% | 1.014 | No | No |
| STORY4 | 8 | 101 | SD4 | 0.46% | 0.45% | 0.46% | 1.015 | No | No |
| STORY3 | 8 | 101 | SD4 | 0.44% | 0.43% | 0.43% | 1.014 | No | No |
| STORY2 | 8 | 101 | SD4 | 0.37% | 0.36% | 0.36% | 1.01 | No | No |
| STORY1 | 8 | 101 | SD4 | 0.18% | 0.18% | 0.18% | 1.005 | No | No |

|  |  |
| --- | --- |
| **Point1** | 22 |
| **Point 2** | 111 |

| **Story** | **Point 1** | **Point 2** | **Load** | **Drift 1** | **Drift 2** | **Promedio** | **Factor** | **Factor>1.20** | **Factor>1.40** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| STORY22 | 22 | 111 | SD1 | 0.26% | 0.26% | 0.26% | 1.01 | No | No |
| STORY21 | 22 | 111 | SD1 | 0.36% | 0.36% | 0.36% | 1.007 | No | No |
| STORY20 | 22 | 111 | SD1 | 0.47% | 0.48% | 0.47% | 1.008 | No | No |
| STORY19 | 22 | 111 | SD1 | 0.58% | 0.59% | 0.58% | 1.008 | No | No |
| STORY18 | 22 | 111 | SD1 | 0.67% | 0.68% | 0.68% | 1.007 | No | No |
| STORY17 | 22 | 111 | SD1 | 0.74% | 0.75% | 0.75% | 1.006 | No | No |
| STORY16 | 22 | 111 | SD1 | 0.81% | 0.82% | 0.81% | 1.005 | No | No |
| STORY15 | 22 | 111 | SD1 | 0.87% | 0.88% | 0.87% | 1.005 | No | No |
| STORY14 | 22 | 111 | SD1 | 0.92% | 0.93% | 0.92% | 1.005 | No | No |
| STORY13 | 22 | 111 | SD1 | 0.95% | 0.96% | 0.96% | 1.004 | No | No |
| STORY12 | 22 | 111 | SD1 | 0.98% | 0.98% | 0.98% | 1.005 | No | No |
| STORY11 | 22 | 111 | SD1 | 0.96% | 0.97% | 0.97% | 1.005 | No | No |
| STORY10 | 22 | 111 | SD1 | 0.95% | 0.96% | 0.95% | 1.005 | No | No |
| STORY9 | 22 | 111 | SD1 | 0.95% | 0.96% | 0.96% | 1.005 | No | No |
| STORY8 | 22 | 111 | SD1 | 0.97% | 0.98% | 0.97% | 1.005 | No | No |
| STORY7 | 22 | 111 | SD1 | 0.98% | 0.99% | 0.98% | 1.005 | No | No |
| STORY6 | 22 | 111 | SD1 | 0.98% | 0.99% | 0.99% | 1.005 | No | No |
| STORY5 | 22 | 111 | SD1 | 1.01% | 1.02% | 1.02% | 1.005 | No | No |
| STORY4 | 22 | 111 | SD1 | 1.05% | 1.06% | 1.05% | 1.004 | No | No |
| STORY3 | 22 | 111 | SD1 | 1.02% | 1.03% | 1.02% | 1.004 | No | No |
| STORY2 | 22 | 111 | SD1 | 0.87% | 0.88% | 0.88% | 1.005 | No | No |
| STORY1 | 22 | 111 | SD1 | 0.44% | 0.45% | 0.44% | 1.007 | No | No |
| STORY22 | 22 | 111 | SD2 | 0.15% | 0.15% | 0.15% | 1.002 | No | No |
| STORY21 | 22 | 111 | SD2 | 0.19% | 0.19% | 0.19% | 1.008 | No | No |
| STORY20 | 22 | 111 | SD2 | 0.24% | 0.24% | 0.24% | 1.007 | No | No |
| STORY19 | 22 | 111 | SD2 | 0.28% | 0.28% | 0.28% | 1.008 | No | No |
| STORY18 | 22 | 111 | SD2 | 0.32% | 0.31% | 0.32% | 1.01 | No | No |
| STORY17 | 22 | 111 | SD2 | 0.35% | 0.34% | 0.35% | 1.012 | No | No |
| STORY16 | 22 | 111 | SD2 | 0.37% | 0.36% | 0.37% | 1.014 | No | No |
| STORY15 | 22 | 111 | SD2 | 0.40% | 0.39% | 0.39% | 1.015 | No | No |
| STORY14 | 22 | 111 | SD2 | 0.42% | 0.41% | 0.41% | 1.015 | No | No |
| STORY13 | 22 | 111 | SD2 | 0.43% | 0.42% | 0.43% | 1.016 | No | No |
| STORY12 | 22 | 111 | SD2 | 0.45% | 0.43% | 0.44% | 1.015 | No | No |
| STORY11 | 22 | 111 | SD2 | 0.44% | 0.43% | 0.44% | 1.015 | No | No |
| STORY10 | 22 | 111 | SD2 | 0.44% | 0.43% | 0.43% | 1.015 | No | No |
| STORY9 | 22 | 111 | SD2 | 0.44% | 0.43% | 0.44% | 1.014 | No | No |
| STORY8 | 22 | 111 | SD2 | 0.45% | 0.44% | 0.44% | 1.013 | No | No |
| STORY7 | 22 | 111 | SD2 | 0.45% | 0.44% | 0.44% | 1.013 | No | No |
| STORY6 | 22 | 111 | SD2 | 0.45% | 0.43% | 0.44% | 1.013 | No | No |
| STORY5 | 22 | 111 | SD2 | 0.45% | 0.44% | 0.45% | 1.014 | No | No |
| STORY4 | 22 | 111 | SD2 | 0.46% | 0.45% | 0.45% | 1.015 | No | No |
| STORY3 | 22 | 111 | SD2 | 0.44% | 0.43% | 0.43% | 1.014 | No | No |
| STORY2 | 22 | 111 | SD2 | 0.37% | 0.36% | 0.36% | 1.012 | No | No |
| STORY1 | 22 | 111 | SD2 | 0.18% | 0.18% | 0.18% | 1.009 | No | No |
| STORY22 | 22 | 111 | SD3 | 0.26% | 0.26% | 0.26% | 1.014 | No | No |
| STORY21 | 22 | 111 | SD3 | 0.36% | 0.36% | 0.36% | 1.008 | No | No |
| STORY20 | 22 | 111 | SD3 | 0.47% | 0.48% | 0.47% | 1.009 | No | No |
| STORY19 | 22 | 111 | SD3 | 0.58% | 0.59% | 0.58% | 1.009 | No | No |
| STORY18 | 22 | 111 | SD3 | 0.67% | 0.68% | 0.68% | 1.008 | No | No |
| STORY17 | 22 | 111 | SD3 | 0.74% | 0.75% | 0.75% | 1.007 | No | No |
| STORY16 | 22 | 111 | SD3 | 0.81% | 0.82% | 0.81% | 1.006 | No | No |
| STORY15 | 22 | 111 | SD3 | 0.87% | 0.88% | 0.87% | 1.005 | No | No |
| STORY14 | 22 | 111 | SD3 | 0.92% | 0.93% | 0.92% | 1.005 | No | No |
| STORY13 | 22 | 111 | SD3 | 0.95% | 0.96% | 0.96% | 1.005 | No | No |
| STORY12 | 22 | 111 | SD3 | 0.97% | 0.98% | 0.98% | 1.005 | No | No |
| STORY11 | 22 | 111 | SD3 | 0.96% | 0.97% | 0.97% | 1.005 | No | No |
| STORY10 | 22 | 111 | SD3 | 0.95% | 0.96% | 0.95% | 1.005 | No | No |
| STORY9 | 22 | 111 | SD3 | 0.95% | 0.96% | 0.96% | 1.006 | No | No |
| STORY8 | 22 | 111 | SD3 | 0.97% | 0.98% | 0.97% | 1.006 | No | No |
| STORY7 | 22 | 111 | SD3 | 0.98% | 0.99% | 0.98% | 1.006 | No | No |
| STORY6 | 22 | 111 | SD3 | 0.98% | 0.99% | 0.99% | 1.005 | No | No |
| STORY5 | 22 | 111 | SD3 | 1.01% | 1.02% | 1.02% | 1.004 | No | No |
| STORY4 | 22 | 111 | SD3 | 1.05% | 1.06% | 1.06% | 1.004 | No | No |
| STORY3 | 22 | 111 | SD3 | 1.02% | 1.03% | 1.02% | 1.004 | No | No |
| STORY2 | 22 | 111 | SD3 | 0.87% | 0.88% | 0.88% | 1.005 | No | No |
| STORY1 | 22 | 111 | SD3 | 0.44% | 0.45% | 0.44% | 1.007 | No | No |
| STORY22 | 22 | 111 | SD4 | 0.15% | 0.15% | 0.15% | 1.005 | No | No |
| STORY21 | 22 | 111 | SD4 | 0.19% | 0.19% | 0.19% | 1.006 | No | No |
| STORY20 | 22 | 111 | SD4 | 0.24% | 0.24% | 0.24% | 1.004 | No | No |
| STORY19 | 22 | 111 | SD4 | 0.28% | 0.28% | 0.28% | 1.006 | No | No |
| STORY18 | 22 | 111 | SD4 | 0.32% | 0.32% | 0.32% | 1.008 | No | No |
| STORY17 | 22 | 111 | SD4 | 0.35% | 0.34% | 0.35% | 1.01 | No | No |
| STORY16 | 22 | 111 | SD4 | 0.37% | 0.37% | 0.37% | 1.012 | No | No |
| STORY15 | 22 | 111 | SD4 | 0.40% | 0.39% | 0.39% | 1.014 | No | No |
| STORY14 | 22 | 111 | SD4 | 0.42% | 0.41% | 0.41% | 1.014 | No | No |
| STORY13 | 22 | 111 | SD4 | 0.43% | 0.42% | 0.43% | 1.015 | No | No |
| STORY12 | 22 | 111 | SD4 | 0.45% | 0.43% | 0.44% | 1.014 | No | No |
| STORY11 | 22 | 111 | SD4 | 0.44% | 0.43% | 0.44% | 1.014 | No | No |
| STORY10 | 22 | 111 | SD4 | 0.44% | 0.43% | 0.43% | 1.013 | No | No |
| STORY9 | 22 | 111 | SD4 | 0.44% | 0.43% | 0.44% | 1.012 | No | No |
| STORY8 | 22 | 111 | SD4 | 0.45% | 0.44% | 0.44% | 1.012 | No | No |
| STORY7 | 22 | 111 | SD4 | 0.45% | 0.44% | 0.44% | 1.013 | No | No |
| STORY6 | 22 | 111 | SD4 | 0.45% | 0.43% | 0.44% | 1.013 | No | No |
| STORY5 | 22 | 111 | SD4 | 0.45% | 0.44% | 0.45% | 1.014 | No | No |
| STORY4 | 22 | 111 | SD4 | 0.46% | 0.45% | 0.45% | 1.015 | No | No |
| STORY3 | 22 | 111 | SD4 | 0.44% | 0.43% | 0.43% | 1.014 | No | No |
| STORY2 | 22 | 111 | SD4 | 0.37% | 0.36% | 0.36% | 1.012 | No | No |
| STORY1 | 22 | 111 | SD4 | 0.18% | 0.18% | 0.18% | 1.009 | No | No |

**Torsión en Y**

|  |  |
| --- | --- |
| **Point1** | 8 |
| **Point 2** | 22 |

| **Story** | **Point 1** | **Point 2** | **Load** | **Drift 1** | **Drift 2** | **Promedio** | **Factor** | **Factor>1.20** | **Factor>1.40** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| STORY22 | 8 | 22 | SD1 | 0.31% | 0.33% | 0.32% | 1.022 | No | No |
| STORY21 | 8 | 22 | SD1 | 0.36% | 0.36% | 0.36% | 1 | No | No |
| STORY20 | 8 | 22 | SD1 | 0.41% | 0.41% | 0.41% | 1 | No | No |
| STORY19 | 8 | 22 | SD1 | 0.45% | 0.45% | 0.45% | 1.002 | No | No |
| STORY18 | 8 | 22 | SD1 | 0.49% | 0.50% | 0.49% | 1.002 | No | No |
| STORY17 | 8 | 22 | SD1 | 0.52% | 0.52% | 0.52% | 1.003 | No | No |
| STORY16 | 8 | 22 | SD1 | 0.54% | 0.54% | 0.54% | 1.003 | No | No |
| STORY15 | 8 | 22 | SD1 | 0.55% | 0.56% | 0.56% | 1.003 | No | No |
| STORY14 | 8 | 22 | SD1 | 0.57% | 0.57% | 0.57% | 1.004 | No | No |
| STORY13 | 8 | 22 | SD1 | 0.58% | 0.59% | 0.59% | 1.003 | No | No |
| STORY12 | 8 | 22 | SD1 | 0.59% | 0.60% | 0.60% | 1.004 | No | No |
| STORY11 | 8 | 22 | SD1 | 0.60% | 0.60% | 0.60% | 1.005 | No | No |
| STORY10 | 8 | 22 | SD1 | 0.60% | 0.60% | 0.60% | 1.006 | No | No |
| STORY9 | 8 | 22 | SD1 | 0.60% | 0.61% | 0.61% | 1.007 | No | No |
| STORY8 | 8 | 22 | SD1 | 0.60% | 0.61% | 0.61% | 1.009 | No | No |
| STORY7 | 8 | 22 | SD1 | 0.58% | 0.59% | 0.59% | 1.012 | No | No |
| STORY6 | 8 | 22 | SD1 | 0.55% | 0.56% | 0.55% | 1.013 | No | No |
| STORY5 | 8 | 22 | SD1 | 0.54% | 0.55% | 0.55% | 1.013 | No | No |
| STORY4 | 8 | 22 | SD1 | 0.52% | 0.54% | 0.53% | 1.012 | No | No |
| STORY3 | 8 | 22 | SD1 | 0.47% | 0.48% | 0.47% | 1.01 | No | No |
| STORY2 | 8 | 22 | SD1 | 0.37% | 0.37% | 0.37% | 1.008 | No | No |
| STORY1 | 8 | 22 | SD1 | 0.17% | 0.17% | 0.17% | 1.006 | No | No |
| STORY22 | 8 | 22 | SD2 | 0.76% | 0.75% | 0.76% | 1.002 | No | No |
| STORY21 | 8 | 22 | SD2 | 0.85% | 0.83% | 0.84% | 1.011 | No | No |
| STORY20 | 8 | 22 | SD2 | 0.96% | 0.94% | 0.95% | 1.013 | No | No |
| STORY19 | 8 | 22 | SD2 | 1.07% | 1.04% | 1.06% | 1.013 | No | No |
| STORY18 | 8 | 22 | SD2 | 1.17% | 1.14% | 1.15% | 1.014 | No | No |
| STORY17 | 8 | 22 | SD2 | 1.23% | 1.19% | 1.21% | 1.014 | No | No |
| STORY16 | 8 | 22 | SD2 | 1.27% | 1.23% | 1.25% | 1.015 | No | No |
| STORY15 | 8 | 22 | SD2 | 1.29% | 1.25% | 1.27% | 1.015 | No | No |
| STORY14 | 8 | 22 | SD2 | 1.32% | 1.28% | 1.30% | 1.016 | No | No |
| STORY13 | 8 | 22 | SD2 | 1.34% | 1.30% | 1.32% | 1.016 | No | No |
| STORY12 | 8 | 22 | SD2 | 1.37% | 1.32% | 1.34% | 1.015 | No | No |
| STORY11 | 8 | 22 | SD2 | 1.37% | 1.33% | 1.35% | 1.015 | No | No |
| STORY10 | 8 | 22 | SD2 | 1.37% | 1.33% | 1.35% | 1.014 | No | No |
| STORY9 | 8 | 22 | SD2 | 1.38% | 1.34% | 1.36% | 1.013 | No | No |
| STORY8 | 8 | 22 | SD2 | 1.38% | 1.34% | 1.36% | 1.012 | No | No |
| STORY7 | 8 | 22 | SD2 | 1.33% | 1.31% | 1.32% | 1.01 | No | No |
| STORY6 | 8 | 22 | SD2 | 1.26% | 1.24% | 1.25% | 1.009 | No | No |
| STORY5 | 8 | 22 | SD2 | 1.24% | 1.22% | 1.23% | 1.009 | No | No |
| STORY4 | 8 | 22 | SD2 | 1.21% | 1.18% | 1.19% | 1.01 | No | No |
| STORY3 | 8 | 22 | SD2 | 1.08% | 1.05% | 1.06% | 1.012 | No | No |
| STORY2 | 8 | 22 | SD2 | 0.84% | 0.81% | 0.82% | 1.014 | No | No |
| STORY1 | 8 | 22 | SD2 | 0.38% | 0.37% | 0.38% | 1.015 | No | No |
| STORY22 | 8 | 22 | SD3 | 0.31% | 0.33% | 0.32% | 1.025 | No | No |
| STORY21 | 8 | 22 | SD3 | 0.36% | 0.36% | 0.36% | 1.001 | No | No |
| STORY20 | 8 | 22 | SD3 | 0.41% | 0.41% | 0.41% | 1.001 | No | No |
| STORY19 | 8 | 22 | SD3 | 0.45% | 0.45% | 0.45% | 1.001 | No | No |
| STORY18 | 8 | 22 | SD3 | 0.49% | 0.50% | 0.49% | 1.002 | No | No |
| STORY17 | 8 | 22 | SD3 | 0.52% | 0.52% | 0.52% | 1.003 | No | No |
| STORY16 | 8 | 22 | SD3 | 0.54% | 0.54% | 0.54% | 1.003 | No | No |
| STORY15 | 8 | 22 | SD3 | 0.55% | 0.56% | 0.56% | 1.003 | No | No |
| STORY14 | 8 | 22 | SD3 | 0.57% | 0.57% | 0.57% | 1.003 | No | No |
| STORY13 | 8 | 22 | SD3 | 0.58% | 0.59% | 0.59% | 1.003 | No | No |
| STORY12 | 8 | 22 | SD3 | 0.59% | 0.60% | 0.60% | 1.004 | No | No |
| STORY11 | 8 | 22 | SD3 | 0.60% | 0.60% | 0.60% | 1.005 | No | No |
| STORY10 | 8 | 22 | SD3 | 0.60% | 0.60% | 0.60% | 1.006 | No | No |
| STORY9 | 8 | 22 | SD3 | 0.60% | 0.61% | 0.61% | 1.007 | No | No |
| STORY8 | 8 | 22 | SD3 | 0.60% | 0.61% | 0.61% | 1.009 | No | No |
| STORY7 | 8 | 22 | SD3 | 0.58% | 0.59% | 0.59% | 1.012 | No | No |
| STORY6 | 8 | 22 | SD3 | 0.55% | 0.56% | 0.55% | 1.013 | No | No |
| STORY5 | 8 | 22 | SD3 | 0.54% | 0.55% | 0.55% | 1.013 | No | No |
| STORY4 | 8 | 22 | SD3 | 0.52% | 0.54% | 0.53% | 1.013 | No | No |
| STORY3 | 8 | 22 | SD3 | 0.47% | 0.48% | 0.47% | 1.011 | No | No |
| STORY2 | 8 | 22 | SD3 | 0.37% | 0.37% | 0.37% | 1.008 | No | No |
| STORY1 | 8 | 22 | SD3 | 0.17% | 0.17% | 0.17% | 1.006 | No | No |
| STORY22 | 8 | 22 | SD4 | 0.76% | 0.76% | 0.76% | 1 | No | No |
| STORY21 | 8 | 22 | SD4 | 0.85% | 0.83% | 0.84% | 1.012 | No | No |
| STORY20 | 8 | 22 | SD4 | 0.96% | 0.94% | 0.95% | 1.013 | No | No |
| STORY19 | 8 | 22 | SD4 | 1.07% | 1.04% | 1.06% | 1.013 | No | No |
| STORY18 | 8 | 22 | SD4 | 1.17% | 1.14% | 1.15% | 1.014 | No | No |
| STORY17 | 8 | 22 | SD4 | 1.23% | 1.19% | 1.21% | 1.014 | No | No |
| STORY16 | 8 | 22 | SD4 | 1.27% | 1.23% | 1.25% | 1.015 | No | No |
| STORY15 | 8 | 22 | SD4 | 1.29% | 1.25% | 1.27% | 1.015 | No | No |
| STORY14 | 8 | 22 | SD4 | 1.32% | 1.28% | 1.30% | 1.016 | No | No |
| STORY13 | 8 | 22 | SD4 | 1.34% | 1.30% | 1.32% | 1.016 | No | No |
| STORY12 | 8 | 22 | SD4 | 1.37% | 1.32% | 1.34% | 1.015 | No | No |
| STORY11 | 8 | 22 | SD4 | 1.37% | 1.33% | 1.35% | 1.015 | No | No |
| STORY10 | 8 | 22 | SD4 | 1.37% | 1.33% | 1.35% | 1.014 | No | No |
| STORY9 | 8 | 22 | SD4 | 1.38% | 1.34% | 1.36% | 1.013 | No | No |
| STORY8 | 8 | 22 | SD4 | 1.38% | 1.35% | 1.36% | 1.012 | No | No |
| STORY7 | 8 | 22 | SD4 | 1.33% | 1.31% | 1.32% | 1.009 | No | No |
| STORY6 | 8 | 22 | SD4 | 1.26% | 1.24% | 1.25% | 1.009 | No | No |
| STORY5 | 8 | 22 | SD4 | 1.24% | 1.22% | 1.23% | 1.009 | No | No |
| STORY4 | 8 | 22 | SD4 | 1.21% | 1.18% | 1.19% | 1.01 | No | No |
| STORY3 | 8 | 22 | SD4 | 1.08% | 1.05% | 1.06% | 1.012 | No | No |
| STORY2 | 8 | 22 | SD4 | 0.84% | 0.81% | 0.82% | 1.014 | No | No |
| STORY1 | 8 | 22 | SD4 | 0.38% | 0.37% | 0.38% | 1.015 | No | No |

|  |  |
| --- | --- |
| **Point1** | 101 |
| **Point 2** | 111 |

| **Story** | **Point 1** | **Point 2** | **Load** | **Drift 1** | **Drift 2** | **Promedio** | **Factor** | **Factor>1.20** | **Factor>1.40** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| STORY22 | 101 | 111 | SD1 | 0.33% | 0.33% | 0.33% | 1.005 | No | No |
| STORY21 | 101 | 111 | SD1 | 0.36% | 0.36% | 0.36% | 1 | No | No |
| STORY20 | 101 | 111 | SD1 | 0.40% | 0.41% | 0.41% | 1.002 | No | No |
| STORY19 | 101 | 111 | SD1 | 0.45% | 0.45% | 0.45% | 1.002 | No | No |
| STORY18 | 101 | 111 | SD1 | 0.49% | 0.50% | 0.49% | 1.003 | No | No |
| STORY17 | 101 | 111 | SD1 | 0.52% | 0.52% | 0.52% | 1.003 | No | No |
| STORY16 | 101 | 111 | SD1 | 0.54% | 0.54% | 0.54% | 1.003 | No | No |
| STORY15 | 101 | 111 | SD1 | 0.55% | 0.56% | 0.56% | 1.003 | No | No |
| STORY14 | 101 | 111 | SD1 | 0.57% | 0.57% | 0.57% | 1.003 | No | No |
| STORY13 | 101 | 111 | SD1 | 0.58% | 0.59% | 0.59% | 1.004 | No | No |
| STORY12 | 101 | 111 | SD1 | 0.59% | 0.60% | 0.60% | 1.004 | No | No |
| STORY11 | 101 | 111 | SD1 | 0.60% | 0.60% | 0.60% | 1.005 | No | No |
| STORY10 | 101 | 111 | SD1 | 0.60% | 0.61% | 0.60% | 1.006 | No | No |
| STORY9 | 101 | 111 | SD1 | 0.60% | 0.61% | 0.61% | 1.007 | No | No |
| STORY8 | 101 | 111 | SD1 | 0.60% | 0.61% | 0.61% | 1.009 | No | No |
| STORY7 | 101 | 111 | SD1 | 0.58% | 0.59% | 0.59% | 1.011 | No | No |
| STORY6 | 101 | 111 | SD1 | 0.55% | 0.56% | 0.55% | 1.013 | No | No |
| STORY5 | 101 | 111 | SD1 | 0.54% | 0.55% | 0.55% | 1.013 | No | No |
| STORY4 | 101 | 111 | SD1 | 0.52% | 0.54% | 0.53% | 1.012 | No | No |
| STORY3 | 101 | 111 | SD1 | 0.47% | 0.48% | 0.47% | 1.011 | No | No |
| STORY2 | 101 | 111 | SD1 | 0.37% | 0.37% | 0.37% | 1.008 | No | No |
| STORY1 | 101 | 111 | SD1 | 0.17% | 0.17% | 0.17% | 1.004 | No | No |
| STORY22 | 101 | 111 | SD2 | 0.77% | 0.75% | 0.76% | 1.013 | No | No |
| STORY21 | 101 | 111 | SD2 | 0.85% | 0.83% | 0.84% | 1.012 | No | No |
| STORY20 | 101 | 111 | SD2 | 0.96% | 0.94% | 0.95% | 1.012 | No | No |
| STORY19 | 101 | 111 | SD2 | 1.07% | 1.05% | 1.06% | 1.013 | No | No |
| STORY18 | 101 | 111 | SD2 | 1.17% | 1.14% | 1.15% | 1.013 | No | No |
| STORY17 | 101 | 111 | SD2 | 1.23% | 1.19% | 1.21% | 1.014 | No | No |
| STORY16 | 101 | 111 | SD2 | 1.27% | 1.23% | 1.25% | 1.015 | No | No |
| STORY15 | 101 | 111 | SD2 | 1.29% | 1.25% | 1.27% | 1.015 | No | No |
| STORY14 | 101 | 111 | SD2 | 1.32% | 1.28% | 1.30% | 1.016 | No | No |
| STORY13 | 101 | 111 | SD2 | 1.34% | 1.30% | 1.32% | 1.016 | No | No |
| STORY12 | 101 | 111 | SD2 | 1.36% | 1.32% | 1.34% | 1.015 | No | No |
| STORY11 | 101 | 111 | SD2 | 1.37% | 1.33% | 1.35% | 1.015 | No | No |
| STORY10 | 101 | 111 | SD2 | 1.37% | 1.33% | 1.35% | 1.014 | No | No |
| STORY9 | 101 | 111 | SD2 | 1.38% | 1.34% | 1.36% | 1.013 | No | No |
| STORY8 | 101 | 111 | SD2 | 1.38% | 1.35% | 1.36% | 1.011 | No | No |
| STORY7 | 101 | 111 | SD2 | 1.33% | 1.31% | 1.32% | 1.01 | No | No |
| STORY6 | 101 | 111 | SD2 | 1.26% | 1.24% | 1.25% | 1.009 | No | No |
| STORY5 | 101 | 111 | SD2 | 1.24% | 1.22% | 1.23% | 1.009 | No | No |
| STORY4 | 101 | 111 | SD2 | 1.20% | 1.18% | 1.19% | 1.01 | No | No |
| STORY3 | 101 | 111 | SD2 | 1.08% | 1.05% | 1.06% | 1.012 | No | No |
| STORY2 | 101 | 111 | SD2 | 0.83% | 0.81% | 0.82% | 1.014 | No | No |
| STORY1 | 101 | 111 | SD2 | 0.38% | 0.37% | 0.38% | 1.017 | No | No |
| STORY22 | 101 | 111 | SD3 | 0.33% | 0.33% | 0.33% | 1.005 | No | No |
| STORY21 | 101 | 111 | SD3 | 0.36% | 0.36% | 0.36% | 1 | No | No |
| STORY20 | 101 | 111 | SD3 | 0.41% | 0.41% | 0.41% | 1.002 | No | No |
| STORY19 | 101 | 111 | SD3 | 0.45% | 0.45% | 0.45% | 1.002 | No | No |
| STORY18 | 101 | 111 | SD3 | 0.49% | 0.50% | 0.49% | 1.003 | No | No |
| STORY17 | 101 | 111 | SD3 | 0.52% | 0.52% | 0.52% | 1.003 | No | No |
| STORY16 | 101 | 111 | SD3 | 0.54% | 0.54% | 0.54% | 1.003 | No | No |
| STORY15 | 101 | 111 | SD3 | 0.55% | 0.56% | 0.56% | 1.002 | No | No |
| STORY14 | 101 | 111 | SD3 | 0.57% | 0.57% | 0.57% | 1.003 | No | No |
| STORY13 | 101 | 111 | SD3 | 0.58% | 0.59% | 0.59% | 1.003 | No | No |
| STORY12 | 101 | 111 | SD3 | 0.59% | 0.60% | 0.60% | 1.004 | No | No |
| STORY11 | 101 | 111 | SD3 | 0.60% | 0.60% | 0.60% | 1.005 | No | No |
| STORY10 | 101 | 111 | SD3 | 0.60% | 0.61% | 0.60% | 1.006 | No | No |
| STORY9 | 101 | 111 | SD3 | 0.60% | 0.61% | 0.61% | 1.008 | No | No |
| STORY8 | 101 | 111 | SD3 | 0.60% | 0.61% | 0.61% | 1.009 | No | No |
| STORY7 | 101 | 111 | SD3 | 0.58% | 0.59% | 0.59% | 1.012 | No | No |
| STORY6 | 101 | 111 | SD3 | 0.55% | 0.56% | 0.55% | 1.013 | No | No |
| STORY5 | 101 | 111 | SD3 | 0.54% | 0.55% | 0.55% | 1.014 | No | No |
| STORY4 | 101 | 111 | SD3 | 0.52% | 0.54% | 0.53% | 1.013 | No | No |
| STORY3 | 101 | 111 | SD3 | 0.47% | 0.48% | 0.48% | 1.011 | No | No |
| STORY2 | 101 | 111 | SD3 | 0.37% | 0.37% | 0.37% | 1.008 | No | No |
| STORY1 | 101 | 111 | SD3 | 0.17% | 0.17% | 0.17% | 1.005 | No | No |
| STORY22 | 101 | 111 | SD4 | 0.78% | 0.76% | 0.77% | 1.013 | No | No |
| STORY21 | 101 | 111 | SD4 | 0.85% | 0.83% | 0.84% | 1.012 | No | No |
| STORY20 | 101 | 111 | SD4 | 0.96% | 0.94% | 0.95% | 1.012 | No | No |
| STORY19 | 101 | 111 | SD4 | 1.07% | 1.04% | 1.06% | 1.013 | No | No |
| STORY18 | 101 | 111 | SD4 | 1.17% | 1.14% | 1.15% | 1.014 | No | No |
| STORY17 | 101 | 111 | SD4 | 1.23% | 1.19% | 1.21% | 1.014 | No | No |
| STORY16 | 101 | 111 | SD4 | 1.27% | 1.23% | 1.25% | 1.015 | No | No |
| STORY15 | 101 | 111 | SD4 | 1.29% | 1.25% | 1.27% | 1.016 | No | No |
| STORY14 | 101 | 111 | SD4 | 1.32% | 1.28% | 1.30% | 1.016 | No | No |
| STORY13 | 101 | 111 | SD4 | 1.34% | 1.30% | 1.32% | 1.016 | No | No |
| STORY12 | 101 | 111 | SD4 | 1.36% | 1.32% | 1.34% | 1.016 | No | No |
| STORY11 | 101 | 111 | SD4 | 1.37% | 1.33% | 1.35% | 1.015 | No | No |
| STORY10 | 101 | 111 | SD4 | 1.37% | 1.33% | 1.35% | 1.014 | No | No |
| STORY9 | 101 | 111 | SD4 | 1.38% | 1.34% | 1.36% | 1.013 | No | No |
| STORY8 | 101 | 111 | SD4 | 1.38% | 1.35% | 1.36% | 1.011 | No | No |
| STORY7 | 101 | 111 | SD4 | 1.33% | 1.31% | 1.32% | 1.01 | No | No |
| STORY6 | 101 | 111 | SD4 | 1.26% | 1.24% | 1.25% | 1.009 | No | No |
| STORY5 | 101 | 111 | SD4 | 1.24% | 1.22% | 1.23% | 1.009 | No | No |
| STORY4 | 101 | 111 | SD4 | 1.21% | 1.18% | 1.19% | 1.01 | No | No |
| STORY3 | 101 | 111 | SD4 | 1.08% | 1.05% | 1.06% | 1.012 | No | No |
| STORY2 | 101 | 111 | SD4 | 0.83% | 0.81% | 0.82% | 1.014 | No | No |
| STORY1 | 101 | 111 | SD4 | 0.38% | 0.37% | 0.38% | 1.017 | No | No |

De acuerdo con los anteriores datos, se contempla que la estructura NO presenta irregularidad torsional, por lo tanto, se toma un valor de Фp=1.00.

### **Coeficiente de disipación de energía**

Según la NSR-10 en su Tabla A.3-3 para edificaciones con sistema estructural en pórticos resistentes a momento construidos en concreto con capacidad de disipación moderada de energía, DM0, se establece un valor para el coeficiente de disipación de energía básico de Ro=5.00

Este coeficiente de disipación de energía básico se reduce multiplicándolo por los coeficientes de reducción de capacidad de disipación de energía.

-Irregularidad en Altura: La estructura en altura NO presenta una irregularidad. Por lo tanto, Φa=1.0

-Irregularidad en planta: La estructura en planta NO presenta una irregularidad. Por lo tanto, Φp=1.0

Se hicieron chequeos por irregularidad torsional en dos puntos de un mismo pórtico bajo fuerzas horizontales de piso, dado que no cumple las condiciones , no hay irregularidad torsional.

-Irregularidad por ausencia de redundancia: La estructura NO presenta irregularidad por ausencia de redundancia. Luego, Φr=1.00

Por lo tanto, el Coeficiente de disipación de energía utilizado en el diseño es:

R= Ro x Φa xΦp x Φr XφT

R= 5.0 x 1.0 x1.0x1.0.0x1.0

R= 5.00

**Consideración de diafragma:**

Dentro de las posibilidades de modelación que se permiten emplear en el Etabs se cuenta con la opción de diafragma semirrígido, el cualcalcula la rigidez en el plano del diafragma a partir de todos los elementos que lo componen como lo son la loseta, nervios y vigas, lo cual simula aproximadamente la realidad de la edificación

## 3.3. Parámetros sísmicos y ajuste de resultados

Interfaz de usuario gráfica, Gráfico

Descripción generada automáticamente

**Base Reaction (SIN AJUSTE)**

A continuación se muestra el calculo de la cortante basal por medio de la fuerza horizontal equivalente (EX1 y EY1) y la cortante basal por medio de un análisis dinamico espectral elástico (SX y SY)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **TABLE: Base Reactions** | |  |  |  |
| **Output Case** | **Case Type** | **Step Type** | **FX** | **FY** |
|  |  |  | tonf | tonf |
| EX1 | LinStatic |  | 3003.85 | 0 |
| EY1 | LinStatic |  | 0 | 3003.85 |
| SXD1 | LinRespSpec | Max | 2374.32 | 35.4838 |
| SYD1 | LinRespSpec | Max | 35.4838 | 2355.96 |

|  |  |  |
| --- | --- | --- |
| **Dirección** | **X** | **Y** |
| **0.80\*Cortante estàtico (tf)=** | 2403.08 | 2403.08 |
| **Cortante Dinàmico (tf)=** | 2374.32 | 2355.96 |

Dados que los cortantes dinamicos son menores al 80% del cortante por fuerza horizoantal equivalente, se hizo un ajuste de cortantes dinamicos multiplicando los casos de carga SX y SY por el siguiente factor:

F.A.sx = 1.012

F.A.sy = 1.02

Realizando lo anterior se obtienesn los siguientes cortantes:

**Base Reaction (CON AJUSTE)**

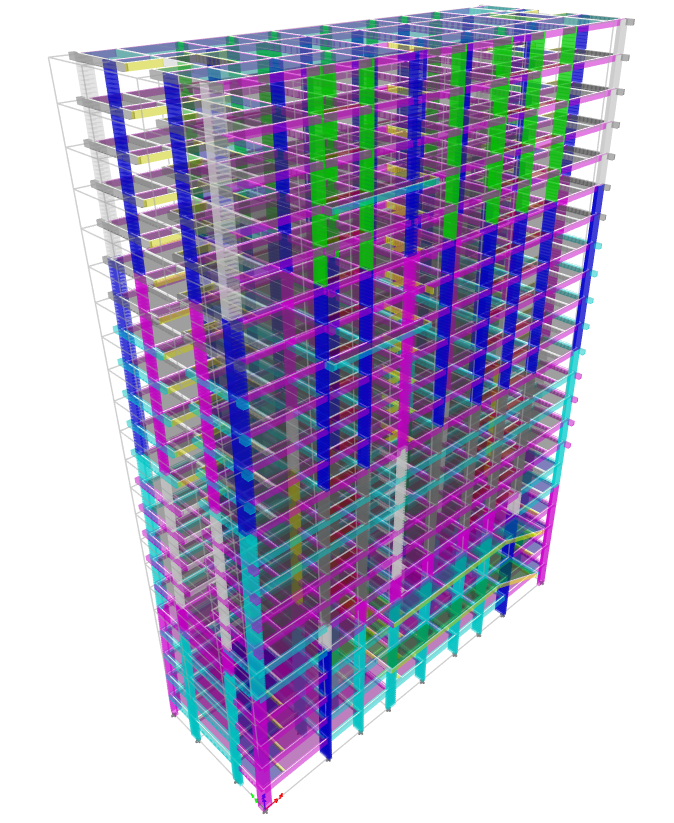
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **TABLE: Base Reactions** | |  |  |  |
| **Output Case** | **Case Type** | **Step Type** | **FX** | **FY** |
|  |  |  | tonf | tonf |
| EX1 | LinStatic |  | 3003.85 | 0 |
| EY1 | LinStatic |  | 0 | 3003.85 |
| SXD1 | LinRespSpec | Max | 2418.1978 | 36.0069 |
| SYD1 | LinRespSpec | Max | 36.2902 | 2461.8625 |

|  |  |  |
| --- | --- | --- |
| **Dirección** | **X** | **Y** |
| **0.80\*Cortante estàtico (tf)=** | 2403.08 | 2403.08 |
| **Cortante Dinàmico (tf)=** | 2418.1978 | 2461.8625 |

## 3.4. Combinaciones de carga

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **DEAD** | **LIVE** | **SX** | **SY** | **F** | **H** | **W** | **T** | **A** | **B** |
|  | **SSU01** | 1.4 | 0 | 0 | 0 | 1.4 | 0 | 0 | 0 | 0 | 0 |
| **Combinaciones Últimas** | **SU02** | 1.2 | 1.6 | 0 | 0 | 1.2 | 1.6 | 0 | 1.2 | 0.5 | 0 |
| **(Elementos de Concreto)** | **SU03** | 1.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.6 | 0.5 |
|  | **SU04** | 1.2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0.5 | 0 |
| Las cargas sísmicas son | **SU05** | 1.2 | 1 | 0.2 | 0.06 | 0 | 0 | 0 | 0 | 0 | 0 |
| divididas por R | **SU06** | 1.2 | 1 | 0.06 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 |
| (Dinámicas) | **SU07** | 0.9 | 0 | 0 | 0 | 0 | 1.6 | 1 | 0 | 0 | 0 |
|  | **SU08** | 0.9 | 0 | 0.2 | 0.06 | 0 | 1.6 | 0 | 0 | 0 | 0 |
|  | **SU09** | 0.9 | 0 | 0.06 | 0.2 | 1 | 1.6 | 0 | 0 | 0 | 0 |
|  | **SS01** | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| **Combinaciones de Servicio** | **SS02** | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
| **(Elementos de Concreto)** | **SS03** | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 |
|  | **SS04** | 1 | 0.75 | 0 | 0 | 1 | 1 | 0 | 0.75 | 0.75 | 0 |
| Las cargas sísmicas son | **SS05** | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 |
| divididas por el R del Concreto | **SS06** | 1 | 0 | 0.14 | 0.042 | 1 | 1 | 0 | 0 | 0 | 0 |
| (Dinámicas) | **SS07** | 1 | 0 | 0.042 | 0.14 | 1 | 1 | 0 | 0 | 0 | 0 |
|  | **SS08** | 1 | 0.75 | 0 | 0 | 1 | 1 | 0.75 | 0 | 0.75 | 0 |
|  | **SS09** | 1 | 0.75 | 0.105 | 0.0315 | 1 | 1 | 0 | 0 | 0.75 | 0 |
|  | **SS10** | 1 | 0.75 | 0.0315 | 0.105 | 1 | 1 | 0 | 0 | 0.75 | 0 |
|  | **SS11** | 0.6 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
|  | **SS12** | 0.6 | 0 | 0.14 | 0.042 | 0 | 1 | 0 | 0 | 0 | 0 |
|  | **SS13** | 0.6 | 0 | 0.042 | 0.14 | 0 | 1 | 0 | 0 | 0 | 0 |
|  | **SD1** | 1 | 0 | 1 | 0.3 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Combinaciones Para** | **SD2** | 1 | 0 | 0.3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Verificación de Derivas** | **SD3** | 1 | 1 | 1 | 0.3 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | **SD4** | 1 | 1 | 0.3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

## 3.5. Derivas



**Figura 14. Modelo Estructura Deformada**

* **RESULTADOS DERIVA**

| **Story** | **Output Case** | **Case Type** | **Step Type** | **Direction** | **Drift** | **Label** | **X (m)** | **Y (m)** | **Z (m)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| STORY22 | SDD2 | Combination | Max | Y | 0.57% | 22 | 44.2 | 0 | 64.83 |
| STORY22 | SDD2 | Combination | Min | Y | 0.59% | 101 | 0 | 15.6 | 64.83 |
| STORY22 | SDD4 | Combination | Max | Y | 0.57% | 22 | 44.2 | 0 | 64.83 |
| STORY22 | SDD4 | Combination | Min | Y | 0.59% | 101 | 0 | 15.6 | 64.83 |
| STORY21 | SDD2 | Combination | Max | Y | 0.63% | 94 | 44.2 | 11.0996 | 61.89 |
| STORY21 | SDD2 | Combination | Min | Y | 0.65% | 79 | -0.00003348 | 11.0996 | 61.89 |
| STORY21 | SDD4 | Combination | Max | Y | 0.63% | 94 | 44.2 | 11.0996 | 61.89 |
| STORY21 | SDD4 | Combination | Min | Y | 0.65% | 30 | -0.00001734 | 4.4996 | 61.89 |
| STORY20 | SDD2 | Combination | Max | Y | 0.71% | 116 | 44.2 | 16.5 | 58.95 |
| STORY20 | SDD2 | Combination | Min | Y | 0.73% | 112 | 0 | -0.9 | 58.95 |
| STORY20 | SDD4 | Combination | Max | Y | 0.71% | 116 | 44.2 | 16.5 | 58.95 |
| STORY20 | SDD4 | Combination | Min | Y | 0.73% | 112 | 0 | -0.9 | 58.95 |
| STORY19 | SDD1 | Combination | Max | X | 0.53% | 116 | 44.2 | 16.5 | 56.01 |
| STORY19 | SDD1 | Combination | Min | X | 0.54% | 116 | 44.2 | 16.5 | 56.01 |
| STORY19 | SDD2 | Combination | Max | Y | 0.79% | 116 | 44.2 | 16.5 | 56.01 |
| STORY19 | SDD2 | Combination | Min | Y | 0.82% | 30 | -0.00001734 | 4.4996 | 56.01 |
| STORY19 | SDD3 | Combination | Max | X | 0.53% | 116 | 44.2 | 16.5 | 56.01 |
| STORY19 | SDD3 | Combination | Min | X | 0.54% | 116 | 44.2 | 16.5 | 56.01 |
| STORY19 | SDD4 | Combination | Max | Y | 0.79% | 116 | 44.2 | 16.5 | 56.01 |
| STORY19 | SDD4 | Combination | Min | Y | 0.82% | 30 | -0.00001734 | 4.4996 | 56.01 |
| STORY18 | SDD1 | Combination | Max | X | 0.62% | 106 | 22.1003 | 15.6 | 53.07 |
| STORY18 | SDD1 | Combination | Min | X | 0.63% | 106 | 22.1003 | 15.6 | 53.07 |
| STORY18 | SDD2 | Combination | Max | Y | 0.85% | 79 | -0.00003348 | 11.0996 | 53.07 |
| STORY18 | SDD2 | Combination | Min | Y | 0.88% | 30 | -0.00001734 | 4.4996 | 53.07 |
| STORY18 | SDD3 | Combination | Max | X | 0.62% | 106 | 22.1003 | 15.6 | 53.07 |
| STORY18 | SDD3 | Combination | Min | X | 0.63% | 106 | 22.1003 | 15.6 | 53.07 |
| STORY18 | SDD4 | Combination | Max | Y | 0.85% | 79 | -0.00003348 | 11.0996 | 53.07 |
| STORY18 | SDD4 | Combination | Min | Y | 0.88% | 30 | -0.00001734 | 4.4996 | 53.07 |
| STORY17 | SDD1 | Combination | Max | X | 0.69% | 115 | 0 | 16.5 | 50.13 |
| STORY17 | SDD1 | Combination | Min | X | 0.69% | 115 | 0 | 16.5 | 50.13 |
| STORY17 | SDD2 | Combination | Max | Y | 0.90% | 30 | -0.00001734 | 4.4996 | 50.13 |
| STORY17 | SDD2 | Combination | Min | Y | 0.93% | 30 | -0.00001734 | 4.4996 | 50.13 |
| STORY17 | SDD3 | Combination | Max | X | 0.69% | 115 | 0 | 16.5 | 50.13 |
| STORY17 | SDD3 | Combination | Min | X | 0.69% | 115 | 0 | 16.5 | 50.13 |
| STORY17 | SDD4 | Combination | Max | Y | 0.90% | 30 | -0.00001734 | 4.4996 | 50.13 |
| STORY17 | SDD4 | Combination | Min | Y | 0.93% | 30 | -0.00001734 | 4.4996 | 50.13 |
| STORY16 | SDD1 | Combination | Max | X | 0.75% | 116 | 44.2 | 16.5 | 47.19 |
| STORY16 | SDD1 | Combination | Min | X | 0.75% | 116 | 44.2 | 16.5 | 47.19 |
| STORY16 | SDD2 | Combination | Max | Y | 0.92% | 112 | 0 | -0.9 | 47.19 |
| STORY16 | SDD2 | Combination | Min | Y | 0.95% | 112 | 0 | -0.9 | 47.19 |
| STORY16 | SDD3 | Combination | Max | X | 0.75% | 116 | 44.2 | 16.5 | 47.19 |
| STORY16 | SDD3 | Combination | Min | X | 0.76% | 116 | 44.2 | 16.5 | 47.19 |
| STORY16 | SDD4 | Combination | Max | Y | 0.92% | 112 | 0 | -0.9 | 47.19 |
| STORY16 | SDD4 | Combination | Min | Y | 0.95% | 112 | 0 | -0.9 | 47.19 |
| STORY15 | SDD1 | Combination | Max | X | 0.81% | 116 | 44.2 | 16.5 | 44.25 |
| STORY15 | SDD1 | Combination | Min | X | 0.81% | 115 | 0 | 16.5 | 44.25 |
| STORY15 | SDD2 | Combination | Max | Y | 0.93% | 112 | 0 | -0.9 | 44.25 |
| STORY15 | SDD2 | Combination | Min | Y | 0.95% | 115 | 0 | 16.5 | 44.25 |
| STORY15 | SDD3 | Combination | Max | X | 0.81% | 116 | 44.2 | 16.5 | 44.25 |
| STORY15 | SDD3 | Combination | Min | X | 0.81% | 115 | 0 | 16.5 | 44.25 |
| STORY15 | SDD4 | Combination | Max | Y | 0.93% | 112 | 0 | -0.9 | 44.25 |
| STORY15 | SDD4 | Combination | Min | Y | 0.95% | 115 | 0 | 16.5 | 44.25 |
| STORY14 | SDD1 | Combination | Max | X | 0.85% | 116 | 44.2 | 16.5 | 41.31 |
| STORY14 | SDD1 | Combination | Min | X | 0.86% | 116 | 44.2 | 16.5 | 41.31 |
| STORY14 | SDD2 | Combination | Max | Y | 0.94% | 30 | -0.00001734 | 4.4996 | 41.31 |
| STORY14 | SDD2 | Combination | Min | Y | 0.96% | 115 | 0 | 16.5 | 41.31 |
| STORY14 | SDD3 | Combination | Max | X | 0.85% | 116 | 44.2 | 16.5 | 41.31 |
| STORY14 | SDD3 | Combination | Min | X | 0.86% | 116 | 44.2 | 16.5 | 41.31 |
| STORY14 | SDD4 | Combination | Max | Y | 0.94% | 30 | -0.00001734 | 4.4996 | 41.31 |
| STORY14 | SDD4 | Combination | Min | Y | 0.96% | 115 | 0 | 16.5 | 41.31 |
| STORY13 | SDD1 | Combination | Max | X | 0.88% | 115 | 0 | 16.5 | 38.37 |
| STORY13 | SDD1 | Combination | Min | X | 0.89% | 115 | 0 | 16.5 | 38.37 |
| STORY13 | SDD2 | Combination | Max | Y | 0.95% | 115 | 0 | 16.5 | 38.37 |
| STORY13 | SDD2 | Combination | Min | Y | 0.97% | 112 | 0 | -0.9 | 38.37 |
| STORY13 | SDD3 | Combination | Max | X | 0.88% | 115 | 0 | 16.5 | 38.37 |
| STORY13 | SDD3 | Combination | Min | X | 0.89% | 115 | 0 | 16.5 | 38.37 |
| STORY13 | SDD4 | Combination | Max | Y | 0.95% | 115 | 0 | 16.5 | 38.37 |
| STORY13 | SDD4 | Combination | Min | Y | 0.97% | 112 | 0 | -0.9 | 38.37 |
| STORY12 | SDD1 | Combination | Max | X | 0.91% | 106 | 22.1003 | 15.6 | 35.43 |
| STORY12 | SDD1 | Combination | Min | X | 0.91% | 106 | 22.1003 | 15.6 | 35.43 |
| STORY12 | SDD2 | Combination | Max | Y | 0.95% | 115 | 0 | 16.5 | 35.43 |
| STORY12 | SDD2 | Combination | Min | Y | 0.97% | 112 | 0 | -0.9 | 35.43 |
| STORY12 | SDD3 | Combination | Max | X | 0.91% | 106 | 22.1003 | 15.6 | 35.43 |
| STORY12 | SDD3 | Combination | Min | X | 0.91% | 106 | 22.1003 | 15.6 | 35.43 |
| STORY12 | SDD4 | Combination | Max | Y | 0.95% | 115 | 0 | 16.5 | 35.43 |
| STORY12 | SDD4 | Combination | Min | Y | 0.98% | 112 | 0 | -0.9 | 35.43 |
| STORY11 | SDD1 | Combination | Max | X | 0.89% | 115 | 0 | 16.5 | 32.49 |
| STORY11 | SDD1 | Combination | Min | X | 0.89% | 115 | 0 | 16.5 | 32.49 |
| STORY11 | SDD2 | Combination | Max | Y | 0.95% | 30 | -0.00001734 | 4.4996 | 32.49 |
| STORY11 | SDD2 | Combination | Min | Y | 0.97% | 79 | -0.00003348 | 11.0996 | 32.49 |
| STORY11 | SDD3 | Combination | Max | X | 0.88% | 115 | 0 | 16.5 | 32.49 |
| STORY11 | SDD3 | Combination | Min | X | 0.89% | 115 | 0 | 16.5 | 32.49 |
| STORY11 | SDD4 | Combination | Max | Y | 0.95% | 30 | -0.00001734 | 4.4996 | 32.49 |
| STORY11 | SDD4 | Combination | Min | Y | 0.97% | 79 | -0.00003348 | 11.0996 | 32.49 |
| STORY10 | SDD1 | Combination | Max | X | 0.87% | 115 | 0 | 16.5 | 29.55 |
| STORY10 | SDD1 | Combination | Min | X | 0.87% | 115 | 0 | 16.5 | 29.55 |
| STORY10 | SDD2 | Combination | Max | Y | 0.94% | 30 | -0.00001734 | 4.4996 | 29.55 |
| STORY10 | SDD2 | Combination | Min | Y | 0.96% | 115 | 0 | 16.5 | 29.55 |
| STORY10 | SDD3 | Combination | Max | X | 0.87% | 115 | 0 | 16.5 | 29.55 |
| STORY10 | SDD3 | Combination | Min | X | 0.87% | 115 | 0 | 16.5 | 29.55 |
| STORY10 | SDD4 | Combination | Max | Y | 0.94% | 30 | -0.00001734 | 4.4996 | 29.55 |
| STORY10 | SDD4 | Combination | Min | Y | 0.96% | 115 | 0 | 16.5 | 29.55 |
| STORY9 | SDD1 | Combination | Max | X | 0.88% | 115 | 0 | 16.5 | 26.61 |
| STORY9 | SDD1 | Combination | Min | X | 0.88% | 115 | 0 | 16.5 | 26.61 |
| STORY9 | SDD2 | Combination | Max | Y | 0.94% | 115 | 0 | 16.5 | 26.61 |
| STORY9 | SDD2 | Combination | Min | Y | 0.96% | 112 | 0 | -0.9 | 26.61 |
| STORY9 | SDD3 | Combination | Max | X | 0.87% | 115 | 0 | 16.5 | 26.61 |
| STORY9 | SDD3 | Combination | Min | X | 0.88% | 115 | 0 | 16.5 | 26.61 |
| STORY9 | SDD4 | Combination | Max | Y | 0.94% | 115 | 0 | 16.5 | 26.61 |
| STORY9 | SDD4 | Combination | Min | Y | 0.96% | 112 | 0 | -0.9 | 26.61 |
| STORY8 | SDD1 | Combination | Max | X | 0.89% | 115 | 0 | 16.5 | 23.67 |
| STORY8 | SDD1 | Combination | Min | X | 0.89% | 116 | 44.2 | 16.5 | 23.67 |
| STORY8 | SDD2 | Combination | Max | Y | 0.94% | 79 | -0.00003348 | 11.0996 | 23.67 |
| STORY8 | SDD2 | Combination | Min | Y | 0.96% | 30 | -0.00001734 | 4.4996 | 23.67 |
| STORY8 | SDD3 | Combination | Max | X | 0.89% | 115 | 0 | 16.5 | 23.67 |
| STORY8 | SDD3 | Combination | Min | X | 0.89% | 116 | 44.2 | 16.5 | 23.67 |
| STORY8 | SDD4 | Combination | Max | Y | 0.94% | 79 | -0.00003348 | 11.0996 | 23.67 |
| STORY8 | SDD4 | Combination | Min | Y | 0.96% | 30 | -0.00001734 | 4.4996 | 23.67 |
| STORY7 | SDD1 | Combination | Max | X | 0.91% | 106 | 22.1003 | 15.6 | 20.73 |
| STORY7 | SDD1 | Combination | Min | X | 0.91% | 107 | 27.6002 | 15.6 | 20.73 |
| STORY7 | SDD2 | Combination | Max | Y | 0.91% | 79 | -0.00003348 | 11.0996 | 20.73 |
| STORY7 | SDD2 | Combination | Min | Y | 0.92% | 30 | -0.00001734 | 4.4996 | 20.73 |
| STORY7 | SDD3 | Combination | Max | X | 0.91% | 106 | 22.1003 | 15.6 | 20.73 |
| STORY7 | SDD3 | Combination | Min | X | 0.91% | 106 | 22.1003 | 15.6 | 20.73 |
| STORY7 | SDD4 | Combination | Max | Y | 0.91% | 79 | -0.00003348 | 11.0996 | 20.73 |
| STORY7 | SDD4 | Combination | Min | Y | 0.92% | 30 | -0.00001734 | 4.4996 | 20.73 |
| STORY6 | SDD1 | Combination | Max | X | 0.91% | 111 | 44.2 | 15.6 | 17.79 |
| STORY6 | SDD1 | Combination | Min | X | 0.91% | 101 | 0 | 15.6 | 17.79 |
| STORY6 | SDD2 | Combination | Max | Y | 0.86% | 8 | 0 | 0 | 17.79 |
| STORY6 | SDD2 | Combination | Min | Y | 0.87% | 101 | 0 | 15.6 | 17.79 |
| STORY6 | SDD3 | Combination | Max | X | 0.91% | 111 | 44.2 | 15.6 | 17.79 |
| STORY6 | SDD3 | Combination | Min | X | 0.91% | 101 | 0 | 15.6 | 17.79 |
| STORY6 | SDD4 | Combination | Max | Y | 0.86% | 8 | 0 | 0 | 17.79 |
| STORY6 | SDD4 | Combination | Min | Y | 0.87% | 101 | 0 | 15.6 | 17.79 |
| STORY5 | SDD1 | Combination | Max | X | 0.94% | 111 | 44.2 | 15.6 | 14.85 |
| STORY5 | SDD1 | Combination | Min | X | 0.94% | 101 | 0 | 15.6 | 14.85 |
| STORY5 | SDD2 | Combination | Max | Y | 0.84% | 79 | -0.00003348 | 11.0996 | 14.85 |
| STORY5 | SDD2 | Combination | Min | Y | 0.85% | 30 | -0.00001734 | 4.4996 | 14.85 |
| STORY5 | SDD3 | Combination | Max | X | 0.94% | 101 | 0 | 15.6 | 14.85 |
| STORY5 | SDD3 | Combination | Min | X | 0.94% | 101 | 0 | 15.6 | 14.85 |
| STORY5 | SDD4 | Combination | Max | Y | 0.84% | 79 | -0.00003348 | 11.0996 | 14.85 |
| STORY5 | SDD4 | Combination | Min | Y | 0.85% | 30 | -0.00001734 | 4.4996 | 14.85 |
| STORY4 | SDD1 | Combination | Max | X | 0.98% | 106 | 22.1003 | 15.6 | 11.91 |
| STORY4 | SDD1 | Combination | Min | X | 0.98% | 106 | 22.1003 | 15.6 | 11.91 |
| STORY4 | SDD2 | Combination | Max | Y | 0.81% | 8 | 0 | 0 | 11.91 |
| STORY4 | SDD2 | Combination | Min | Y | 0.82% | 8 | 0 | 0 | 11.91 |
| STORY4 | SDD3 | Combination | Max | X | 0.98% | 106 | 22.1003 | 15.6 | 11.91 |
| STORY4 | SDD3 | Combination | Min | X | 0.98% | 106 | 22.1003 | 15.6 | 11.91 |
| STORY4 | SDD4 | Combination | Max | Y | 0.81% | 8 | 0 | 0 | 11.91 |
| STORY4 | SDD4 | Combination | Min | Y | 0.82% | 8 | 0 | 0 | 11.91 |
| STORY3 | SDD1 | Combination | Max | X | 0.95% | 101 | 0 | 15.6 | 8.82 |
| STORY3 | SDD1 | Combination | Min | X | 0.95% | 101 | 0 | 15.6 | 8.82 |
| STORY3 | SDD2 | Combination | Max | Y | 0.72% | 8 | 0 | 0 | 8.82 |
| STORY3 | SDD2 | Combination | Min | Y | 0.73% | 30 | -0.00001734 | 4.4996 | 8.82 |
| STORY3 | SDD3 | Combination | Max | X | 0.95% | 101 | 0 | 15.6 | 8.82 |
| STORY3 | SDD3 | Combination | Min | X | 0.96% | 101 | 0 | 15.6 | 8.82 |
| STORY3 | SDD4 | Combination | Max | Y | 0.72% | 8 | 0 | 0 | 8.82 |
| STORY3 | SDD4 | Combination | Min | Y | 0.73% | 30 | -0.00001734 | 4.4996 | 8.82 |
| STORY2 | SDD1 | Combination | Max | X | 0.82% | 101 | 0 | 15.6 | 5.88 |
| STORY2 | SDD1 | Combination | Min | X | 0.82% | 101 | 0 | 15.6 | 5.88 |
| STORY2 | SDD2 | Combination | Max | Y | 0.56% | 8 | 0 | 0 | 5.88 |
| STORY2 | SDD2 | Combination | Min | Y | 0.56% | 8 | 0 | 0 | 5.88 |
| STORY2 | SDD3 | Combination | Max | X | 0.82% | 101 | 0 | 15.6 | 5.88 |
| STORY2 | SDD3 | Combination | Min | X | 0.83% | 101 | 0 | 15.6 | 5.88 |
| STORY2 | SDD4 | Combination | Max | Y | 0.56% | 8 | 0 | 0 | 5.88 |
| STORY2 | SDD4 | Combination | Min | Y | 0.56% | 8 | 0 | 0 | 5.88 |

**Máxima deriva en X = 0.9845%**

**Máxima deriva en Y = 0.975%**

# 4. Diseño de columnas

**Identificación de las columnas:**

Calendario

Descripción generada automáticamente

**Figura 15. Identificacion de columnas.**

A continuación, se presenta el diseño de las columnas.

| **Top/ Bottom** | **Label** | **Nombre** | **Story** | **f'c [kgf/cm²]** | **Sección** | **Acero Requerido [cm²]** | **rho R** | **Acero Asignado [cm²]** | **rho A** | **%Ref** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Top | C1 | C-A1 | STORY22 | 210 | C110X80X40X40LH210 | 60 | 1% | 87.56 | 1.46% | 145.93% |
| Botton | C1 | C-A1 | STORY22 | 210 | C110X80X40X40LH210 | 60 | 1% | 75.99 | 1.27% | 126.65% |
| Top | C1 | C-A1 | STORY21 | 210 | C110X80X40X40LH210 | 60 | 1% | 75.99 | 1.27% | 126.65% |
| Botton | C1 | C-A1 | STORY21 | 210 | C110X80X40X40LH210 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C1 | C-A1 | STORY20 | 210 | C110X80X40X40LH210 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C1 | C-A1 | STORY20 | 210 | C110X80X40X40LH210 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C1 | C-A1 | STORY19 | 210 | C110X80X40X40LH210 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C1 | C-A1 | STORY19 | 210 | C110X80X40X40LH210 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C1 | C-A1 | STORY18 | 210 | C110X80X40X40LH210 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C1 | C-A1 | STORY18 | 210 | C110X80X40X40LH210 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C1 | C-A1 | STORY17 | 280 | C110X80X40X40LH280 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C1 | C-A1 | STORY17 | 280 | C110X80X40X40LH280 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C1 | C-A1 | STORY16 | 280 | C110X80X40X40LH280 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C1 | C-A1 | STORY16 | 280 | C110X80X40X40LH280 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C1 | C-A1 | STORY15 | 280 | C110X80X40X40LH280 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C1 | C-A1 | STORY15 | 280 | C110X80X40X40LH280 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C1 | C-A1 | STORY14 | 280 | C110X80X40X40LH280 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C1 | C-A1 | STORY14 | 280 | C110X80X40X40LH280 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C1 | C-A1 | STORY13 | 280 | C110X80X40X40LH280 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C1 | C-A1 | STORY13 | 280 | C110X80X40X40LH280 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C1 | C-A1 | STORY12 | 280 | C110X80X40X40LH280 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C1 | C-A1 | STORY12 | 280 | C110X80X40X40LH280 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C1 | C-A1 | STORY11 | 350 | C110X80X40X40LH350 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C1 | C-A1 | STORY11 | 350 | C110X80X40X40LH350 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C1 | C-A1 | STORY10 | 350 | C110X80X40X40LH350 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C1 | C-A1 | STORY10 | 350 | C110X80X40X40LH350 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C1 | C-A1 | STORY9 | 350 | C110X80X40X40LH350 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C1 | C-A1 | STORY9 | 350 | C110X80X40X40LH350 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C1 | C-A1 | STORY8 | 350 | C110X80X40X40LH350 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C1 | C-A1 | STORY8 | 350 | C110X80X40X40LH350 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C1 | C-A1 | STORY7 | 350 | C110X80X40X40LH350 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C1 | C-A1 | STORY7 | 350 | C110X80X40X40LH350 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C1 | C-A1 | STORY6 | 350 | C110X80X40X40LH350 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C1 | C-A1 | STORY6 | 350 | C110X80X40X40LH350 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C1 | C-A1 | STORY5 | 420 | C110X80X40X40LH420 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C1 | C-A1 | STORY5 | 420 | C110X80X40X40LH420 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C1 | C-A1 | STORY4 | 420 | C110X80X40X40LH420 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C1 | C-A1 | STORY4 | 420 | C110X80X40X40LH420 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C1 | C-A1 | STORY3 | 420 | C110X80X40X40LH420 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C1 | C-A1 | STORY3 | 420 | C110X80X40X40LH420 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C1 | C-A1 | STORY2 | 420 | C110X80X40X40LH420 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C1 | C-A1 | STORY2 | 420 | C110X80X40X40LH420 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C1 | C-A1 | STORY1 | 420 | C110X80X40X40LH420 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C1 | C-A1 | STORY1 | 420 | C110X80X40X40LH420 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C10 | C-B3 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C10 | C-B3 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C10 | C-B3 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C10 | C-B3 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C10 | C-B3 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C10 | C-B3 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C10 | C-B3 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C10 | C-B3 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C10 | C-B3 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C10 | C-B3 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C10 | C-B3 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C10 | C-B3 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C10 | C-B3 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C10 | C-B3 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C10 | C-B3 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C10 | C-B3 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C10 | C-B3 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C10 | C-B3 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C10 | C-B3 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C10 | C-B3 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C10 | C-B3 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C10 | C-B3 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C10 | C-B3 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C10 | C-B3 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C10 | C-B3 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C10 | C-B3 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C10 | C-B3 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C10 | C-B3 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C10 | C-B3 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C10 | C-B3 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C10 | C-B3 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C10 | C-B3 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C10 | C-B3 | STORY6 | 350 | C40X120H350 | 48 | 1% | 92.04 | 1.92% | 191.75% |
| Botton | C10 | C-B3 | STORY6 | 350 | C40X120H350 | 48 | 1% | 70.17 | 1.46% | 146.19% |
| Top | C10 | C-B3 | STORY5 | 420 | C40X120H420 | 48 | 1% | 70.17 | 1.46% | 146.19% |
| Botton | C10 | C-B3 | STORY5 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C10 | C-B3 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C10 | C-B3 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C10 | C-B3 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C10 | C-B3 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C10 | C-B3 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C10 | C-B3 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C10 | C-B3 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C10 | C-B3 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C11 | C-C3 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C11 | C-C3 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C11 | C-C3 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C11 | C-C3 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C11 | C-C3 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C11 | C-C3 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C11 | C-C3 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C11 | C-C3 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C11 | C-C3 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C11 | C-C3 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C11 | C-C3 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C11 | C-C3 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C11 | C-C3 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C11 | C-C3 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C11 | C-C3 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C11 | C-C3 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C11 | C-C3 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C11 | C-C3 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C11 | C-C3 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C11 | C-C3 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C11 | C-C3 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C11 | C-C3 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C11 | C-C3 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C11 | C-C3 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C11 | C-C3 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C11 | C-C3 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C11 | C-C3 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C11 | C-C3 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C11 | C-C3 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C11 | C-C3 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C11 | C-C3 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C11 | C-C3 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C11 | C-C3 | STORY6 | 350 | C40X120H350 | 48 | 1% | 92.04 | 1.92% | 191.75% |
| Botton | C11 | C-C3 | STORY6 | 350 | C40X120H350 | 48 | 1% | 70.17 | 1.46% | 146.19% |
| Top | C11 | C-C3 | STORY5 | 420 | C40X120H420 | 48 | 1% | 70.17 | 1.46% | 146.19% |
| Botton | C11 | C-C3 | STORY5 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C11 | C-C3 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C11 | C-C3 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C11 | C-C3 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C11 | C-C3 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C11 | C-C3 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C11 | C-C3 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C11 | C-C3 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C11 | C-C3 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C12 | C-D3 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C12 | C-D3 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C12 | C-D3 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C12 | C-D3 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C12 | C-D3 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C12 | C-D3 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C12 | C-D3 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C12 | C-D3 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C12 | C-D3 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C12 | C-D3 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C12 | C-D3 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C12 | C-D3 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C12 | C-D3 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C12 | C-D3 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C12 | C-D3 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C12 | C-D3 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C12 | C-D3 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C12 | C-D3 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C12 | C-D3 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C12 | C-D3 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C12 | C-D3 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C12 | C-D3 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C12 | C-D3 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C12 | C-D3 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C12 | C-D3 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C12 | C-D3 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C12 | C-D3 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C12 | C-D3 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C12 | C-D3 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C12 | C-D3 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C12 | C-D3 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C12 | C-D3 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C12 | C-D3 | STORY6 | 350 | C40X120H350 | 48 | 1% | 92.04 | 1.92% | 191.75% |
| Botton | C12 | C-D3 | STORY6 | 350 | C40X120H350 | 48 | 1% | 70.17 | 1.46% | 146.19% |
| Top | C12 | C-D3 | STORY5 | 420 | C40X120H420 | 48 | 1% | 70.17 | 1.46% | 146.19% |
| Botton | C12 | C-D3 | STORY5 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C12 | C-D3 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C12 | C-D3 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C12 | C-D3 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C12 | C-D3 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C12 | C-D3 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C12 | C-D3 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C12 | C-D3 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C12 | C-D3 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C13 | C-A4 | STORY22 | 210 | C100X40H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C13 | C-A4 | STORY22 | 210 | C100X40H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C13 | C-A4 | STORY21 | 210 | C100X40H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C13 | C-A4 | STORY21 | 210 | C100X40H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C13 | C-A4 | STORY20 | 210 | C100X40H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C13 | C-A4 | STORY20 | 210 | C100X40H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C13 | C-A4 | STORY19 | 210 | C100X40H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C13 | C-A4 | STORY19 | 210 | C100X40H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C13 | C-A4 | STORY18 | 210 | C100X40H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C13 | C-A4 | STORY18 | 210 | C100X40H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C13 | C-A4 | STORY17 | 280 | C100X40H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C13 | C-A4 | STORY17 | 280 | C100X40H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C13 | C-A4 | STORY16 | 280 | C100X40H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C13 | C-A4 | STORY16 | 280 | C100X40H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C13 | C-A4 | STORY15 | 280 | C100X40H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C13 | C-A4 | STORY15 | 280 | C100X40H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C13 | C-A4 | STORY14 | 280 | C100X40H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C13 | C-A4 | STORY14 | 280 | C100X40H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C13 | C-A4 | STORY13 | 280 | C100X40H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C13 | C-A4 | STORY13 | 280 | C100X40H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C13 | C-A4 | STORY12 | 280 | C100X40H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C13 | C-A4 | STORY12 | 280 | C100X40H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C13 | C-A4 | STORY11 | 350 | C100X40H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C13 | C-A4 | STORY11 | 350 | C100X40H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C13 | C-A4 | STORY10 | 350 | C100X40H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C13 | C-A4 | STORY10 | 350 | C100X40H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C13 | C-A4 | STORY9 | 350 | C100X40H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C13 | C-A4 | STORY9 | 350 | C100X40H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C13 | C-A4 | STORY8 | 350 | C100X40H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C13 | C-A4 | STORY8 | 350 | C100X40H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C13 | C-A4 | STORY7 | 350 | C100X40H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C13 | C-A4 | STORY7 | 350 | C100X40H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C13 | C-A4 | STORY6 | 350 | C120X40H350 | 48 | 1% | 88.64 | 1.85% | 184.67% |
| Botton | C13 | C-A4 | STORY6 | 350 | C120X40H350 | 48 | 1% | 68.47 | 1.43% | 142.65% |
| Top | C13 | C-A4 | STORY5 | 420 | C120X40H420 | 48 | 1% | 68.47 | 1.43% | 142.65% |
| Botton | C13 | C-A4 | STORY5 | 420 | C120X40H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C13 | C-A4 | STORY4 | 420 | C120X40H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C13 | C-A4 | STORY4 | 420 | C120X40H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C13 | C-A4 | STORY3 | 420 | C120X40H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C13 | C-A4 | STORY3 | 420 | C120X40H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C13 | C-A4 | STORY2 | 420 | C120X40H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C13 | C-A4 | STORY2 | 420 | C120X40H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C13 | C-A4 | STORY1 | 420 | C120X40H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C13 | C-A4 | STORY1 | 420 | C120X40H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C14 | C-B4 | STORY22 | 210 | C100X40H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C14 | C-B4 | STORY22 | 210 | C100X40H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C14 | C-B4 | STORY21 | 210 | C100X40H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C14 | C-B4 | STORY21 | 210 | C100X40H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C14 | C-B4 | STORY20 | 210 | C100X40H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C14 | C-B4 | STORY20 | 210 | C100X40H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C14 | C-B4 | STORY19 | 210 | C100X40H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C14 | C-B4 | STORY19 | 210 | C100X40H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C14 | C-B4 | STORY18 | 210 | C100X40H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C14 | C-B4 | STORY18 | 210 | C100X40H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C14 | C-B4 | STORY17 | 280 | C100X40H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C14 | C-B4 | STORY17 | 280 | C100X40H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C14 | C-B4 | STORY16 | 280 | C100X40H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C14 | C-B4 | STORY16 | 280 | C100X40H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C14 | C-B4 | STORY15 | 280 | C100X40H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C14 | C-B4 | STORY15 | 280 | C100X40H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C14 | C-B4 | STORY14 | 280 | C100X40H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C14 | C-B4 | STORY14 | 280 | C100X40H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C14 | C-B4 | STORY13 | 280 | C100X40H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C14 | C-B4 | STORY13 | 280 | C100X40H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C14 | C-B4 | STORY12 | 280 | C100X40H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C14 | C-B4 | STORY12 | 280 | C100X40H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C14 | C-B4 | STORY11 | 350 | C100X40H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C14 | C-B4 | STORY11 | 350 | C100X40H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C14 | C-B4 | STORY10 | 350 | C100X40H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C14 | C-B4 | STORY10 | 350 | C100X40H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C14 | C-B4 | STORY9 | 350 | C100X40H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C14 | C-B4 | STORY9 | 350 | C100X40H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C14 | C-B4 | STORY8 | 350 | C100X40H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C14 | C-B4 | STORY8 | 350 | C100X40H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C14 | C-B4 | STORY7 | 350 | C100X40H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C14 | C-B4 | STORY7 | 350 | C100X40H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C14 | C-B4 | STORY6 | 350 | C120X45H350 | 54 | 1% | 93.74 | 1.74% | 173.59% |
| Botton | C14 | C-B4 | STORY6 | 350 | C120X45H350 | 54 | 1% | 73.57 | 1.36% | 136.24% |
| Top | C14 | C-B4 | STORY5 | 420 | C120X45H420 | 54 | 1% | 73.57 | 1.36% | 136.24% |
| Botton | C14 | C-B4 | STORY5 | 420 | C120X45H420 | 54 | 1% | 53.4 | 0.99% | 98.89% |
| Top | C14 | C-B4 | STORY4 | 420 | C120X45H420 | 54 | 1% | 53.4 | 0.99% | 98.89% |
| Botton | C14 | C-B4 | STORY4 | 420 | C120X45H420 | 54 | 1% | 53.4 | 0.99% | 98.89% |
| Top | C14 | C-B4 | STORY3 | 420 | C120X45H420 | 54 | 1% | 53.4 | 0.99% | 98.89% |
| Botton | C14 | C-B4 | STORY3 | 420 | C120X45H420 | 54 | 1% | 53.4 | 0.99% | 98.89% |
| Top | C14 | C-B4 | STORY2 | 420 | C120X45H420 | 54 | 1% | 53.4 | 0.99% | 98.89% |
| Botton | C14 | C-B4 | STORY2 | 420 | C120X45H420 | 54 | 1% | 53.4 | 0.99% | 98.89% |
| Top | C14 | C-B4 | STORY1 | 420 | C120X45H420 | 54 | 1% | 53.4 | 0.99% | 98.89% |
| Botton | C14 | C-B4 | STORY1 | 420 | C120X45H420 | 54 | 1% | 53.4 | 0.99% | 98.89% |
| Top | C15 | C-C4 | STORY22 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C15 | C-C4 | STORY22 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C15 | C-C4 | STORY21 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C15 | C-C4 | STORY21 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C15 | C-C4 | STORY20 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C15 | C-C4 | STORY20 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C15 | C-C4 | STORY19 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C15 | C-C4 | STORY19 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C15 | C-C4 | STORY18 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C15 | C-C4 | STORY18 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C15 | C-C4 | STORY17 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C15 | C-C4 | STORY17 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C15 | C-C4 | STORY16 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C15 | C-C4 | STORY16 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C15 | C-C4 | STORY15 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C15 | C-C4 | STORY15 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C15 | C-C4 | STORY14 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C15 | C-C4 | STORY14 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C15 | C-C4 | STORY13 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C15 | C-C4 | STORY13 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C15 | C-C4 | STORY12 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C15 | C-C4 | STORY12 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C15 | C-C4 | STORY11 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C15 | C-C4 | STORY11 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C15 | C-C4 | STORY10 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C15 | C-C4 | STORY10 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C15 | C-C4 | STORY9 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C15 | C-C4 | STORY9 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C15 | C-C4 | STORY8 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C15 | C-C4 | STORY8 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C15 | C-C4 | STORY7 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C15 | C-C4 | STORY7 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C15 | C-C4 | STORY6 | 350 | C40X120H350 | 48 | 1% | 88.64 | 1.85% | 184.67% |
| Botton | C15 | C-C4 | STORY6 | 350 | C40X120H350 | 48 | 1% | 68.47 | 1.43% | 142.65% |
| Top | C15 | C-C4 | STORY5 | 420 | C40X120H420 | 48 | 1% | 68.47 | 1.43% | 142.65% |
| Botton | C15 | C-C4 | STORY5 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C15 | C-C4 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C15 | C-C4 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C15 | C-C4 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C15 | C-C4 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C15 | C-C4 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C15 | C-C4 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C15 | C-C4 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C15 | C-C4 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C16 | C-D4 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C16 | C-D4 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C16 | C-D4 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C16 | C-D4 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C16 | C-D4 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C16 | C-D4 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C16 | C-D4 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C16 | C-D4 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C16 | C-D4 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C16 | C-D4 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C16 | C-D4 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C16 | C-D4 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C16 | C-D4 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C16 | C-D4 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C16 | C-D4 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C16 | C-D4 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C16 | C-D4 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C16 | C-D4 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C16 | C-D4 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C16 | C-D4 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C16 | C-D4 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C16 | C-D4 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C16 | C-D4 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C16 | C-D4 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C16 | C-D4 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C16 | C-D4 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C16 | C-D4 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C16 | C-D4 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C16 | C-D4 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C16 | C-D4 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C16 | C-D4 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C16 | C-D4 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C16 | C-D4 | STORY6 | 350 | C40X120H350 | 48 | 1% | 92.04 | 1.92% | 191.75% |
| Botton | C16 | C-D4 | STORY6 | 350 | C40X120H350 | 48 | 1% | 70.17 | 1.46% | 146.19% |
| Top | C16 | C-D4 | STORY5 | 420 | C40X120H420 | 48 | 1% | 70.17 | 1.46% | 146.19% |
| Botton | C16 | C-D4 | STORY5 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C16 | C-D4 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C16 | C-D4 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C16 | C-D4 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C16 | C-D4 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C16 | C-D4 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C16 | C-D4 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C16 | C-D4 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C16 | C-D4 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C17 | C-A5 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C17 | C-A5 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C17 | C-A5 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C17 | C-A5 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C17 | C-A5 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C17 | C-A5 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C17 | C-A5 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C17 | C-A5 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C17 | C-A5 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C17 | C-A5 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C17 | C-A5 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C17 | C-A5 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C17 | C-A5 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C17 | C-A5 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C17 | C-A5 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C17 | C-A5 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C17 | C-A5 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C17 | C-A5 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C17 | C-A5 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C17 | C-A5 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C17 | C-A5 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C17 | C-A5 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C17 | C-A5 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C17 | C-A5 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C17 | C-A5 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C17 | C-A5 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C17 | C-A5 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C17 | C-A5 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C17 | C-A5 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C17 | C-A5 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C17 | C-A5 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C17 | C-A5 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C17 | C-A5 | STORY6 | 350 | C40X120H350 | 48 | 1% | 92.04 | 1.92% | 191.75% |
| Botton | C17 | C-A5 | STORY6 | 350 | C40X120H350 | 48 | 1% | 70.17 | 1.46% | 146.19% |
| Top | C17 | C-A5 | STORY5 | 420 | C40X120H420 | 48 | 1% | 70.17 | 1.46% | 146.19% |
| Botton | C17 | C-A5 | STORY5 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C17 | C-A5 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C17 | C-A5 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C17 | C-A5 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C17 | C-A5 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C17 | C-A5 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C17 | C-A5 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C17 | C-A5 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C17 | C-A5 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C18 | C-B5 | STORY22 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C18 | C-B5 | STORY22 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C18 | C-B5 | STORY21 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C18 | C-B5 | STORY21 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C18 | C-B5 | STORY20 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C18 | C-B5 | STORY20 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C18 | C-B5 | STORY19 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C18 | C-B5 | STORY19 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C18 | C-B5 | STORY18 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C18 | C-B5 | STORY18 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C18 | C-B5 | STORY17 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C18 | C-B5 | STORY17 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C18 | C-B5 | STORY16 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C18 | C-B5 | STORY16 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C18 | C-B5 | STORY15 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C18 | C-B5 | STORY15 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C18 | C-B5 | STORY14 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C18 | C-B5 | STORY14 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C18 | C-B5 | STORY13 | 280 | C45X100H280 | 45 | 1% | 85.78 | 1.91% | 190.62% |
| Botton | C18 | C-B5 | STORY13 | 280 | C45X100H280 | 45 | 1% | 65.61 | 1.46% | 145.8% |
| Top | C18 | C-B5 | STORY12 | 280 | C45X100H280 | 45 | 1% | 65.61 | 1.46% | 145.8% |
| Botton | C18 | C-B5 | STORY12 | 280 | C45X100H280 | 45 | 1% | 45.44 | 1.01% | 100.98% |
| Top | C18 | C-B5 | STORY11 | 350 | C45X100H350 | 45 | 1% | 45.44 | 1.01% | 100.98% |
| Botton | C18 | C-B5 | STORY11 | 350 | C45X100H350 | 45 | 1% | 45.44 | 1.01% | 100.98% |
| Top | C18 | C-B5 | STORY10 | 350 | C45X100H350 | 45 | 1% | 45.44 | 1.01% | 100.98% |
| Botton | C18 | C-B5 | STORY10 | 350 | C45X100H350 | 45 | 1% | 45.44 | 1.01% | 100.98% |
| Top | C18 | C-B5 | STORY9 | 350 | C45X100H350 | 45 | 1% | 45.44 | 1.01% | 100.98% |
| Botton | C18 | C-B5 | STORY9 | 350 | C45X100H350 | 45 | 1% | 45.44 | 1.01% | 100.98% |
| Top | C18 | C-B5 | STORY8 | 350 | C45X100H350 | 45 | 1% | 45.44 | 1.01% | 100.98% |
| Botton | C18 | C-B5 | STORY8 | 350 | C45X100H350 | 45 | 1% | 45.44 | 1.01% | 100.98% |
| Top | C18 | C-B5 | STORY7 | 350 | C45X100H350 | 45 | 1% | 45.44 | 1.01% | 100.98% |
| Botton | C18 | C-B5 | STORY7 | 350 | C45X100H350 | 45 | 1% | 45.44 | 1.01% | 100.98% |
| Top | C18 | C-B5 | STORY6 | 350 | C45X120H350 | 54 | 1% | 98.84 | 1.83% | 183.04% |
| Botton | C18 | C-B5 | STORY6 | 350 | C45X120H350 | 54 | 1% | 76.12 | 1.41% | 140.96% |
| Top | C18 | C-B5 | STORY5 | 420 | C45X120H420 | 54 | 1% | 76.12 | 1.41% | 140.96% |
| Botton | C18 | C-B5 | STORY5 | 420 | C45X120H420 | 54 | 1% | 53.4 | 0.99% | 98.89% |
| Top | C18 | C-B5 | STORY4 | 420 | C45X120H420 | 54 | 1% | 53.4 | 0.99% | 98.89% |
| Botton | C18 | C-B5 | STORY4 | 420 | C45X120H420 | 54 | 1% | 53.4 | 0.99% | 98.89% |
| Top | C18 | C-B5 | STORY3 | 420 | C45X120H420 | 54 | 1% | 53.4 | 0.99% | 98.89% |
| Botton | C18 | C-B5 | STORY3 | 420 | C45X120H420 | 54 | 1% | 53.4 | 0.99% | 98.89% |
| Top | C18 | C-B5 | STORY2 | 420 | C45X120H420 | 54 | 1% | 53.4 | 0.99% | 98.89% |
| Botton | C18 | C-B5 | STORY2 | 420 | C45X120H420 | 54 | 1% | 53.4 | 0.99% | 98.89% |
| Top | C18 | C-B5 | STORY1 | 420 | C45X120H420 | 54 | 1% | 53.4 | 0.99% | 98.89% |
| Botton | C18 | C-B5 | STORY1 | 420 | C45X120H420 | 54 | 1% | 53.4 | 0.99% | 98.89% |
| Top | C19 | C-C5 | STORY22 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C19 | C-C5 | STORY22 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C19 | C-C5 | STORY21 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C19 | C-C5 | STORY21 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C19 | C-C5 | STORY20 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C19 | C-C5 | STORY20 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C19 | C-C5 | STORY19 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C19 | C-C5 | STORY19 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C19 | C-C5 | STORY18 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C19 | C-C5 | STORY18 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C19 | C-C5 | STORY17 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C19 | C-C5 | STORY17 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C19 | C-C5 | STORY16 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C19 | C-C5 | STORY16 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C19 | C-C5 | STORY15 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C19 | C-C5 | STORY15 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C19 | C-C5 | STORY14 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C19 | C-C5 | STORY14 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C19 | C-C5 | STORY13 | 280 | C45X100H280 | 45 | 1% | 85.78 | 1.91% | 190.62% |
| Botton | C19 | C-C5 | STORY13 | 280 | C45X100H280 | 45 | 1% | 65.61 | 1.46% | 145.8% |
| Top | C19 | C-C5 | STORY12 | 280 | C45X100H280 | 45 | 1% | 65.61 | 1.46% | 145.8% |
| Botton | C19 | C-C5 | STORY12 | 280 | C45X100H280 | 45 | 1% | 45.44 | 1.01% | 100.98% |
| Top | C19 | C-C5 | STORY11 | 350 | C45X100H350 | 45 | 1% | 45.44 | 1.01% | 100.98% |
| Botton | C19 | C-C5 | STORY11 | 350 | C45X100H350 | 45 | 1% | 45.44 | 1.01% | 100.98% |
| Top | C19 | C-C5 | STORY10 | 350 | C45X100H350 | 45 | 1% | 45.44 | 1.01% | 100.98% |
| Botton | C19 | C-C5 | STORY10 | 350 | C45X100H350 | 45 | 1% | 45.44 | 1.01% | 100.98% |
| Top | C19 | C-C5 | STORY9 | 350 | C45X100H350 | 45 | 1% | 45.44 | 1.01% | 100.98% |
| Botton | C19 | C-C5 | STORY9 | 350 | C45X100H350 | 45 | 1% | 45.44 | 1.01% | 100.98% |
| Top | C19 | C-C5 | STORY8 | 350 | C45X100H350 | 45 | 1% | 45.44 | 1.01% | 100.98% |
| Botton | C19 | C-C5 | STORY8 | 350 | C45X100H350 | 45 | 1% | 45.44 | 1.01% | 100.98% |
| Top | C19 | C-C5 | STORY7 | 350 | C45X100H350 | 45 | 1% | 45.44 | 1.01% | 100.98% |
| Botton | C19 | C-C5 | STORY7 | 350 | C45X100H350 | 45 | 1% | 45.44 | 1.01% | 100.98% |
| Top | C19 | C-C5 | STORY6 | 350 | C45X120H350 | 54 | 1% | 98.84 | 1.83% | 183.04% |
| Botton | C19 | C-C5 | STORY6 | 350 | C45X120H350 | 54 | 1% | 76.12 | 1.41% | 140.96% |
| Top | C19 | C-C5 | STORY5 | 420 | C45X120H420 | 54 | 1% | 76.12 | 1.41% | 140.96% |
| Botton | C19 | C-C5 | STORY5 | 420 | C45X120H420 | 54 | 1% | 53.4 | 0.99% | 98.89% |
| Top | C19 | C-C5 | STORY4 | 420 | C45X120H420 | 54 | 1% | 53.4 | 0.99% | 98.89% |
| Botton | C19 | C-C5 | STORY4 | 420 | C45X120H420 | 54 | 1% | 53.4 | 0.99% | 98.89% |
| Top | C19 | C-C5 | STORY3 | 420 | C45X120H420 | 54 | 1% | 53.4 | 0.99% | 98.89% |
| Botton | C19 | C-C5 | STORY3 | 420 | C45X120H420 | 54 | 1% | 53.4 | 0.99% | 98.89% |
| Top | C19 | C-C5 | STORY2 | 420 | C45X120H420 | 54 | 1% | 53.4 | 0.99% | 98.89% |
| Botton | C19 | C-C5 | STORY2 | 420 | C45X120H420 | 54 | 1% | 53.4 | 0.99% | 98.89% |
| Top | C19 | C-C5 | STORY1 | 420 | C45X120H420 | 54 | 1% | 53.4 | 0.99% | 98.89% |
| Botton | C19 | C-C5 | STORY1 | 420 | C45X120H420 | 54 | 1% | 53.4 | 0.99% | 98.89% |
| Top | C2 | C-D1 | STORY22 | 210 | C80X110X40X40LH210 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C2 | C-D1 | STORY22 | 210 | C80X110X40X40LH210 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C2 | C-D1 | STORY21 | 210 | C80X110X40X40LH210 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C2 | C-D1 | STORY21 | 210 | C80X110X40X40LH210 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C2 | C-D1 | STORY20 | 210 | C80X110X40X40LH210 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C2 | C-D1 | STORY20 | 210 | C80X110X40X40LH210 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C2 | C-D1 | STORY19 | 210 | C80X110X40X40LH210 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C2 | C-D1 | STORY19 | 210 | C80X110X40X40LH210 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C2 | C-D1 | STORY18 | 210 | C80X110X40X40LH210 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C2 | C-D1 | STORY18 | 210 | C80X110X40X40LH210 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C2 | C-D1 | STORY17 | 280 | C80X110X40X40LH280 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C2 | C-D1 | STORY17 | 280 | C80X110X40X40LH280 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C2 | C-D1 | STORY16 | 280 | C80X110X40X40LH280 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C2 | C-D1 | STORY16 | 280 | C80X110X40X40LH280 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C2 | C-D1 | STORY15 | 280 | C80X110X40X40LH280 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C2 | C-D1 | STORY15 | 280 | C80X110X40X40LH280 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C2 | C-D1 | STORY14 | 280 | C80X110X40X40LH280 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C2 | C-D1 | STORY14 | 280 | C80X110X40X40LH280 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C2 | C-D1 | STORY13 | 280 | C80X110X40X40LH280 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C2 | C-D1 | STORY13 | 280 | C80X110X40X40LH280 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C2 | C-D1 | STORY12 | 280 | C80X110X40X40LH280 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C2 | C-D1 | STORY12 | 280 | C80X110X40X40LH280 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C2 | C-D1 | STORY11 | 350 | C80X110X40X40LH350 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C2 | C-D1 | STORY11 | 350 | C80X110X40X40LH350 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C2 | C-D1 | STORY10 | 350 | C80X110X40X40LH350 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C2 | C-D1 | STORY10 | 350 | C80X110X40X40LH350 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C2 | C-D1 | STORY9 | 350 | C80X110X40X40LH350 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C2 | C-D1 | STORY9 | 350 | C80X110X40X40LH350 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C2 | C-D1 | STORY8 | 350 | C80X110X40X40LH350 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C2 | C-D1 | STORY8 | 350 | C80X110X40X40LH350 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C2 | C-D1 | STORY7 | 350 | C80X110X40X40LH350 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C2 | C-D1 | STORY7 | 350 | C80X110X40X40LH350 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C2 | C-D1 | STORY6 | 350 | C80X110X40X40LH350 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C2 | C-D1 | STORY6 | 350 | C80X110X40X40LH350 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C2 | C-D1 | STORY5 | 420 | C80X110X40X40LH420 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C2 | C-D1 | STORY5 | 420 | C80X110X40X40LH420 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C2 | C-D1 | STORY4 | 420 | C80X110X40X40LH420 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C2 | C-D1 | STORY4 | 420 | C80X110X40X40LH420 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C2 | C-D1 | STORY3 | 420 | C80X110X40X40LH420 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C2 | C-D1 | STORY3 | 420 | C80X110X40X40LH420 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C2 | C-D1 | STORY2 | 420 | C80X110X40X40LH420 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C2 | C-D1 | STORY2 | 420 | C80X110X40X40LH420 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C2 | C-D1 | STORY1 | 420 | C80X110X40X40LH420 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C2 | C-D1 | STORY1 | 420 | C80X110X40X40LH420 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C20 | C-D5 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C20 | C-D5 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C20 | C-D5 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C20 | C-D5 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C20 | C-D5 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C20 | C-D5 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C20 | C-D5 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C20 | C-D5 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C20 | C-D5 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C20 | C-D5 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C20 | C-D5 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C20 | C-D5 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C20 | C-D5 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C20 | C-D5 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C20 | C-D5 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C20 | C-D5 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C20 | C-D5 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C20 | C-D5 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C20 | C-D5 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C20 | C-D5 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C20 | C-D5 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C20 | C-D5 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C20 | C-D5 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C20 | C-D5 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C20 | C-D5 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C20 | C-D5 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C20 | C-D5 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C20 | C-D5 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C20 | C-D5 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C20 | C-D5 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C20 | C-D5 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C20 | C-D5 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C20 | C-D5 | STORY6 | 350 | C40X120H350 | 48 | 1% | 92.04 | 1.92% | 191.75% |
| Botton | C20 | C-D5 | STORY6 | 350 | C40X120H350 | 48 | 1% | 70.17 | 1.46% | 146.19% |
| Top | C20 | C-D5 | STORY5 | 420 | C40X120H420 | 48 | 1% | 70.17 | 1.46% | 146.19% |
| Botton | C20 | C-D5 | STORY5 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C20 | C-D5 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C20 | C-D5 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C20 | C-D5 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C20 | C-D5 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C20 | C-D5 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C20 | C-D5 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C20 | C-D5 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C20 | C-D5 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C21 | C-D6 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C21 | C-D6 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C21 | C-D6 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C21 | C-D6 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C21 | C-D6 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C21 | C-D6 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C21 | C-D6 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C21 | C-D6 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C21 | C-D6 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C21 | C-D6 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C21 | C-D6 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C21 | C-D6 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C21 | C-D6 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C21 | C-D6 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C21 | C-D6 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C21 | C-D6 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C21 | C-D6 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C21 | C-D6 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C21 | C-D6 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C21 | C-D6 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C21 | C-D6 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C21 | C-D6 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C21 | C-D6 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C21 | C-D6 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C21 | C-D6 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C21 | C-D6 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C21 | C-D6 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C21 | C-D6 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C21 | C-D6 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C21 | C-D6 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C21 | C-D6 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C21 | C-D6 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C21 | C-D6 | STORY6 | 350 | C40X120H350 | 48 | 1% | 92.04 | 1.92% | 191.75% |
| Botton | C21 | C-D6 | STORY6 | 350 | C40X120H350 | 48 | 1% | 70.17 | 1.46% | 146.19% |
| Top | C21 | C-D6 | STORY5 | 420 | C40X120H420 | 48 | 1% | 70.17 | 1.46% | 146.19% |
| Botton | C21 | C-D6 | STORY5 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C21 | C-D6 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C21 | C-D6 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C21 | C-D6 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C21 | C-D6 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C21 | C-D6 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C21 | C-D6 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C21 | C-D6 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C21 | C-D6 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C22 | C-C6 | STORY22 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C22 | C-C6 | STORY22 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C22 | C-C6 | STORY21 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C22 | C-C6 | STORY21 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C22 | C-C6 | STORY20 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C22 | C-C6 | STORY20 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C22 | C-C6 | STORY19 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C22 | C-C6 | STORY19 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C22 | C-C6 | STORY18 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C22 | C-C6 | STORY18 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C22 | C-C6 | STORY17 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C22 | C-C6 | STORY17 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C22 | C-C6 | STORY16 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C22 | C-C6 | STORY16 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C22 | C-C6 | STORY15 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C22 | C-C6 | STORY15 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C22 | C-C6 | STORY14 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C22 | C-C6 | STORY14 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C22 | C-C6 | STORY13 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C22 | C-C6 | STORY13 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C22 | C-C6 | STORY12 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C22 | C-C6 | STORY12 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C22 | C-C6 | STORY11 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C22 | C-C6 | STORY11 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C22 | C-C6 | STORY10 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C22 | C-C6 | STORY10 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C22 | C-C6 | STORY9 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C22 | C-C6 | STORY9 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C22 | C-C6 | STORY8 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C22 | C-C6 | STORY8 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C22 | C-C6 | STORY7 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C22 | C-C6 | STORY7 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C22 | C-C6 | STORY6 | 350 | C40X120H350 | 48 | 1% | 88.64 | 1.85% | 184.67% |
| Botton | C22 | C-C6 | STORY6 | 350 | C40X120H350 | 48 | 1% | 68.47 | 1.43% | 142.65% |
| Top | C22 | C-C6 | STORY5 | 420 | C40X120H420 | 48 | 1% | 68.47 | 1.43% | 142.65% |
| Botton | C22 | C-C6 | STORY5 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C22 | C-C6 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C22 | C-C6 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C22 | C-C6 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C22 | C-C6 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C22 | C-C6 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C22 | C-C6 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C22 | C-C6 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C22 | C-C6 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C23 | C-B6 | STORY22 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C23 | C-B6 | STORY22 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C23 | C-B6 | STORY21 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C23 | C-B6 | STORY21 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C23 | C-B6 | STORY20 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C23 | C-B6 | STORY20 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C23 | C-B6 | STORY19 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C23 | C-B6 | STORY19 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C23 | C-B6 | STORY18 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C23 | C-B6 | STORY18 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C23 | C-B6 | STORY17 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C23 | C-B6 | STORY17 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C23 | C-B6 | STORY16 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C23 | C-B6 | STORY16 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C23 | C-B6 | STORY15 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C23 | C-B6 | STORY15 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C23 | C-B6 | STORY14 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C23 | C-B6 | STORY14 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C23 | C-B6 | STORY13 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C23 | C-B6 | STORY13 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C23 | C-B6 | STORY12 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C23 | C-B6 | STORY12 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C23 | C-B6 | STORY11 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C23 | C-B6 | STORY11 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C23 | C-B6 | STORY10 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C23 | C-B6 | STORY10 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C23 | C-B6 | STORY9 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C23 | C-B6 | STORY9 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C23 | C-B6 | STORY8 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C23 | C-B6 | STORY8 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C23 | C-B6 | STORY7 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C23 | C-B6 | STORY7 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C23 | C-B6 | STORY6 | 350 | C40X120H350 | 48 | 1% | 88.64 | 1.85% | 184.67% |
| Botton | C23 | C-B6 | STORY6 | 350 | C40X120H350 | 48 | 1% | 68.47 | 1.43% | 142.65% |
| Top | C23 | C-B6 | STORY5 | 420 | C40X120H420 | 48 | 1% | 68.47 | 1.43% | 142.65% |
| Botton | C23 | C-B6 | STORY5 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C23 | C-B6 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C23 | C-B6 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C23 | C-B6 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C23 | C-B6 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C23 | C-B6 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C23 | C-B6 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C23 | C-B6 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C23 | C-B6 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C24 | C-A6 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C24 | C-A6 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C24 | C-A6 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C24 | C-A6 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C24 | C-A6 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C24 | C-A6 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C24 | C-A6 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C24 | C-A6 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C24 | C-A6 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C24 | C-A6 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C24 | C-A6 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C24 | C-A6 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C24 | C-A6 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C24 | C-A6 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C24 | C-A6 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C24 | C-A6 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C24 | C-A6 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C24 | C-A6 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C24 | C-A6 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C24 | C-A6 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C24 | C-A6 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C24 | C-A6 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C24 | C-A6 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C24 | C-A6 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C24 | C-A6 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C24 | C-A6 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C24 | C-A6 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C24 | C-A6 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C24 | C-A6 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C24 | C-A6 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C24 | C-A6 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C24 | C-A6 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C24 | C-A6 | STORY6 | 350 | C40X120H350 | 48 | 1% | 92.04 | 1.92% | 191.75% |
| Botton | C24 | C-A6 | STORY6 | 350 | C40X120H350 | 48 | 1% | 70.17 | 1.46% | 146.19% |
| Top | C24 | C-A6 | STORY5 | 420 | C40X120H420 | 48 | 1% | 70.17 | 1.46% | 146.19% |
| Botton | C24 | C-A6 | STORY5 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C24 | C-A6 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C24 | C-A6 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C24 | C-A6 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C24 | C-A6 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C24 | C-A6 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C24 | C-A6 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C24 | C-A6 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C24 | C-A6 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C25 | C-A7 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C25 | C-A7 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C25 | C-A7 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C25 | C-A7 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C25 | C-A7 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C25 | C-A7 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C25 | C-A7 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C25 | C-A7 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C25 | C-A7 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C25 | C-A7 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C25 | C-A7 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C25 | C-A7 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C25 | C-A7 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C25 | C-A7 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C25 | C-A7 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C25 | C-A7 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C25 | C-A7 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C25 | C-A7 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C25 | C-A7 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C25 | C-A7 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C25 | C-A7 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C25 | C-A7 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C25 | C-A7 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C25 | C-A7 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C25 | C-A7 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C25 | C-A7 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C25 | C-A7 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C25 | C-A7 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C25 | C-A7 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C25 | C-A7 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C25 | C-A7 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C25 | C-A7 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C25 | C-A7 | STORY6 | 350 | C40X120H350 | 48 | 1% | 92.04 | 1.92% | 191.75% |
| Botton | C25 | C-A7 | STORY6 | 350 | C40X120H350 | 48 | 1% | 70.17 | 1.46% | 146.19% |
| Top | C25 | C-A7 | STORY5 | 420 | C40X120H420 | 48 | 1% | 70.17 | 1.46% | 146.19% |
| Botton | C25 | C-A7 | STORY5 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C25 | C-A7 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C25 | C-A7 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C25 | C-A7 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C25 | C-A7 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C25 | C-A7 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C25 | C-A7 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C25 | C-A7 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C25 | C-A7 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C26 | C-B7 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C26 | C-B7 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C26 | C-B7 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C26 | C-B7 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C26 | C-B7 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C26 | C-B7 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C26 | C-B7 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C26 | C-B7 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C26 | C-B7 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C26 | C-B7 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C26 | C-B7 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C26 | C-B7 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C26 | C-B7 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C26 | C-B7 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C26 | C-B7 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C26 | C-B7 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C26 | C-B7 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C26 | C-B7 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C26 | C-B7 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C26 | C-B7 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C26 | C-B7 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C26 | C-B7 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C26 | C-B7 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C26 | C-B7 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C26 | C-B7 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C26 | C-B7 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C26 | C-B7 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C26 | C-B7 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C26 | C-B7 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C26 | C-B7 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C26 | C-B7 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C26 | C-B7 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C26 | C-B7 | STORY6 | 350 | C40X120H350 | 48 | 1% | 92.04 | 1.92% | 191.75% |
| Botton | C26 | C-B7 | STORY6 | 350 | C40X120H350 | 48 | 1% | 70.17 | 1.46% | 146.19% |
| Top | C26 | C-B7 | STORY5 | 420 | C40X120H420 | 48 | 1% | 70.17 | 1.46% | 146.19% |
| Botton | C26 | C-B7 | STORY5 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C26 | C-B7 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C26 | C-B7 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C26 | C-B7 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C26 | C-B7 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C26 | C-B7 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C26 | C-B7 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C26 | C-B7 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C26 | C-B7 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C27 | C-C7 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C27 | C-C7 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C27 | C-C7 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C27 | C-C7 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C27 | C-C7 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C27 | C-C7 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C27 | C-C7 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C27 | C-C7 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C27 | C-C7 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C27 | C-C7 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C27 | C-C7 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C27 | C-C7 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C27 | C-C7 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C27 | C-C7 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C27 | C-C7 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C27 | C-C7 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C27 | C-C7 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C27 | C-C7 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C27 | C-C7 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C27 | C-C7 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C27 | C-C7 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C27 | C-C7 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C27 | C-C7 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C27 | C-C7 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C27 | C-C7 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C27 | C-C7 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C27 | C-C7 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C27 | C-C7 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C27 | C-C7 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C27 | C-C7 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C27 | C-C7 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C27 | C-C7 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C27 | C-C7 | STORY6 | 350 | C40X120H350 | 48 | 1% | 92.04 | 1.92% | 191.75% |
| Botton | C27 | C-C7 | STORY6 | 350 | C40X120H350 | 48 | 1% | 70.17 | 1.46% | 146.19% |
| Top | C27 | C-C7 | STORY5 | 420 | C40X120H420 | 48 | 1% | 70.17 | 1.46% | 146.19% |
| Botton | C27 | C-C7 | STORY5 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C27 | C-C7 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C27 | C-C7 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C27 | C-C7 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C27 | C-C7 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C27 | C-C7 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C27 | C-C7 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C27 | C-C7 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C27 | C-C7 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C28 | C-D7 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C28 | C-D7 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C28 | C-D7 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C28 | C-D7 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C28 | C-D7 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C28 | C-D7 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C28 | C-D7 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C28 | C-D7 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C28 | C-D7 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C28 | C-D7 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C28 | C-D7 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C28 | C-D7 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C28 | C-D7 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C28 | C-D7 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C28 | C-D7 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C28 | C-D7 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C28 | C-D7 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C28 | C-D7 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C28 | C-D7 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C28 | C-D7 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C28 | C-D7 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C28 | C-D7 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C28 | C-D7 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C28 | C-D7 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C28 | C-D7 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C28 | C-D7 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C28 | C-D7 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C28 | C-D7 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C28 | C-D7 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C28 | C-D7 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C28 | C-D7 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C28 | C-D7 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C28 | C-D7 | STORY6 | 350 | C40X120H350 | 48 | 1% | 92.04 | 1.92% | 191.75% |
| Botton | C28 | C-D7 | STORY6 | 350 | C40X120H350 | 48 | 1% | 70.17 | 1.46% | 146.19% |
| Top | C28 | C-D7 | STORY5 | 420 | C40X120H420 | 48 | 1% | 70.17 | 1.46% | 146.19% |
| Botton | C28 | C-D7 | STORY5 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C28 | C-D7 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C28 | C-D7 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C28 | C-D7 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C28 | C-D7 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C28 | C-D7 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C28 | C-D7 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C28 | C-D7 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C28 | C-D7 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C29 | C-D8 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C29 | C-D8 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C29 | C-D8 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C29 | C-D8 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C29 | C-D8 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C29 | C-D8 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C29 | C-D8 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C29 | C-D8 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C29 | C-D8 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C29 | C-D8 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C29 | C-D8 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C29 | C-D8 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C29 | C-D8 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C29 | C-D8 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C29 | C-D8 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C29 | C-D8 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C29 | C-D8 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C29 | C-D8 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C29 | C-D8 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C29 | C-D8 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C29 | C-D8 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C29 | C-D8 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C29 | C-D8 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C29 | C-D8 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C29 | C-D8 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C29 | C-D8 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C29 | C-D8 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C29 | C-D8 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C29 | C-D8 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C29 | C-D8 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C29 | C-D8 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C29 | C-D8 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C29 | C-D8 | STORY6 | 350 | C40X140H350 | 56 | 1% | 99.42 | 1.78% | 177.54% |
| Botton | C29 | C-D8 | STORY6 | 350 | C40X140H350 | 56 | 1% | 77.55 | 1.38% | 138.48% |
| Top | C29 | C-D8 | STORY5 | 420 | C40X140H420 | 56 | 1% | 77.55 | 1.38% | 138.48% |
| Botton | C29 | C-D8 | STORY5 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Top | C29 | C-D8 | STORY4 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Botton | C29 | C-D8 | STORY4 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Top | C29 | C-D8 | STORY3 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Botton | C29 | C-D8 | STORY3 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Top | C29 | C-D8 | STORY2 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Botton | C29 | C-D8 | STORY2 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Top | C29 | C-D8 | STORY1 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Botton | C29 | C-D8 | STORY1 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Top | C3 | C-C1 | STORY22 | 210 | C40X100H210 | 44.94 | 1.12% | 40.34 | 1.01% | 89.76% |
| Botton | C3 | C-C1 | STORY22 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C3 | C-C1 | STORY21 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C3 | C-C1 | STORY21 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C3 | C-C1 | STORY20 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C3 | C-C1 | STORY20 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C3 | C-C1 | STORY19 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C3 | C-C1 | STORY19 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C3 | C-C1 | STORY18 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C3 | C-C1 | STORY18 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C3 | C-C1 | STORY17 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C3 | C-C1 | STORY17 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C3 | C-C1 | STORY16 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C3 | C-C1 | STORY16 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C3 | C-C1 | STORY15 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C3 | C-C1 | STORY15 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C3 | C-C1 | STORY14 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C3 | C-C1 | STORY14 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C3 | C-C1 | STORY13 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C3 | C-C1 | STORY13 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C3 | C-C1 | STORY12 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C3 | C-C1 | STORY12 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C3 | C-C1 | STORY11 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C3 | C-C1 | STORY11 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C3 | C-C1 | STORY10 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C3 | C-C1 | STORY10 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C3 | C-C1 | STORY9 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C3 | C-C1 | STORY9 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C3 | C-C1 | STORY8 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C3 | C-C1 | STORY8 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C3 | C-C1 | STORY7 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C3 | C-C1 | STORY7 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C3 | C-C1 | STORY6 | 350 | C40X120H350 | 48 | 1% | 88.64 | 1.85% | 184.67% |
| Botton | C3 | C-C1 | STORY6 | 350 | C40X120H350 | 48 | 1% | 68.47 | 1.43% | 142.65% |
| Top | C3 | C-C1 | STORY5 | 420 | C40X120H420 | 48 | 1% | 68.47 | 1.43% | 142.65% |
| Botton | C3 | C-C1 | STORY5 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C3 | C-C1 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C3 | C-C1 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C3 | C-C1 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C3 | C-C1 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C3 | C-C1 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C3 | C-C1 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C3 | C-C1 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C3 | C-C1 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C30 | C-C8 | STORY22 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C30 | C-C8 | STORY22 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C30 | C-C8 | STORY21 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C30 | C-C8 | STORY21 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C30 | C-C8 | STORY20 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C30 | C-C8 | STORY20 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C30 | C-C8 | STORY19 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C30 | C-C8 | STORY19 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C30 | C-C8 | STORY18 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C30 | C-C8 | STORY18 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C30 | C-C8 | STORY17 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C30 | C-C8 | STORY17 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C30 | C-C8 | STORY16 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C30 | C-C8 | STORY16 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C30 | C-C8 | STORY15 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C30 | C-C8 | STORY15 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C30 | C-C8 | STORY14 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C30 | C-C8 | STORY14 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C30 | C-C8 | STORY13 | 280 | C50X100H280 | 50 | 1% | 90.34 | 1.81% | 180.68% |
| Botton | C30 | C-C8 | STORY13 | 280 | C50X100H280 | 50 | 1% | 70.17 | 1.4% | 140.34% |
| Top | C30 | C-C8 | STORY12 | 280 | C50X100H280 | 50 | 1% | 70.17 | 1.4% | 140.34% |
| Botton | C30 | C-C8 | STORY12 | 280 | C50X100H280 | 50 | 1% | 50 | 1% | 100% |
| Top | C30 | C-C8 | STORY11 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Botton | C30 | C-C8 | STORY11 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Top | C30 | C-C8 | STORY10 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Botton | C30 | C-C8 | STORY10 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Top | C30 | C-C8 | STORY9 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Botton | C30 | C-C8 | STORY9 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Top | C30 | C-C8 | STORY8 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Botton | C30 | C-C8 | STORY8 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Top | C30 | C-C8 | STORY7 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Botton | C30 | C-C8 | STORY7 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Top | C30 | C-C8 | STORY6 | 350 | C50X140H350 | 70 | 1% | 117.04 | 1.67% | 167.2% |
| Botton | C30 | C-C8 | STORY6 | 350 | C50X140H350 | 70 | 1% | 92.04 | 1.31% | 131.49% |
| Top | C30 | C-C8 | STORY5 | 420 | C50X140H420 | 70 | 1% | 92.04 | 1.31% | 131.49% |
| Botton | C30 | C-C8 | STORY5 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Top | C30 | C-C8 | STORY4 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Botton | C30 | C-C8 | STORY4 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Top | C30 | C-C8 | STORY3 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Botton | C30 | C-C8 | STORY3 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Top | C30 | C-C8 | STORY2 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Botton | C30 | C-C8 | STORY2 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Top | C30 | C-C8 | STORY1 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Botton | C30 | C-C8 | STORY1 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Top | C31 | C-B8 | STORY22 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C31 | C-B8 | STORY22 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C31 | C-B8 | STORY21 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C31 | C-B8 | STORY21 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C31 | C-B8 | STORY20 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C31 | C-B8 | STORY20 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C31 | C-B8 | STORY19 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C31 | C-B8 | STORY19 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C31 | C-B8 | STORY18 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C31 | C-B8 | STORY18 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C31 | C-B8 | STORY17 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C31 | C-B8 | STORY17 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C31 | C-B8 | STORY16 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C31 | C-B8 | STORY16 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C31 | C-B8 | STORY15 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C31 | C-B8 | STORY15 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C31 | C-B8 | STORY14 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C31 | C-B8 | STORY14 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C31 | C-B8 | STORY13 | 280 | C50X100H280 | 50 | 1% | 90.34 | 1.81% | 180.68% |
| Botton | C31 | C-B8 | STORY13 | 280 | C50X100H280 | 50 | 1% | 70.17 | 1.4% | 140.34% |
| Top | C31 | C-B8 | STORY12 | 280 | C50X100H280 | 50 | 1% | 70.17 | 1.4% | 140.34% |
| Botton | C31 | C-B8 | STORY12 | 280 | C50X100H280 | 50 | 1% | 50 | 1% | 100% |
| Top | C31 | C-B8 | STORY11 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Botton | C31 | C-B8 | STORY11 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Top | C31 | C-B8 | STORY10 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Botton | C31 | C-B8 | STORY10 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Top | C31 | C-B8 | STORY9 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Botton | C31 | C-B8 | STORY9 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Top | C31 | C-B8 | STORY8 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Botton | C31 | C-B8 | STORY8 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Top | C31 | C-B8 | STORY7 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Botton | C31 | C-B8 | STORY7 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Top | C31 | C-B8 | STORY6 | 350 | C50X140H350 | 70 | 1% | 117.04 | 1.67% | 167.2% |
| Botton | C31 | C-B8 | STORY6 | 350 | C50X140H350 | 70 | 1% | 92.04 | 1.31% | 131.49% |
| Top | C31 | C-B8 | STORY5 | 420 | C50X140H420 | 70 | 1% | 92.04 | 1.31% | 131.49% |
| Botton | C31 | C-B8 | STORY5 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Top | C31 | C-B8 | STORY4 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Botton | C31 | C-B8 | STORY4 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Top | C31 | C-B8 | STORY3 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Botton | C31 | C-B8 | STORY3 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Top | C31 | C-B8 | STORY2 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Botton | C31 | C-B8 | STORY2 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Top | C31 | C-B8 | STORY1 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Botton | C31 | C-B8 | STORY1 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Top | C32 | C-A8 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C32 | C-A8 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C32 | C-A8 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C32 | C-A8 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C32 | C-A8 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C32 | C-A8 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C32 | C-A8 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C32 | C-A8 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C32 | C-A8 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C32 | C-A8 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C32 | C-A8 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C32 | C-A8 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C32 | C-A8 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C32 | C-A8 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C32 | C-A8 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C32 | C-A8 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C32 | C-A8 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C32 | C-A8 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C32 | C-A8 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C32 | C-A8 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C32 | C-A8 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C32 | C-A8 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C32 | C-A8 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C32 | C-A8 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C32 | C-A8 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C32 | C-A8 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C32 | C-A8 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C32 | C-A8 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C32 | C-A8 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C32 | C-A8 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C32 | C-A8 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C32 | C-A8 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C32 | C-A8 | STORY6 | 350 | C40X140H350 | 56 | 1% | 99.42 | 1.78% | 177.54% |
| Botton | C32 | C-A8 | STORY6 | 350 | C40X140H350 | 56 | 1% | 77.55 | 1.38% | 138.48% |
| Top | C32 | C-A8 | STORY5 | 420 | C40X140H420 | 56 | 1% | 77.55 | 1.38% | 138.48% |
| Botton | C32 | C-A8 | STORY5 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Top | C32 | C-A8 | STORY4 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Botton | C32 | C-A8 | STORY4 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Top | C32 | C-A8 | STORY3 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Botton | C32 | C-A8 | STORY3 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Top | C32 | C-A8 | STORY2 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Botton | C32 | C-A8 | STORY2 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Top | C32 | C-A8 | STORY1 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Botton | C32 | C-A8 | STORY1 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Top | C37 | C-A9 | STORY22 | 210 | C80X110X40X40LH210 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C37 | C-A9 | STORY22 | 210 | C80X110X40X40LH210 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C37 | C-A9 | STORY21 | 210 | C80X110X40X40LH210 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C37 | C-A9 | STORY21 | 210 | C80X110X40X40LH210 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C37 | C-A9 | STORY20 | 210 | C80X110X40X40LH210 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C37 | C-A9 | STORY20 | 210 | C80X110X40X40LH210 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C37 | C-A9 | STORY19 | 210 | C80X110X40X40LH210 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C37 | C-A9 | STORY19 | 210 | C80X110X40X40LH210 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C37 | C-A9 | STORY18 | 210 | C80X110X40X40LH210 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C37 | C-A9 | STORY18 | 210 | C80X110X40X40LH210 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C37 | C-A9 | STORY17 | 280 | C80X110X40X40LH280 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C37 | C-A9 | STORY17 | 280 | C80X110X40X40LH280 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C37 | C-A9 | STORY16 | 280 | C80X110X40X40LH280 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C37 | C-A9 | STORY16 | 280 | C80X110X40X40LH280 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C37 | C-A9 | STORY15 | 280 | C80X110X40X40LH280 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C37 | C-A9 | STORY15 | 280 | C80X110X40X40LH280 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C37 | C-A9 | STORY14 | 280 | C80X110X40X40LH280 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C37 | C-A9 | STORY14 | 280 | C80X110X40X40LH280 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C37 | C-A9 | STORY13 | 280 | C80X110X40X40LH280 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C37 | C-A9 | STORY13 | 280 | C80X110X40X40LH280 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C37 | C-A9 | STORY12 | 280 | C80X110X40X40LH280 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C37 | C-A9 | STORY12 | 280 | C80X110X40X40LH280 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C37 | C-A9 | STORY11 | 350 | C80X110X40X40LH350 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C37 | C-A9 | STORY11 | 350 | C80X110X40X40LH350 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C37 | C-A9 | STORY10 | 350 | C80X110X40X40LH350 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C37 | C-A9 | STORY10 | 350 | C80X110X40X40LH350 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C37 | C-A9 | STORY9 | 350 | C80X110X40X40LH350 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C37 | C-A9 | STORY9 | 350 | C80X110X40X40LH350 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C37 | C-A9 | STORY8 | 350 | C80X110X40X40LH350 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C37 | C-A9 | STORY8 | 350 | C80X110X40X40LH350 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C37 | C-A9 | STORY7 | 350 | C80X110X40X40LH350 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C37 | C-A9 | STORY7 | 350 | C80X110X40X40LH350 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C37 | C-A9 | STORY6 | 350 | C80X110X40X40LH350 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C37 | C-A9 | STORY6 | 350 | C80X110X40X40LH350 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C37 | C-A9 | STORY5 | 420 | C80X110X40X40LH420 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C37 | C-A9 | STORY5 | 420 | C80X110X40X40LH420 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C37 | C-A9 | STORY4 | 420 | C80X110X40X40LH420 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C37 | C-A9 | STORY4 | 420 | C80X110X40X40LH420 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C37 | C-A9 | STORY3 | 420 | C80X110X40X40LH420 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C37 | C-A9 | STORY3 | 420 | C80X110X40X40LH420 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C37 | C-A9 | STORY2 | 420 | C80X110X40X40LH420 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C37 | C-A9 | STORY2 | 420 | C80X110X40X40LH420 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C37 | C-A9 | STORY1 | 420 | C80X110X40X40LH420 | 60 | 1% | 59.7 | 1% | 99.5% |
| Botton | C37 | C-A9 | STORY1 | 420 | C80X110X40X40LH420 | 60 | 1% | 59.7 | 1% | 99.5% |
| Top | C38 | C-B9 | STORY22 | 210 | C40X100H210 | 50 | 1.25% | 40.34 | 1.01% | 80.68% |
| Botton | C38 | C-B9 | STORY22 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C38 | C-B9 | STORY21 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C38 | C-B9 | STORY21 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C38 | C-B9 | STORY20 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C38 | C-B9 | STORY20 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C38 | C-B9 | STORY19 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C38 | C-B9 | STORY19 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C38 | C-B9 | STORY18 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C38 | C-B9 | STORY18 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C38 | C-B9 | STORY17 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C38 | C-B9 | STORY17 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C38 | C-B9 | STORY16 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C38 | C-B9 | STORY16 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C38 | C-B9 | STORY15 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C38 | C-B9 | STORY15 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C38 | C-B9 | STORY14 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C38 | C-B9 | STORY14 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C38 | C-B9 | STORY13 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C38 | C-B9 | STORY13 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C38 | C-B9 | STORY12 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C38 | C-B9 | STORY12 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C38 | C-B9 | STORY11 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C38 | C-B9 | STORY11 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C38 | C-B9 | STORY10 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C38 | C-B9 | STORY10 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C38 | C-B9 | STORY9 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C38 | C-B9 | STORY9 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C38 | C-B9 | STORY8 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C38 | C-B9 | STORY8 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C38 | C-B9 | STORY7 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C38 | C-B9 | STORY7 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C38 | C-B9 | STORY6 | 350 | C40X120H350 | 48 | 1% | 88.64 | 1.85% | 184.67% |
| Botton | C38 | C-B9 | STORY6 | 350 | C40X120H350 | 48 | 1% | 68.47 | 1.43% | 142.65% |
| Top | C38 | C-B9 | STORY5 | 420 | C40X120H420 | 48 | 1% | 68.47 | 1.43% | 142.65% |
| Botton | C38 | C-B9 | STORY5 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C38 | C-B9 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C38 | C-B9 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C38 | C-B9 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C38 | C-B9 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C38 | C-B9 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C38 | C-B9 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C38 | C-B9 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C38 | C-B9 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C39 | C-C9 | STORY22 | 210 | C40X100H210 | 46.28 | 1.16% | 40.34 | 1.01% | 87.17% |
| Botton | C39 | C-C9 | STORY22 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C39 | C-C9 | STORY21 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C39 | C-C9 | STORY21 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C39 | C-C9 | STORY20 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C39 | C-C9 | STORY20 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C39 | C-C9 | STORY19 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C39 | C-C9 | STORY19 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C39 | C-C9 | STORY18 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C39 | C-C9 | STORY18 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C39 | C-C9 | STORY17 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C39 | C-C9 | STORY17 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C39 | C-C9 | STORY16 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C39 | C-C9 | STORY16 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C39 | C-C9 | STORY15 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C39 | C-C9 | STORY15 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C39 | C-C9 | STORY14 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C39 | C-C9 | STORY14 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C39 | C-C9 | STORY13 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C39 | C-C9 | STORY13 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C39 | C-C9 | STORY12 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C39 | C-C9 | STORY12 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C39 | C-C9 | STORY11 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C39 | C-C9 | STORY11 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C39 | C-C9 | STORY10 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C39 | C-C9 | STORY10 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C39 | C-C9 | STORY9 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C39 | C-C9 | STORY9 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C39 | C-C9 | STORY8 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C39 | C-C9 | STORY8 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C39 | C-C9 | STORY7 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C39 | C-C9 | STORY7 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C39 | C-C9 | STORY6 | 350 | C40X120H350 | 48 | 1% | 88.64 | 1.85% | 184.67% |
| Botton | C39 | C-C9 | STORY6 | 350 | C40X120H350 | 48 | 1% | 68.47 | 1.43% | 142.65% |
| Top | C39 | C-C9 | STORY5 | 420 | C40X120H420 | 48 | 1% | 68.47 | 1.43% | 142.65% |
| Botton | C39 | C-C9 | STORY5 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C39 | C-C9 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C39 | C-C9 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C39 | C-C9 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C39 | C-C9 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C39 | C-C9 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C39 | C-C9 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C39 | C-C9 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C39 | C-C9 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C4 | C-B1 | STORY22 | 210 | C40X100H210 | 51.17 | 1.28% | 40.34 | 1.01% | 78.84% |
| Botton | C4 | C-B1 | STORY22 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C4 | C-B1 | STORY21 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C4 | C-B1 | STORY21 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C4 | C-B1 | STORY20 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C4 | C-B1 | STORY20 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C4 | C-B1 | STORY19 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C4 | C-B1 | STORY19 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C4 | C-B1 | STORY18 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C4 | C-B1 | STORY18 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C4 | C-B1 | STORY17 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C4 | C-B1 | STORY17 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C4 | C-B1 | STORY16 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C4 | C-B1 | STORY16 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C4 | C-B1 | STORY15 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C4 | C-B1 | STORY15 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C4 | C-B1 | STORY14 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C4 | C-B1 | STORY14 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C4 | C-B1 | STORY13 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C4 | C-B1 | STORY13 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C4 | C-B1 | STORY12 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C4 | C-B1 | STORY12 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C4 | C-B1 | STORY11 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C4 | C-B1 | STORY11 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C4 | C-B1 | STORY10 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C4 | C-B1 | STORY10 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C4 | C-B1 | STORY9 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C4 | C-B1 | STORY9 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C4 | C-B1 | STORY8 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C4 | C-B1 | STORY8 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C4 | C-B1 | STORY7 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C4 | C-B1 | STORY7 | 350 | C40X100H350 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C4 | C-B1 | STORY6 | 350 | C40X120H350 | 48 | 1% | 88.64 | 1.85% | 184.67% |
| Botton | C4 | C-B1 | STORY6 | 350 | C40X120H350 | 48 | 1% | 68.47 | 1.43% | 142.65% |
| Top | C4 | C-B1 | STORY5 | 420 | C40X120H420 | 48 | 1% | 68.47 | 1.43% | 142.65% |
| Botton | C4 | C-B1 | STORY5 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C4 | C-B1 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C4 | C-B1 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C4 | C-B1 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C4 | C-B1 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C4 | C-B1 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C4 | C-B1 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C4 | C-B1 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C4 | C-B1 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C40 | C-D9 | STORY22 | 210 | C110X80X40X40LH210 | 60 | 1% | 87.56 | 1.46% | 145.93% |
| Botton | C40 | C-D9 | STORY22 | 210 | C110X80X40X40LH210 | 60 | 1% | 75.99 | 1.27% | 126.65% |
| Top | C40 | C-D9 | STORY21 | 210 | C110X80X40X40LH210 | 60 | 1% | 75.99 | 1.27% | 126.65% |
| Botton | C40 | C-D9 | STORY21 | 210 | C110X80X40X40LH210 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C40 | C-D9 | STORY20 | 210 | C110X80X40X40LH210 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C40 | C-D9 | STORY20 | 210 | C110X80X40X40LH210 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C40 | C-D9 | STORY19 | 210 | C110X80X40X40LH210 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C40 | C-D9 | STORY19 | 210 | C110X80X40X40LH210 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C40 | C-D9 | STORY18 | 210 | C110X80X40X40LH210 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C40 | C-D9 | STORY18 | 210 | C110X80X40X40LH210 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C40 | C-D9 | STORY17 | 280 | C110X80X40X40LH280 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C40 | C-D9 | STORY17 | 280 | C110X80X40X40LH280 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C40 | C-D9 | STORY16 | 280 | C110X80X40X40LH280 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C40 | C-D9 | STORY16 | 280 | C110X80X40X40LH280 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C40 | C-D9 | STORY15 | 280 | C110X80X40X40LH280 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C40 | C-D9 | STORY15 | 280 | C110X80X40X40LH280 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C40 | C-D9 | STORY14 | 280 | C110X80X40X40LH280 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C40 | C-D9 | STORY14 | 280 | C110X80X40X40LH280 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C40 | C-D9 | STORY13 | 280 | C110X80X40X40LH280 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C40 | C-D9 | STORY13 | 280 | C110X80X40X40LH280 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C40 | C-D9 | STORY12 | 280 | C110X80X40X40LH280 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C40 | C-D9 | STORY12 | 280 | C110X80X40X40LH280 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C40 | C-D9 | STORY11 | 350 | C110X80X40X40LH350 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C40 | C-D9 | STORY11 | 350 | C110X80X40X40LH350 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C40 | C-D9 | STORY10 | 350 | C110X80X40X40LH350 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C40 | C-D9 | STORY10 | 350 | C110X80X40X40LH350 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C40 | C-D9 | STORY9 | 350 | C110X80X40X40LH350 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C40 | C-D9 | STORY9 | 350 | C110X80X40X40LH350 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C40 | C-D9 | STORY8 | 350 | C110X80X40X40LH350 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C40 | C-D9 | STORY8 | 350 | C110X80X40X40LH350 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C40 | C-D9 | STORY7 | 350 | C110X80X40X40LH350 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C40 | C-D9 | STORY7 | 350 | C110X80X40X40LH350 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C40 | C-D9 | STORY6 | 350 | C110X80X40X40LH350 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C40 | C-D9 | STORY6 | 350 | C110X80X40X40LH350 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C40 | C-D9 | STORY5 | 420 | C110X80X40X40LH420 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C40 | C-D9 | STORY5 | 420 | C110X80X40X40LH420 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C40 | C-D9 | STORY4 | 420 | C110X80X40X40LH420 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C40 | C-D9 | STORY4 | 420 | C110X80X40X40LH420 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C40 | C-D9 | STORY3 | 420 | C110X80X40X40LH420 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C40 | C-D9 | STORY3 | 420 | C110X80X40X40LH420 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C40 | C-D9 | STORY2 | 420 | C110X80X40X40LH420 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C40 | C-D9 | STORY2 | 420 | C110X80X40X40LH420 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C40 | C-D9 | STORY1 | 420 | C110X80X40X40LH420 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Botton | C40 | C-D9 | STORY1 | 420 | C110X80X40X40LH420 | 60 | 1% | 64.42 | 1.07% | 107.37% |
| Top | C5 | C-A2 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C5 | C-A2 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C5 | C-A2 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C5 | C-A2 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C5 | C-A2 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C5 | C-A2 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C5 | C-A2 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C5 | C-A2 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C5 | C-A2 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C5 | C-A2 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C5 | C-A2 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C5 | C-A2 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C5 | C-A2 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C5 | C-A2 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C5 | C-A2 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C5 | C-A2 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C5 | C-A2 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C5 | C-A2 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C5 | C-A2 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C5 | C-A2 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C5 | C-A2 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C5 | C-A2 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C5 | C-A2 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C5 | C-A2 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C5 | C-A2 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C5 | C-A2 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C5 | C-A2 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C5 | C-A2 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C5 | C-A2 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C5 | C-A2 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C5 | C-A2 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C5 | C-A2 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C5 | C-A2 | STORY6 | 350 | C40X140H350 | 56 | 1% | 99.42 | 1.78% | 177.54% |
| Botton | C5 | C-A2 | STORY6 | 350 | C40X140H350 | 56 | 1% | 77.55 | 1.38% | 138.48% |
| Top | C5 | C-A2 | STORY5 | 420 | C40X140H420 | 56 | 1% | 77.55 | 1.38% | 138.48% |
| Botton | C5 | C-A2 | STORY5 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Top | C5 | C-A2 | STORY4 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Botton | C5 | C-A2 | STORY4 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Top | C5 | C-A2 | STORY3 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Botton | C5 | C-A2 | STORY3 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Top | C5 | C-A2 | STORY2 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Botton | C5 | C-A2 | STORY2 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Top | C5 | C-A2 | STORY1 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Botton | C5 | C-A2 | STORY1 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Top | C6 | C-B2 | STORY22 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C6 | C-B2 | STORY22 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C6 | C-B2 | STORY21 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C6 | C-B2 | STORY21 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C6 | C-B2 | STORY20 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C6 | C-B2 | STORY20 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C6 | C-B2 | STORY19 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C6 | C-B2 | STORY19 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C6 | C-B2 | STORY18 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C6 | C-B2 | STORY18 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C6 | C-B2 | STORY17 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C6 | C-B2 | STORY17 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C6 | C-B2 | STORY16 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C6 | C-B2 | STORY16 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C6 | C-B2 | STORY15 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C6 | C-B2 | STORY15 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C6 | C-B2 | STORY14 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C6 | C-B2 | STORY14 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C6 | C-B2 | STORY13 | 280 | C50X100H280 | 50 | 1% | 90.34 | 1.81% | 180.68% |
| Botton | C6 | C-B2 | STORY13 | 280 | C50X100H280 | 50 | 1% | 70.17 | 1.4% | 140.34% |
| Top | C6 | C-B2 | STORY12 | 280 | C50X100H280 | 50 | 1% | 70.17 | 1.4% | 140.34% |
| Botton | C6 | C-B2 | STORY12 | 280 | C50X100H280 | 50 | 1% | 50 | 1% | 100% |
| Top | C6 | C-B2 | STORY11 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Botton | C6 | C-B2 | STORY11 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Top | C6 | C-B2 | STORY10 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Botton | C6 | C-B2 | STORY10 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Top | C6 | C-B2 | STORY9 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Botton | C6 | C-B2 | STORY9 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Top | C6 | C-B2 | STORY8 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Botton | C6 | C-B2 | STORY8 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Top | C6 | C-B2 | STORY7 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Botton | C6 | C-B2 | STORY7 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Top | C6 | C-B2 | STORY6 | 350 | C50X140H350 | 70 | 1% | 117.04 | 1.67% | 167.2% |
| Botton | C6 | C-B2 | STORY6 | 350 | C50X140H350 | 70 | 1% | 92.04 | 1.31% | 131.49% |
| Top | C6 | C-B2 | STORY5 | 420 | C50X140H420 | 70 | 1% | 92.04 | 1.31% | 131.49% |
| Botton | C6 | C-B2 | STORY5 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Top | C6 | C-B2 | STORY4 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Botton | C6 | C-B2 | STORY4 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Top | C6 | C-B2 | STORY3 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Botton | C6 | C-B2 | STORY3 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Top | C6 | C-B2 | STORY2 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Botton | C6 | C-B2 | STORY2 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Top | C6 | C-B2 | STORY1 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Botton | C6 | C-B2 | STORY1 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Top | C7 | C-C2 | STORY22 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C7 | C-C2 | STORY22 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C7 | C-C2 | STORY21 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C7 | C-C2 | STORY21 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C7 | C-C2 | STORY20 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C7 | C-C2 | STORY20 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C7 | C-C2 | STORY19 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C7 | C-C2 | STORY19 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C7 | C-C2 | STORY18 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C7 | C-C2 | STORY18 | 210 | C40X100H210 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C7 | C-C2 | STORY17 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C7 | C-C2 | STORY17 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C7 | C-C2 | STORY16 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C7 | C-C2 | STORY16 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C7 | C-C2 | STORY15 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C7 | C-C2 | STORY15 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C7 | C-C2 | STORY14 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Botton | C7 | C-C2 | STORY14 | 280 | C40X100H280 | 40 | 1% | 40.34 | 1.01% | 100.85% |
| Top | C7 | C-C2 | STORY13 | 280 | C50X100H280 | 50 | 1% | 90.34 | 1.81% | 180.68% |
| Botton | C7 | C-C2 | STORY13 | 280 | C50X100H280 | 50 | 1% | 70.17 | 1.4% | 140.34% |
| Top | C7 | C-C2 | STORY12 | 280 | C50X100H280 | 50 | 1% | 70.17 | 1.4% | 140.34% |
| Botton | C7 | C-C2 | STORY12 | 280 | C50X100H280 | 50 | 1% | 50 | 1% | 100% |
| Top | C7 | C-C2 | STORY11 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Botton | C7 | C-C2 | STORY11 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Top | C7 | C-C2 | STORY10 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Botton | C7 | C-C2 | STORY10 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Top | C7 | C-C2 | STORY9 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Botton | C7 | C-C2 | STORY9 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Top | C7 | C-C2 | STORY8 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Botton | C7 | C-C2 | STORY8 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Top | C7 | C-C2 | STORY7 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Botton | C7 | C-C2 | STORY7 | 350 | C50X100H350 | 50 | 1% | 50 | 1% | 100% |
| Top | C7 | C-C2 | STORY6 | 350 | C50X140H350 | 70 | 1% | 117.04 | 1.67% | 167.2% |
| Botton | C7 | C-C2 | STORY6 | 350 | C50X140H350 | 70 | 1% | 92.04 | 1.31% | 131.49% |
| Top | C7 | C-C2 | STORY5 | 420 | C50X140H420 | 70 | 1% | 92.04 | 1.31% | 131.49% |
| Botton | C7 | C-C2 | STORY5 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Top | C7 | C-C2 | STORY4 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Botton | C7 | C-C2 | STORY4 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Top | C7 | C-C2 | STORY3 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Botton | C7 | C-C2 | STORY3 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Top | C7 | C-C2 | STORY2 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Botton | C7 | C-C2 | STORY2 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Top | C7 | C-C2 | STORY1 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Botton | C7 | C-C2 | STORY1 | 420 | C50X140H420 | 70 | 1% | 67.04 | 0.96% | 95.77% |
| Top | C8 | C-D2 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C8 | C-D2 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C8 | C-D2 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C8 | C-D2 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C8 | C-D2 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C8 | C-D2 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C8 | C-D2 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C8 | C-D2 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C8 | C-D2 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C8 | C-D2 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C8 | C-D2 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C8 | C-D2 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C8 | C-D2 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C8 | C-D2 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C8 | C-D2 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C8 | C-D2 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C8 | C-D2 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C8 | C-D2 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C8 | C-D2 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C8 | C-D2 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C8 | C-D2 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C8 | C-D2 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C8 | C-D2 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C8 | C-D2 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C8 | C-D2 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C8 | C-D2 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C8 | C-D2 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C8 | C-D2 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C8 | C-D2 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C8 | C-D2 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C8 | C-D2 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C8 | C-D2 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C8 | C-D2 | STORY6 | 350 | C40X140H350 | 56 | 1% | 99.42 | 1.78% | 177.54% |
| Botton | C8 | C-D2 | STORY6 | 350 | C40X140H350 | 56 | 1% | 77.55 | 1.38% | 138.48% |
| Top | C8 | C-D2 | STORY5 | 420 | C40X140H420 | 56 | 1% | 77.55 | 1.38% | 138.48% |
| Botton | C8 | C-D2 | STORY5 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Top | C8 | C-D2 | STORY4 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Botton | C8 | C-D2 | STORY4 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Top | C8 | C-D2 | STORY3 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Botton | C8 | C-D2 | STORY3 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Top | C8 | C-D2 | STORY2 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Botton | C8 | C-D2 | STORY2 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Top | C8 | C-D2 | STORY1 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Botton | C8 | C-D2 | STORY1 | 420 | C40X140H420 | 56 | 1% | 55.68 | 0.99% | 99.43% |
| Top | C9 | C-A3 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C9 | C-A3 | STORY22 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C9 | C-A3 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C9 | C-A3 | STORY21 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C9 | C-A3 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C9 | C-A3 | STORY20 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C9 | C-A3 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C9 | C-A3 | STORY19 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C9 | C-A3 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C9 | C-A3 | STORY18 | 210 | C40X110H210 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C9 | C-A3 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C9 | C-A3 | STORY17 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C9 | C-A3 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C9 | C-A3 | STORY16 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C9 | C-A3 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C9 | C-A3 | STORY15 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C9 | C-A3 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C9 | C-A3 | STORY14 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C9 | C-A3 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C9 | C-A3 | STORY13 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C9 | C-A3 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C9 | C-A3 | STORY12 | 280 | C40X110H280 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C9 | C-A3 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C9 | C-A3 | STORY11 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C9 | C-A3 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C9 | C-A3 | STORY10 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C9 | C-A3 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C9 | C-A3 | STORY9 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C9 | C-A3 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C9 | C-A3 | STORY8 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C9 | C-A3 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Botton | C9 | C-A3 | STORY7 | 350 | C40X110H350 | 44 | 1% | 43.74 | 0.99% | 99.41% |
| Top | C9 | C-A3 | STORY6 | 350 | C40X120H350 | 48 | 1% | 92.04 | 1.92% | 191.75% |
| Botton | C9 | C-A3 | STORY6 | 350 | C40X120H350 | 48 | 1% | 70.17 | 1.46% | 146.19% |
| Top | C9 | C-A3 | STORY5 | 420 | C40X120H420 | 48 | 1% | 70.17 | 1.46% | 146.19% |
| Botton | C9 | C-A3 | STORY5 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C9 | C-A3 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C9 | C-A3 | STORY4 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C9 | C-A3 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C9 | C-A3 | STORY3 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C9 | C-A3 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C9 | C-A3 | STORY2 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Top | C9 | C-A3 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |
| Botton | C9 | C-A3 | STORY1 | 420 | C40X120H420 | 48 | 1% | 48.3 | 1.01% | 100.62% |

# 5. Diseño de losa y vigas

Las cargas empleadas en el diseño estructural, se muestran a continuación:

**LOSA 1 y 2: Sótano 2 y 3.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **DENSIDADES CONSIDERADAS** | | |  | **CARGAS POR METRO CUADRADO CONSIDERADAS** | | | |
| **DESCRIPCIÓN** | **VALOR CARGA** | **UNIDAD** |  | **CARGA MUERTA** | **PESO (tf/m2)** | **CARGA VIVA** | **PESO (tf/m2)** |
| **Mampostería** | 1.50 | tf/m3 |  | **Acabados** | 0.15 | Escaleras | 0.30 |
| **Concreto** | 2.40 | tf/m3 |  | **Cielo falso** | 0.02 | Apartamentos | 0.18 |
| **Divisiones en drywall** | 22.40 | kg/m2 área vertical |  | **Nervios** | 0.12 | Balcones | 0.50 |
| **Vidrieras piso-techo** | 25.00 | kg/m2 área vertical |  | **Loseta** | 0.17 | Corredores | 0.30 |
| **Ventanas** | 15.00 | kg/m2 área vertical |  | **Aligerante** | 0.00 | Parqueaderos | 0.25 |
| **Tierra** | 2.00 | tf/m3 |  | **Granizo** | 0.10 | Cuartos útiles | 0.25 |
| **Barandas** | 0.03 | tf/m |  |  |  | Jardineras | 0.18 |
|  |  |  |  |  |  | Zonas sociales | 0.50 |

Diagrama

Descripción generada automáticamente

Calendario

Descripción generada automáticamente

**Figura 13. Identificación de páneles de carga en Losa 1 y 2**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Carga muro** |  |  | **Carga muro** |
| **h (m)** | 0.12 |  | **h (m)** | 0.20 |
| **e (m)** | 2.50 |  | **e (m)** | 2.50 |
| **Material** | Mampostería |  | **Material** | Mampostería |
| **CM (tf/m)** | 0.450 |  | **CM (tf/m)** | 0.750 |
|  |  |  |  |  |
|  | **Carga muro** |  |  | **Carga muro** |
| **h (m)** | 0.15 |  | **h (m)** | 0.10 |
| **e (m)** | 2.50 |  | **e (m)** | 2.50 |
| **Material** | Mampostería |  | **Material** | Mampostería |
| **CM (tf/m)** | 0.563 |  | **CM (tf/m)** | 0.375 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **CARGAS DISTRIBUIDAS SOBRE PANEL** | | | | | | | | | | | | | | | | | | | | |
| **ID** | | **Muros** | | | | | | **Loseta** | **Acabados** | | **Cielo falso** | | **Aligerante** | | **Nervios** | **CM total** | **CM total sin loseta** | **CM total sin loseta y nervios** | **CV** | |
|  |
| **Panel** | **Área panel (m²)** | **hmuro (m)** | **Material** | **e (m)** | **L (m)** | **Peso (tf)** | **Peso (tf/m²)** | **Peso (tf/m²)** | **APLICA/NO APLICA** | **Peso (tf/m²)** | **APLICA/NO APLICA** | **Peso (tf/m²)** | **APLICA/NO APLICA** | **Peso (tf/m²)** | **Peso (tf/m²)** | **Peso (tf/m²)** | **Peso (tf/m²)** | **Peso (tf/m²)** | **Uso principal (tf/m²)** | **CV resultante(tf/m²)** |  |
| 1 | 36 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 2 | 20.5 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 3 | 18.45 | 2.55 | Mampostería | 0.1 | 9.4 | 3.60 | **0.19** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.48** | **0.31** | **0.19** | 0.25 | **0.25** |  |
| 4 | 24.75 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 5 | 24.75 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 6 | 18.45 | 2.55 | Mampostería | 0.1 | 6.72 | 2.57 | **0.14** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.42** | **0.26** | **0.14** | 0.25 | **0.25** |  |
| 7 | 20.25 | 2.55 | Mampostería | 0.1 | 6.72 | 2.57 | **0.13** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.41** | **0.24** | **0.13** | 0.25 | **0.25** |  |
| 8 | 36 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 9 | 52.8 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 10 | 29.7 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 11 | 27.06 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 12 | 36.64 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 13 | 36.3 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 14 | 27.72 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 15 | 29.7 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 16 | 52.8 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 17 | 24.07 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 18 | 20.24 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 19 | 18.44 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | SI | **0.15** | NO | **0.00** | NO | **0** | **0.12** | **0.44** | **0.27** | **0.15** | 0.30 | **0.30** |  |
| 20 | 18.84 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 21 | 24.75 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 22 | 19.35 | 2.55 | Mampostería | 0.1 | 6.72 | 2.57 | **0.13** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.42** | **0.25** | **0.13** | 0.25 | **0.25** |  |
| 23 | 20.24 | 2.5 | Mampostería | 0.1 | 6.72 | 2.52 | **0.12** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.41** | **0.24** | **0.12** | 0.25 | **0.25** |  |
| 24 | 24.03 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |

**LOSA 3: Sótano 1**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **DENSIDADES CONSIDERADAS** | | |  | **CARGAS POR METRO CUADRADO CONSIDERADAS** | | | |
| **DESCRIPCIÓN** | **VALOR CARGA** | **UNIDAD** |  | **CARGA MUERTA** | **PESO (tf/m2)** | **CARGA VIVA** | **PESO (tf/m2)** |
| **Mampostería** | 1.50 | tf/m3 |  | **Acabados** | 0.15 | Escaleras | 0.30 |
| **Concreto** | 2.40 | tf/m3 |  | **Cielo falso** | 0.02 | Apartamentos | 0.18 |
| **Divisiones en drywall** | 22.40 | kg/m2 área vertical |  | **Nervios** | 0.12 | Balcones | 0.50 |
| **Vidrieras piso-techo** | 25.00 | kg/m2 área vertical |  | **Loseta** | 0.17 | Corredores | 0.30 |
| **Ventanas** | 15.00 | kg/m2 área vertical |  | **Aligerante** | 0.00 | Parqueaderos | 0.25 |
| **Tierra** | 2.00 | tf/m3 |  | **Granizo** | 0.10 | Cuartos útiles | 0.25 |
| **Barandas** | 0.03 | tf/m |  |  |  | Jardineras | 0.18 |
|  |  |  |  |  |  | Zonas sociales | 0.50 |

Diagrama

Descripción generada automáticamente

Escala de tiempo

Descripción generada automáticamente

**Figura 14. Identificación de páneles de carga en Losa 3**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Carga muro** |  |  | **Carga muro** |
| **h (m)** | 0.12 |  | **h (m)** | 0.10 |
| **e (m)** | 2.50 |  | **e (m)** | 2.50 |
| **Material** | Mampostería |  | **Material** | Mampostería |
| **CM (tf/m)** | 0.450 |  | **CM (tf/m)** | 0.375 |
|  |  |  |  |  |
|  | **Carga muro** |  |  | **Carga muro** |
| **h (m)** | 0.15 |  | **h (m)** | 0.20 |
| **e (m)** | 2.50 |  | **e (m)** | 2.50 |
| **Material** | Mampostería |  | **Material** | Mampostería |
| **CM (tf/m)** | 0.563 |  | **CM (tf/m)** | 0.750 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **CARGAS DISTRIBUIDAS SOBRE PANEL** | | | | | | | | | | | | | | | | | | | | |
| **ID** | | **Muros** | | | | | | **Loseta** | **Acabados** | | **Cielo falso** | | **Aligerante** | | **Nervios** | **CM total** | **CM total sin loseta** | **CM total sin loseta y nervios** | **CV** | |
|  |
| **Panel** | **Área panel (m²)** | **hmuro (m)** | **Material** | **e (m)** | **L (m)** | **Peso (tf)** | **Peso (tf/m²)** | **Peso (tf/m²)** | **APLICA/NO APLICA** | **Peso (tf/m²)** | **APLICA/NO APLICA** | **Peso (tf/m²)** | **APLICA/NO APLICA** | **Peso (tf/m²)** | **Peso (tf/m²)** | **Peso (tf/m²)** | **Peso (tf/m²)** | **Peso (tf/m²)** | **Uso principal (tf/m²)** | **CV resultante(tf/m²)** |  |
| 1 | 36 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 2 | 20.5 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 3 | 18.45 | 2.55 | Mampostería | 0.1 | 9.4 | 3.60 | **0.19** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.48** | **0.31** | **0.19** | 0.25 | **0.25** |  |
| 4 | 24.75 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 5 | 24.75 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 6 | 18.45 | 2.55 | Mampostería | 0.1 | 6.72 | 2.57 | **0.14** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.42** | **0.26** | **0.14** | 0.25 | **0.25** |  |
| 7 | 20.25 | 2.55 | Mampostería | 0.1 | 6.72 | 2.57 | **0.13** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.41** | **0.24** | **0.13** | 0.25 | **0.25** |  |
| 8 | 36 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 9 | 52.8 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 10 | 29.7 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 11 | 27.06 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 12 | 36.64 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 13 | 36.3 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 14 | 27.72 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 15 | 29.7 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 16 | 52.8 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 17 | 24.07 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 18 | 20.24 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 19 | 18.44 | 2.55 | Mampostería | 0.12 | 7.07 | 3.25 | **0.18** | **0.17** | SI | **0.15** | NO | **0.00** | NO | **0** | **0.12** | **0.61** | **0.44** | **0.33** | 0.30 | **0.30** |  |
| 20 | 18.84 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 21 | 24.75 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 22 | 19.35 | 2.55 | Mampostería | 0.1 | 6.72 | 2.57 | **0.13** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.42** | **0.25** | **0.13** | 0.25 | **0.25** |  |
| 23 | 20.24 | 2.55 | Mampostería | 0.1 | 6.72 | 2.57 | **0.13** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.41** | **0.24** | **0.13** | 0.25 | **0.25** |  |
| 24 | 24.03 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |

**LOSA 4: Piso 1**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **DENSIDADES CONSIDERADAS** | | |  | **CARGAS POR METRO CUADRADO CONSIDERADAS** | | | |
| **DESCRIPCIÓN** | **VALOR CARGA** | **UNIDAD** |  | **CARGA MUERTA** | **PESO (tf/m2)** | **CARGA VIVA** | **PESO (tf/m2)** |
| **Mampostería** | 1.50 | tf/m3 |  | **Acabados** | 0.15 | Escaleras | 0.30 |
| **Concreto** | 2.40 | tf/m3 |  | **Cielo falso** | 0.02 | Apartamentos | 0.18 |
| **Divisiones en drywall** | 22.40 | kg/m2 área vertical |  | **Nervios** | 0.12 | Balcones | 0.50 |
| **Vidrieras piso-techo** | 25.00 | kg/m2 área vertical |  | **Loseta** | 0.17 | Corredores | 0.30 |
| **Ventanas** | 15.00 | kg/m2 área vertical |  | **Aligerante** | 0.00 | Parqueaderos | 0.25 |
| **Tierra** | 2.00 | tf/m3 |  | **Granizo** | 0.10 | Cuartos útiles | 0.25 |
| **Barandas** | 0.03 | tf/m |  |  |  | Jardineras | 0.18 |
|  |  |  |  |  |  | Zonas sociales | 0.50 |

Gráfico

Descripción generada automáticamente con confianza baja

Calendario

Descripción generada automáticamente

**Figura 15. Identificación de páneles de carga en Losa 4**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Carga muro** |  |  | **Carga vidriera** |
| **h (m)** | 0.12 |  | **h (m)** | 5.60 |
| **e (m)** | 2.65 |  | **CM (tf/m)** | 0.140 |
| **Material** | Mampostería |  |  |  |
| **CM (tf/m)** | 0.477 |  |  |  |
|  |  |  |  |  |
|  | **Carga muro** |  |  | **Carga muro** |
| **h (m)** | 0.15 |  | **h (m)** | 0.10 |
| **e (m)** | 2.65 |  | **e (m)** | 2.65 |
| **Material** | Mampostería |  | **Material** | Mampostería |
| **CM (tf/m)** | 0.596 |  | **CM (tf/m)** | 0.398 |
|  |  |  |  |  |
|  | **Carga muro** |  |  |  |
| **h (m)** | 0.20 |  |  |  |
| **e (m)** | 2.65 |  |  |  |
| **Material** | Mampostería |  |  |  |
| **CM (tf/m)** | 0.795 |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **CARGAS DISTRIBUIDAS SOBRE PANEL** | | | | | | | | | | | | | | | | | | | | |
| **ID** | | **Muros** | | | | | | **Loseta** | **Acabados** | | **Cielo falso** | | **Aligerante** | | **Nervios** | **CM total** | **CM total sin loseta** | **CM total sin loseta y nervios** | **CV** | |
|  |
| **Panel** | **Área panel (m²)** | **hmuro (m)** | **Material** | **e (m)** | **L (m)** | **Peso (tf)** | **Peso (tf/m²)** | **Peso (tf/m²)** | **APLICA/NO APLICA** | **Peso (tf/m²)** | **APLICA/NO APLICA** | **Peso (tf/m²)** | **APLICA/NO APLICA** | **Peso (tf/m²)** | **Peso (tf/m²)** | **Peso (tf/m²)** | **Peso (tf/m²)** | **Peso (tf/m²)** | **Uso principal (tf/m²)** | **CV resultante(tf/m²)** |  |
| 1 | 36 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 2 | 20.5 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 3 | 18.45 | 2.7 | Mampostería | 0.1 | 9.4 | 3.81 | **0.21** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.49** | **0.32** | **0.21** | 0.25 | **0.25** |  |
| 4 | 24.75 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 5 | 24.75 | 2.7 | Mampostería | 0.1 | 6.7 | 2.71 | **0.11** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.39** | **0.23** | **0.11** | 0.25 | **0.25** |  |
| 6 | 18.45 | 2.7 | Mampostería | 0.1 | 6.7 | 2.71 | **0.15** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.43** | **0.26** | **0.15** | 0.25 | **0.25** |  |
| 7 | 20.25 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 8 | 36 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 9 | 52.8 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 10 | 29.7 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 11 | 27.06 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 12 | 36.64 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 13 | 36.3 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 14 | 27.72 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 15 | 29.7 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 16 | 52.8 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 17 | 24.07 | 2.7 | Mampostería | 0.12 | 5.15 | 2.50 | **0.10** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.39** | **0.22** | **0.10** | 0.30 | **0.30** |  |
| 18 | 20.24 | 2.7 | Mampostería | 0.12 | 4.35 | 2.11 | **0.10** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.39** | **0.22** | **0.10** | 0.25 | **0.25** |  |
| 19 | 18.44 | 2.7 | Mampostería | 0.12 | 7.07 | 3.44 | **0.19** | **0.17** | SI | **0.15** | NO | **0.00** | NO | **0** | **0.12** | **0.62** | **0.45** | **0.34** | 0.30 | **0.30** |  |
| 20 | 18.84 | 2.7 | Mampostería | 0.1 | 5.3 | 2.15 | **0.11** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.40** | **0.23** | **0.11** | 0.25 | **0.25** |  |
| 21 | 24.75 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 22 | 19.35 | 2.7 | Mampostería | 0.1 | 6.7 | 2.71 | **0.14** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.43** | **0.26** | **0.14** | 0.25 | **0.25** |  |
| 23 | 20.24 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | SI | **0.15** | NO | **0.00** | NO | **0** | **0.12** | **0.44** | **0.27** | **0.15** | 0.50 | **0.50** |  |
| 24 | 24.03 | 2.7 | Mampostería | 0.12 | 7.22 | 3.51 | **0.15** | **0.17** | SI | **0.15** | NO | **0.00** | NO | **0** | **0.12** | **0.58** | **0.41** | **0.30** | 0.20 | **0.20** |  |
| 25 | 0.01 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | SI | **0.15** | NO | **0.00** | NO | **0** | **0.12** | **0.44** | **0.27** | **0.15** | 0.20 | **0.20** |  |

**LOSA 5: Piso 2.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **DENSIDADES CONSIDERADAS** | | |  | **CARGAS POR METRO CUADRADO CONSIDERADAS** | | | |
| **DESCRIPCIÓN** | **VALOR CARGA** | **UNIDAD** |  | **CARGA MUERTA** | **PESO (tf/m2)** | **CARGA VIVA** | **PESO (tf/m2)** |
| **Mampostería** | 1.50 | tf/m3 |  | **Acabados** | 0.15 | Escaleras | 0.30 |
| **Concreto** | 2.40 | tf/m3 |  | **Cielo falso** | 0.02 | Apartamentos | 0.18 |
| **Divisiones en drywall** | 22.40 | kg/m2 área vertical |  | **Nervios** | 0.12 | Balcones | 0.50 |
| **Vidrieras piso-techo** | 25.00 | kg/m2 área vertical |  | **Loseta** | 0.17 | Corredores | 0.30 |
| **Ventanas** | 15.00 | kg/m2 área vertical |  | **Aligerante** | 0.00 | Parqueaderos | 0.25 |
| **Tierra** | 2.00 | tf/m3 |  | **Granizo** | 0.10 | Cuartos útiles | 0.25 |
| **Barandas** | 0.03 | tf/m |  |  |  | Jardineras | 0.18 |
|  |  |  |  |  |  | Zonas sociales | 0.50 |

Diagrama

Descripción generada automáticamente

Calendario

Descripción generada automáticamente

**Figura 16. Identificación de páneles de carga en Losa 5.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Carga muro** |  |  | **Carga muro** |
| **h (m)** | 0.12 |  | **h (m)** | 0.10 |
| **e (m)** | 2.50 |  | **e (m)** | 2.65 |
| **Material** | Mampostería |  | **Material** | Mampostería |
| **CM (tf/m)** | 0.450 |  | **CM (tf/m)** | 0.398 |
|  |  |  |  |  |
|  | **Carga muro** |  |  | **Carga muro** |
| **h (m)** | 0.15 |  | **h (m)** | 0.20 |
| **e (m)** | 2.50 |  | **e (m)** | 2.50 |
| **Material** | Mampostería |  | **Material** | Mampostería |
| **CM (tf/m)** | 0.563 |  | **CM (tf/m)** | 0.750 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **CARGAS DISTRIBUIDAS SOBRE PANEL** | | | | | | | | | | | | | | | | | | | | |
| **ID** | | **Muros** | | | | | | **Loseta** | **Acabados** | | **Cielo falso** | | **Aligerante** | | **Nervios** | **CM total** | **CM total sin loseta** | **CM total sin loseta y nervios** | **CV** | |
|  |
| **Panel** | **Área panel (m²)** | **hmuro (m)** | **Material** | **e (m)** | **L (m)** | **Peso (tf)** | **Peso (tf/m²)** | **Peso (tf/m²)** | **APLICA/NO APLICA** | **Peso (tf/m²)** | **APLICA/NO APLICA** | **Peso (tf/m²)** | **APLICA/NO APLICA** | **Peso (tf/m²)** | **Peso (tf/m²)** | **Peso (tf/m²)** | **Peso (tf/m²)** | **Peso (tf/m²)** | **Uso principal (tf/m²)** | **CV resultante(tf/m²)** |  |
| 1 | 36 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 2 | 20.5 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 3 | 18.45 | 2.55 | Mampostería | 0.1 | 9.4 | 3.60 | **0.19** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.48** | **0.31** | **0.19** | 0.25 | **0.25** |  |
| 4 | 24.75 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 5 | 24.75 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 6 | 18.45 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 7 | 20.25 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 8 | 36 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 9 | 52.8 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 10 | 29.7 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 11 | 27.06 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 12 | 36.64 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 13 | 36.3 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 14 | 27.72 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 15 | 29.7 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 16 | 52.8 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 17 | 24.07 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 18 | 20.24 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 19 | 18.44 | 2.55 | Mampostería | 0.1 | 9.32 | 3.56 | **0.19** | **0.17** | SI | **0.15** | NO | **0.00** | NO | **0** | **0.12** | **0.63** | **0.46** | **0.34** | 0.30 | **0.30** |  |
| 20 | 18.84 | 2.55 | Mampostería | 0.1 | 5.75 | 2.20 | **0.12** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.40** | **0.23** | **0.12** | 0.25 | **0.25** |  |
| 21 | 24.75 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 22 | 19.35 | 2.55 | Mampostería | 0.1 | 6.7 | 2.56 | **0.13** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.42** | **0.25** | **0.13** | 0.25 | **0.25** |  |
| 23 | 20.24 | 2.55 | Mampostería | 0.1 | 6.7 | 2.56 | **0.13** | **0.17** | NO | **0.00** | SI | **0.02** | NO | **0** | **0.12** | **0.43** | **0.26** | **0.15** | 0.25 | **0.25** |  |
| 24 | 24.03 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | SI | **0.02** | NO | **0** | **0.12** | **0.31** | **0.14** | **0.02** | 0.25 | **0.25** |  |

**LOSA 6: Piso 3.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **DENSIDADES CONSIDERADAS** | | |  | **CARGAS POR METRO CUADRADO CONSIDERADAS** | | | |
| **DESCRIPCIÓN** | **VALOR CARGA** | **UNIDAD** |  | **CARGA MUERTA** | **PESO (tf/m2)** | **CARGA VIVA** | **PESO (tf/m2)** |
| **Mampostería** | 1.50 | tf/m3 |  | **Acabados** | 0.15 | Escaleras | 0.30 |
| **Concreto** | 2.40 | tf/m3 |  | **Cielo falso** | 0.02 | Apartamentos | 0.18 |
| **Divisiones en drywall** | 22.40 | kg/m2 área vertical |  | **Nervios** | 0.12 | Balcones | 0.50 |
| **Vidrieras piso-techo** | 25.00 | kg/m2 área vertical |  | **Loseta** | 0.17 | Corredores | 0.30 |
| **Ventanas** | 15.00 | kg/m2 área vertical |  | **Aligerante** | 0.00 | Parqueaderos | 0.25 |
| **Tierra** | 2.00 | tf/m3 |  | **Granizo** | 0.10 | Cuartos útiles | 0.25 |
| **Barandas** | 0.03 | tf/m |  |  |  | Jardineras | 0.18 |
|  |  |  |  |  |  | Zonas sociales | 0.50 |

Imagen que contiene Diagrama

Descripción generada automáticamente

Calendario

Descripción generada automáticamente con confianza media

**Figura 17. Identificación de páneles de carga en Losa 6.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Carga muro** |  |  | **Carga muro** |
| **h (m)** | 0.12 |  | **h (m)** | 0.10 |
| **e (m)** | 2.50 |  | **e (m)** | 2.65 |
| **Material** | Mampostería |  | **Material** | Mampostería |
| **CM (tf/m)** | 0.450 |  | **CM (tf/m)** | 0.398 |
|  |  |  |  |  |
|  | **Carga muro** |  |  | **Carga muro** |
| **h (m)** | 0.15 |  | **h (m)** | 0.20 |
| **e (m)** | 2.50 |  | **e (m)** | 2.50 |
| **Material** | Mampostería |  | **Material** | Mampostería |
| **CM (tf/m)** | 0.563 |  | **CM (tf/m)** | 0.750 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **CARGAS DISTRIBUIDAS SOBRE PANEL** | | | | | | | | | | | | | | | | | | | | |
| **ID** | | **Muros** | | | | | | **Loseta** | **Acabados** | | **Cielo falso** | | **Aligerante** | | **Nervios** | **CM total** | **CM total sin loseta** | **CM total sin loseta y nervios** | **CV** | |
|  |
| **Panel** | **Área panel (m²)** | **hmuro (m)** | **Material** | **e (m)** | **L (m)** | **Peso (tf)** | **Peso (tf/m²)** | **Peso (tf/m²)** | **APLICA/NO APLICA** | **Peso (tf/m²)** | **APLICA/NO APLICA** | **Peso (tf/m²)** | **APLICA/NO APLICA** | **Peso (tf/m²)** | **Peso (tf/m²)** | **Peso (tf/m²)** | **Peso (tf/m²)** | **Peso (tf/m²)** | **Uso principal (tf/m²)** | **CV resultante(tf/m²)** |  |
| 1 | 36 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 2 | 20.5 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 3 | 18.45 | 2.55 | Mampostería | 0.1 | 9.4 | 3.60 | **0.19** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.48** | **0.31** | **0.19** | 0.25 | **0.25** |  |
| 4 | 24.75 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 5 | 24.75 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 6 | 18.45 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 7 | 20.25 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 8 | 36 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 9 | 52.8 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 10 | 29.7 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 11 | 27.06 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 12 | 36.64 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 13 | 36.3 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 14 | 27.72 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 15 | 29.7 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 16 | 52.8 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 17 | 24.07 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 18 | 20.24 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 19 | 18.44 | 2.55 | Mampostería | 0.12 | 9.32 | 4.28 | **0.23** | **0.17** | SI | **0.15** | NO | **0.00** | NO | **0** | **0.12** | **0.67** | **0.50** | **0.38** | 0.30 | **0.30** |  |
| 20 | 18.84 | 2.55 | Mampostería | 0.1 | 5.75 | 2.20 | **0.12** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.40** | **0.23** | **0.12** | 0.25 | **0.25** |  |
| 21 | 24.75 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 22 | 19.35 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | NO | **0.00** | NO | **0** | **0.12** | **0.29** | **0.12** | **0.00** | 0.25 | **0.25** |  |
| 23 | 20.24 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | SI | **0.02** | NO | **0** | **0.12** | **0.31** | **0.14** | **0.02** | 0.25 | **0.25** |  |
| 24 | 24.03 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | SI | **0.02** | NO | **0** | **0.12** | **0.31** | **0.14** | **0.02** | 0.25 | **0.25** |  |
| 25 | 0.01 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.17** | NO | **0.00** | SI | **0.02** | NO | **0** | **0.12** | **0.31** | **0.14** | **0.02** | 0.18 | **0.18** |  |

**LOSA 7: Piso 4.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **DENSIDADES CONSIDERADAS** | | |  | **CARGAS POR METRO CUADRADO CONSIDERADAS** | | | |
| **DESCRIPCIÓN** | **VALOR CARGA** | **UNIDAD** |  | **CARGA MUERTA** | **PESO (tf/m2)** | **CARGA VIVA** | **PESO (tf/m2)** |
| **Mampostería** | 1.50 | tf/m3 |  | **Acabados** | 0.15 | Escaleras | 0.30 |
| **Concreto** | 2.40 | tf/m3 |  | **Cielo falso** | 0.02 | Apartamentos | 0.18 |
| **Divisiones en drywall** | 22.40 | kg/m2 área vertical |  | **Nervios** | 0.12 | Balcones | 0.50 |
| **Vidrieras piso-techo** | 25.00 | kg/m2 área vertical |  | **Loseta** | 0.12 | Corredores | 0.30 |
| **Ventanas** | 15.00 | kg/m2 área vertical |  | **Aligerante** | 0.00 | Parqueaderos | 0.25 |
| **Tierra** | 2.00 | tf/m3 |  | **Granizo** | 0.10 | Cuartos útiles | 0.25 |
| **Barandas** | 0.03 | tf/m |  |  |  | Jardineras | 0.18 |
|  |  |  |  |  |  | Zonas sociales | 0.50 |

Diagrama

Descripción generada automáticamente con confianza media

Diagrama, Escala de tiempo

Descripción generada automáticamente

**Figura 18. Identificación de páneles de carga en Losa 7.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Carga muro** |  |  | **Carga muro+ventana** |  |  | **Carga muro** |
| **h (m)** | 2.50 |  | **h muro (m)** | 1.15 |  | **h (m)** | 2.50 |
| **e (m)** | 0.12 |  | **e (m)** | 0.12 |  | **e (m)** | 0.20 |
| **Material** | Mampostería |  | **Material** | Mampostería |  | **Material** | Mampostería |
| **CM (tf/m)** | 0.450 |  | **h vidrio (m)** | 1.35 |  | **CM (tf/m)** | 0.750 |
|  |  |  | **CM (tf/m)** | 0.227 |  |  |  |
|  | **Carga muro** |  |  |  |  |  |  |
| **h (m)** | 2.50 |  |  | **Carga muro+ventana** |  |  | **Carga muro** |
| **e (m)** | 0.15 |  | **h muro (m)** | 0.40 |  | **h (m)** | 2.50 |
| **Material** | Mampostería |  | **e (m)** | 0.12 |  | **e (m)** | 0.10 |
| **CM (tf/m)** | 0.563 |  | **Material** | Mampostería |  | **Material** | Mampostería |
|  |  |  | **Baranda** | 0.03 |  | **CM (tf/m)** | 0.375 |
|  | **Carga vidriera** |  | **CM (tf/m)** | 0.102 |  |  |  |
| **h (m)** | 2.50 |  |  |  |  |  |  |
| **CM (tf/m)** | 0.063 |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **CARGAS DISTRIBUIDAS SOBRE PANEL** | | | | | | | | | | | | | | | | | | | | | | | | |
| **ID** | | **Muros** | | | | | | | | | | **Loseta** | **Acabados** | | **Cielo falso** | | **CM total** | **CM total sin loseta** | **CM total sin loseta y nervios** | **CV** | | | | |
|  |
| **Panel** | **Área panel (m²)** | **hmuro (m)** | **Material** | **e (m)** | **L (m)** | **hmuro (m)** | **Material** | **e (m)** | **L (m)** | **Peso (tf)** | **Peso (tf/m²)** | **Peso (tf/m²)** | **APLICA/NO APLICA** | **Peso (tf/m²)** | **APLICA/NO APLICA** | **Peso (tf/m²)** | **Peso (tf/m²)** | **Peso (tf/m²)** | **Peso (tf/m²)** | **Uso principal (tf/m²)** | **Uso 2 (tf/m²)** | **Área panel completo (m²)** | **Área aferente uso 2 (m²)** | **CV resultante(tf/m²)** |  |
| 1 | 36 | 2.55 | Mampostería | 0.1 | 14.6 | 0 | Mampostería | 0 | 0 | 5.59 | **0.16** | **0.12** | SI | **0.15** | SI | **0.02** | **0.57** | **0.45** | **0.33** | 0.18 | 0.00 | 36.00 | 0.00 | **0.18** |  |
| 2 | 15.75 | 0 | Mampostería | 0 | 0 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.12** | SI | **0.15** | SI | **0.02** | **0.41** | **0.29** | **0.17** | 0.18 | 0.00 | 15.75 | 0.00 | **0.18** |  |
| 3 | 15.2 | 0 | Mampostería | 0 | 0 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.12** | SI | **0.15** | SI | **0.02** | **0.41** | **0.29** | **0.17** | 0.18 | 0.00 | 15.20 | 0.00 | **0.18** |  |
| 4 | 24.75 | 2.55 | Mampostería | 0.1 | 8.93 | 0 | Mampostería | 0 | 0 | 3.42 | **0.14** | **0.12** | SI | **0.15** | SI | **0.02** | **0.55** | **0.43** | **0.31** | 0.18 | 0.00 | 24.75 | 0.00 | **0.18** |  |
| 5 | 24.75 | 2.55 | Mampostería | 0.1 | 6.98 | 0 | Mampostería | 0 | 0 | 2.67 | **0.11** | **0.12** | SI | **0.15** | SI | **0.02** | **0.52** | **0.40** | **0.28** | 0.18 | 0.00 | 24.75 | 0.00 | **0.18** |  |
| 6 | 14.35 | 0 | Mampostería | 0 | 0 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.12** | SI | **0.15** | SI | **0.02** | **0.41** | **0.29** | **0.17** | 0.18 | 0.00 | 14.35 | 0.00 | **0.18** |  |
| 7 | 15.75 | 0 | Mampostería | 0 | 0 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.12** | SI | **0.15** | SI | **0.02** | **0.41** | **0.29** | **0.17** | 0.18 | 0.00 | 15.75 | 0.00 | **0.18** |  |
| 8 | 36 | 2.55 | Mampostería | 0.1 | 14.6 | 0 | Mampostería | 0 | 0 | 5.59 | **0.16** | **0.12** | SI | **0.15** | SI | **0.02** | **0.57** | **0.45** | **0.33** | 0.18 | 0.00 | 36.00 | 0.00 | **0.18** |  |
| 9 | 14.23 | 2.55 | Mampostería | 0.1 | 3.95 | 2.55 | Mampostería | 0.12 | 8.47 | 5.40 | **0.38** | **0.12** | SI | **0.15** | SI | **0.02** | **0.79** | **0.67** | **0.55** | 0.30 | 0.00 | 14.23 | 0.00 | **0.30** |  |
| 10 | 17.16 | 2.55 | Mampostería | 0.1 | 6.94 | 2.55 | Mampostería | 0.12 | 9.11 | 6.84 | **0.40** | **0.12** | SI | **0.15** | SI | **0.02** | **0.81** | **0.69** | **0.57** | 0.30 | 0.00 | 17.16 | 0.00 | **0.30** |  |
| 11 | 29.7 | 2.55 | Mampostería | 0.1 | 8.9 | 2.55 | Mampostería | 0.12 | 7.26 | 6.74 | **0.23** | **0.12** | SI | **0.15** | SI | **0.02** | **0.64** | **0.52** | **0.40** | 0.18 | 0.30 | 29.70 | 13.50 | **0.23** |  |
| 12 | 27.06 | 2.55 | Mampostería | 0.1 | 7.37 | 2.55 | Mampostería | 0.12 | 6.84 | 5.96 | **0.22** | **0.12** | SI | **0.15** | SI | **0.02** | **0.63** | **0.51** | **0.39** | 0.18 | 0.30 | 27.06 | 14.50 | **0.24** |  |
| 13 | 36.64 | 2.55 | Mampostería | 0.1 | 17.7 | 2.55 | Mampostería | 0.12 | 12.3 | 12.43 | **0.34** | **0.12** | SI | **0.15** | SI | **0.02** | **0.75** | **0.63** | **0.51** | 0.18 | 0.30 | 36.64 | 12.31 | **0.22** |  |
| 14 | 36.3 | 2.55 | Mampostería | 0.1 | 16.8 | 2.55 | Mampostería | 0.12 | 12.2 | 12.03 | **0.33** | **0.12** | SI | **0.15** | SI | **0.02** | **0.75** | **0.63** | **0.50** | 0.18 | 0.30 | 36.30 | 10.50 | **0.21** |  |
| 15 | 27.72 | 2.55 | Mampostería | 0.1 | 7.25 | 2.55 | Mampostería | 0.12 | 6 | 5.53 | **0.20** | **0.12** | SI | **0.15** | SI | **0.02** | **0.61** | **0.49** | **0.37** | 0.18 | 0.30 | 27.72 | 6.70 | **0.21** |  |
| 16 | 29.7 | 2.55 | Mampostería | 0.1 | 9.05 | 2.55 | Mampostería | 0.12 | 7.1 | 6.72 | **0.23** | **0.12** | SI | **0.15** | SI | **0.02** | **0.64** | **0.52** | **0.40** | 0.18 | 0.30 | 29.70 | 7.22 | **0.21** |  |
| 17 | 17.16 | 2.55 | Mampostería | 0.1 | 6.97 | 2.55 | Mampostería | 0.12 | 9.11 | 6.85 | **0.40** | **0.12** | SI | **0.15** | SI | **0.02** | **0.81** | **0.69** | **0.57** | 0.30 | 0.00 | 17.16 | 0.00 | **0.30** |  |
| 18 | 14.17 | 2.55 | Mampostería | 0.1 | 3.95 | 2.55 | Mampostería | 0.12 | 10.1 | 6.16 | **0.43** | **0.12** | SI | **0.15** | SI | **0.02** | **0.85** | **0.73** | **0.60** | 0.30 | 0.00 | 14.17 | 0.00 | **0.30** |  |
| 19 | 24.07 | 2.55 | Mampostería | 0.1 | 12.5 | 0 | Mampostería | 0 | 0 | 4.78 | **0.20** | **0.12** | SI | **0.15** | SI | **0.02** | **0.61** | **0.49** | **0.37** | 0.18 | 0.00 | 24.07 | 0.00 | **0.18** |  |
| 20 | 20.24 | 2.55 | Mampostería | 0.1 | 2.7 | 0 | Mampostería | 0 | 0 | 1.03 | **0.05** | **0.12** | SI | **0.15** | SI | **0.02** | **0.47** | **0.35** | **0.22** | 0.18 | 0.00 | 20.24 | 0.00 | **0.18** |  |
| 21 | 18.44 | 2.55 | Mampostería | 0.12 | 7.7 | 0 | Mampostería | 0 | 0 | 3.53 | **0.19** | **0.12** | SI | **0.15** | SI | **0.02** | **0.61** | **0.49** | **0.36** | 0.18 | 0.30 | 18.44 | 9.50 | **0.24** |  |
| 22 | 18.84 | 2.55 | Mampostería | 0.1 | 4.78 | 0 | Mampostería | 0 | 0 | 1.83 | **0.10** | **0.12** | SI | **0.15** | SI | **0.02** | **0.51** | **0.39** | **0.27** | 0.18 | 0.00 | 18.84 | 0.00 | **0.18** |  |
| 23 | 24.75 | 2.55 | Mampostería | 0.1 | 10.6 | 0 | Mampostería | 0 | 0 | 4.04 | **0.16** | **0.12** | SI | **0.15** | SI | **0.02** | **0.58** | **0.46** | **0.33** | 0.18 | 0.00 | 24.75 | 0.00 | **0.18** |  |
| 24 | 15.048 | 0 | Mampostería | 0 | 0 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.12** | SI | **0.15** | SI | **0.02** | **0.41** | **0.29** | **0.17** | 0.18 | 0.00 | 15.05 | 0.00 | **0.18** |  |
| 25 | 15.74 | 0 | Mampostería | 0 | 0 | 0 | Mampostería | 0 | 0 | 0.00 | **0.00** | **0.12** | SI | **0.15** | SI | **0.02** | **0.41** | **0.29** | **0.17** | 0.18 | 0.00 | 15.74 | 0.00 | **0.18** |  |
| 26 | 24.03 | 2.55 | Mampostería | 0.1 | 8.04 | 0 | Mampostería | 0 | 0 | 3.08 | **0.13** | **0.12** | SI | **0.15** | SI | **0.02** | **0.54** | **0.42** | **0.30** | 0.18 | 0.00 | 24.03 | 0.00 | **0.18** |  |

**LOSA 8: Piso 5 al 19.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **DENSIDADES CONSIDERADAS** | | |  | **CARGAS POR METRO CUADRADO CONSIDERADAS** | | | |
| **DESCRIPCIÓN** | **VALOR CARGA** | **UNIDAD** |  | **CARGA MUERTA** | **PESO (tf/m2)** | **CARGA VIVA** | **PESO (tf/m2)** |
| **Mampostería** | 1.50 | tf/m3 |  | **Acabados** | 0.15 | Escaleras | 0.30 |
| **Concreto** | 2.40 | tf/m3 |  | **Cielo falso** | 0.02 | Apartamentos | 0.18 |
| **Divisiones en drywall** | 22.40 | kg/m2 área vertical |  | **Nervios** | 0.12 | Balcones | 0.50 |
| **Vidrieras piso-techo** | 25.00 | kg/m2 área vertical |  | **Loseta** | 0.12 | Corredores | 0.30 |
| **Ventanas** | 15.00 | kg/m2 área vertical |  | **Aligerante** | 0.00 | Parqueaderos | 0.25 |
| **Tierra** | 2.00 | tf/m3 |  | **Granizo** | 0.10 | Cuartos útiles | 0.25 |
| **Barandas** | 0.03 | tf/m |  |  |  | Jardineras | 0.18 |
|  |  |  |  |  |  | Zonas sociales | 0.50 |

Imagen que contiene Gráfico

Descripción generada automáticamente

Diagrama, Escala de tiempo

Descripción generada automáticamente

**Figura 19. Identificación de páneles de carga en Losa 8.**

**5.1. Losas nervadas (Piso tipo y cubierta)**

A continuacion se presenta el chequeo de la loseta para piso tipo, el sistema de losa en losas de apartametos se propone como losa nervda en dos direcciones con espesor de loseta de 5.0 cm y casetón predominante de 1.20 m x 1.20 m, para la losa de cubierta se propone loseta de espesor de 7.0cm.

* **Losa tipo (Apartamentos)**



* **Losa Cubierta**



* 1. **Diseño de vigas.**

Como se indicó en el numeral 1, para el análisis y diseño de los elementos estructurales se empleó el programa ETABS y para el despiece se empleó el programa DC-CAD, activando la opción de diseño que incluye el cortante máximo probable (cortante plástico), dando cumplimiento al numeral C.21.3.3.1 de la NSR-10.

Para ver el resultado del diseño de las vigas de losas se adjunta el ANEXO 1.



* 1. **Diseño de nervios.**

Para el diseño de los nervios, se realizó un modelo empleando el programa ETABS. El refuerzo se sacó empleando el DC-CAD. El resultado, se adjunta en el ANEXO 2.

Las deformaciones a largo plazo, se verificaron con la siguiente combinación de carga:

2DEAD-2PP+2(%)LIVE+LIVE

Para los piso tipo que será con uso de vivienda , se tomó el 40% de la carga viva, quedando la siguiente combinación:

2DEAD-2PP+1.8LIVE

Imagen que contiene cama

Descripción generada automáticamente

**Figura 18. Modelo de nervios (Losa 2 - Sótano 2).**

Diagrama

Descripción generada automáticamente

**Figura 19. Deflexiones (Losa 2).**

Diagrama

Descripción generada automáticamente

**Figura 20. Modelo de nervios (Losa tipo - Piso 5 al 19).**

Diagrama

Descripción generada automáticamente

**Figura 21. Deflexiones (Losa tipo - Piso 5 al 19).**