



RTTV Summary Sheet

Notes:
 ER = External Reflectance
 SC = Shading Coefficient
 VLT = Visible Light Transmittance
 Window and skylight data should represent the major proportion of its use in the development.

PNAP
APP-156
 Appendix **A**

| | | |
|---|--|---------------------------------|
| Address: Proposed Residential Development at Junction of Fo Chun Road and Pok Yin Road, Pak Shek Kok, Tai Po, New Territories, Tai Po Town Lot No. 225 | | BD Ref. No. 2/9059/15 |
| Building Type: | Residential | |
| RTTV calculated by: | <input checked="" type="checkbox"/> 1. Registered Professional Engineers <input type="checkbox"/> 2. Architect <input type="checkbox"/> 3. Others, please specify: | |
| No. of Storeys (Residential Units) | Residential Tower 8 (19 Storeys) (Sheet 1 of 1) | |

Table 1

Deemed to Satisfy RTTV_{Wall}

| | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|
| Facade Orientation Facing | | | | | | | | | |
| Average Absorptivity | | | | | | | | | |
| Average Window to Wall Ratio | | | | | | | | | |
| Shading Coefficient of Glazing | | | | | | | | | |
| Average Shading Coefficient of Facade | | | | | | | | | |
| Visible Light Transmittance | % | % | % | % | % | % | % | % | % |
| External Reflectance | % | % | % | % | % | % | % | % | % |

Not applicable

Table 2

RTTV_{Wall}

| Facade Orientation Facing | | North (N) | | | | East (E) | | | | South (S) | | | | West (W) | | | |
|--|-------------|--|----------------|--|-----------------|--|----------------|--|-----------------|--|----------------|--|-----------------|--|----------------|--|-----------------|
| Wall Orientation Factor | | 0.790 | | | | 1.072 | | | | 0.975 | | | | 1.131 | | | |
| Total External Wall Area (Residential Units) | | 1415.74 m ² | | Window to Wall Ratio | | 1541.09 m ² | | Window to Wall Ratio | | 1563.83 m ² | | Window to Wall Ratio | | 1906.80 m ² | | Window to Wall Ratio | |
| Total Window Factor | | 525.48 m ² | | 0.37 | | 554.46 m ² | | 0.36 | | 284.27 m ² | | 0.18 | | 1107.92 m ² | | 0.58 | |
| Heat Conduction | Opaque Wall | 2.74 W/m ² | | | | 3.79 W/m ² | | | | 4.41 W/m ² | | | | 2.62 W/m ² | | | |
| | Window | 0.32 W/m ² | | | | 0.42 W/m ² | | | | 0.21 W/m ² | | | | 0.72 W/m ² | | | |
| Window | Glass Type | <input checked="" type="checkbox"/> Reflective | Area= | SC= | VLT= 63% | <input checked="" type="checkbox"/> Reflective | Area= | SC= | VLT= 63% | <input checked="" type="checkbox"/> Reflective | Area= | SC= | VLT= 63% | <input checked="" type="checkbox"/> Reflective | Area= | SC= | VLT= 63% |
| | | | m ² | 0.51 | ER= 11% | | m ² | 0.51 | ER= 11% | | m ² | 0.51 | ER= 11% | | m ² | 0.51 | ER= 11% |
| | | <input checked="" type="checkbox"/> Tinted | Area= | SC= | VLT= 59% | <input checked="" type="checkbox"/> Tinted | Area= | SC= | VLT= 59% | <input checked="" type="checkbox"/> Tinted | Area= | SC= | VLT= 59% | <input checked="" type="checkbox"/> Tinted | Area= | SC= | VLT= 59% |
| | | m ² | 0.72 | ER= 15% | | m ² | 0.72 | ER= 15% | | m ² | 0.72 | ER= 15% | | m ² | 0.72 | ER= 15% | |
| | Clear | Area= | SC= | VLT= % | Clear | Area= | SC= | VLT= % | Clear | Area= | SC= | VLT= % | Clear | Area= | SC= | VLT= % | |
| | | m ² | | ER= % | | m ² | | ER= % | | m ² | | ER= % | | m ² | | ER= % | |
| Double Glazing | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| External Shading | | Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| | | Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Solar Radiation through Glazing | | 6.15 W/m ² | | | | 7.78 W/m ² | | | | 3.81 W/m ² | | | | 12.85 W/m ² | | | |
| Average Absorptivity | | 0.56 | | | | 0.56 | | | | 0.56 | | | | 0.56 | | | |
| RTTV _{Wall} at each facade | | 9.21 W/m ² | | | | 11.99 W/m ² | | | | 8.42 W/m ² | | | | 16.19 W/m ² | | | |
| Overall RTTV _{Wall} | | 11.76 W/m ² | | | | | | | | | | | | | | | |

Table 3

RTTV_{Roof}

| | | | | | | | |
|-------------------------------------|----------------|--|--|-----------------------|-----------------------|--------|-------|
| Roof Orientation Factor | | 2.16 | | | | | |
| Total Roof Area (Residential Units) | | 186.50 m ² | | | | | |
| Total Skylight Area | | 0 m ² | | | | | |
| Heat Conduction | Roof | 2.80 W/m ² | | | | | |
| | Skylight | 0 W/m ² | | | | | |
| Skylight | Glass Type | <input type="checkbox"/> Reflective | Area= | m ² | SC= | VLT= % | ER= % |
| | | <input type="checkbox"/> Tinted | Area= | m ² | SC= | VLT= % | ER= % |
| | | <input type="checkbox"/> Clear | Area= | m ² | SC= | VLT= % | ER= % |
| | Double Glazing | | <input type="checkbox"/> Yes <input type="checkbox"/> No | | <i>Not applicable</i> | | |
| External Shading | | <input type="checkbox"/> Yes <input type="checkbox"/> No | | <i>Not applicable</i> | | | |
| Solar Radiation through Glazing | | 0 W/m ² | | | | | |
| Average Absorptivity (roof) | | 0.7 | | | | | |
| Overall RTTV _{Roof} | | 2.80 W/m ² | | | | | |

| | | |
|---|--|---------------------------------|
| Address: Proposed Residential Development at Junction of Fo Chun Road and Pok Yin Road, Pak Shek Kok, Tai Po, New Territories, Tai Po Town Lot No. 225 | | BD Ref. No. 2/9059/15 |
| Building Type: | Residential | |
| RTTV calculated by | <input checked="" type="checkbox"/> 1. Registered Professional Engineers <input type="checkbox"/> 2. Architect <input type="checkbox"/> 3. Others, please specify: | |
| No. of Storeys (Residential Units) | Residential Tower 9 (19 Storeys) (Sheet 1 of 1) | |

Table 1

| Deemed to Satisfy RTTV _{Wall} | | | | | | | | | |
|--|--|---|---|---|---|---|---|---|---|
| Facade Orientation Facing | | | | | | | | | |
| Average Absorptivity | | | | | | | | | |
| Average Window to Wall Ratio | | | | | | | | | |
| Shading Coefficient of Glazing | | | | | | | | | |
| Average Shading Coefficient of Facade | | | | | | | | | |
| Visible Light Transmittance | | % | % | % | % | % | % | % | % |
| External Reflectance | | % | % | % | % | % | % | % | % |

Table 2

| RTTV _{Wall} | | | | | | | | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Facade Orientation Facing | | North (N) | | | | East (E) | | | | South (S) | | | | West (W) | | | |
| Wall Orientation Factor | | 0.790 | | | | 1.072 | | | | 0.975 | | | | 1.131 | | | |
| Total External Wall Area (Residential Units) | | 1524.78 m ² | | Window to Wall Ratio | | 1743.80 m ² | | Window to Wall Ratio | | 990.88 m ² | | Window to Wall Ratio | | 1557.93 m ² | | Window to Wall Ratio | |
| Total Window Factor | | 927.56 m ² | | 0.61 | | 814.47 m ² | | 0.47 | | 290.23 m ² | | 0.29 | | 626.25 m ² | | 0.40 | |
| Heat Conduction | Opaque Wall | 2.27 W/m ² | | | | 4.25 W/m ² | | | | 5.05 W/m ² | | | | 4.96 W/m ² | | | |
| | Window | 0.52 W/m ² | | | | 0.54 W/m ² | | | | 0.35 W/m ² | | | | 0.50 W/m ² | | | |
| Window | Glass Type | <input checked="" type="checkbox"/> Reflective | Area= | SC= | VLT= 63% | <input checked="" type="checkbox"/> Reflective | Area= | SC= | VLT= 63% | <input checked="" type="checkbox"/> Reflective | Area= | SC= | VLT= 63% | <input checked="" type="checkbox"/> Reflective | Area= | SC= | VLT= 63% |
| | | | m ² | 0.51 | ER= 11% | | m ² | 0.51 | ER= 11% | | m ² | 0.51 | ER= 11% | | m ² | 0.51 | ER= 11% |
| | | <input checked="" type="checkbox"/> Tinted | Area= | SC= | VLT= 59% | <input checked="" type="checkbox"/> Tinted | Area= | SC= | VLT= 59% | <input checked="" type="checkbox"/> Tinted | Area= | SC= | VLT= 59% | <input checked="" type="checkbox"/> Tinted | Area= | SC= | VLT= 59% |
| | | m ² | 0.72 | ER= 15% | | m ² | 0.72 | ER= 15% | | m ² | 0.72 | ER= 15% | | m ² | 0.72 | ER= 15% | |
| | Clear | Area= | SC= | VLT= % | Clear | Area= | SC= | VLT= % | Clear | Area= | SC= | VLT= % | Clear | Area= | SC= | VLT= % | |
| | | m ² | | ER= % | | m ² | | ER= % | | m ² | | ER= % | | m ² | | ER= % | |
| Double Glazing | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| External Shading | | Overhang | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Overhang | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Overhang | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Overhang | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Overhang | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Overhang | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Overhang | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Overhang | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| | | Siddefin | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Siddefin | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Siddefin | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Siddefin | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Siddefin | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Siddefin | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Siddefin | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Siddefin | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Solar Radiation through Glazing | | 10.11 W/m ² | | | | 9.89 W/m ² | | | | 5.85 W/m ² | | | | 8.46 W/m ² | | | |
| Average Absorptivity | | 0.56 | | | | 0.56 | | | | 0.56 | | | | 0.56 | | | |
| RTTV _{Wall} at each facade | | 12.90 W/m ² | | | | 14.69 W/m ² | | | | 11.25 W/m ² | | | | 13.92 W/m ² | | | |
| Overall RTTV _{Wall} | | 13.43 W/m ² | | | | | | | | | | | | | | | |

Table 3

| RTTV _{Roof} | | | | | | | | | |
|-------------------------------------|------------|--|-------|----------------|-----|------|---|-----|---|
| Roof Orientation Factor | | 2.16 | | | | | | | |
| Total Roof Area (Residential Units) | | 248.80 m ² | | | | | | | |
| Total Skylight Area | | 0 m ² | | | | | | | |
| Heat Conduction | Roof | 2.80 W/m ² | | | | | | | |
| | Skylight | 0 W/m ² | | | | | | | |
| Skylight | Glass Type | <input type="checkbox"/> Reflective | Area= | m ² | SC= | VLT= | % | ER= | % |
| | | <input type="checkbox"/> Tinted | Area= | m ² | SC= | VLT= | % | ER= | % |
| | | <input type="checkbox"/> Clear | Area= | m ² | SC= | VLT= | % | ER= | % |
| Double Glazing | | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | |
| External Shading | | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | |
| Solar Radiation through Glazing | | 0 W/m ² | | | | | | | |
| Average Absorptivity (roof) | | 0.7 | | | | | | | |
| Overall RTTV _{Roof} | | 2.80 W/m ² | | | | | | | |

| | | |
|---|--|---------------------------------|
| Address: Proposed Residential Development at Junction of Fo Chun Road and Pok Yin Road, Pak Shek Kok, Tai Po, New Territories, Tai Po Town Lot No. 225 | | BD Ref. No. 2/9059/15 |
| Building Type: | Residential | |
| RTTV calculated by | <input checked="" type="checkbox"/> 1. Registered Professional Engineers <input type="checkbox"/> 2. Architect <input type="checkbox"/> 3. Others, please specify: | |
| No. of Storeys (Residential Units) | Residential Tower 10 (19 Storeys) (Sheet 1 of 1) | |

Table 1

| Deemed to Satisfy RTTV _{Wall} | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|
| Facade Orientation Facing | | | | | | | | | |
| Average Absorptivity | | | | | | | | | |
| Average Window to Wall Ratio | | | | | | | | | |
| Shading Coefficient of Glazing | | | | | | | | | |
| Average Shading Coefficient of Facade | | | | | | | | | |
| Visible Light Transmittance | % | % | % | % | % | % | % | % | % |
| External Reflectance | % | % | % | % | % | % | % | % | % |

Table 2

| RTTV _{Wall} | | | | | | | | | | | | | | | | | |
|--|-------------|--|----------------|--|--------------------------------|--|----------------|--|--------------------------------|--|----------------|--|--------------------------------|--|----------------|--|-----------------|
| Facade Orientation Facing | | North (N) | | | | East (E) | | | | South (S) | | | | West (W) | | | |
| Wall Orientation Factor | | 0.790 | | | | 1.072 | | | | 0.975 | | | | 1.131 | | | |
| Total External Wall Area (Residential Units) | | 1647.39 m ² | | Window to Wall Ratio | | 1746.87 m ² | | Window to Wall Ratio | | 1020.55 m ² | | Window to Wall Ratio | | 1431.31 m ² | | Window to Wall Ratio | |
| Total Window Factor | | 934.76 m ² | | 0.57 | | 739.79 m ² | | 0.42 | | 290.25 m ² | | 0.28 | | 554.05 m ² | | 0.39 | |
| Heat Conduction | Opaque Wall | 2.54 W/m ² | | | | 4.61 W/m ² | | | | 5.21 W/m ² | | | | 5.15 W/m ² | | | |
| | Window | 0.49 W/m ² | | | | 0.49 W/m ² | | | | 0.31 W/m ² | | | | 0.48 W/m ² | | | |
| Window | Glass Type | <input checked="" type="checkbox"/> Reflective | Area= | SC= | VLT= 63% | <input checked="" type="checkbox"/> Reflective | Area= | SC= | VLT= 63% | <input checked="" type="checkbox"/> Reflective | Area= | SC= | VLT= 63% | <input checked="" type="checkbox"/> Reflective | Area= | SC= | VLT= 63% |
| | | | m ² | 0.51 | ER= 11% | | m ² | 0.51 | ER= 11% | | m ² | 0.51 | ER= 11% | | m ² | 0.51 | ER= 11% |
| | | <input checked="" type="checkbox"/> Tinted | Area= | SC= | VLT= 59% | <input checked="" type="checkbox"/> Tinted | Area= | SC= | VLT= 59% | <input checked="" type="checkbox"/> Tinted | Area= | SC= | VLT= 59% | <input checked="" type="checkbox"/> Tinted | Area= | SC= | VLT= 59% |
| | | | m ² | 0.72 | ER= 15% | | m ² | 0.72 | ER= 15% | | m ² | 0.72 | ER= 15% | | m ² | 0.72 | ER= 15% |
| | Clear | Area= | SC= | VLT= % | <input type="checkbox"/> Clear | Area= | SC= | VLT= % | <input type="checkbox"/> Clear | Area= | SC= | VLT= % | <input type="checkbox"/> Clear | Area= | SC= | VLT= % | |
| | | m ² | | ER= % | | m ² | | ER= % | | m ² | | ER= % | | m ² | | ER= % | |
| Double Glazing | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| External Shading | | Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| | | Sidelin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Sidelin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Sidelin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Sidelin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Sidelin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Sidelin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Sidelin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Sidelin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Solar Radiation through Glazing | | 9.45 W/m ² | | | | 8.83 W/m ² | | | | 5.52 W/m ² | | | | 8.34 W/m ² | | | |
| Average Absorptivity | | 0.56 | | | | 0.56 | | | | 0.56 | | | | 0.56 | | | |
| RTTV _{Wall} at each facade | | 12.48 W/m ² | | | | 13.93 W/m ² | | | | 11.03 W/m ² | | | | 13.98 W/m ² | | | |
| Overall RTTV _{Wall} | | 13.03 W/m ² | | | | | | | | | | | | | | | |

Table 3

| RTTV _{Roof} | | | | | | | | | | |
|-------------------------------------|----------------|--|--|----------------|-----|--------|-------|--|--|--|
| Roof Orientation Factor | | 2.16 | | | | | | | | |
| Total Roof Area (Residential Units) | | 258.50 m ² | | | | | | | | |
| Total Skylight Area | | 0 m ² | | | | | | | | |
| Heat Conduction | Roof | 2.80 W/m ² | | | | | | | | |
| | Skylight | 0 W/m ² | | | | | | | | |
| Skylight | Glass Type | <input type="checkbox"/> Reflective | Area= | m ² | SC= | VLT= % | ER= % | | | |
| | | <input type="checkbox"/> Tinted | Area= | m ² | SC= | VLT= % | ER= % | | | |
| | | <input type="checkbox"/> Clear | Area= | m ² | SC= | VLT= % | ER= % | | | |
| | Double Glazing | | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | |
| External Shading | | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | | |
| Solar Radiation through Glazing | | 0 W/m ² | | | | | | | | |
| Average Absorptivity (roof) | | 0.7 | | | | | | | | |
| Overall RTTV _{Roof} | | 2.80 W/m ² | | | | | | | | |

Notes:
 ER = External Reflectance
 SC = Shading Coefficient
 VLT = Visible Light Transmittance
 Window and skylight data should represent the major proportion of its use in the development.

| | | |
|---|--|---------------------------------|
| Address: Proposed Residential Development at Junction of Fo Chun Road and Pok Yin Road, Pak Shek Kok, Tai Po, New Territories, Tai Po Town Lot No. 225 | | BD Ref. No. 2/9059/15 |
| Building Type: | Residential | |
| RTTV calculated by | <input checked="" type="checkbox"/> 1. Registered Professional Engineers | |
| | <input type="checkbox"/> 2. Architect | |
| | <input type="checkbox"/> 3. Others, please specify: | |
| No. of Storeys (Residential Units) | Residential Tower 11 (19 Storeys) (Sheet 1 of 1) | |

Table 1

| Deemed to Satisfy RTTV _{Wall} | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|
| Facade Orientation Facing | | | | | | | | | |
| Average Absorptivity | | | | | | | | | |
| Average Window to Wall Ratio | | | | | | | | | |
| Shading Coefficient of Glazing | | | | | | | | | |
| Average Shading Coefficient of Facade | | | | | | | | | |
| Visible Light Transmittance | % | % | % | % | % | % | % | % | % |
| External Reflectance | % | % | % | % | % | % | % | % | % |

Table 2

| RTTV _{Wall} | | | | | | | | | | | | | | | | | |
|--|----------------|--|----------------|----------------------|-----------------|--|----------------|----------------------|-----------------|--|----------------|----------------------|-----------------|--|----------------|----------------------|-----------------|
| Facade Orientation Facing | | North (N) | | | | East (E) | | | | South (S) | | | | West (W) | | | |
| Wall Orientation Factor | | 0.790 | | | | 1.072 | | | | 0.975 | | | | 1.131 | | | |
| Total External Wall Area (Residential Units) | | 1779.69 m ² | | Window to Wall Ratio | | 1435.23 m ² | | Window to Wall Ratio | | 1036.03 m ² | | Window to Wall Ratio | | 1560.13 m ² | | Window to Wall Ratio | |
| Total Window Factor | | 970.02 m ² | | 0.55 | | 714.78 m ² | | 0.50 | | 311.44 m ² | | 0.30 | | 620.53 m ² | | 0.40 | |
| Heat Conduction | Opaque Wall | 2.33 W/m ² | | | | 3.49 W/m ² | | | | 4.43 W/m ² | | | | 4.42 W/m ² | | | |
| | Window | 0.47 W/m ² | | | | 0.58 W/m ² | | | | 0.36 W/m ² | | | | 0.52 W/m ² | | | |
| Window | Glass Type | <input checked="" type="checkbox"/> Reflective | Area= | SC= | VLT= 63% | <input checked="" type="checkbox"/> Reflective | Area= | SC= | VLT= 63% | <input checked="" type="checkbox"/> Reflective | Area= | SC= | VLT= 63% | <input checked="" type="checkbox"/> Reflective | Area= | SC= | VLT= 63% |
| | | | m ² | 0.51 | ER= 11% | | m ² | 0.51 | ER= 11% | | m ² | 0.51 | ER= 11% | | m ² | 0.51 | ER= 11% |
| | | <input checked="" type="checkbox"/> Tinted | Area= | SC= | VLT= 59% | <input checked="" type="checkbox"/> Tinted | Area= | SC= | VLT= 59% | <input checked="" type="checkbox"/> Tinted | Area= | SC= | VLT= 59% | <input checked="" type="checkbox"/> Tinted | Area= | SC= | VLT= 59% |
| | | m ² | 0.72 | ER= 15% | | m ² | 0.72 | ER= 15% | | m ² | 0.72 | ER= 15% | | m ² | 0.72 | ER= 15% | |
| | Clear | Area= | SC= | VLT= % | | Area= | SC= | VLT= % | | Area= | SC= | VLT= % | | Area= | SC= | VLT= % | |
| | m ² | | | ER= % | | m ² | | ER= % | | m ² | | ER= % | | m ² | | ER= % | |
| Double Glazing | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | |
| External Shading | | Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| | | Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | |
| Solar Radiation through Glazing | | 9.07 W/m ² | | | | 10.52 W/m ² | | | | 5.65 W/m ² | | | | 8.53 W/m ² | | | |
| Average Absorptivity | | 0.56 | | | | 0.56 | | | | 0.56 | | | | 0.56 | | | |
| RTTV _{Wall} at each facade | | 11.88 W/m ² | | | | 14.59 W/m ² | | | | 10.43 W/m ² | | | | 13.47 W/m ² | | | |
| Overall RTTV _{Wall} | | 12.72 W/m ² | | | | | | | | | | | | | | | |

Table 3

| RTTV _{Roof} | | | | | | | | | |
|-------------------------------------|----------------|--|--|----------------|-----|------|---|-----|---|
| Roof Orientation Factor | | 2.16 | | | | | | | |
| Total Roof Area (Residential Units) | | 201.00 m ² | | | | | | | |
| Total Skylight Area | | 0 m ² | | | | | | | |
| Heat Conduction | Roof | 2.80 W/m ² | | | | | | | |
| | Skylight | 0 W/m ² | | | | | | | |
| Skylight | Glass Type | <input type="checkbox"/> Reflective | Area= | m ² | SC= | VLT= | % | ER= | % |
| | | <input type="checkbox"/> Tinted | Area= | m ² | SC= | VLT= | % | ER= | % |
| | | <input type="checkbox"/> Clear | Area= | m ² | SC= | VLT= | % | ER= | % |
| | Double Glazing | | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| External Shading | | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | |
| Solar Radiation through Glazing | | 0 W/m ² | | | | | | | |
| Average Absorptivity (roof) | | 0.7 | | | | | | | |
| Overall RTTV _{Roof} | | 2.80 W/m ² | | | | | | | |