

Morayfield Deck Collapse Interim Report



The corner supporting studs are totally missing at the top



Part of the corner studs can be seen at the bottom

The deck collapse was due to totally decayed corner studs (probably untreated radiata) supporting the deck bearer end in the wall frame which in turn was supporting a newer deck added during extensions.

The wall frame is part of a 'room build in' under original deck that occurred during extensions in 1999 with FC 'water proof' deck added over original deck. Deck joist and bearers were cypress with no sign of decay in the cypress deck bearer end etc, or termites. Water entry to corner studs that decayed was due to poor detailing/flashing and failed sealants etc where new FC added over original deck and where the bearer penetrated FC cladding into frame.

There were no issues with the cypress deck joists or bearers re grade or decay except that some deck joist had decay to some of top corners (sapwood) and this is understandable as the sapwood is not durable.

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