

SITE SPECIFIC Risk Assessment

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| Date: | 13/5/2016 | New | ✓ | Revised | 6/6/2016 | Page | |
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TRADE: ROOF TILER

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|----------|--------------------------------|-------------|-------------|
| Job No: | 7748/16 | Client: | THRELFO |
| Address: | 61 Colane Street, CONCORD WEST | Supervisor: | Shane Denny |

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

Note 1: Refer to the general Safety Plan and your Safe Work Method Statement prepared in accordance with WHS Regulation 2011 s309 -315 Part 6.4

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 *current material safety data sheet* recommendations and also complies with the requirements of WHS Regulation 2011 Chapter 3 - Part 3.2

Note 3: All *manual tasks* are to comply with the requirements of WHS Regulation 2011 - Hazardous manual tasks Part 4.2 or Safe Work Australia - National Code of Practice for Manual Handling 2009 [or as amended] or Safe Work NSW Code of Practice - Hazardous manual tasks

Note 4: Management of the risk of fall from one level to another must comply with Part 3.1 and the requirements of WHS Regulation 2011 - Falls s78-80 Part 4.4

Note 5: 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 - Slips, trips, falls and accessibility - Access ways not clearly defined - | Slips, trips and falls | | ✓ | | | ✓ | | 3 | Identify the risks and plan the tasks in consultation with the 'workers' Assess travel path and distance to work area Ensure unobstructed all weather access to site and work areas. Unload and move equipment and materials to designated area to keep footpath / work place access clear | Site Supervisor /all 'workers' | |
| Stored materials - Slips, trips, falls and accessibility - Access ways not clearly defined | Slips, trips and falls | | ✓ | | | ✓ | | 2 | Assess travel path and distance to work area Ensure unobstructed access to work areas. Provide and maintain barricades to isolate material and to restrict access. Provide designated waste areas | Site Supervisor / all 'workers' | |

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| Manual tasks | Muscle strain - back injuries and cuts Over exertion or repetitive movements | | ✓ | | | ✓ | | 2 | Identify the risks and plan the tasks in consultation with the 'workers' Use task specific trained 'workers' and team lifting - rotate 'workers' and vary tasks. | Contractor / all 'workers' | |
| Exposure to dust - Hazardous chemical - Biological - | Dust inhalation / skin and eye allergies/ irritations. Respiratory problems | | ✓ | | | ✓ | | 3 | Appropriate removal procedures for roofing material to contain dust. Use appropriate PPE | Contractor / all 'workers' | |
| Exposure to noise - Plant / equipment | Hearing damage | | ✓ | | | ✓ | | 2 | Isolate plant and equipment. Use appropriate PPE | All 'workers' | |
| Exposure to UV light / weather - UV light - glare Extreme temperatures | Skin cancer / sun burn - Dehydration - heat stroke or fatigue Sight damage | | ✓ | | | ✓ | | 2 | Reduce exposure where possible. Monitor 'workers' condition Adequate fluid intake Use appropriate sun screen. Wear appropriate PPE. | Contractor / all 'workers' | |
| Contact with o/head electrical services / point of attachment - Power lines not isolated, covered or enclosed - Working too close to electrical supply - Strong winds causing power lines to swing close to work area - Wet conditions making 'tiger tails' ineffective | Electric shock or electrocution | | ✓ | | | ✓ | | 3 | Identify that the electrical supply is isolated prior to work commencing. Provide 'tiger tails' [insulation] - adequately boxed adjacent to scaffold - extended an appropriate distance past the boundary | Licensed Electrical Contractor or Approved person Site Supervisor Contractor / all 'workers' | |
| Location of services - Electricity - insulation to old wiring frayed or brittle [conduit] or easily damaged - water pipe electrified Gas service - Hazardous chemical Biological | Electric shock or electrocution Gas explosion Inhalation and exposure to hazardous chemicals | | ✓ | | ✓ | | | 3 | Identify that the electrical supply / wiring is isolated prior to work commencing RCD installed on mains supply / portable generator Isolate gas service. | Site Supervisor / all 'workers' | |
| Gaining access to the roof surface - | Slips, trips, falls and accessibility | | ✓ | | ✓ | | | 1 | Identify the risks and plan the task in consultation with the | Contractor / all 'workers' | |

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| <p>use of ladder</p> <p>Slips, trips, falls and accessibility -</p> <p>Inadequate access and access not suitably defined -</p> <p>Windy and or wet conditions -</p> <p>Gravity - overbalancing</p> | <p>Muscle strain - back injuries and cuts</p> <p>Fall from ladder</p> | | | | | | | | <p>'workers'</p> <p>Assess travel path and distance to work area</p> <p>Ensure unobstructed access work areas</p> <p>Use scaffold as working platform. Ensure ladder is at 4:1 slope. Secure ladder at base and top. Ensure 'workers' face the ladder when climbing up and down ladder.</p> <p>Provide and maintain appropriate warning signage and barricades to isolate and to restrict unauthorised / inadvertent access / entry into the work area by others</p> <p>Limit the use of ladders</p> <p>Training on the safe use of ladders</p> | | |
| <p>Stripping existing tiled roof surfaces -</p> <p>Slips, trips, falls and accessibility -</p> <p>Inadequate fall prevention system / work platform -</p> <p>Pitch of roof - condition of tiles -</p> <p>Windy and or wet conditions</p> <p>Gravity - overbalancing</p> <p>Manual tasks</p> | <p>Falls through roof frame and from the roof edge</p> <p>Fractures, bruises lacerations and personal injuries</p> <p>Muscle strain - back injuries and cuts</p> | | ✓ | | ✓ | | | 3 | <p>Identify the risks and plan the tasks in consultation with the 'workers'</p> <p>Assess travel path and distance to work area</p> <p>Ensure unobstructed access work areas. Appropriate removal procedures to contain dust</p> <p>Provide perimeter guardrail / catch scaffold to roof surface.</p> <p>Use task specific trained 'workers' in safe working at heights - ensure 'workers' know their responsibility during the work / removal process</p> <p>Use safety harness - use task specific trained 'workers'.</p> | Contractor / all 'workers' | |

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| | | | | | | | | | <p>Controlled removal / disposal of the roofing tiles - provide debris chute</p> <p>Use designated drop areas to restrict traffic across the roof surface</p> <p>Don't stack / store removed tiles on roof or on scaffold.</p> <p>Don't remove / strip tiles and a wet or windy day</p> <p>Provide and maintain appropriate warning signage and barricades to isolate and to restrict unauthorised / inadvertent access / entry into the work area by <i>others</i></p> <p>Wear appropriate PPE</p> | | |
| <p>Walking on tiles that break under foot -</p> <p>Slips, trips, falls and accessibility - walking in the middle of tiles - not tile lap -</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 through roof surface.</p> <p>Fractures, bruises lacerations and personal injuries</p> | | ✓ | | | ✓ | | 2 | <p>Identify the risks and plan the task in consultation with the 'workers'</p> <p>Assess travel path and distance to work area</p> <p>Ensure unobstructed access work areas.</p> <p>Use task specific trained 'workers'</p> <p>Provide perimeter guardrail / catch scaffold to roof surface.</p> <p>Use designated drop areas to restrict traffic across the roof surface</p> <p>Provide training on safe working at heights and on brittle surfaces.</p> <p>Use appropriate PPE</p> | Contractor / all 'workers' | |
| <p>Set out of roofing battens -</p> <p>Slips, trips, falls and accessibility-</p> <p>Inadequate fall prevention system / work platform -</p> <p>Pitch of roof -</p> | <p>Slips, trips and falls through framing</p> <p>Muscle strain - back injuries and cuts</p> | | ✓ | | ✓ | | | 1 | <p>Identify the risks and plan the task in consultation with the 'workers'</p> <p>Assess travel path and distance to work area</p> <p>Ensure unobstructed access work areas.</p> <p>Provide perimeter</p> | <p>Site Supervisor</p> <p>Contractor / all 'workers'</p> | |

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| Windy and or wet conditions - Gravity - overbalancing Manual tasks | | | | | | | | | guardrail / catch scaffold to roof surface. Use task specific trained /experienced 'workers' in safe working at heights - ensure 'workers' know their responsibility during the work process Limit truss/rafter spacing to 600mm SWMS | | |
| Cutting in roofing battens - Slips, trips, falls and accessibility. Manual tasks | Slips, trips and falls through framing Muscle strain - back injuries and cuts | | ✓ | | ✓ | | | 1 | Identify the risks and plan the tasks in consultation with the 'workers' Ensure unobstructed access to work areas. Use task specific trained and experienced 'workers'. Limit truss / rafter spacing to 600mm. Wear appropriate PPE | Contractor / all 'workers' | |
| Carry rolls of foil sarking up ramp / scaffold - Slips, trips, falls and accessibility - Inadequate fall protection system / work platform - Slope of ramp - Windy and or wet conditions - Manual tasks Exposure to dust - Hazardous chemicals - Biological | Slips, trips and falls from ramp or work platform Muscle strain -back injuries and cuts Dust inhalation - respiratory problems Eye and skin irritations / allergies | | ✓ | | | ✓ | | 3 | Identify the risks and plan the task in consultation with the 'workers' Assess travel path and distance to work area Ensure unobstructed access to work areas. Guardrails to ramp are in place - ramp and work platform clean and dry. Scaffold guardrails and work platform is complete Provide and maintain appropriate warning signage and barricades to isolate and to restrict unauthorised / inadvertent access / entry into the work area by others Team lifting and carrying. Rotate 'workers' and | Contractor / all 'workers' | |

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| | | | | | | | | | vary tasks. Limit weights to manageable sizes. Use appropriate PPE SWMS | | |
| Carry rolls of sarking over roof frame - cut and fix sarking - Slips, trips, falls and accessibility - Inadequate fall prevention system / work platform - Pitch of roof Windy and or wet conditions Gravity - overbalancing Manual tasks Glare from reflective sarking | Slips, trips and falls from edge of roof and through the framing. Fractures, bruises lacerations and personal injuries Muscle strain - back injuries | | ✓ | | ✓ | | | 1 | Identify the risks and plan the tasks in consultation with the 'workers' Ensure unobstructed access to work areas. Provide perimeter guardrail to the roof. Use task specific trained 'workers'. Limit truss / rafter spacing to 600mm. Use safety harness - use task specific trained 'workers'. Don't install sarking in wet or windy conditions | Site Supervisor Contractor / all 'workers' | |
| Use of electrical powered plant and equipment - Electricity - Exposure to noise - | Electrical shock or electrocution Hearing loss Sight damage | | ✓ | | | ✓ | | 2 | Identify the risks and plan the task in consultation with the 'workers' RCD installed on mains supply / portable generator Guards to plant and equipment fully operational. Protect leads from damage - power saw blade / sharp edges / vehicular traffic Use stands and hooks for leads in trafficable areas Use of appropriate PPE. | Contractor/ all 'workers' | |
| Use of pneumatic operated tools and equipment - Compressed air - Exposure to noise - Exposure to dust - | Impact injury from projectiles Hearing loss Inhalation of dust - respiratory problems. Eye and skin | | ✓ | | | ✓ | | 2 | Identify the risks and plan the task in consultation with the 'workers' Provide and maintain appropriate warning signage and barricades to isolate and to restrict | Contractor / all 'workers' | |

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| Hazardous chemicals Biological - Plant / equipment | irritations / allergies - Sight damage | | | | | | | | unauthorised / inadvertent access / entry into the work area by <i>others</i> Ensure unobstructed access work areas Regularly monitor that air hoses are securely engaged and not damaged Guards to tools fully operational Protect air line from damage - power saw blade / sharp edges / vehicular traffic Use of appropriate PPE. Use task specific trained 'workers'. | | |
| Load roof with tiles - positioning of the tile elevator - Access to tiles and elevator Manual tasks | Muscle strain - back injuries and cuts Over exertion or repetitive movements | | ✓ | | | ✓ | | 2 | Identify the risks and plan the tasks in consultation with the 'workers' Ensure unobstructed access to tiles and elevator Use task specific trained 'workers' to operate plant and equipment. Use task specific trained 'workers' and team lifting - rotate 'workers' and vary tasks. Provide and maintain appropriate warning signage and barricades to isolate and to restrict unauthorised / inadvertent access / entry into the work area by <i>others</i> Use appropriate PPE. SWMS | Contractor / all 'workers' | |
| Installation of tiled roof covering - Slips, trips, falls and accessibility - | Slips, trips and falls from edge of roof Fractures, bruises lacerations and personal injuries | | ✓ | | ✓ | | | 1 | Identify the risks and plan the tasks in consultation with the 'workers' Provide perimeter | Site Supervisor Contractor / all 'workers' | |

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| Inadequate fall prevention system / work platform - Pitch of roof Windy and or wet conditions Gravity - overbalancing Manual tasks | Muscle strain - back injuries and cuts Over exertion or repetitive movements | | | | | | | | guardrail / catch scaffold to the roof surface. Use safety harness and task specific trained 'workers' Use task specific trained /experienced 'workers' in safe working at heights - ensure 'workers' know their responsibility during the work process Rotate 'workers' and vary tasks. Provide and maintain appropriate warning signage and barricades to isolate and to restrict unauthorised / inadvertent access / entry into the work area by others | | |
| Cut roof tiles to fit at gables / ridges / hips / valleys - - dispose of tile off - cuts from roof surface - Slips, trips, falls and accessibility - Inadequate fall prevention system / work platform - Pitch of roof - Windy and or wet conditions - Gravity - overbalancing Manual tasks | Slips, trips and falls from edge of roof. Muscle strain - back injuries and cuts Over exertion or repetitive movements Struck by falling objects. | | ✓ | | | ✓ | | 2 | Identify the risks and plan the task in consultation with the 'workers' Ensure unobstructed access to work areas. Provide perimeter guardrail to the roof surface Use designated drop areas to restrict traffic across the roof surface Provide and maintain appropriate warning signage and barricades to isolate and to restrict unauthorised / inadvertent access / entry into the work area by others Use appropriate PPE. | Contractor / all 'workers' | |
| Bedding and pointing with lime / cement - Hazardous chemicals - Biological - | Inhalation of dust - respiratory problems. Eye and skin irritations / allergies | | ✓ | | | ✓ | | 3 | Provide training on safe use of lime and cement products. Use appropriate PPE and provide SDS. | Contractor / all 'workers' | |
| Bedding and pointing with flexible pointing - | Eye and skin irritations / allergies | | ✓ | | | ✓ | | 3 | Provide training on safe use of pointing product. Use appropriate PPE and provide SDS. | Contractor / all 'workers' | |

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| Hazardous chemicals - Biological - | | | | | | | | | | | |
| Site clean up including roof surfaces on completion of work - Manual tasks Exposure to dust - Hazardous chemicals Biological - | Inhalation of dust - respiratory problems. Eye and skin irritations / allergies Personal injuries - cuts and abrasions. | | ✓ | | | ✓ | | 3 | Identify the risks and plan the tasks in consultation with the 'workers' Provide perimeter guardrail to the roof surface Use task specific trained 'workers' in the safe operation of equipment used to clean down the roof surfaces Use appropriate PPE including footwear Remove any temporary barricades if no longer required from around work area Place all associated roofing waste and debris in the designated waste area / skip bin Leave site / work area in a clean and tidy condition | Contractor / all 'workers' | |

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:



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

Signed by:

ABN: 54 000 605 407

(Contractor PCBU)

Builder's Licence No. 5519

ABN:

Address:

Phone:

Email: