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| **Report** |  |  |  | | | | | |
|  |  |  |  | | | | | |
|  |  |  |  | | | | | |
| Prepared by: | | | |  | | Prepared for: | |  |
| SDC Verifier |  | | | | | company |  | |
| +31 15 30-10-310 |  | | | | | +31 15 555-55-55 |  | |
| sdcverifier.com |  | | | | | company.com |  | |
| Zijlvest 25 2011 VB Haarlem The Netherlands | | | |  | | Zijlvest 25 2011 VB Haarlem The Netherlands | |  |
|  |  |  |  | | | | | |
|  |  |  |  | | | | | |
| **Engineer:** | | | | Support |  | | |  |
| **Customer:** | | | | customer |  | | |  |
| **Project Number:** | | | |  |  | | |  |
| **Version:** | | | | 1 |  | | |  |
| **Date:** | | | | 04/09/2018 |  | | |  |

# 1..Plate Buckling DNV 2010

|  |  |
| --- | --- |
| Property | Value |
| Constants | 5 |
| Classifications | 0 |
| Standard Tables | 0 |
| Checks | 1 |

## Constant

|  |  |  |
| --- | --- | --- |
| Title | Value | Description |
| Gm | 1.15 | Resulting Material Factor |
| Beta | 1 | Factor from chapter 7.5.2 |
| T\_Factor | 1 | Thickness Factor (multiply on thickness and divide on stresses) |
| Continuous | 1 | continuous stiffener type |
| Sniped | 2 | continuous stiffener type |

## Checks

This paragraph contains checks descriptions with their results.

### 1..Plate Buckling (Plate Avg, Element Avg)

|  |  |
| --- | --- |
| Property | Value |
| Category | Plate Buckling |
| Parameter Count | 27 |
| Use Absolute Shear | No |
| Convert Stresses into plate direction | Yes |

Buckling (LG1, 3..Section X 3 (X = 73.36))

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Standard | 1..Plate Buckling DNV 2010 | | | | | Check | | [S1] 1..Plate Buckling (Plate Avg, Element Avg) | | | | |
| Load Group | LG1..Envelope | | | | | Section | | 3..Section X 3 (X = 73.36) | | | | |
| Search Type | Related To Last | | | | |  | |  | | | | |
| Section Title | | Plate Length | Plate Width | Plate Thickness | Sx in plate direction | Sy in plate direction | Sxy in plate direction | | Seqv | Buckling Factor Combined | Buckling Factor Overall | Load | |
| 3..Section X 3 (X = 73.36) [MaxID=53] | | 0.89 | 0.73 | 0.02 | -79.3e+6 | -27.5e+6 | -104.3e+6 | | 192.7e+6 | 0.92 | 0.96 | LS3 | |

Buckling Factor Overall (LG1, 3..Section X 3 (X = 73.36), v2)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | | | |
| Check | [S1] 1..Plate Buckling (Plate Avg, Element Avg) | Load Group | LG1..Envelope |
| Parameter | Buckling Factor Overall | Section | 3..Section X 3 (X = 73.36) |
| View | 2..Frames |  |  |