

## SITE SPECIFIC Risk Assessment

|       |  |     |   |         |  |      |  |
|-------|--|-----|---|---------|--|------|--|
| Date: |  | New | ✓ | Revised |  | Page |  |
|-------|--|-----|---|---------|--|------|--|

### TRADE: ROOF TILER

|          |   |             |                 |
|----------|---|-------------|-----------------|
| Job No:  | 7622/14                                   | Client:     | WALSH & KNOWLES |
| Address: | 15 St James Road, Bondi Junction NSW 2022 | Supervisor: | David Wahba     |

|      |                |                 |                 |
|------|----------------|-----------------|-----------------|
| Key: | "1" action now | "2" action ASAP | "3" action ASAP |
|------|----------------|-----------------|-----------------|

**Note 1:** Refer to the general Safety Plan and Safe Work Method Statement.

**Note 2:** Safe work procedures shall be implemented for the supply and use of a *hazardous chemical / substance/s* on site that complies with the material data sheet recommendations and also complies with the requirements of WHS Regulation 2011 Chapter 3 - Part 3.2

**Note 3:** all *manual tasks* to comply with the requirements of Safe Work Australia – National Code of Practice for Manual Handling 2009 or WorkCover NSW Code of Practice - Hazardous manual tasks

**Note 4:** Review of Control Measures - *If there are any tasks that may be included by way of variation to the plans or an alternative approach to the set task, it is a requirement to carry out a "specific Risk Assessment" for the task or tasks.*

| Job Step / Hazard   | Potential Harm  | Likelihood |          |          | Result |        |       | Priority | Possible Controls  | Responsible Person/s            | Date |
|---|---|------------|----------|----------|--------|--------|-------|----------|--|---------------------------------|------|
|   |   | Likely     | Possible | Unlikely | Major  | Severe | Minor |          |  |                                 |      |
| Access to site / work areas -<br>Slips, trips, falls and accessibility -<br><br>Access ways not clearly defined - | Slips, trips and falls  |            | ✓        |          |        | ✓      |       | 3        | Assess travel path and distance to work area<br><br>Ensure unobstructed access to site and work areas.   | Site Supervisor /all 'workers'  |      |
| Stored materials -<br>Slips, trips, falls and accessibility -<br><br>Access ways not clearly defined              | Slips, trips and falls  |            | ✓        |          |        | ✓      |       | 2        | Assess travel path and distance to work area<br><br>Ensure unobstructed access to work areas.<br><br>Provide and maintain barricades to isolate material and to restrict access.<br>Provide designated waste areas | Site Supervisor / all 'workers' |      |
| Manual tasks  | Muscle strain - back injuries and cuts<br><br>Over exertion or repetitive movements |            | ✓        |          |        | ✓      |       | 2        | Identify the risks and plan the tasks in consultation with the 'workers'<br><br>Use task specific trained 'workers' and team lifting - rotate 'workers' and vary tasks.  | Contractor / all 'workers'      |      |
| Exposure to dust -  | Dust inhalation / skin  |            | ✓        |          |        | ✓      |       | 3        | Appropriate removal  | Contractor / all                |      |

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|  |   | Likely     | Possible | Unlikely | Major  | Severe | Minor |          |  |  |      |
| Hazardous chemical - Biological -  | and eye allergies/ irritations.<br>Respiratory problems   |            |          |          |        |        |       |          | procedures for roofing material to contain dust.<br>Use appropriate PPE  | 'workers'  |      |
| Exposure to noise - Plant / equipment  | Hearing damage  |            | ✓        |          |        | ✓      |       | 2        | Isolate plant and equipment.<br>Use appropriate PPE  | All 'workers'  |      |
| Exposure to UV light / weather -<br><br>UV light - glare<br><br>Extreme temperatures   | Skin cancer / sun burn -<br><br>Dehydration - heat stroke or fatigue<br><br>Sight damage                    |            | ✓        |          |        | ✓      |       | 2        | Reduce exposure where possible.<br><br>Monitor 'workers' condition<br><br>Adequate fluid intake<br><br>Use appropriate sun screen.<br>Wear appropriate PPE.  | Contractor / all 'workers'   |      |
| Contact with o/head electrical services / point of attachment -<br>Power lines not isolated, covered or enclosed -<br>Working to close to electrical supply -<br>Strong winds causing power lines to swing close to work area -<br>Wet conditions making 'tiger tails' ineffective | Electric shock or electrocution   |            | ✓        |          |        | ✓      |       | 3        | Identify that the electrical supply is isolated prior to work commencing.<br><br>Provide 'tiger tails' [insulation] - adequately boxed adjacent to scaffold - extended an appropriate distance past the boundary | Licensed Electrical Contractor or Approved person<br><br>Site Supervisor<br><br>Contractor / all 'workers' |      |
| Location of services -<br>Electricity - insulation to old wiring frayed or brittle [conduit] or easily damaged - water pipe electrified<br>Gas service -<br>Hazardous chemical<br>Biological   | Electric shock or electrocution<br><br>Gas explosion<br><br>Inhalation and exposure to hazardous chemicals  |            | ✓        |          | ✓      |        |       | 3        | Identify that the electrical supply / wiring is isolated prior to work commencing<br><br>RCD installed on mains supply / portable generator<br><br>Isolate gas service.  | Site Supervisor / all 'workers'  |      |
| Gaining access to the roof surface - use of ladder<br><br>Slips, trips, falls and accessibility -<br><br>Inadequate access and access not suitably defined – Windy and or wet  | Slips, trips, falls and accessibility<br><br>Muscle strain - back injuries and cuts<br><br>Fall from ladder |            | ✓        |          | ✓      |        |       | 1        | Identify the risks and plan the task in consultation with the 'workers'<br><br>Assess travel path and distance to work area<br><br>Ensure unobstructed access work areas<br><br>Use scaffold as working          | Contractor / all 'workers'   |      |

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|--|---|------------|----------|----------|--------|--------|-------|----------|--|----------------------------|------|
|  |   | Likely     | Possible | Unlikely | Major  | Severe | Minor |          |  |                            |      |
| conditions -<br>Gravity - overbalancing  |   |            |          |          |        |        |       |          | platform.<br>Ensure ladder is at 4:1 slope.<br>Secure ladder at base and top.<br>Ensure 'workers' face the ladder when climbing up and down ladder.<br>Provide and maintain barricades to restrict access to work area.<br><br>Limit the use of ladders<br><br>Training on the safe use of ladders   |                            |      |
| Stripping existing tiled roof surfaces -<br>Slips, trips, falls and accessibility –<br>Inadequate fall prevention system / work platform -<br>Pitch of roof - condition of tiles -<br>Windy and or wet conditions<br>Gravity - overbalancing<br>Manual tasks | Falls through roof frame and from the roof edge<br><br>Fractures, bruises lacerations and personal injuries<br><br>Muscle strain - back injuries and cuts |            | ✓        |          | ✓      |        |       | 3        | Identify the risks and plan the tasks in consultation with the 'workers'<br><br>Assess travel path and distance to work area<br><br>Ensure unobstructed access work areas.<br>Appropriate removal procedures to contain dust<br><br>Provide perimeter guardrail / catch scaffold to roof surface.<br><br>Use task specific trained 'workers' in safe working at heights - ensure 'workers' know their responsibility during the work / removal process<br><br>Use safety harness - use task specific trained 'workers'.<br><br>Controlled removal / disposal of the roofing tiles - provide debris chute<br><br>Use designated drop areas to restrict traffic across the roof surface<br><br>Don't stack / store removed tiles on roof or on scaffold. | Contractor / all 'workers' |      |

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|   |  | Likely     | Possible | Unlikely | Major  | Severe | Minor |          |   |   |      |
|   |  |            |          |          |        |        |       |          | Don't remove / strip tiles and a wet or windy day<br><br>Provide barricades to restrict access to work areas.<br><br>Wear appropriate PPE   |   |      |
| Walking on tiles that break under foot -<br><br>Slips, trips, falls and accessibility - walking in the middle of tiles - not tile lap -<br><br>Inadequate fall prevention system / work platform -<br><br>Pitch of roof -<br><br>Windy and or wet conditions -<br><br>Gravity - overbalancing<br><br>Manual tasks | Slips, trips and falls through roof surface.<br><br>Fractures, bruises lacerations and personal injuries |            | ✓        |          |        | ✓      |       | 2        | Identify the risks and plan the task in consultation with the 'workers'<br><br>Assess travel path and distance to work area<br><br>Ensure unobstructed access work areas.<br><br>Use task specific trained 'workers'<br><br>Provide perimeter guardrail / catch scaffold to roof surface.<br><br>Use designated drop areas to restrict traffic across the roof surface<br><br>Provide training on safe working at heights and on brittle surfaces.<br><br>Use appropriate PPE | Contractor / all 'workers'                        |      |
| Set out of roofing battens -<br><br>Slips, trips, falls and accessibility-<br><br>Inadequate fall prevention system / work platform -<br><br>Pitch of roof -<br><br>Windy and or wet conditions -<br><br>Gravity - overbalancing<br><br>Manual tasks  | Slips, trips and falls through framing<br><br>Muscle strain - back injuries and cuts                     |            | ✓        |          |        | ✓      |       | 1        | Identify the risks and plan the task in consultation with the 'workers'<br><br>Assess travel path and distance to work area<br><br>Ensure unobstructed access work areas.<br><br>Provide perimeter guardrail / catch scaffold to roof surface.<br><br>Use task specific trained /experienced 'workers' in safe working at heights - ensure 'workers' know their responsibility during the work process<br><br>Limit truss/rafter spacing to 600mm SWMS                        | Site Supervisor<br><br>Contractor / all 'workers' |      |

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|  |  | Likely     | Possible | Unlikely | Major  | Severe | Minor |          |   |                            |      |
| Cutting in roofing battens -<br><br>Slips, trips, falls and accessibility.<br><br>Manual tasks   | Slips, trips and falls through framing<br><br>Muscle strain - back injuries and cuts   |            | ✓        |          | ✓      |        |       | 1        | Identify the risks and plan the tasks in consultation with the 'workers'<br><br>Ensure unobstructed access to work areas.<br><br>Use task specific trained and experienced 'workers'.<br><br>Limit truss / rafter spacing to 600mm.<br><br>Wear appropriate PPE   | Contractor / all 'workers' |      |
| Carry rolls of foil sarking up ramp /scaffold -<br><br>Slips, trips, falls and accessibility -<br><br>Inadequate fall protection system / work platform -<br><br>Slope of ramp -<br><br>Windy and or wet conditions -<br><br>Manual tasks<br><br>Exposure to dust -<br><br>Hazardous chemicals -<br><br>Biological | Slips, trips and falls from ramp or work platform<br><br>Muscle strain -back injuries and cuts<br><br>Dust inhalation - respiratory problems<br><br>Eye and skin irritations / allergies |            | ✓        |          | ✓      |        |       | 3        | Identify the risks and plan the task in consultation with the 'workers'<br><br>Assess travel path and distance to work area<br><br>Ensure unobstructed access to work areas.<br><br>Guardrails to ramp are in place - ramp and work platform clean and dry.<br><br>Scaffold guardrails and work platform is complete - use of toe boards /dust screening.<br><br>Provide barricades to restrict access to around / under work areas.<br>Team lifting and carrying.<br>Rotate 'workers' and vary tasks.<br>Limit weights to manageable sizes.<br><br>Use appropriate PPE - disposable dust protection.<br><br>SWMS | Contractor / all 'workers' |      |
| Carry rolls of   | Slips, trips and falls   |            | ✓        |          | ✓      |        |       | 1        | Identify the risks and  | Site Supervisor            |      |

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|  |  | Likely     | Possible | Unlikely | Major  | Severe | Minor |          |  |                            |      |
| sarking over roof frame and cut and fix sarking-<br><br>Slips, trips, falls and accessibility -<br><br>Inadequate fall prevention system / work platform -<br><br>Pitch of roof<br><br>Windy and or wet conditions<br><br>Gravity - overbalancing<br><br>Manual tasks<br><br>Glare from reflective sarking | from edge of roof and through the framing.<br><br>Fractures, bruises lacerations and personal injuries<br><br>Muscle strain - back injuries                            |            |          |          |        |        |       |          | plan the tasks in consultation with the 'workers'<br><br>Ensure unobstructed access to work areas.<br><br>Provide perimeter guardrail to the roof.<br><br>Use task specific trained 'workers'.<br><br>Limit truss / rafter spacing to 600mm.<br><br>Use safety harness - use task specific trained 'workers'.  | Contractor / all 'workers' |      |
| Use of electrical powered plant and equipment -<br><br>Electricity -<br>Exposure to noise -  | Electrical shock or electrocution<br><br>Hearing loss<br><br>Sight damage  |            | ✓        |          |        | ✓      |       | 2        | Identify the risks and plan the task in consultation with the 'workers'<br><br>RCD installed on mains supply / portable generator<br><br>Guards to plant and equipment fully operational.<br><br>Protect leads from damage - power saw blade / sharp edges / vehicular traffic<br><br>Use stands and hooks for leads in trafficable areas<br><br>Use of appropriate PPE. | Contractor/ all 'workers'  |      |
| Use of pneumatic operated tools and equipment -<br><br>Compressed air -<br>Exposure to noise -<br>Exposure to dust -<br>Hazardous chemicals<br>Biological -<br>Plant / equipment   | Impact injury from projectiles<br><br>Hearing loss<br><br>Inhalation of dust - respiratory problems.<br><br>Eye and skin irritations / allergies -<br><br>Sight damage |            | ✓        |          |        | ✓      |       | 2        | Identify the risks and plan the task in consultation with the 'workers'<br><br>Appropriate warning signage and barricades to restrict access into the work area<br><br>Ensure unobstructed access work areas   | Contractor / all 'workers' |      |

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|  |  | Likely     | Possible | Unlikely | Major  | Severe | Minor |          |  |  |      |
|  |  |            |          |          |        |        |       |          | <p>Regularly monitor that air hoses are securely engaged and not damaged</p> <p>Guards to tools fully operational</p> <p>Protect air line from damage - power saw blade / sharp edges / vehicular traffic</p> <p>Use of appropriate PPE.</p> <p>Use task specific trained 'workers'.</p>   |  |      |
| <p>Load roof - positioning of the elevator -</p> <p>Access to tiles and elevator</p> <p>Manual tasks</p>   | <p>Muscle strain - back injuries and cuts</p> <p>Over exertion or repetitive movements</p>   |            | ✓        |          |        | ✓      |       | 2        | <p>Identify the risks and plan the tasks in consultation with the 'workers'</p> <p>Ensure unobstructed access to tiles and elevator</p> <p>Use task specific trained 'workers' to operate plant and equipment.</p> <p>Use task specific trained 'workers' and team lifting - rotate 'workers' and vary tasks.</p> <p>Use appropriate PPE. SWMS</p>                             | Contractor / all 'workers'                               |      |
| <p>Installation of tiled roof covering -</p> <p>Slips, trips, falls and accessibility -</p> <p>Inadequate fall prevention system / work platform-</p> <p>Pitch of roof</p> <p>Windy and or wet conditions</p> <p>Gravity - overbalancing</p> <p>Manual tasks</p> | <p>Slips, trips and falls from edge of roof</p> <p>Fractures, bruises lacerations and personal injuries</p> <p>Muscle strain - back injuries and cuts</p> <p>Over exertion or repetitive movements</p> |            | ✓        |          | ✓      |        |       | 1        | <p>Identify the risks and plan the tasks in consultation with the 'workers'</p> <p>Provide perimeter guardrail / catch scaffold to the roof surface.</p> <p>Use safety harness and task specific trained 'workers'</p> <p>Use task specific trained /experienced 'workers' in safe working at heights - ensure 'workers' know their responsibility during the work process</p> | <p>Site Supervisor</p> <p>Contractor / all 'workers'</p> |      |

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|   |  | Likely     | Possible | Unlikely | Major  | Severe | Minor |          |  |                            |      |
|   |  |            |          |          |        |        |       |          | Rotate 'workers' and vary tasks.   |                            |      |
| Cut roof tiles to fit at hip / valleys -<br>- dispose of tile off cuts from roof surface -<br>Slips, trips, falls and accessibility -<br>Inadequate fall prevention system / work platform -<br>Pitch of roof -<br>Windy and or wet conditions -<br>Gravity - overbalancing<br>Manual tasks | Slips, trips and falls from edge of roof.<br>Muscle strain - back injuries and cuts<br>Over exertion or repetitive movements<br>Struck by falling objects. |            | ✓        |          |        | ✓      |       | 2        | Identify the risks and plan the task in consultation with the 'workers'<br>Ensure unobstructed access to work areas.<br>Provide perimeter guardrail to the roof surface<br>Use designated drop areas to restrict traffic across the roof surface<br>Provide barricades to restrict access to work areas.<br>Use appropriate PPE. | Contractor / all 'workers' |      |
| Bedding and pointing with lime / cement -<br>Hazardous chemicals - Biological -   | Inhalation of dust - respiratory problems.<br>Eye and skin irritations / allergies   |            | ✓        |          |        | ✓      |       | 3        | Provide training on safe use of lime and cement products.<br>Use appropriate PPE and provide SDS.  | Contractor / all 'workers' |      |
| Bedding and pointing with flexible pointing -<br>Hazardous chemicals - Biological -   | Eye and skin irritations / allergies   |            | ✓        |          |        | ✓      |       | 3        | Provide training on safe use of pointing product.<br>Use appropriate PPE and provide SDS.  | Contractor / all 'workers' |      |
| Site clean up including roof surfaces on completion of work -<br>Manual tasks<br>Exposure to dust -<br>Hazardous chemicals Biological -   | Inhalation of dust - respiratory problems.<br>Eye and skin irritations / allergies<br>Personal injuries - cuts and abrasions.                              |            | ✓        |          |        | ✓      |       | 3        | Identify the risks and plan the tasks in consultation with the 'workers'<br>Provide perimeter guardrail to the roof surface<br>Use task specific trained 'workers' in the safe operation of equipment used to clean down the roof surfaces<br>Use appropriate PPE including footwear<br>Remove any temporary                     | Contractor / all 'workers' |      |

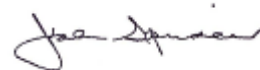


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|-------------------|----------------|------------|----------|----------|--------|--------|-------|----------|---|----------------------|------|
|                   |                | Likely     | Possible | Unlikely | Major  | Severe | Minor |          |   |                      |      |
|                   |                |            |          |          |        |        |       |          | barricades if no longer required from around work area<br><br>Place all associated roofing waste and debris in the designated waste area / skip bin<br><br>Leave site / work area in a clean and tidy condition |                      |      |

I / We have consulted with Cape Cod Australia Pty. Limited and have mutually agreed on the above procedures. This risk assessment provides details on how I / we will manage my / our work on this Cape Cod Australia Pty. Limited work site.

Company  
Name:

Signed by:



Signed by:

(Contractor PCBU)

for and on behalf of: Cape Cod Australia Pty. Limited

ABN: 54 000 605 407

Builder's Licence No.: 5519

ABN:

Address:

Phone:

Fax:

Email: