Part 1 Energy Efficiency

NRB 1-1 Building Envelope – OTTV

Actual Assessment Submission ☐ Site Verification Submission ☐

Criteria	Credit Available	Credit Claimed
Overall Thermal Transfer Value	15	

Strategies:

Declaration:

I hereby declare that the information provided for this submission is truthful and accurate to be best of my knowledge at the time of submission:

Date of Submission:

PROJECT NAME				
SUBMITTING PROFESSIONAL	NAME	DESIGNATION	COMPANY	SIGNATURE
CLIENT	NAME	DESIGNATION	COMPANY	SIGNATURE

Documentary Evidences:

Order of documents to be submitted accordingly and clearly labeled.

	Actual Assessment	Submitter	Assessor
1.	Site plan with clearly demarcated the orientation of the building.	☐	☐
2.	Architectural elevation drawings showing the composition of the different façade or wall systems that are relevant for the computation of OTTV.	☐	☐
3.	Glazing specification showing the U Value and SC Value.	☐	☐
4.	Window and door schedule.	☐	☐
5.	Detailed area (m^2) tabulation of fenestration and wall for every façade showing the window to wall ratio (WWR).	☐	☐
6.	Calculation of U Value for all type of external walls.	☐	☐
7.	Calculation of the Shading Coefficient for external shading device.	☐	☐
8.	OTTV calculation for each facing wall.	☐	☐
9.	A drawing showing the cross-sections of typical parts of the roof construction, giving details of the type and thickness of basic construction materials, insulation and air space	☐	☐
10.	The U-value of the roof assembly and technical specification of the roof insulation (if any)	☐	☐

In the case of an air-conditioned building, the concept of Roof Thermal Transfer Value (RTTV) is applied if the roof is provided with skylight and the entire enclosure below is fully air-conditioned.

1.	RTTV Calculation (if applicable)	☐	☐
2.	Skylight specification showing the U Value and SC Value.	☐	☐

	Site Verification	Submitter	Assessor
1	As-built Site plan with clearly demarcated the orientation of the building.	☐	☐
2	As- Built architectural elevation drawings showing the composition of the different façade or wall systems that are relevant for the computation of OTTV.	☐	☐
3.	As – Built architectural plan layouts highlighting the areas included in the OTTV calculation.	☐	☐
4.	Purchase orders/delivery orders, for the brands/models of the installed glazing, stipulating the U-value and SC specifications.	☐	☐
5.	Product catalogue of the materials properties that are used for the façade or external wall systems.	☐	☐
6.	Detailed area (m^2) tabulation of fenestration and wall for every façade showing the window to wall ratio (WWR).	☐	☐
7.	Window and door schedule.	☐	☐
8.	Calculation of the Shading Coefficient for external shading device.	☐	☐
9.	Calculation of U Value for all type of external walls.	☐	☐
10	OTTV calculation for each facing wall.	☐	☐
11.	Describe any deviations or changes from AA submission.	☐	☐
12.	As built drawing showing the cross-sections of typical parts of the roof construction, giving details of the type and thickness of basic construction materials, insulation and air space	☐	☐
13.	The U-value of the roof assembly and technical specification of the roof insulation (if any)	☐	☐
14.	Purchase order / Delivery order of the roof insulation materials	☐	☐

In the case of an air-conditioned building, the concept of Roof Thermal Transfer Value (RTTV) is applied if the roof is provided with skylight and the entire enclosure below is fully air-conditioned.

1.	RTTV Calculation.	☐	☐
2.	Skylight specification showing the U Value and SC Value and its purchase or delivery order.	☐	☐
3.	Describe any deviations or changes from AA submission.	☐	☐