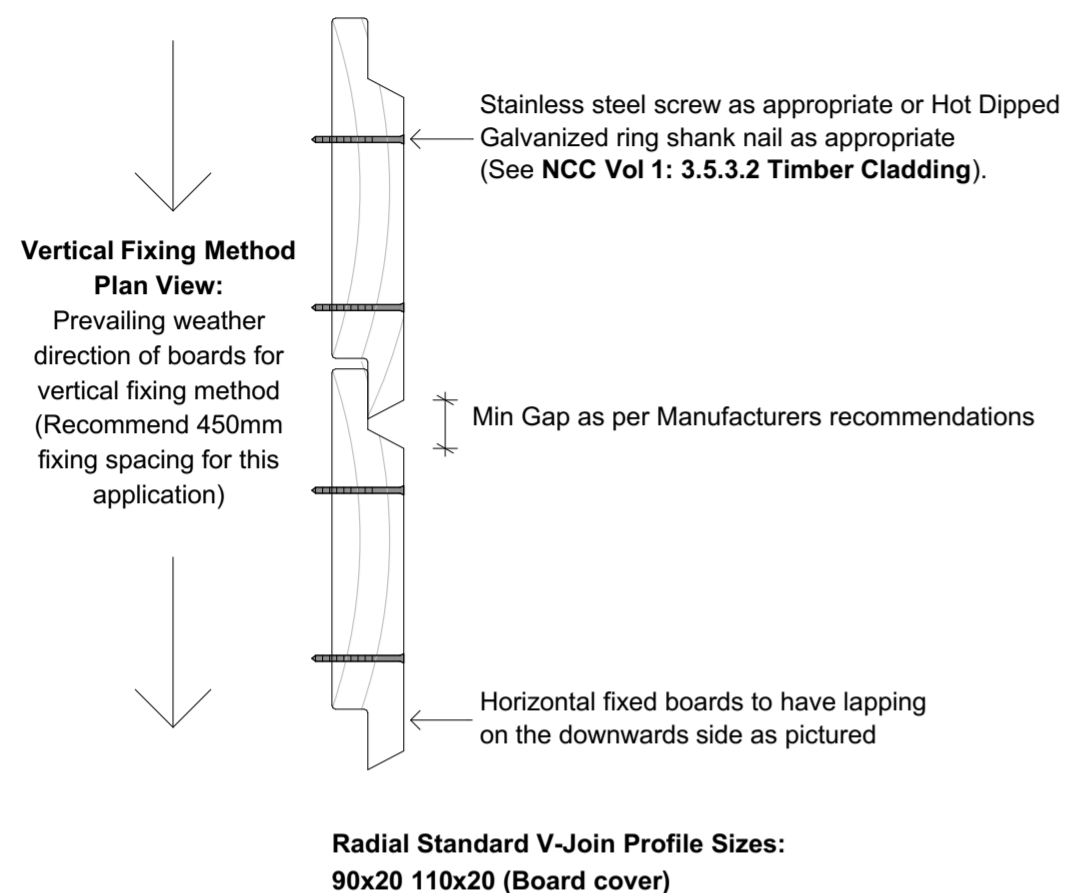
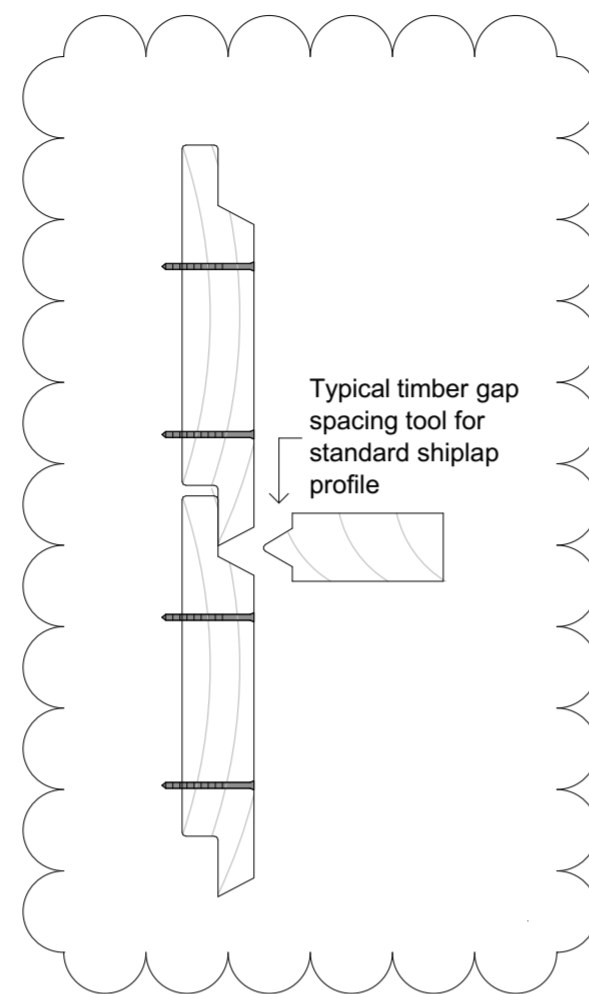


GENERAL NOTES:

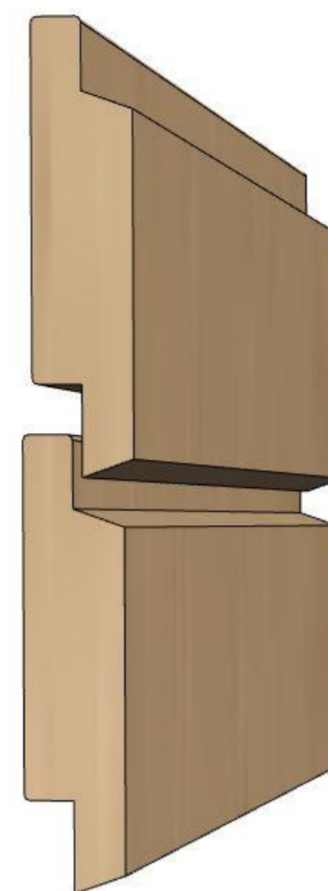
- Do not scale Drawings. If drawings are in question or discrepancy, the builder shall be responsible for obtaining clarification from the building designer and or building surveyor before continuing with construction.
- All dimensions relating to existing conditions shall be field verified.
- Where otherwise specified all products shall be installed according to Radial Timbers specifications. This applies not withstanding any relevant Building Act, Regulation, Building Code of Australia, Local Government Regulation/Requirement and Australian Standard.
- Radial Timbers recommends the following gap spacing for V/Join Shiplap:
 - 45mm & 70mm - 3mm Gap spacing
 - 90mm & 110mm - 5mm Gap spacing
- All external timbers to be treated against weather exposure to current AS 1604 specifications or no less than durability Class 1 In-Ground/Class 2 Above Ground as per AS 5604 Timber Natural Durability Ratings.
- All external steel & fixings to be a minimum of Hot Dip Galvanized or equivalent corrosion protection to AS 2311 & 2312 unless within 1Km from a salt water environment then Marine grade Stainless steel is to be used, except where noted otherwise by the NCC.
- All Residential timber framing, bracing & tie downs are to be in accordance to AS 1684 (Commercial construction specifications to be provided by Engineer).
- Compliance with the relevant National Construction Code Of Australia (NCC) Volume 1 & or Volume 2 is mandatory (Not limited to) & the GUIDE TO STANDARDS & TOLERANCES.
- Compliance with the (NCC) Volume 1: **3.5.3.2 Timber Cladding & 3.5.3.6 Flashings to wall openings**
 Openings in *external wall* cladding exposed to the weather must be flashed as follows:
 - All openings must be adequately flashed using materials that comply with AS/NZS 2904.
 - Flashings must be securely fixed at least 25 mm under the cladding
- Compliance with the following Australian Standards is mandatory (Not limited to):
 - AS 1684 TIMBER FRAMED CONSTRUCTION
 - AS 5604 NATURAL TIMBER DURABILITY
 - AS 3959 CONSTRUCTION IN BUSHFIRE AREAS
 - AS 2796.1 TIMBER HARDWOOD - SAWN & MILLED PRODUCTS (PRODUCT SPECIFICATION)
 - AS 2047 WINDOWS IN BUILDINGS
 - AS 2870 RESIDENTIAL SLABS & FOOTINGS
 - AS 1250 THE USE OF STEEL IN STRUCTURES
 - AS 4100 STEEL STRUCTURES
 - AS 2311 PAINTING OF BUILDINGS
 - AS 3600 TERMITE MANAGEMENT
 - AS 1170 STRUCTURAL DESIGN ACTIONS
 - AS 1428 DESIGN FOR ACCESS AND MOBILITY
 - AS 1675 FIXED PLATFORMS, WALKWAYS, STAIRWAYS AND LADDERS - DESIGN, CONSTRUCTION AND INSTALLATION
- All underground services (Sewer, Drainage, Gas, Electric, telecommunications, etc); to be determined on site & from relevant authority records, prior to commencement of any construction.



1.0 Typical V-Join Shiplap Profile



1.1 Typical Shiplap V-Join Spacer Tool



Species:
 · Silvertop Ash (Eucalyptus Sieberi)
 (Rated bushfire resisting timber to maximum BAL 29 as per AS 3959),
 Termite resistant (AS 5604) and natural durability rated as Class 2 above ground up to 25 years)

Note: Natural timber durability ratings may be significantly increased if timber is maintained such as cleaning and decking oil application as required.

Appearance Grade:

All timber is supplied as standard and better grade (not select). Small tight knots, gum veins, splits, ambrosia and other marks are acceptable features that sometimes occur in boards. Timber is graded in accordance with the AS 2796.2-1999 Australia Standard / Part Two Grade description. Also see examples of board variations on our website

Installation:

Preferably layout of the boards should be in a vertical position for better water run off especially in very exposed locations such as near the coast. Boards can be fixed directly to breathable sisalation clad walls however a better option is to use fixing battens on the studs Use 75x35 treated pine fixed directly to the sisalation clad stud walls, this also allows for good ventilation between the back of the boards and the sisalation. It also makes installation of the shiplap much quicker however allowances must be made for the extra width cavity wall when it comes to windows, doorways etc.

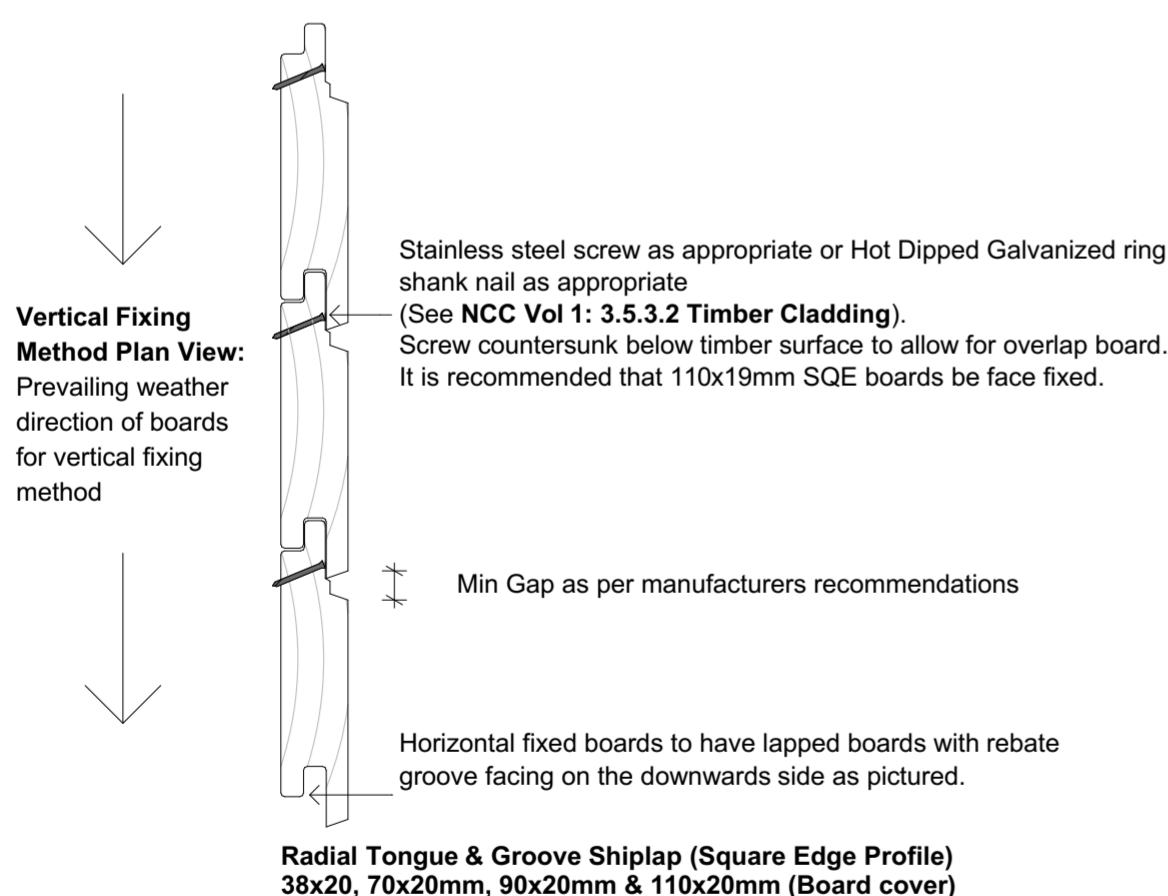
If fixed horizontally, the tongues of each Shiplap board should face up to prevent water from being trapped inside joints. On long runs, boards may have to be butt joined but a better option is to use engineered set lengths alternatively, walls can be broken up into smaller panels by inserting a flashing or vertical/horizontal timber stops. Special Aluminium or timber profiles can also be used on external and internal corners (these are available from radial timber) .

Boards must be installed with a 3mm gap between them which is indicated by the shadow line which is a very slight raised section on the tongue. This spacing will allow for movement of the timber as ambient humidity and conditions change.

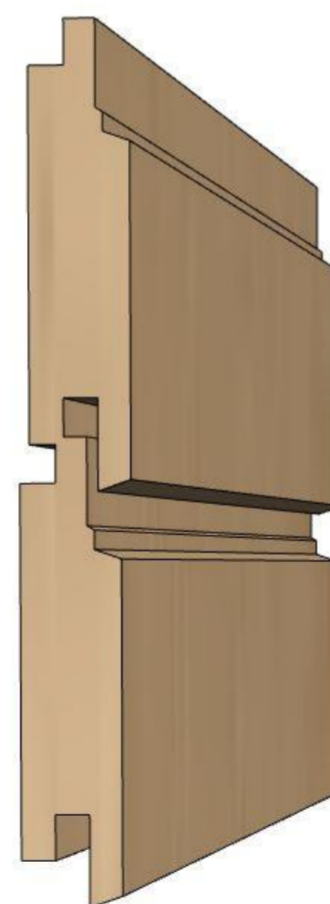
Do not allow rain or water to get behind boards during installation. Wall cavity must be protected at all times. It's important that all flashing around windows or other openings are adequately installed to allow for proper drainage away from the timber. Care and attention should also be taken to avoid pooling of water when fixing other structures such as pergolas to the cladding as well.

Fixings:

Boards should be screwed with 50mm long stainless steel 7 gauge (small head) Stainless Steel (304 or 316 grade) screws as these don't degrade like other metals with but care should be taken close to ends to avoid splitting. (Radial can supply self-drilling, self-countersinking stainless steel screws fixings). **It is recommended that 110x19 T&G boards be face fixed. The screws should be installed so that they sit flush on the rebate allowing the over lapping board to lock into place against the shadow line. Care should be taken if using self-drilling screws especially at the ends of the boards to avoid splitting**



2.0 Typical Tongue & Groove SQE Shiplap Profile



Note: Option of End Matching of Tongue & Groove Shiplap boards available upon request

NOTES:

THE BUILDER SHALL CHECK AND VERIFY ALL DIMENSIONS AND NOTIFY ALL ERRORS AND OMISSIONS TO THE DESIGNER. DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL ISSUED BY THE DESIGNER FOR CONSTRUCTION. DO NOT SCALE DRAWINGS. USE FIGURED DIMENSIONS ONLY. **FIXING DETAILS:** REFER TO RADIAL TIMBERS RECOMMENDED FIXINGS (www.radialtimbers.com.au)

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DRAWING NAME:
 Typical Radial Shiplap Profiles

SCALE: A2 - Not To Scale
 DATE: 18-Feb-17
 DWG NO: S01
 REVISION: 04