

# Summary of calculation info (v22\_06)

*Project name (ax number):* Petanque Club Dordrecht *Date* 31.1.2023 p. 1/3  
*Location:* 0 - NL

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## Geometry

|                               |    |     |
|-------------------------------|----|-----|
| Width                         | 14 | m   |
| Length                        | 28 | m   |
| Height                        | 4  | m   |
| Roof slope                    | 10 | deg |
| Span (assume equal distances) | 4  | m   |

## Foundation

|                   |                              |
|-------------------|------------------------------|
| Frame columns     | Expansion bolts (2x M20x160) |
| Gable end columns | Expansion bolts (2x M20x160) |

## Frame calculation files

File 1 [Click here to copy StrEngS file path for Tekla import](#) C:\ZhYo\Fris

|         |       |
|---------|-------|
| Columns | 2C300 |
| Beams   | 2C300 |

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## Gable end structure

Gable end columns **C300x2.0**

### Positions wall IV (front)

|             | <u>X-position</u> | <u>Bracing 1</u> | <u>Bracing 2</u> | <u>Bracing 3</u> | <u>Bracing 4</u> | <u>Bracing 5</u> | <u>Thickness</u> |
|-------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| <u>IV.1</u> | 2.00m             | 0.00m            | 0.00m            | 0.00m            | 0.00m            | 0.00m            | 2.0              |
| <u>IV.2</u> | 5.00m             | 0.00m            | 0.00m            | 0.00m            | 0.00m            | 0.00m            | 2.0              |
| <u>IV.3</u> | 9.00m             | 0.00m            | 0.00m            | 0.00m            | 0.00m            | 0.00m            | 2.0              |
| <u>IV.4</u> | 12.00m            | 0.00m            | 0.00m            | 0.00m            | 0.00m            | 0.00m            | 2.0              |

### Positions wall II (back)

|             | <u>X-position</u> | <u>Bracing 1</u> | <u>Bracing 2</u> | <u>Bracing 3</u> | <u>Bracing 4</u> | <u>Bracing 5</u> | <u>Thickness</u> |
|-------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| <u>II.1</u> | 2.00m             | 0.00m            | 0.00m            | 0.00m            | 0.00m            | 0.00m            | 2.0              |
| <u>II.2</u> | 5.00m             | 0.00m            | 0.00m            | 0.00m            | 0.00m            | 0.00m            | 2.0              |
| <u>II.3</u> | 9.00m             | 0.00m            | 0.00m            | 0.00m            | 0.00m            | 0.00m            | 2.0              |
| <u>II.4</u> | 12.00m            | 0.00m            | 0.00m            | 0.00m            | 0.00m            | 0.00m            | 2.0              |

## Building envelope - WALL

Type **Wall girts + SW-Panels**

Wall girts **Zw 120 x 1.5 - System V**

Wall girt interdistance (average) **1.875** m

## Building envelope - ROOF

Type **Purlins + SW-Panels**

Roof purlins **Zw 120 x 1.25 - System IV**

Purlin interdistance **1.523** m

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### Rain water - Sloped roofs

[Click here to jump to the drawing of rain water outlets](#)