

Appendix 2: Nodal displacement from wind load

| Node No. | Displacements [mm] |                |                |                | Rotations [°]  |                |                |
|----------|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|
|          | u                  | u <sub>x</sub> | u <sub>y</sub> | u <sub>z</sub> | φ <sub>x</sub> | φ <sub>y</sub> | φ <sub>z</sub> |
| 1        | 0.0                | 0.0            | 0.0            | 0.0            | 0.00           | 0.00           | 0.00           |
| 2        | 0.0                | 0.0            | 0.0            | 0.0            | 0.00           | 0.00           | 0.00           |
| 3        | 0.2                | 0.0            | -0.2           | 0.2            | 0.00           | 0.00           | 0.00           |
| 4        | 0.2                | 0.0            | -0.2           | 0.1            | 0.00           | 0.00           | 0.00           |
| 5        | 0.2                | 0.0            | -0.2           | 0.0            | 0.00           | 0.00           | 0.00           |
| 6        | 0.7                | -0.2           | -0.6           | 0.1            | 0.00           | 0.00           | 0.00           |
| 7        | 0.0                | 0.0            | 0.0            | 0.0            | 0.00           | 0.00           | 0.00           |
| 8        | 0.8                | -0.2           | -0.7           | 0.3            | 0.00           | 0.00           | 0.00           |
| 9        | 1.4                | -0.3           | -1.3           | 0.3            | 0.01           | 0.00           | 0.00           |
| 10       | 1.4                | -0.4           | -1.3           | 0.5            | 0.01           | 0.00           | 0.00           |
| 11       | 0.7                | -0.2           | -0.7           | 0.2            | 0.00           | 0.00           | 0.00           |
| 12       | 2.0                | -0.5           | -1.9           | 0.3            | 0.01           | 0.00           | 0.00           |
| 13       | 2.0                | -0.5           | -2.0           | 0.3            | 0.01           | 0.00           | 0.00           |
| 14       | 2.1                | -0.5           | -2.0           | 0.5            | 0.01           | 0.00           | 0.00           |
| 15       | 3.3                | -0.7           | -3.2           | 0.4            | 0.01           | 0.00           | 0.00           |
| 16       | 3.4                | -0.7           | -3.3           | 0.6            | 0.01           | 0.00           | 0.00           |
| 17       | 1.4                | -0.4           | -1.3           | -0.4           | 0.01           | 0.00           | 0.00           |
| 18       | 5.0                | -0.9           | -4.9           | 0.5            | 0.01           | 0.00           | 0.00           |
| 19       | 4.8                | -0.9           | -4.7           | 0.4            | 0.01           | 0.00           | 0.00           |
| 20       | 4.8                | -0.9           | -4.7           | 0.6            | 0.01           | 0.00           | 0.00           |
| 21       | 0.1                | 0.0            | -0.1           | 0.1            | 0.00           | 0.00           | 0.00           |
| 22       | 0.1                | 0.0            | -0.1           | 0.0            | 0.00           | 0.00           | 0.00           |
| 23       | 0.1                | 0.0            | -0.1           | 0.0            | 0.00           | 0.00           | 0.00           |
| 24       | 0.2                | 0.0            | -0.1           | 0.1            | 0.00           | 0.00           | 0.00           |
| 25       | 0.2                | 0.0            | -0.2           | 0.1            | 0.00           | 0.00           | 0.00           |
| 26       | 0.2                | 0.0            | -0.1           | 0.1            | 0.00           | 0.00           | 0.00           |
| 27       | 0.2                | 0.0            | -0.1           | 0.1            | 0.00           | 0.00           | 0.00           |
| 28       | 0.2                | 0.0            | -0.1           | 0.1            | 0.00           | 0.00           | 0.00           |
| 29       | 0.2                | 0.0            | -0.2           | 0.1            | 0.00           | 0.00           | 0.00           |
| 30       | 0.2                | 0.0            | -0.1           | 0.1            | 0.00           | 0.00           | 0.00           |
| 31       | 0.2                | 0.0            | -0.1           | 0.1            | 0.00           | 0.00           | 0.00           |
| 32       | 0.4                | -0.1           | -0.3           | 0.1            | 0.00           | 0.00           | 0.00           |
| 33       | 0.4                | -0.1           | -0.3           | 0.1            | 0.00           | 0.00           | 0.00           |
| 34       | 0.4                | -0.1           | -0.4           | 0.2            | 0.00           | 0.00           | 0.00           |
| 35       | 0.4                | -0.1           | -0.4           | 0.2            | 0.00           | 0.00           | 0.00           |
| 36       | 0.6                | -0.1           | -0.5           | 0.2            | 0.00           | 0.00           | 0.00           |
| 37       | 0.6                | -0.1           | -0.5           | 0.2            | 0.00           | 0.00           | 0.00           |
| 38       | 0.7                | -0.2           | -0.6           | 0.2            | 0.00           | 0.00           | 0.00           |
| 39       | 0.7                | -0.2           | -0.6           | 0.2            | 0.00           | 0.00           | 0.00           |
| 40       | 0.9                | -0.2           | -0.8           | 0.3            | 0.00           | 0.00           | 0.00           |
| 41       | 0.9                | -0.2           | -0.8           | 0.3            | 0.00           | 0.00           | 0.00           |
| 42       | 1.0                | -0.3           | -0.9           | 0.3            | 0.00           | 0.00           | 0.00           |
| 43       | 1.0                | -0.3           | -0.9           | 0.3            | 0.00           | 0.00           | 0.00           |
| 44       | 1.4                | -0.3           | -1.3           | 0.3            | 0.01           | 0.00           | 0.00           |
| 45       | 1.8                | -0.4           | -1.7           | 0.4            | 0.01           | 0.00           | 0.00           |
| 46       | 1.8                | -0.4           | -1.7           | 0.4            | 0.01           | 0.00           | 0.00           |
| 47       | 1.8                | -0.4           | -1.7           | 0.4            | 0.01           | 0.00           | 0.00           |

| No. | $ u $ | $u_x$ | $u_y$ | $u_z$ | $\varphi_x$ | $\varphi_y$ | $\varphi_z$ |
|-----|-------|-------|-------|-------|-------------|-------------|-------------|
| 48  | 1.8   | -0.4  | -1.7  | 0.4   | 0.01        | 0.00        | 0.00        |
| 49  | 1.8   | -0.4  | -1.7  | 0.4   | 0.01        | 0.00        | 0.00        |
| 50  | 1.8   | -0.4  | -1.7  | 0.4   | 0.01        | 0.00        | 0.00        |
| 51  | 1.8   | -0.4  | -1.7  | 0.4   | 0.01        | 0.00        | 0.00        |
| 52  | 1.8   | -0.4  | -1.7  | 0.4   | 0.01        | 0.00        | 0.00        |
| 53  | 1.8   | -0.4  | -1.7  | 0.4   | 0.01        | 0.00        | 0.00        |
| 54  | 1.4   | -0.4  | -1.4  | 0.3   | 0.01        | 0.00        | 0.00        |
| 55  | 2.2   | -0.5  | -2.1  | 0.4   | 0.01        | 0.00        | 0.00        |
| 56  | 3.0   | -0.6  | -2.9  | 0.5   | 0.01        | 0.00        | 0.00        |
| 57  | 3.0   | -0.6  | -2.9  | 0.5   | 0.01        | 0.00        | 0.00        |
| 58  | 3.1   | -0.6  | -3.0  | 0.5   | 0.01        | 0.00        | 0.00        |
| 59  | 3.2   | -0.6  | -3.0  | 0.5   | 0.01        | 0.00        | 0.00        |
| 60  | 3.1   | -0.6  | -3.0  | 0.5   | 0.01        | 0.00        | 0.00        |
| 61  | 2.1   | -0.5  | -1.9  | -0.5  | 0.01        | 0.00        | 0.00        |
| 62  | 3.0   | -0.6  | -2.9  | 0.5   | 0.01        | 0.00        | 0.00        |
| 63  | 3.0   | -0.6  | -2.9  | 0.5   | 0.01        | 0.00        | 0.00        |
| 64  | 2.2   | -0.5  | -2.1  | 0.4   | 0.01        | 0.00        | 0.00        |
| 65  | 3.5   | -0.7  | -3.4  | 0.4   | 0.01        | 0.00        | 0.00        |
| 66  | 4.3   | -0.8  | -4.2  | 0.5   | 0.01        | 0.00        | 0.00        |
| 67  | 4.4   | -0.8  | -4.3  | 0.5   | 0.01        | 0.00        | 0.00        |
| 68  | 4.4   | -0.8  | -4.4  | 0.5   | 0.01        | 0.00        | 0.00        |
| 69  | 4.6   | -0.8  | -4.5  | 0.5   | 0.01        | 0.00        | 0.00        |
| 70  | 4.5   | -0.8  | -4.4  | 0.5   | 0.01        | 0.00        | 0.00        |
| 71  | 4.5   | -0.8  | -4.4  | 0.5   | 0.01        | 0.00        | 0.00        |
| 72  | 4.4   | -0.8  | -4.3  | 0.5   | 0.01        | 0.00        | 0.00        |
| 73  | 3.6   | -0.7  | -3.5  | 0.5   | 0.01        | 0.00        | 0.00        |
| 74  | 3.6   | -0.7  | -3.5  | 0.5   | 0.01        | 0.00        | 0.00        |
| 75  | 4.4   | -0.8  | -4.3  | 0.5   | 0.01        | 0.00        | 0.00        |
| 76  | 4.5   | -0.8  | -4.4  | 0.5   | 0.01        | 0.00        | 0.00        |
| 77  | 4.5   | -0.8  | -4.4  | 0.5   | 0.01        | 0.00        | 0.00        |
| 78  | 4.6   | -0.8  | -4.4  | 0.5   | 0.01        | 0.00        | 0.00        |
| 79  | 4.5   | -0.8  | -4.4  | 0.5   | 0.01        | 0.00        | 0.00        |
| 80  | 4.4   | -0.8  | -4.3  | 0.6   | 0.01        | 0.00        | 0.00        |
| 81  | 4.3   | -0.8  | -4.2  | 0.6   | 0.01        | 0.00        | 0.00        |
| 82  | 3.6   | -0.7  | -3.5  | 0.5   | 0.01        | 0.00        | 0.00        |
| 84  | 3.4   | -0.7  | -3.2  | -0.5  | 0.01        | 0.00        | 0.00        |
| 85  | 0.2   | 0.0   | -0.2  | -0.2  | 0.00        | 0.00        | 0.00        |
| 86  | 0.8   | -0.2  | -0.7  | -0.3  | 0.00        | 0.00        | 0.00        |
| 87  | 3.4   | -0.7  | -3.2  | -0.5  | 0.01        | 0.00        | 0.00        |
| 88  | 2.1   | -0.5  | -2.0  | -0.5  | 0.01        | 0.00        | 0.00        |
| 89  | 4.8   | -0.9  | -4.7  | -0.5  | 0.01        | 0.00        | 0.00        |
| 90  | 0.6   | -0.2  | -0.6  | -0.1  | 0.00        | 0.00        | 0.00        |
| 91  | 1.4   | -0.3  | -1.3  | -0.2  | 0.01        | 0.00        | 0.00        |
| 92  | 2.0   | -0.5  | -2.0  | -0.3  | 0.01        | 0.00        | 0.00        |
| 93  | 3.4   | -0.7  | -3.3  | -0.4  | 0.01        | 0.00        | 0.00        |
| 94  | 4.8   | -0.9  | -4.7  | -0.4  | 0.01        | 0.00        | 0.00        |
| 95  | 0.8   | -0.2  | -0.7  | -0.3  | 0.00        | 0.00        | 0.00        |
| 96  | 0.0   | 0.0   | 0.0   | 0.0   | 0.00        | 0.00        | 0.00        |
| 97  | 3.4   | -0.7  | -3.3  | -0.3  | 0.01        | 0.00        | 0.00        |

| Node No. | Displacements [mm] |                |                |                | Rotations [°]  |                |                |
|----------|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|
|          | u                  | u <sub>x</sub> | u <sub>y</sub> | u <sub>z</sub> | φ <sub>x</sub> | φ <sub>y</sub> | φ <sub>z</sub> |
| 100      | 0.1                | 0.0            | -0.1           | 0.1            | 0.00           | 0.00           | 0.00           |
| 101      | 0.1                | 0.0            | -0.1           | 0.0            | 0.00           | 0.00           | 0.00           |
| 102      | 0.2                | 0.0            | -0.2           | 0.1            | 0.00           | 0.00           | 0.00           |
| 103      | 0.2                | 0.0            | -0.2           | 0.1            | 0.00           | 0.00           | 0.00           |
| 104      | 0.2                | 0.0            | -0.2           | -0.1           | 0.00           | 0.00           | 0.00           |
| 105      | 0.2                | 0.0            | -0.2           | -0.2           | 0.00           | 0.00           | 0.00           |
| 106      | 0.1                | 0.0            | -0.1           | 0.0            | 0.00           | 0.00           | 0.00           |
| 107      | 0.1                | 0.0            | -0.1           | -0.1           | 0.00           | 0.00           | 0.00           |
| 108      | 3.6                | -0.7           | -3.4           | -0.5           | 0.01           | 0.00           | 0.00           |
| 109      | 4.3                | -0.8           | -4.2           | -0.5           | 0.01           | 0.00           | 0.00           |
| 110      | 4.4                | -0.8           | -4.2           | -0.5           | 0.01           | 0.00           | 0.00           |
| 111      | 0.2                | 0.0            | -0.2           | 0.0            | 0.00           | 0.00           | 0.00           |
| 112      | 0.2                | 0.0            | -0.2           | 0.1            | 0.00           | 0.00           | 0.00           |
| 113      | 0.2                | 0.0            | -0.2           | 0.0            | 0.00           | 0.00           | 0.00           |
| 114      | 0.2                | 0.0            | -0.2           | -0.1           | 0.00           | 0.00           | 0.00           |
| 115      | 0.2                | 0.0            | -0.2           | 0.0            | 0.00           | 0.00           | 0.00           |
| 116      | 0.2                | 0.0            | -0.2           | 0.0            | 0.00           | 0.00           | 0.00           |
| 117      | 0.2                | 0.0            | -0.2           | 0.0            | 0.00           | 0.00           | 0.00           |
| 118      | 0.2                | 0.0            | -0.2           | 0.0            | 0.00           | 0.00           | 0.00           |
| 119      | 0.5                | -0.1           | -0.4           | 0.1            | 0.00           | 0.00           | 0.00           |
| 120      | 0.5                | -0.1           | -0.4           | 0.3            | 0.00           | 0.00           | 0.00           |
| 121      | 0.4                | -0.1           | -0.4           | -0.1           | 0.00           | 0.00           | 0.00           |
| 122      | 0.6                | -0.1           | -0.5           | -0.3           | 0.00           | 0.00           | 0.00           |
| 123      | 0.8                | -0.2           | -0.7           | 0.2            | 0.00           | 0.00           | 0.00           |
| 124      | 0.7                | -0.2           | -0.7           | -0.2           | 0.00           | 0.00           | 0.00           |
| 125      | 0.7                | -0.2           | -0.6           | 0.1            | 0.00           | 0.00           | 0.00           |
| 126      | 0.7                | -0.2           | -0.7           | -0.1           | 0.00           | 0.00           | 0.00           |
| 127      | 0.7                | -0.2           | -0.7           | -0.1           | 0.00           | 0.00           | 0.00           |
| 128      | 0.7                | -0.2           | -0.6           | 0.1            | 0.00           | 0.00           | 0.00           |
| 129      | 0.7                | -0.2           | -0.7           | 0.0            | 0.00           | 0.00           | 0.00           |
| 130      | 0.7                | -0.2           | -0.7           | 0.0            | 0.00           | 0.00           | 0.00           |
| 131      | 1.0                | -0.3           | -0.9           | 0.4            | 0.00           | 0.00           | 0.00           |
| 132      | 0.9                | -0.3           | -0.9           | -0.2           | 0.00           | 0.00           | 0.00           |
| 133      | 1.0                | -0.2           | -0.9           | 0.2            | 0.00           | 0.00           | 0.00           |
| 134      | 1.0                | -0.3           | -0.9           | -0.4           | 0.00           | 0.00           | 0.00           |
| 135      | 1.4                | -0.3           | -1.3           | 0.3            | 0.01           | 0.00           | 0.00           |
| 136      | 1.4                | -0.3           | -1.3           | 0.3            | 0.01           | 0.00           | 0.00           |
| 137      | 1.4                | -0.4           | -1.3           | -0.3           | 0.00           | 0.00           | 0.00           |
| 138      | 1.3                | -0.4           | -1.3           | 0.1            | 0.00           | 0.00           | 0.00           |
| 139      | 1.3                | -0.4           | -1.3           | 0.1            | 0.00           | 0.00           | 0.00           |
| 140      | 1.4                | -0.4           | -1.3           | -0.3           | 0.00           | 0.00           | 0.00           |
| 141      | 1.4                | -0.4           | -1.3           | -0.1           | 0.00           | 0.00           | 0.00           |
| 142      | 1.4                | -0.4           | -1.3           | -0.1           | 0.00           | 0.00           | 0.00           |
| 143      | 1.4                | -0.4           | -1.3           | 0.0            | 0.00           | 0.00           | 0.00           |
| 144      | 1.4                | -0.4           | -1.3           | 0.0            | 0.00           | 0.00           | 0.00           |
| 145      | 1.4                | -0.4           | -1.3           | 0.0            | 0.00           | 0.00           | 0.00           |
| 146      | 1.4                | -0.4           | -1.3           | 0.0            | 0.00           | 0.00           | 0.00           |
| 147      | 4.4                | -0.8           | -4.3           | -0.5           | 0.01           | 0.00           | 0.00           |

| Node No. | Displacements [mm] |                |                |                | Rotations [°]  |                |                |
|----------|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|
|          | u                  | u <sub>x</sub> | u <sub>y</sub> | u <sub>z</sub> | φ <sub>x</sub> | φ <sub>y</sub> | φ <sub>z</sub> |
| 148      | 4.5                | -0.9           | -4.4           | -0.5           | 0.01           | 0.00           | 0.00           |
| 149      | 4.5                | -0.8           | -4.4           | -0.5           | 0.01           | 0.00           | 0.00           |
| 150      | 4.4                | -0.8           | -4.3           | -0.5           | 0.01           | 0.00           | 0.00           |
| 151      | 4.3                | -0.8           | -4.2           | -0.5           | 0.01           | 0.00           | 0.00           |
| 152      | 3.6                | -0.7           | -3.5           | -0.4           | 0.01           | 0.00           | 0.00           |
| 153      | 3.6                | -0.7           | -3.5           | -0.4           | 0.01           | 0.00           | 0.00           |
| 154      | 4.3                | -0.8           | -4.2           | -0.4           | 0.01           | 0.00           | 0.00           |
| 155      | 4.4                | -0.8           | -4.3           | -0.4           | 0.01           | 0.00           | 0.00           |
| 156      | 4.5                | -0.8           | -4.4           | -0.4           | 0.01           | 0.00           | 0.00           |
| 157      | 0.3                | -0.1           | -0.3           | 0.1            | 0.00           | 0.00           | 0.00           |
| 158      | 0.3                | -0.1           | -0.3           | 0.1            | 0.00           | 0.00           | 0.00           |
| 159      | 0.3                | -0.1           | -0.3           | 0.1            | 0.00           | 0.00           | 0.00           |
| 160      | 0.3                | -0.1           | -0.3           | 0.1            | 0.00           | 0.00           | 0.00           |
| 161      | 0.5                | -0.1           | -0.5           | 0.1            | 0.00           | 0.00           | 0.00           |
| 162      | 0.5                | -0.1           | -0.5           | 0.1            | 0.00           | 0.00           | 0.00           |
| 163      | 0.6                | -0.2           | -0.6           | 0.1            | 0.00           | 0.00           | 0.00           |
| 164      | 0.6                | -0.2           | -0.5           | 0.1            | 0.00           | 0.00           | 0.00           |
| 165      | 0.8                | -0.2           | -0.7           | 0.1            | 0.00           | 0.00           | 0.00           |
| 166      | 0.8                | -0.2           | -0.7           | 0.1            | 0.00           | 0.00           | 0.00           |
| 167      | 1.0                | -0.3           | -0.9           | 0.1            | 0.00           | 0.00           | 0.00           |
| 168      | 0.9                | -0.3           | -0.9           | 0.1            | 0.00           | 0.00           | 0.00           |
| 169      | 1.4                | -0.4           | -1.3           | 0.1            | 0.00           | 0.00           | 0.00           |
| 170      | 1.4                | -0.4           | -1.3           | 0.1            | 0.00           | 0.00           | 0.00           |
| 171      | 1.7                | -0.4           | -1.7           | 0.1            | 0.01           | 0.00           | 0.00           |
| 172      | 1.8                | -0.4           | -1.7           | 0.1            | 0.01           | 0.00           | 0.00           |
| 173      | 1.8                | -0.4           | -1.7           | 0.1            | 0.00           | 0.00           | 0.00           |
| 174      | 1.8                | -0.4           | -1.8           | 0.1            | 0.00           | 0.00           | 0.00           |
| 175      | 1.8                | -0.4           | -1.7           | 0.1            | 0.00           | 0.00           | 0.00           |
| 176      | 1.8                | -0.4           | -1.7           | 0.1            | 0.01           | 0.00           | 0.00           |
| 177      | 1.7                | -0.4           | -1.7           | 0.1            | 0.01           | 0.00           | 0.00           |
| 178      | 2.1                | -0.5           | -2.0           | 0.1            | 0.00           | 0.00           | 0.00           |
| 179      | 2.1                | -0.5           | -2.0           | 0.2            | 0.00           | 0.00           | 0.00           |
| 180      | 2.9                | -0.6           | -2.8           | 0.2            | 0.01           | 0.00           | 0.00           |
| 181      | 2.9                | -0.6           | -2.9           | 0.2            | 0.01           | 0.00           | 0.00           |
| 182      | 3.0                | -0.6           | -2.9           | 0.2            | 0.01           | 0.00           | 0.00           |
| 183      | 3.0                | -0.6           | -3.0           | 0.1            | 0.00           | 0.00           | 0.00           |
| 184      | 3.0                | -0.6           | -2.9           | 0.1            | 0.01           | 0.00           | 0.00           |
| 185      | 2.9                | -0.6           | -2.9           | 0.1            | 0.01           | 0.00           | 0.00           |
| 186      | 2.9                | -0.6           | -2.8           | 0.1            | 0.01           | 0.00           | 0.00           |
| 187      | 3.5                | -0.7           | -3.4           | 0.2            | 0.00           | 0.00           | 0.00           |
| 188      | 3.5                | -0.7           | -3.4           | 0.3            | 0.01           | 0.00           | 0.00           |
| 189      | 4.2                | -0.8           | -4.1           | 0.3            | 0.01           | 0.00           | 0.00           |
| 190      | 4.3                | -0.8           | -4.2           | 0.3            | 0.01           | 0.00           | 0.00           |
| 191      | 4.3                | -0.8           | -4.2           | 0.3            | 0.01           | 0.00           | 0.00           |
| 192      | 4.4                | -0.8           | -4.3           | 0.2            | 0.00           | 0.00           | 0.00           |
| 193      | 4.3                | -0.8           | -4.3           | 0.2            | 0.01           | 0.00           | 0.00           |
| 194      | 4.3                | -0.8           | -4.2           | 0.2            | 0.01           | 0.00           | 0.00           |
| 195      | 4.2                | -0.8           | -4.2           | 0.2            | 0.01           | 0.00           | 0.00           |

| Node No. | Displacements [mm] |                |                |                | Rotations [°]  |                |                |
|----------|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|
|          | u                  | u <sub>x</sub> | u <sub>y</sub> | u <sub>z</sub> | φ <sub>x</sub> | φ <sub>y</sub> | φ <sub>z</sub> |
| 196      | 3.5                | -0.7           | -3.4           | -0.1           | 0.01           | 0.00           | 0.00           |
| 197      | 3.5                | -0.7           | -3.4           | 0.1            | 0.00           | 0.00           | 0.00           |
| 198      | 4.2                | -0.8           | -4.2           | 0.1            | 0.01           | 0.00           | 0.00           |
| 199      | 4.3                | -0.8           | -4.2           | 0.1            | 0.01           | 0.00           | 0.00           |
| 200      | 4.3                | -0.8           | -4.3           | 0.0            | 0.01           | 0.00           | 0.00           |
| 201      | 4.4                | -0.8           | -4.3           | 0.0            | 0.01           | 0.00           | 0.00           |
| 202      | 4.3                | -0.8           | -4.2           | -0.1           | 0.01           | 0.00           | 0.00           |
| 203      | 4.3                | -0.8           | -4.2           | -0.1           | 0.01           | 0.00           | 0.00           |
| 204      | 4.2                | -0.8           | -4.1           | -0.1           | 0.01           | 0.00           | 0.00           |
| 205      | 1.4                | -0.4           | -1.3           | -0.1           | 0.00           | 0.00           | 0.00           |
| 206      | 1.4                | -0.4           | -1.3           | -0.1           | 0.00           | 0.00           | 0.00           |
| 207      | 1.4                | -0.4           | -1.4           | -0.1           | 0.00           | 0.00           | 0.00           |
| 208      | 1.4                | -0.4           | -1.4           | -0.1           | 0.00           | 0.00           | 0.00           |
| 209      | 2.1                | -0.5           | -2.1           | 0.0            | 0.00           | 0.00           | 0.00           |
| 210      | 2.1                | -0.5           | -2.1           | -0.1           | 0.00           | 0.00           | 0.00           |
| 211      | 2.3                | -0.5           | -2.2           | -0.1           | 0.01           | 0.00           | 0.00           |
| 212      | 2.3                | -0.5           | -2.2           | 0.0            | 0.01           | 0.00           | 0.00           |
| 213      | 2.4                | -0.5           | -2.3           | 0.0            | 0.01           | 0.00           | 0.00           |
| 214      | 2.4                | -0.5           | -2.3           | -0.1           | 0.01           | 0.00           | 0.00           |
| 215      | 2.9                | -0.6           | -2.9           | -0.1           | 0.01           | 0.00           | 0.00           |
| 216      | 3.0                | -0.6           | -2.9           | -0.1           | 0.01           | 0.00           | 0.00           |
| 217      | 3.0                | -0.6           | -3.0           | -0.1           | 0.00           | 0.00           | 0.00           |
| 218      | 3.1                | -0.6           | -3.0           | 0.0            | 0.00           | 0.00           | 0.00           |
| 219      | 3.0                | -0.6           | -3.0           | 0.0            | 0.00           | 0.00           | 0.00           |
| 220      | 3.0                | -0.6           | -2.9           | 0.0            | 0.01           | 0.00           | 0.00           |
| 221      | 3.0                | -0.6           | -2.9           | 0.0            | 0.01           | 0.00           | 0.00           |
| 222      | 3.5                | -0.7           | -3.4           | 0.2            | 0.01           | 0.00           | 0.00           |
| 223      | 3.5                | -0.7           | -3.4           | 0.0            | 0.01           | 0.00           | 0.00           |
| 224      | 4.2                | -0.8           | -4.1           | 0.0            | 0.01           | 0.00           | 0.00           |
| 225      | 4.3                | -0.8           | -4.2           | 0.0            | 0.01           | 0.00           | 0.00           |
| 226      | 4.3                | -0.9           | -4.3           | 0.0            | 0.01           | 0.00           | 0.00           |
| 227      | 4.4                | -0.9           | -4.3           | 0.1            | 0.00           | 0.00           | 0.00           |
| 228      | 4.3                | -0.9           | -4.2           | 0.2            | 0.01           | 0.00           | 0.00           |
| 229      | 4.2                | -0.8           | -4.1           | 0.2            | 0.01           | 0.00           | 0.00           |
| 230      | 4.3                | -0.9           | -4.2           | 0.1            | 0.01           | 0.00           | 0.00           |
| 231      | 3.5                | -0.7           | -3.4           | -0.1           | 0.00           | 0.00           | 0.00           |
| 232      | 3.5                | -0.7           | -3.4           | -0.3           | 0.01           | 0.00           | 0.00           |
| 233      | 4.2                | -0.8           | -4.1           | -0.3           | 0.01           | 0.00           | 0.00           |
| 234      | 4.3                | -0.8           | -4.2           | -0.3           | 0.01           | 0.00           | 0.00           |
| 235      | 4.3                | -0.8           | -4.2           | -0.3           | 0.01           | 0.00           | 0.00           |
| 236      | 4.4                | -0.8           | -4.3           | -0.2           | 0.01           | 0.00           | 0.00           |
| 237      | 4.3                | -0.8           | -4.3           | -0.1           | 0.01           | 0.00           | 0.00           |
| 238      | 4.2                | -0.8           | -4.2           | -0.1           | 0.01           | 0.00           | 0.00           |
| 239      | 4.3                | -0.8           | -4.2           | -0.1           | 0.01           | 0.00           | 0.00           |
| 240      | 4.5                | -0.8           | -4.4           | -0.4           | 0.01           | 0.00           | 0.00           |
| 241      | 4.4                | -0.8           | -4.3           | -0.4           | 0.01           | 0.00           | 0.00           |
| 242      | 4.3                | -0.8           | -4.2           | -0.4           | 0.01           | 0.00           | 0.00           |
| 243      | 4.3                | -0.8           | -4.2           | -0.4           | 0.01           | 0.00           | 0.00           |

| Node No. | Displacements [mm] |                |                |                | Rotations [°]  |                |                |
|----------|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|
|          | u                  | u <sub>x</sub> | u <sub>y</sub> | u <sub>z</sub> | φ <sub>x</sub> | φ <sub>y</sub> | φ <sub>z</sub> |
| 244      | 3.6                | -0.7           | -3.5           | -0.4           | 0.01           | 0.00           | 0.00           |
| 247      | 2.2                | -0.5           | -2.1           | -0.4           | 0.01           | 0.00           | 0.00           |
| 248      | 3.0                | -0.6           | -2.9           | -0.4           | 0.01           | 0.00           | 0.00           |
| 249      | 3.0                | -0.6           | -2.9           | -0.4           | 0.01           | 0.00           | 0.00           |
| 250      | 3.1                | -0.7           | -3.0           | -0.4           | 0.01           | 0.00           | 0.00           |
| 251      | 3.1                | -0.7           | -3.0           | -0.4           | 0.01           | 0.00           | 0.00           |
| 252      | 3.1                | -0.6           | -3.0           | -0.4           | 0.01           | 0.00           | 0.00           |
| 253      | 3.0                | -0.6           | -2.9           | -0.4           | 0.01           | 0.00           | 0.00           |
| 254      | 3.0                | -0.6           | -2.9           | -0.4           | 0.01           | 0.00           | 0.00           |
| 255      | 2.2                | -0.5           | -2.1           | -0.4           | 0.01           | 0.00           | 0.00           |
| 256      | 1.4                | -0.4           | -1.3           | -0.3           | 0.01           | 0.00           | 0.00           |
| 257      | 1.4                | -0.4           | -1.3           | -0.3           | 0.01           | 0.00           | 0.00           |
| 258      | 1.8                | -0.4           | -1.7           | -0.4           | 0.01           | 0.00           | 0.00           |
| 259      | 1.8                | -0.4           | -1.7           | -0.4           | 0.01           | 0.00           | 0.00           |
| 260      | 1.8                | -0.4           | -1.7           | -0.4           | 0.01           | 0.00           | 0.00           |
| 261      | 1.8                | -0.4           | -1.7           | -0.4           | 0.01           | 0.00           | 0.00           |
| 262      | 1.8                | -0.4           | -1.7           | -0.4           | 0.01           | 0.00           | 0.00           |
| 263      | 1.8                | -0.4           | -1.7           | -0.4           | 0.01           | 0.00           | 0.00           |
| 264      | 1.8                | -0.4           | -1.7           | -0.4           | 0.01           | 0.00           | 0.00           |
| 265      | 1.8                | -0.4           | -1.7           | -0.4           | 0.01           | 0.00           | 0.00           |
| 266      | 1.8                | -0.4           | -1.7           | -0.4           | 0.01           | 0.00           | 0.00           |
| 345      | 0.0                | 0.0            | 0.0            | 0.0            | 0.00           | 0.00           | 0.00           |
| 346      | 0.0                | 0.0            | 0.0            | 0.0            | 0.00           | 0.00           | 0.00           |
| 359      | 0.0                | 0.0            | 0.0            | 0.0            | 0.00           | 0.00           | 0.00           |
| 360      | 0.0                | 0.0            | 0.0            | 0.0            | 0.00           | 0.00           | 0.00           |
| 361      | 0.0                | 0.0            | 0.0            | 0.0            | 0.00           | 0.00           | 0.00           |
| 362      | 0.2                | 0.0            | -0.2           | 0.1            | 0.00           | 0.00           | 0.00           |
| 363      | 0.7                | -0.1           | -0.6           | 0.2            | 0.00           | 0.00           | 0.00           |
| 370      | 0.1                | 0.0            | -0.1           | 0.1            | 0.00           | 0.00           | 0.00           |
| 371      | 0.5                | 0.0            | -0.5           | 0.2            | 0.00           | 0.00           | 0.00           |
| 372      | 0.0                | 0.0            | 0.0            | 0.0            | 0.00           | 0.00           | 0.00           |
| 373      | 0.0                | 0.0            | 0.0            | 0.0            | 0.00           | 0.00           | 0.00           |
| 376      | 0.0                | 0.0            | 0.0            | 0.0            | 0.00           | 0.00           | 0.00           |
| 377      | 0.1                | 0.0            | -0.1           | 0.0            | 0.00           | 0.00           | 0.00           |
| 378      | 0.2                | 0.0            | -0.1           | -0.1           | 0.00           | 0.00           | 0.00           |
| 379      | 0.0                | 0.0            | 0.0            | 0.0            | 0.00           | 0.00           | 0.00           |
| 380      | 0.0                | 0.0            | 0.0            | 0.0            | 0.00           | 0.00           | 0.00           |
| 381      | 0.2                | 0.0            | -0.1           | -0.1           | 0.00           | 0.00           | 0.00           |
| 382      | 0.1                | 0.0            | -0.1           | 0.0            | 0.00           | 0.00           | 0.00           |
| 383      | 0.0                | 0.0            | 0.0            | 0.0            | 0.00           | 0.00           | 0.00           |
| 384      | 0.2                | 0.0            | -0.2           | 0.1            | 0.00           | 0.00           | 0.00           |
| 385      | 0.7                | -0.2           | -0.6           | 0.2            | 0.00           | 0.00           | 0.00           |
| 386      | 0.1                | 0.0            | -0.1           | 0.1            | 0.00           | 0.00           | 0.00           |
| 387      | 0.5                | -0.1           | -0.4           | 0.2            | 0.00           | 0.00           | 0.00           |
| 388      | 0.0                | 0.0            | 0.0            | 0.0            | 0.00           | 0.00           | 0.00           |
| 389      | 0.2                | 0.0            | -0.2           | 0.0            | 0.00           | 0.00           | 0.00           |
| 390      | 0.0                | 0.0            | 0.0            | 0.0            | 0.00           | 0.00           | 0.00           |
| 391      | 0.6                | -0.2           | -0.6           | -0.1           | 0.00           | 0.00           | 0.00           |

| Node No. | Displacements [mm] |                |                |                | Rotations [°]  |                |                |
|----------|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|
|          | u                  | u <sub>x</sub> | u <sub>y</sub> | u <sub>z</sub> | φ <sub>x</sub> | φ <sub>y</sub> | φ <sub>z</sub> |
| 392      | 0.1                | 0.0            | -0.1           | 0.0            | 0.00           | 0.00           | 0.00           |
| 393      | 0.4                | -0.1           | -0.4           | 0.0            | 0.00           | 0.00           | 0.00           |
| 394      | 0.0                | 0.0            | 0.0            | 0.0            | 0.00           | 0.00           | 0.00           |
| 395      | 0.2                | -0.2           | 0.0            | 0.0            | 0.00           | 0.00           | -0.01          |
| 396      | 0.0                | 0.0            | 0.0            | 0.0            | 0.00           | 0.00           | 0.00           |
| 397      | 0.0                | 0.0            | 0.0            | 0.0            | 0.00           | 0.00           | 0.00           |
| 398      | 0.0                | 0.0            | 0.0            | 0.0            | 0.00           | 0.00           | 0.00           |
| 399      | 0.0                | 0.0            | 0.0            | 0.0            | 0.00           | 0.00           | 0.00           |
| 400      | 0.4                | 0.0            | -0.4           | 0.0            | 0.00           | 0.00           | 0.00           |
| 401      | 0.4                | 0.0            | -0.4           | 0.0            | 0.00           | 0.00           | 0.00           |
| 402      | 0.2                | 0.0            | -0.2           | 0.0            | 0.00           | 0.00           | 0.00           |
| 403      | 0.1                | 0.0            | -0.1           | 0.0            | 0.00           | 0.00           | 0.00           |
| 404      | 0.0                | 0.0            | 0.0            | 0.0            | 0.00           | 0.00           | 0.00           |
| 405      | 0.0                | 0.0            | 0.0            | 0.0            | 0.00           | 0.00           | 0.00           |
| 411      | 2.1                | -0.5           | -2.0           | -0.3           | 0.01           | 0.00           | 0.00           |
| 412      | 2.1                | -0.5           | -2.0           | 0.4            | 0.01           | 0.00           | 0.00           |
| 413      | 2.1                | -0.5           | -2.0           | -0.4           | 0.01           | 0.00           | 0.00           |
| 414      | 2.1                | -0.5           | -2.0           | 0.4            | 0.01           | 0.00           | 0.00           |
| 415      | 2.0                | -0.5           | -2.0           | 0.0            | 0.00           | 0.00           | 0.00           |
| 416      | 2.0                | -0.5           | -2.0           | 0.0            | 0.00           | 0.00           | 0.00           |
| 417      | 2.5                | -0.6           | -2.5           | 0.0            | 0.00           | 0.00           | 0.00           |
| 418      | 2.5                | -0.6           | -2.5           | 0.0            | 0.00           | 0.00           | 0.00           |
| 419      | 2.4                | -0.6           | -2.3           | 0.0            | 0.00           | 0.00           | 0.00           |
| 420      | 2.0                | -0.5           | -2.0           | 0.3            | 0.01           | 0.00           | 0.00           |
| 421      | 2.0                | -0.5           | -2.0           | -0.2           | 0.01           | 0.00           | 0.00           |
| 422      | 2.4                | -0.6           | -2.3           | 0.0            | 0.00           | 0.00           | 0.00           |
| 423      | 2.0                | -0.5           | -2.0           | -0.2           | 0.01           | 0.00           | 0.00           |
| 424      | 2.0                | -0.5           | -2.0           | 0.2            | 0.01           | 0.00           | 0.00           |
| 425      | 2.5                | -0.6           | -2.5           | 0.0            | 0.00           | 0.00           | 0.00           |
| 430      | 2.0                | -0.5           | -2.0           | -0.1           | 0.00           | 0.00           | 0.00           |
| 431      | 2.0                | -0.5           | -1.9           | 0.1            | 0.00           | 0.00           | 0.00           |
| 432      | 2.0                | -0.5           | -2.0           | 0.0            | 0.00           | 0.00           | 0.00           |
| 433      | 2.0                | -0.5           | -2.0           | 0.1            | 0.00           | 0.00           | 0.00           |
| 667      | 4.8                | -0.9           | -4.7           | 0.6            | 0.01           | 0.00           | 0.00           |
| 668      | 4.8                | -0.9           | -4.7           | 0.4            | 0.01           | 0.00           | 0.00           |
| 718      | 4.8                | -0.9           | -4.7           | -0.4           | 0.01           | 0.00           | 0.00           |
| 719      | 4.8                | -0.9           | -4.7           | -0.3           | 0.01           | 0.00           | 0.00           |
| 752      | 4.8                | -0.9           | -4.7           | -0.5           | 0.01           | 0.00           | 0.00           |
| 1184     | 4.7                | -0.9           | -4.7           | 0.0            | 0.01           | 0.00           | 0.00           |
| 1185     | 4.7                | -0.9           | -4.7           | 0.3            | 0.01           | 0.00           | 0.00           |
| 1186     | 4.8                | -0.9           | -4.7           | 0.5            | 0.01           | 0.00           | 0.00           |
| 1196     | 4.8                | -0.9           | -4.7           | 0.3            | 0.01           | 0.00           | 0.00           |
| 1198     | 4.8                | -0.9           | -4.7           | 0.1            | 0.01           | 0.00           | 0.00           |
| 1199     | 4.7                | -0.9           | -4.7           | -0.2           | 0.01           | 0.00           | 0.00           |
| 1200     | 4.9                | -0.9           | -4.8           | -0.5           | 0.01           | 0.00           | 0.00           |
| 1201     | 4.9                | -0.9           | -4.8           | -0.4           | 0.01           | 0.00           | 0.00           |
| 1315     | 5.0                | -0.9           | -4.9           | 0.5            | 0.01           | 0.00           | 0.00           |
| 1316     | 5.0                | -0.9           | -4.9           | 0.5            | 0.01           | 0.00           | 0.00           |

| Node No. | Displacements [mm] |                |                |                | Rotations [°]  |                |                |
|----------|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|
|          | u                  | u <sub>x</sub> | u <sub>y</sub> | u <sub>z</sub> | φ <sub>x</sub> | φ <sub>y</sub> | φ <sub>z</sub> |
| 1398     | 0.4                | -0.1           | -0.4           | 0.1            | 0.00           | 0.00           | 0.00           |
| 1399     | 0.5                | -0.2           | -0.5           | -0.1           | 0.00           | 0.00           | 0.00           |
| 1400     | 0.2                | -0.1           | -0.2           | 0.0            | 0.00           | 0.00           | 0.00           |
| 1401     | 0.4                | -0.1           | -0.3           | -0.2           | 0.00           | 0.00           | 0.00           |
| 1402     | 0.4                | -0.2           | -0.4           | 0.0            | 0.00           | 0.01           | -0.01          |
| 1403     | 0.3                | -0.1           | -0.3           | -0.1           | 0.00           | 0.01           | 0.00           |
| 1405     | 0.0                | 0.0            | 0.0            | 0.0            | 0.00           | -0.01          | 0.00           |
| 1406     | 0.2                | 0.0            | -0.2           | 0.0            | 0.00           | 0.00           | 0.00           |
| 1407     | 0.5                | -0.2           | -0.4           | -0.2           | 0.00           | 0.00           | 0.00           |
| 1408     | 0.5                | -0.1           | -0.4           | 0.1            | 0.00           | 0.00           | 0.00           |
| 1409     | 0.3                | -0.2           | -0.2           | 0.1            | 0.00           | 0.00           | -0.01          |
| 1410     | 0.3                | -0.1           | -0.3           | 0.1            | 0.00           | 0.00           | 0.00           |
| 1411     | 0.4                | -0.1           | -0.4           | 0.1            | 0.00           | 0.00           | 0.00           |
| 1412     | 0.3                | -0.1           | -0.3           | -0.1           | 0.00           | 0.00           | 0.00           |
| 1413     | 0.3                | -0.2           | -0.2           | 0.0            | 0.01           | 0.00           | 0.00           |
| 1414     | 0.5                | -0.2           | -0.4           | -0.2           | 0.00           | 0.00           | 0.00           |
| 1415     | 0.5                | -0.2           | -0.4           | -0.2           | 0.00           | 0.00           | 0.00           |
| 1416     | 0.2                | 0.0            | -0.2           | 0.0            | -0.01          | 0.00           | 0.00           |
| 1417     | 0.2                | -0.2           | -0.1           | 0.0            | 0.00           | -0.01          | 0.00           |
| 1418     | 0.3                | -0.2           | -0.2           | 0.0            | 0.00           | 0.00           | 0.00           |
| 1419     | 0.0                | 0.0            | 0.0            | 0.0            | 0.00           | -0.01          | 0.00           |
| 1420     | 0.1                | 0.0            | -0.1           | 0.0            | 0.00           | 0.00           | 0.00           |
| 1421     | 0.5                | 0.0            | -0.5           | 0.0            | 0.00           | 0.00           | 0.00           |
| 1422     | 0.2                | -0.1           | -0.2           | -0.1           | 0.00           | 0.00           | 0.00           |
| 1424     | 0.5                | 0.0            | -0.5           | 0.0            | 0.00           | 0.00           | 0.00           |
| 1426     | 0.5                | -0.2           | -0.4           | -0.2           | 0.00           | 0.00           | 0.00           |
| 1427     | 0.5                | -0.2           | -0.3           | -0.2           | 0.00           | 0.01           | 0.00           |
| 1428     | 0.5                | -0.2           | -0.4           | -0.2           | 0.00           | 0.00           | 0.00           |
| 1429     | 0.3                | -0.1           | -0.3           | -0.2           | 0.00           | 0.00           | 0.00           |
| 1430     | 0.2                | -0.1           | -0.2           | -0.1           | 0.00           | 0.01           | -0.01          |
| 1432     | 0.5                | -0.1           | -0.5           | -0.2           | 0.00           | 0.00           | 0.00           |
| 1433     | 0.5                | -0.1           | -0.5           | -0.1           | 0.00           | 0.00           | 0.00           |
| 1434     | 0.5                | -0.1           | -0.5           | -0.1           | 0.00           | 0.00           | 0.00           |
| 1435     | 0.6                | -0.1           | -0.5           | -0.3           | 0.00           | 0.00           | 0.00           |
| 1436     | 0.4                | -0.1           | -0.3           | -0.2           | 0.00           | 0.00           | 0.00           |
| 1439     | 0.5                | 0.0            | -0.5           | 0.0            | -0.01          | 0.00           | 0.00           |
| 1440     | 0.7                | -0.1           | -0.7           | -0.3           | 0.00           | 0.00           | 0.00           |
| 1509     | 0.1                | -0.1           | 0.0            | 0.0            | 0.00           | 0.00           | -0.01          |
| 1513     | 0.2                | -0.2           | 0.0            | 0.0            | 0.00           | 0.00           | 0.00           |
| 1514     | 0.2                | -0.2           | 0.0            | 0.0            | 0.00           | 0.00           | 0.01           |
| 1521     | 0.2                | -0.1           | -0.2           | 0.0            | 0.00           | 0.00           | 0.00           |
| 1523     | 0.1                | -0.1           | 0.0            | 0.0            | 0.00           | 0.00           | 0.01           |
| 1524     | 0.1                | -0.1           | 0.0            | 0.0            | 0.00           | 0.00           | 0.00           |
| 1527     | 0.0                | 0.0            | 0.0            | 0.0            | 0.00           | 0.00           | 0.00           |
| 1532     | 0.1                | -0.1           | 0.0            | 0.0            | 0.00           | 0.00           | 0.00           |
| 1558     | 0.4                | -0.1           | -0.4           | -0.3           | 0.00           | 0.00           | 0.00           |
| 1559     | 0.4                | -0.1           | -0.3           | -0.1           | 0.00           | 0.00           | 0.00           |
| 1562     | 0.4                | -0.1           | -0.4           | 0.1            | 0.00           | 0.00           | 0.00           |



| Node<br>No. | Displacements [mm] |                |                |                | Rotations [°]  |                |                |
|-------------|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|
|             | u                  | u <sub>x</sub> | u <sub>y</sub> | u <sub>z</sub> | φ <sub>x</sub> | φ <sub>y</sub> | φ <sub>z</sub> |
| 1563        | 0.6                | -0.1           | -0.5           | 0.1            | 0.00           | 0.00           | 0.00           |
| 1564        | 0.6                | -0.2           | -0.5           | -0.3           | 0.00           | 0.00           | 0.00           |
| 1565        | 0.5                | -0.1           | -0.4           | 0.1            | 0.00           | 0.00           | 0.00           |
| 1566        | 0.6                | -0.1           | -0.5           | -0.3           | 0.00           | 0.00           | 0.00           |
| 1567        | 0.0                | 0.0            | 0.0            | 0.0            | 0.00           | -0.01          | 0.00           |
| 1568        | 0.0                | 0.0            | 0.0            | 0.0            | 0.00           | -0.01          | 0.00           |
| 1571        | 0.1                | -0.1           | 0.0            | 0.0            | 0.00           | 0.00           | 0.00           |
| <b>Max</b>  | <b>5.0</b>         | <b>0.0</b>     | <b>0.0</b>     | <b>0.6</b>     | <b>0.01</b>    | <b>0.01</b>    | <b>0.01</b>    |
| <b>Min</b>  | <b>0.0</b>         | <b>-0.9</b>    | <b>-4.9</b>    | <b>-0.5</b>    | <b>-0.01</b>   | <b>-0.01</b>   | <b>-0.01</b>   |