

## NatHERS Assessment Input Checklist

Project Name: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Email: \_\_\_\_\_

Prior to commencement, the following information is required on drawings and specifications in order to conduct a NatHERS thermal performance assessment for the BASIX Thermal Comfort Index.

Element	Detail required on drawings and/or specifications
CAD Drawings	Computer Aided Drafting drawings in PDF format.
Drawing Files	Where available, DWG files are requested for assessment purposes only and will not be included in the certified documentation.
General drawing quality	<ul style="list-style-type: none"> <li>a. Must be to scale.</li> <li>b. Must clearly show intended construction with labels or industry standard drawing conventions.</li> <li>c. Site plans to be scaled at minimum 1:200, with all other plans at 1:100;</li> <li>d. Full set of dimensioned plans including elevations, site, floor, and sections;</li> <li>e. Section plan of dwelling to identify construction method, roof structure, floor structure. (i.e. Waffle pod slab on ground, Raft slab on ground, framed timber flooring, etc.)</li> <li>f. Lighting Plan</li> </ul>
Specification quality	<p>Must clearly identify relevant material types and any relevant standards, including:</p> <ul style="list-style-type: none"> <li>a. Slab type</li> <li>b. floor coverings</li> <li>c. proposed insulation (ceiling, roof, slab, subfloor, internal and external walls)</li> <li>d. all external materials + colours</li> <li>e. window schedule including frame colour, manufacturer</li> </ul>
Project details	<ul style="list-style-type: none"> <li>a. Client details – name, postal address, phone number + email</li> <li>b. Site Street Address</li> <li>c. Lot + DP Numbers</li> <li>d. Strata Plan (if applicable)</li> </ul>
Orientation	<ul style="list-style-type: none"> <li>a. True north.</li> <li>b. Relationship of building to true north.</li> </ul>

Overshadowing	<p>Location and height of forms which may be either part of the assessed building or adjoining the assessed buildings, including:</p> <ol style="list-style-type: none"> <li>ALL existing fences, retaining walls and single storey buildings + structures within 10m of the proposed dwelling</li> <li>ALL existing fences, retaining walls and double storey (and higher) buildings + structures within 20m of the proposed dwelling</li> <li>approved buildings;</li> <li>fences and screens;</li> <li>landforms;</li> <li>protected trees – height + canopy spread.</li> </ol>
Room Names + Areas	<ol style="list-style-type: none"> <li>Names of rooms or spaces shown on drawings to identify use, e.g. living, kitchen, bath, etc.</li> <li>Connecting doors, openings, stair voids, etc.</li> </ol>
Typical construction	May be indicated with industry standard
Unusual construction	Must be specifically detailed.
External walls	<ol style="list-style-type: none"> <li>Drawing to scale.</li> <li>Material.</li> <li>Insulation type, R-value and location.</li> <li>Colour and/or solar absorptance where a specific colour is modelled.</li> </ol>
Internal walls	<ol style="list-style-type: none"> <li>Drawing to scale.</li> <li>Material.</li> <li>Insulation type, R-value and location.</li> </ol>
Windows (and other glazed elements)	<ol style="list-style-type: none"> <li>Location and orientation.</li> <li>Drawing to scale.</li> <li>Shading.</li> <li>Glass type (including films).</li> <li>Frame material and type.</li> <li>Type (e.g. sliding, double hung) or openable panes clearly drawn to determine openable proportions.</li> <li>NFRC Solar Heat Gain Coefficient (SHGC) and U-value of complete glazing unit (glass and frame combined) – regardless of whether the glass is single clear or not. These may be based on default values of Approved Software.</li> </ol>
Window internal covering	n/a
Fixed or adjustable external shading (eaves, pergolas, verandahs, awnings, skylight shading devices)	<ol style="list-style-type: none"> <li>Location, type and dimensions shown on drawings.</li> <li>Sufficient detail to enable sun blocking factor of all external shading structures to be assessed.</li> <li>A detail for pergolas including structure and any battens if they are to be considered as a shading device.</li> <li>Whether the device is fixed or adjustable.</li> <li>Material properties such as shading coefficient for polycarbonate sheeting or shading factor for sail cloth.</li> </ol>

<p>Skylights, glazed roofs and polycarbonate roofs above an enclosed space.</p>	<ul style="list-style-type: none"> <li>a. Location, type and dimensions shown on drawings.</li> <li>b. Where constructed of moulded plastic – description of the construction.</li> <li>c. Where glass is single clear – description of glass and frame.</li> <li>d. NFRC Solar Heat Gain Coefficient (SHGC) and U-value of complete glazing unit (glass and frame combined) – regardless of whether the glass is single clear or not. These may be based on default values of Approved Software.</li> <li>e. Shaft type, insulation and length.</li> <li>f. Sufficient information or detail to determine openable proportions.</li> </ul>
<p>Roof</p>	<ul style="list-style-type: none"> <li>a. Pitch.</li> <li>b. Ventilation openings (passive and mechanical)</li> <li>c. Material.</li> <li>d. Insulation type, location and thermal properties</li> <li>e. Specific external colour or shade (light, medium or dark) and solar absorptance.</li> </ul>
<p>Ceilings</p>	<ul style="list-style-type: none"> <li>a. Material.</li> <li>b. Insulation type, location and thermal properties.</li> <li>c. Ceiling penetrations</li> </ul>
<p>Floors</p>	<ul style="list-style-type: none"> <li>a. Material.</li> <li>b. Covering (optional).</li> <li>c. Insulation type, location and thermal properties</li> <li>d. Sub-floor ventilation openings.</li> </ul>