

Fencing 9. For secondary street boundaries, fencing installed by the landowner shall be visually permeable above 1200mm behind the primary street setback, for a minimum length of 3m behind the truncation with a major opening adressing the secondary street

Street Trees

10. A minimum of one street tree per lot, and three street trees for corner lots are required. Street trees will be provided by the developer within the road verge and maintained for a minimum of two years until established. Street trees are not to be relocated or removed by landowners.

Noise Affected Lots

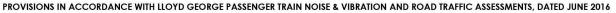
11. For those lots affected by Quiet House design (QHD) requirements, dwellings are to be constructed with the relevant 'Deemed to Comply Noise Insulation Package' (A & B) specified in Attachment 1 of this LDP, including at least one outdoor living area screened from the noise source by the dwelling and/or a minimum 2.4m high solid fence

12. Modifications to the quiet house design requirements may be approved by the City where it can be demonstrated that proposed development will be provided within the acceptable level of acoustic amenity and subject to the development proposal being accompanied by a Noise Assessment undertaken by a suitably qualified profession

This Local Development Plan (LDP) has been approved by the City of Kwinana under the provisions of Local Planning Scheme No. 2 and Schedule 2 (Deemed Provisions) of the Planning and Development (Local Planning Schemes) Regulations 2015. This is an amendment to the LDP approved on 15 July 2015 and is valid for the period specified in this approval. NA

Ul	DA8278.5	19/06/2023
Coordinator Statutory Planning City of Kwinana	City Ref.	Amendment Date
		15/07/2025
		Expiry Date

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Area	Orientation to Road/Rail Corridor	Noise Control Measures
Bedrooms	Facing road/rail corridor Side-on to corridor	6mm (minimum) laminated glass
		Fixed, casement or awning windows with seals
		No external doors
		Closed eaves
		No vents to outside walls/eaves
		Mechanical ventilation/air conditioning1
l l		6mm (minimum) laminated glass
-		Closed eaves
		Mechanical ventilation/air conditioning ¹
	Away from corridor	No requirements
	Facing corridor	6mm (minimum) laminated glass
		Fixed, casement or awning windows with seals
		 35mm (minimum) solid core external doors with acoustic seals³
		Sliding doors must be fitted with acoustic seals
		Closed eaves
		No vents to outside walls/eaves
Living and work areas ²		Mechanical ventilation/air conditioning ¹
		6mm (minimum) laminated glass
	Side-on to corridor	
		Closed eaves
		Mechanical ventilation/air conditioning1
	Away from Corridor	No requirements
Other indoor areas	Any	No requirements
:kage B: Noise levels within 3 following noise insulation pa		ds for residential developments in areas where noise levels exceed the "limit" but by no more than 3
Area	Orientation to Road/Rail Corridor	Noise Control Measures
		10mm (minimum) laminated glass
		10mm (minimum) laminated glassFixed, casement or awning windows with seals
	Facing road/rail corridor	Fixed, casement or awning windows with seals
		Fixed, casement or awning windows with sealsNo external doors
Bedrooms		 Fixed, casement or awning windows with seals No external doors Closed eaves
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Bedrooms	Facing road/rail corridor Side-on to corridor	Fixed, casement or awning windows with seals No external doors Closed eaves No vents to outside walls/eaves Mechanical ventilation/air conditioning ¹ Omm (minimum) laminated glass Closed eaves Mechanical ventilation/air conditioning ¹ No requirements
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Bedrooms	Facing road/rail corridor Side-on to corridor	Fixed, casement or awning windows with seals No external doors Closed eaves No vents to outside walls/eaves Mechanical ventilation/air conditioning ¹ 10mm (minimum) laminated glass Closed eaves Mechanical ventilation/air conditioning ¹ No requirements 10mm (minimum) laminated glass Fixed, casement or awning windows with seals 40mm (minimum) solid core external doors with acoustic seals ³ Sliding doors must be fitted with acoustic seals
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<u>NOTES</u>

See section on Mechanical ventilation/air-conditioning for further details and requirements.
 These deemed-to-comply quidelines adopted the definitions of indoor spaces used in AS210

These deemed-to-comply guidelines adopted the definitions of indoor spaces used in AS2107-2000. A comparable description for bedrooms, living and work areas is that defined by the Building Code of Australia as a "habitable room". The Building Code of Australia may be referenced if greater clarity is needed. A living or work area can be taken to mean any "habitable room" other than a bedroom. Note that there are no noise insulation requirements for utility areas such as bathrooms. The Building Code of Australia describes these utility spaces as "non-habitable rooms".

3 Glazing panels are acceptable in external doors facing the transport corridor. However, these must meet the minimum glazing requirements.

Mechanical Ventilation Requirement

Where outdoor noise levels are above the "target", both Packages A and B require mechanical ventilation or air-conditioning to ensure that windows can remain closed in order to achieve the indoor noise standards.

In implementing Packages A and B, the following must be observed:

• Evaporative air conditioning systems will not meet the requirements for Packages A and because windows need to be opened.

• Refrigerative air conditioning systems need to be designed to achieve fresh air ventilation requirements.

- Air inlets need to be positioning facing away from the transport corridor where practicable.
- Duct needs to be provided with adequate silencing to prevent noise intrusion.