■ Description:

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| **PCBU:** | ■ PBCU: Robertson's Remedial and Painting Pty Ltd 10/56 Buffalo Road, Gladesville NSW 2111 Phone: (02) 9181 3519 | ABN: 16 140 746 247 | | | | **Workplace location:** | **■ Site:** [Insert Site Address Here] |
| **Works Manager:** | ■ Works Manager: [Insert Project Manager Here] | | | | **Date SWMS provided to PC:** | **■ Date:** [Insert Date Here] |
| **Work activity:** | ■ Description: [Insert Description Here] | | | | **Principal Contractor (PC):** | **■ PC:**  Robertson's Remedial and Painting Pty Ltd |
| **High Risk Construction Work (HRCW):** | **[✓] Risk of a person falling more than 2 metres** | | [ ] Work on a telecommunication tower | | [ ] Demolition of load-bearing structure | |
| [ ] Likely to involve disturbing asbestos | | [ ] Temporary load-bearing support for structural alterations or repairs | | [ ] Work in or near a confined space | |
| [ ] Work in or near a shaft or trench deeper than 1.5 m or a tunnel | | [ ] Use of explosives | | [ ] Work on or near pressurised gas mains or piping | |
| [ ] Work on or near chemical, fuel or refrigerant lines | | [ ] Work on or near energised electrical installations or services | | [ ] Work in an area that may have a contaminated or flammable atmosphere | |
| [ ] Tilt-up or precast concrete elements | | [ ] Work on, in or adjacent to a road, railway, shipping lane or other traffic corridor in use by traffic other than pedestrians | | **[✓] Work in an area with movement of powered mobile plant** | |
| [ ] Work in areas with artificial extremes of temperature | | [ ] Work in or near water or other liquid that involves a risk of drowning | | [ ] Diving work | |
| **Person responsible for ensuring compliance with SWMS:** | | ■ **Supervisor** | | **Date SWMS received:** | ■ Date: [Insert Date Here] | |
| **What measures are in place to ensure compliance with the SWMS?** | | Toolbox meetings, SWMS sign off, job observations and supervision review. If issues with the SWMS or new hazards are identified, the supervisor must be notified. When changes are made to SWMS, it will be communicated to all workers. | | | | |
| **Person responsible for reviewing SWMS control measures:** | | ■ **Project Manager** | | **Date SWMS received by reviewer:** | ■ Date: [Insert Date Here] | |
| **How will the SWMS control measures be reviewed?** | | The control measures implemented will be reviewed and if necessary, revised annually or if work methods change, the control measures are not effective in controlling the risk, a new hazard/risk is identified or following an incident. The SWMS will be reviewed in consultation with workers and/or others who may be affected by the SWMS. Any changes to the SWMS will be communicated with workers at induction, daily pre-starts and toolbox talks. | | | | |
| **Reviewer’s signature:** | | ■ **Project Manager** | | **Review date:** | ■ Date: [Insert Date Here] | |
| This SWMS must be kept and be available for inspection until the high-risk construction work to which this SWMS relates is completed. If the SWMS is revised, all versions should be kept. If a notifiable incident occurs in relation to the high-risk construction work in this SWMS, the SWMS must be kept for at least 2 years from the date of the notifiable incident. | | | | | | |

| **Task** | | **Hazard** | **Risk (Pre)** | **Control** | **Risk (Post)** | **Responsibility** | **Code** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Site Induction, Daily Sign-In and SWMS Induction** | | * Workers commencing without site awareness * SWMS not understood or controls verified before commencing activity * Unauthorised workers accessing site | **Low (1)** | **SYS (Low -1): Controls in place**  **Admin:** Daily-Sign-In and critical control confirmation completed by all workers **—** Recorded in Breadcrumb  **Admin:** Site induction completed by all workers on first day **—** Recorded in Breadcrumb  **Admin:** SWMS (site specific) induction completed signed-in by all workers including membership in PM’s WhatsApp work group **—** Recorded in Breadcrumb **Admin:** Toolbox talk conducted weekly **—** Covers tasks, hazards, controls, weather, site changes **—** Recorded in Breadcrumb **Admin:** All workers hold Construction Induction White Card **—** Recorded in Breadcrumb  **PPE:** Minimum PPE required to enter site steel capped footwear  **STOP WORK if:** Worker cannot produce White Card **—** Worker not site and SWMS inducted **—** Worker unfamiliar with **Emergency Response see below.** | **Low (1)** | Supervisor | **SYS-L1** |
| **Emergency Response** | | * Medical emergency on site * Fire or chemical spill * Worker incapacitated at height (scaffold, EWP, rope access) * Building evacuation required | **High (9)** | **SYS (High-9): Controls in place**  **Site Emergency Plan:** Communicated at induction and toolbox talk after being updated. Emergency contacts displayed at site entry. Call 000 for any serious injury or emergency. Supervisor directs responders (site address available). always  **Assembly Point:** Identified and communicated at induction. Muster procedure: supervisor conducts headcount, confirms all workers accounted for  **WAH Rescue Plan:** documented and practised. Rescue equipment on site (rope rescue kit for rope access, EWP rescue procedure)  **Chemical Spill:** Spill response equipment must be available where **chemicals are decanted on site**; minimum capacity to manage 110% of the largest container in the area, with drains protected and waste contained for disposal **Fire:** Activate alarm, evacuate, call 000. Do not fight fire beyond incipient stage. Fire extinguisher locations identified at induction  **Reporting:** Incident reporting: incidents, injuries, near-misses and hazards **—** Notify PM’s WhatsApp work group **—** Notifiable incidents reported to SafeWork NSW per WHS Act s38  **PPE:** First aid kit, fire extinguisher, spill kit **—** Locations confirmed at induction. Eye wash cup available on site if chemical products in use  **STOP WORK if:** Anyemergency **—** All work ceases until area declared safe by supervisor. **—** No restart without toolbox talks on incident and any changed controls | **Low (1)** | Supervisor / Worker / Sub-Contract Worker | **SYS-H9** |
| **Hot and Dangerous Weather** *[Work in high temperatures, direct sun, rain, wind, and electrical storms. Applicable to all outdoor tasks.]* | | * Heat stress, heat stroke, and dehydration * Slip hazard from wet surfaces * Wind dislodging materials or affecting scaffold stability * UV exposure | **Medium (3)** | **SYS (Medium-3): Controls in place.**  **Engineering:** Cool drinking water available within 50m of all work positions **Admin:** Monitor Bureau of Meteorology forecasts daily. Adjust work schedule in extreme heat **— Wind triggers**: >40 km/h suspend all elevated work (scaffold, EWP, fall restraint, IRA) **PPE:** Long sleeves (UPF-rated), broad-brim hard hat or sun brim attachment, sunscreen SPF 50+, eye protection with UV protection **STOP WORK if:** Worker shows signs of heat stress **—** Wind exceeds trigger thresholds **—** lightning within 5 km **—** Rain making surfaces unsafe for elevated work | **Low (2)** | Supervisor / Worker / Sub-Contract Worker | **SYS-M3** |
| **Residents and Public Interface** *[Manage interaction with public and building residents in active work zones. Applicable to all strata and occupied buildings.]* | | * Fall from unprotected edge * Falling objects striking residents or public * Paint overspray or dust reaching occupied areas * Noise and access disruption to residents * Unauthorised entry to work zones | **Medium (3)** | **SYS (Medium-3): Controls in place.**  **Engineering:** Physical barriers (barricades, mesh, hoarding) around all work zones accessible to residents or public **— Temporary fence or hard barriers protecting all unprotected edges > 1.5mt** **—** Drop zones below all elevated work barricaded to full fall-line of debris **—** **OPTIONAL considerations**: noise mats repositioned progressively during demolition and silica air monitoring deployed if residents report odour or visible dust **Admin:** Residents notified, via third party, minimum 48 hours before work commences **—** Written notice specifying dates, times, and nature of work **Admin:** Work hours comply with council DA conditions and strata by-laws and **—** No work outside approved hours without written approval **Admin:** Signage at building entry and work zones **—** 'CONSTRUCTION WORK IN PROGRESS', contact details, and exclusion zone warnings **STOP WORK if:** Resident or member of public enters exclusion zone **—** Barricade displaced or removed **—** Complaint of health effect from dust, fumes, or noise and message PM’s WhatsApp work group | **Low (1)** | Supervisor / Worker / Sub-Contract Worker | **SYS-M3** |
| **Balcony Security (Occupied Residential Apartments) during silica producing activities**  *[Manage interaction with public and building residents in active work zones. Applicable to all strata and occupied buildings.]* | | * Fall from unprotected edge * Residents accessing balcony work area * Barrier/dust seal tampering leading to dust ingress and silica exposure from work activities | **Medium (3)** | **SYS (Medium-3): Controls in place.**   1. **Controlled Access**: Balcony access is permitted only with prior approval from the Site Supervisor/PM and only for authorised workers 2. **Tape/Dust Seal Integrity:** Maintain continuous separation to the occupied unit (dust-ingress seals). Do not leave any gaps 3. **Immediate Reinstatement:** If any tape/dust seal is found removed, damaged, or loose, stop work in the area and reinstate immediately before continuing   **Immediate Reporting and Escalation:** Report any resident access or tampering immediately to the PM’s WhatsApp work group. PM records in the incident register and notifies resident representative. | **Low (2)** | Supervisor / Worker / Sub-Contract Worker | **SYS-M3** |
| **Housekeeping and Waste Management** *[Ongoing site cleanliness, waste segregation, and material storage throughout all painting and remedial activities.]* | | * Slip, trip, and fall from debris, spills, or cluttered work areas * Environmental contamination from paint waste, solvents, or chemical residue * Fire from accumulated waste or flammable materials | **Low (2)** | **PRE (Low-2): Controls in place.**  **Engineering: Never block fire exits or fire escape corridor and stairwells** **—** Designated waste bins **—** General waste, recyclable, and hazardous (paint, solvent, chemical containers)  **Admin:** Clean-as-you-go policy **—** Each work area cleared of debris and waste at end of each task and end of day **—** Paint and solvent waste disposed complies with EPA requirements **—** Not poured into stormwater, drains, or ground.  **PPE:** Steel capped footwear, nitrile gloves for handling paint waste and chemical containers  **STOP WORK if:** Fire risk from accumulated flammable waste **—** Work area too cluttered to maintain safe access/egress | **Low (1)** | Worker / Sub-Contract Worker | **PRE-L2** |
| **Manual Handling** *[Lifting, carrying, pushing, and pulling of materials, tools, and equipment. Includes paint drums, bags of mortar/sand, scaffold components, ladders, and sheet materials.]* | | * Musculoskeletal injury from lifting, awkward postures, or repetitive tasks * Crush injury from dropped loads * Strain from carrying materials on stairs or uneven surfaces | **Medium (3)** | **PRE (Medium-3): Controls in place.**  **Engineering:** Mechanical aids first **—** Trolleys and powered scaffold-mounted materials winch/hoist >20 kg **—** Team lifts for awkward or heavy items minimum 2 persons for 20L drums on stairs or pass between scaffold decks  **Admin:** Pre-task assessment of manual handling risks **—** Route, load weight, distance, stairs, and obstacles **—** Plan delivery to minimise carry distances **—** Powered scaffold-mounted materials winch/hoist listed on plant and equipment register to confirm in service with OEM requirements  **PPE:** Steel capped footwear, cut-resistant gloves, long sleeves  **STOP WORK if:** Worker reports pain or strain **—** Access route obstructed **—** Powered scaffold-mounted materials winch/hoist SWL unknown **—** Exclusion zone breach, electrical fault/RCD trip | **Low (1)** | Worker / Sub-Contract Worker | **PRE-M3** |
| **High Access — Ladder Use (Short-Duration Only)** *[Use ladders for exterior tasks* ***only where EWP/scaffold/rope access is not reasonably practicable****. Extension ladder for access/short tasks; platform ladder for longer duration light work; A-frame for very short tasks (****≤10 minutes****).]* | | * Fall from ladder (overreach/loss of balance) * Ladder slip (incorrect setup/unstable ground) * Dropped tools/objects onto persons below | **High (6)** | **WAH (High-6) CCVS HOLD POINTS:**  **HOLD POINT — Do not commence until:**   1. **Elimination/Substitution confirmed:** EWP/scaffold (or other higher order control) considered first. Ladder use justified as **short-duration** and **low-risk** only 2. **Correct ladder selected & compliant:** Industrial rated ladder to **AS/NZS 1892**, correct duty rating, inspected and **fit for purpose** (no defects) 3. **Extension ladder:** set at **4:1** angle, firm level base, top supported/secured where practicable, extends **≥1 m** above landing point if used for access 4. **A-frame/platform:** fully opened, spreaders locked, used on stable level ground 5. **Drop zone controls:** Area below controlled (spotter or barricade/delineation). Tools to be **secured** (tool lanyards/pouches) where there is a drop risk   **Engineering:**   * Industrial-rated ladder AS/NZS 1892, correct angle (4:1 extension), non-slip feet, secured where possible. A-frame fully opened and locked.   **Admin:**   * Working at Heights Risk Assessment (WAH\_RA) completed before each ladder use **—** Confirms ladder is only practicable method for this task. Three points of contact always. No top two rungs. No overreaching. Spotter or delineate area below.   **PPE:**   * Steel capped footwear, cut-resistant gloves as required, eye protection as required and tool lanyards where applicable   **STOP WORK if:**   * Ladder damaged/defective **—** Footing unstable/uneven **—** Inadequate control of area below **—** Unsafe weather/wind **—** Electrical hazards not controlled **—** Task exceeds short-duration/changes in scope | **Low (2)** | Supervisor / Worker | **WAH-H6** |
| **Scaffold — Erect, Use, and Dismantle** *[All scaffold erection, modification, and dismantling. Includes mobile scaffolds, fixed scaffolds, and cantilever platforms used for painting and remedial access.]* | | * Fall from height during erection, use, or dismantling * Scaffold collapse from inadequate design, overloading, or ground failure * Falling objects from scaffold platform * Workers below struck by components during erection/dismantle | **High (6)** | **WAH (High-6) CCVS HOLD POINTS:**  **HOLD POINT — Do not commence until:**   1. Appropriate SafeWork NSW HRW scaffolding licence sighted/recorded prior to erection/modification/dismantle 2. Status tagging: Green “SAFE TO USE” tag at each access point before use, if incomplete/under alteration then Red “DO NOT USE/INCOMPLETE” tag 3. Design/engineering: erected to AS/NZS 1576; any scaffold >4 m or non-standard (cantilever/complex/public interface/unusual loads) requires engineer design/verification sighted on site 4. Exclusion zone: barricade full drop zone/fall-line below during erection/dismantle and overhead work; no persons/public inside 5. Electrical clearance: overhead/adjacent electrical hazards identified; exclusion distances/isolations implemented before erection/use   **Engineering:**   * Full perimeter guardrails (top/mid) and toe boards; brick guards where materials stored; debris mesh/shade cloth where adjacent to public/occupied areas * Sole/base plates on all standards; ground bearing confirmed * Mobile scaffolds: castor locks on; outriggers as per manufacturer; do not move with persons/materials on platform * Access/egress: compliant ladder/stair access, ladder secured; no climbing braces; gates where required   **Admin:**   * Competent person inspection before first use, after modification/impact, and ≤30-day intervals, plus after severe weather (>60 km/h) * Load rating displayed and not exceeded; no stockpiling beyond immediate need; components not thrown **—** Controlled lowering/handling   **PPE:**   * Steel capped footwear, hard hat, long sleeves, cut-resistant gloves, harness/ lanyard for scaffolders during erection/dismantle as per their method/SOP   **STOP WORK if:**   * Tag missing/expired/red **—** Guardrails/toe boards incomplete **—** Settlement/subsidence **—** Overload electrical clearance not maintained | **Low (2)** | Scaffold Contractor / Supervisor | **WAH-H6** |
| **Jackhammering, Cutting, Grinding and Core Drilling— Silica Dust**  *[Applies to mechanical cutting, drilling, grinding, chasing and demolition of silica-containing materials including concrete, masonry/brick/block, mortar, render, screeds/tile beds, tiles/stone and fibre-cement sheeting Includes use of angle grinders, cut-off saws, rotary hammers, core drills and demolition hammers where respirable silica dust may be generated.*  ***Activities:***   * *Crack stitching* * *Concrete spalling* * *Brick and blockwork cutting* * *Concrete cutting* * *Brickwork repointing* * *Tile bed and membrane removal* * *Puddle flange grinding/recess]* | * Fall from unprotected edge * Silica dust inhalation **—** Silicosis (fatal, irreversible) * Dust exposure to adjacent workers and residents * Flying debris and disc/bit failure * Noise-induced hearing loss * Hand-arm vibration syndrome from sustained powered tool use | | **High (6)** | **SIL (High-6) CCVS HOLD POINTS: HOLD POINT - Work must not commence until:**   1. Temporary edge protection/fall prevention at unprotected edges 2. Wet suppression or on-tool extraction is operating on all powered tools. No dry jackhammering/cutting/grinding/core drilling on silica materials. 3. P2 respirators are worn and fit-checked by all workers in the dust zone. 4. Area is isolated and signed (close/tape doors; use plastic/zip walls indoors) and an exclusion zone ≥5 m is in place (increase as needed). 5. Air monitoring is implemented where required to verify RCS exposure/control effectiveness (e.g., high dust tasks, indoor/poor ventilation, extended duration, or as directed by WHS consultant).   **Engineering:**   * Use integrated water feed or continuous low-pressure misting at point of cut to keep surface wet, no high-pressure sprays. Manage slurry**—**remove/dispose before drying. * Where wet methods aren’t practicable, use on-tool extraction with an M-class industrial vacuum/dust extractor fitted with a HEPA filter. * RCD protection for all 240V tools/leads (test & tag in date). Battery tools preferred in damp/wet areas. * Clean-up (bulk) using M-class with HEPA extraction or wet clean**—**no blowers * Maintain tools/extractors; replace HEPA filters per manufacturer. Remove defective equipment from service.   **Admin:**   * Record silica work to be undertaken at Daily Sign-In - Breadcrumb (task, planned controls, estimated duration) * Silica air monitoring available and deployed considered if residents report odour or visible dust   **PPE:**   * P2 respirator (minimum), steel capped footwear, eye protection, hearing protection (>85 dB), anti-vibration/impact gloves, long sleeves.   **STOP WORK if:**   * Wet method stops/extraction fails **—** P2 not worn **—** Exclusion zone breached **—** Visible dust beyond zone **—** Guard removed/defective. | **Low (2)** | Supervisor / Worker / Sub-Contract Worker | **SIL-H6** |
| **Install sand/cement tile bed to balconies**  *[Mix, place, screed to falls, cure]* | * Fall from unprotected edge * Manual handling (bags/mortar silica/cement dust * Cement burns (alkali) * Slips/trips on wet screed * Dropped objects to area below | | **Medium (4)** | **PRE (Medium-4): Controls in place.**  **Engineering:** Temporary edge protection/fall prevention at unprotected edges **—** Exclusion zone below balcony **—** Apply silica controls (wet/HEPA + P2 + exclusion zone) when mixing **—** Contain washout (no stormwater).  **Admin:** Confirm waterproofing integrity/hold point sign-off before screeding **—** Confirm set-out and falls to drainage **—** No foot traffic until strength/cure achieved.  **PPE:** Gloves (alkali-resistant for cementitious base), P2 respirator (minimum) for dry mixing/dust, steel capped footwear, eye protection, knee pads for floor work  **STOP WORK if:** No compliant edge protection/exclusion zone. |  |  |  |
| **Waterproofing Membrane Application (liquid and sheet) including Priming** *[Apply ARDEX WPM 1000 sheet membrane (incl. WPM310/WPM405/WPM-STB Tape/ARDEX SE as applicable).]* | * Fall from unprotected edge * Manual handling rolls and 20L buckets * VOC/solvent vapours * Flammability/ignition * Skin/eye exposure/irritation * Slips on uncured membrane | | **Medium (4)** | **PRE (Medium-4): Controls in place.** **Engineering:** Temporary edge protection/fall prevention at unprotected edges **—** Ventilation confirmed (forced/natural) and maintained **—** Ignition sources eliminated (no smoking **—** Team lifts for awkward or heavy items  **Hold points:** membrane integrity testing before screed/tiles proceeds. Method confirmed with engineer **—** Results recorded and signed off **PPE:** Use chemical-resistant gloves (PVC or rubber), safety eyewear. **Ardex SDS** and typical application requirements for waterproofing membranes and solvent-based adhesives, the preferred respirator type is a half-face or full-face respirator equipped with organic vapour cartridges (Type A) and combined P2 particulate filters  **STOP WORK if:** Vapour odour detected in adjacent occupied unit **—** Stop, ventilate, notify residents and supervisor **—** **In the event of suspected exposure, call the Poisons Information Centre on 131126** | **Low (2)** | Supervisor | **ENV-H6** |
| **Tiling**  *[Installation to all areas as specified using tile adhesive and grout. Tile cutting.]* | * Fall from unprotected edge * Silica dust inhalation **—** Silicosis (fatal, irreversible) * Manual handling **—** tile boxes, bags of adhesive * Slip on wet adhesive or fresh grout during installation * Chemical exposure from grout and sealant | | **Medium (4)** | **ENV (Medium-4): Controls in place.**  **Engineering:** Temporary edge protection/fall prevention at unprotected edges **—** Use tile cutter or apply silica controls (wet/HEPA + P2 + exclusion zone) **—** No dry cutting of tiles **—** Wet saw waste water collected and disposed **—** Not to stormwater. **Admin:** SDS reviewed for all adhesives and grouts **—** Traffic restricted from fresh tile areas until adhesive set strength reached **—** Record silica work to be undertaken at Daily Sign-In - Breadcrumb (task, planned controls, estimated duration)  **Hold points:** Slip resistance verified per AS/NZS 4586 for all tiles before installation. **PPE:** Nitrile gloves for adhesive and grout handling, steel capped footwear, eye protection, P2 respirator (minimum) if solvent-based, cut-resistant gloves for handling cut tiles. knee pads for floor work  **STOP WORK if:** Silica controls (wet/HEPA + P2 + exclusion zone) fail or missing | **Low (1)** | Supervisor | ENV-M4 |
| **Concrete Breakout and Spalling Repair**  *[Mechanical removal of deteriorated concrete to sound substrate using powered tools. Preparation and passivation of exposed reinforcement. Application of repair mortars to restore structural profile. Temporary propping where load-bearing elements affected.]* | * Fall from unprotected edge * Structural collapse if load-bearing element undermined during breakout * Silica dust inhalation **—** Silicosis (fatal, irreversible) * Flying debris and fragments * Noise exposure * Hand-arm vibration from power tools * Hidden deterioration beyond assessed extent * Cement burns (alkali) * Epoxy and resin chemical exposure | | **High (6)** | **STR (High-6) CCVS HOLD POINTS:**  **HOLD POINT — Do not commence until:**   1. Temporary edge protection/fall prevention at unprotected edges 2. Structural engineer repair specification and drawings on site **—** Depth of breakout, reinforcement treatment, repair mortar system confirmed in writing before breakout commences 3. Class 2 buildings: Construction Issued Regulated Design (CIRD) lodged on NSW Planning Portal per DBP Act 2020 before physical work commences 4. Temporary propping confirmed in place where breakout affects load-bearing elements **—** Installed and inspected before any concrete removed 5. Exclusion zone confirmed below work area **—** Debris catch or overhead protection in place where work is above public or occupied areas   **Engineering:**   * Apply silica controls (wet/HEPA + P2 + exclusion zone) for breakout and mixing * Physical barriers to contain debris. Mesh screens on scaffold when specified. * Minimum 25mm clearance around exposed reinforcement **—** Confirmed before mortar application.   **Admin:**   * Record silica work to be undertaken at Daily Sign-In - Breadcrumb (task, planned controls, estimated duration) * Rebar cleaned to bright metal and repair mortar applied in lifts per specification   **PPE:**   * Steel capped footwear, eye protection (P2 respirator (minimum), cut-resistant gloves, chemical-resistant gloves (nitrile minimum)   **STOP WORK if:**   * Dust extraction fails or is inadequate **—** Visible dust plume beyond immediate work zone **—** Reinforcement cross-section loss exceeds 20% or engineer tolerance **—** Structural concern, unexpected cracking, movement, or voids encountered during breakout **—** Unexpected services find. | **Low (2)** | Supervisor / Worker / Sub-Contract Worker | **STR-H6** |
| **Balustrade Works**  *[Installation of new structural balustrade (metal or glass). Structural hob construction where required. Structural engineer design confirmed before installation.]* | * Fall from unprotected edge during installation **—** balustrade not yet secured * Manual handling **—** heavy glass panels and framing * Cuts and lacerations from glass panel breakage during handling or installation | | **High (6)** | **STR (High-6): Controls in place.** **HOLD POINT — Do not commence until:**   1. Temporary edge protection/fall prevention at unprotected edges   **Engineering:** Temporary fall protection maintained at all unprotected edges until each balustrade section is fully installed and certified structurally sound **—** Two-person minimum lift for all glass panels **—** Suction cups and anti-tip devices **Admin:** Structural engineer design confirmed and provided. Manufacturer installation and testing certificates provided. Minimum balustrade height 1000mm from FFL **—** Confirmed before sign-off **—** Exclusion zone maintained below during installation. **PPE:** Steel capped footwear, safety glasses, hearing protection and cut-resistant gloves  **STOP WORK if:**   * Temporary edge protection/fall prevention at unprotected edges removed | **Low (2)** | Supervisor / Structural Engineer | **STR-H6** |
| **Door and window installation**  *[Install frame, door, windows, hardware.]* | * Fall from unprotected edge during installation * Cuts from saws/blades; manual handling (doors/frames) * Noise exposure from cutting and drilling | | **Medium (4)** | **STR (Medium-4): Controls in place.**  **Engineering:** Temporary edge protection/fall prevention at exposed edges **—** Door/frame lifted and positioned using two-person lift or mechanical aid to prevent strain and loss of control **—** Inspect tool/guards/battery, clamp work, keep hands clear, store batteries safely  **Admin:** Verify opening dimensions and installation method before fixing **—** Keep exclusion zone clear during lifting/hanging **—** Follow manufacturer instructions for door hardware and fixings  **PPE:** Steel-capped footwear, eye protection drilling, hearing protection (>85 dB) cutting, cut-resistant gloves for handling door edges/hardware  **STOP WORK if:** Door/frame cannot be controlled safely during lift/hang | **Low (2)** | Supervisor / Worker / Sub-Contract Worker | **STR-M4** |
| **Crack Stitching and Structural Reinforcement**  *[Installation of helical bars, carbon fibre reinforcement, or stainless-steel pins into prepared slots/holes to restore structural integrity of cracked masonry and concrete elements.]* | * Fall from unprotected edge during installation * Silica dust inhalation **—** Silicosis (fatal, irreversible) * Noise exposure from cutting * Epoxy and resin chemical exposure. | | **Medium (4)** | **PRE (Medium-4): Controls in place.**  **Engineering:** Temporary edge protection/fall prevention at exposed edges **—** Slot cutting applies silica controls (wet/HEPA + P2 + exclusion zone) **—** No dry cutting **—** Depth stops set on cutting equipment per engineering specification typically 25–35mm  **Admin:** Engineering specification and drawings reviewed before commencement **—** Slot depths, bar sizes, spacing, grout product confirmed **—** SDS for all epoxy, grout, and primer products reviewed **—** Crack monitoring record completed before and after stitching **—**Structural engineer sign-off required before proceeding if crack width exceeds specification tolerance  **PPE:** Steel capped footwear, P2 respirator (minimum) during cutting operations, eye protection, hearing protection (>85 dB) during cutting, nitrile gloves for epoxy and grout handling  **STOP WORK if:** Crack width or depth exceeds engineering specification tolerance **—** Unexpected movement or displacement observed **—** Services detected in cutting path **—** Structural engineer advises hold **—** Product temperature outside application range | **Low (2)** | Supervisor / Worker / Sub-Contract Worker | **PRE-M4** |
| **Acrylic, Silicone, Traditional Cement Render — Repairs and NEW Render**  *[Remove loose/drummy render, prep substrate (masonry), apply render.]* | * Fall from unprotected edge * Working at height/dropped objects * Silica dust inhalation **—** Silicosis (fatal, irreversible) * Cement burns (alkali) * Epoxy and resin chemical exposure | | **High (6)** | **STR (High-6): Controls in place.** **HOLD POINT — Do not commence until:**   1. Temporary edge protection/fall prevention at unprotected edges   **Engineering:** Temporary edge protection/fall prevention at exposed edges **—** Apply silica controls (wet/HEPA + P2 + exclusion zone) when mixing **—** Substrate confirmed sound/clean/dry; compatible primer and mesh/beads installed per spec **—** Apply coats to manufacturer thickness /cure / weather limits (no rain/out-of-temp) **—** Housekeepingmanage leads/hoses, clean spills **Admin:** SDS reviewed for product  **PPE:** Steel capped footwear, P2 respirator for dust and spray/primer as required by SDS, hearing protection, gloves (alkali-resistant for cementitious base)  **STOP WORK if**:   * Temporary edge protection/fall prevention at unprotected edges removed **—** Silica controls not in place/visible dust **—** Unsafe access or falling-debris risk | **Low (2)** | Supervisor / Worker / Sub-Contract Worker | **ENV-M4** |
| **Expansion Joint Replacement (incl. sealant replacement and recaulk)**  *[Removal of failed expansion joint systems and installation of new joint sealant, backer rod, primer, and/or proprietary sealant.]* | * Fall from unprotected edge * Working at height/dropped objects * Chemical exposure from sealants/primers (incl. PU/isocyanates where applicable); * Silica dust inhalation **—** Silicosis (fatal, irreversible) * Cuts and lacerations from blades/oscillating tools; hand tool injuries * Noise exposure | | **Medium (4)** | **PRE (Medium-4): Controls in place.**  **Engineering:** Temporary edge protection/fall prevention at exposed edges **—** Apply silica controls (wet/HEPA + P2 + exclusion zone) when removing old sealant **—** Joint faces clean/dry **—** backer rod correct size (≥25% compression) and correct depth/profile  **Admin:** Joint schedule and sealant specification reviewed **—** Joint widths, depths, sealant type, primer compatibility confirmed **—** Joint movement range confirmed with structural engineer if movement exceeds original design  **PPE:** Nitrile gloves for sealant and primer handling, steel capped footwear, eye protection, P2 respirator (minimum) if solvent-based primer and cut-resistant gloves for mechanical removal with blades/oscillating tools  **STOP WORK if:** Silica controls not in place **—** Joint movement/dimensions out of spec **—**substrate wet/contaminated/unsound **—** fumes affect occupied areas **—** SDS missing/expired product | **Low (2)** | Supervisor / Worker / Sub-Contract Worker | **PRE-M4** |
| **Hazardous Chemicals — Paints, Solvents, and Coatings** *[Storage, handling, mixing, and application of all paints, primers, sealers, solvents, curing compounds, and chemical products used in cleaning, painting and remedial works.]* | * Inhalation of VOCs, solvent vapours, and chemical fumes * Skin and eye contact with paints, solvents, and epoxies * Allergic sensitisation from isocyanates (Polyurethane Sealants) * Fire or explosion from flammable solvents * Environmental contamination from spills | | **Medium (4)** | **HAZ (Medium-4): Controls in place.**  **Engineering:** No solvent-based application in unventilated areas **—** Chemical storage: flammable liquids separated from ignition sources, direct sun, and incompatible materials  **—** Quantities kept to daily need only on scaffold **—** Spill response equipment must be available where chemicals are decanted on site; minimum capacity to manage 110% of the largest container in the area, with drains protected and waste contained for disposal **Admin: SDS for every product on site —** Current version (within 5 years) **—** Workers briefed on product hazards, PPE requirements, and first aid before first use of each product  **—** Hazardous Substance Register maintained **—** Separate SWMS required if spray-applying isocyanate products (2-pack systems)  **PPE:** Chemical-resistant gloves (nitrile minimum), steel capped footwear, eye protection (splash risk), P2 respirator with organic vapour cartridge (solvent-based products), long sleeves and coveralls as required by SDS **STOP WORK if:** SDS not available for product in use  **—** Ventilation inadequate (fumes detectable at breathing zone) **—** Chemical spill not contained **—** Worker reports symptoms of chemical exposure (headache, nausea, dizziness, skin irritation) **—** **In the event of suspected exposure, call the Poisons Information Centre on 131126** | **Low (2)** | Supervisor / Worker / Sub-Contract Worker | **HAZ-M4** |
| **Epoxy Crack Injection**  *[Identification and marking of cracks, installation of injection ports, sealing of crack face with epoxy paste, injection of epoxy resin under low pressure, removal of ports and surface finishing. Includes structural and non-structural crack injection.]* | | * Skin sensitisation from epoxy resin * Eye contact with epoxy hardener * Chemical burns. * Solvent vapour inhalation from injection products. * Injection equipment under pressure **—** hose or fitting failure. * Silica dust from port drilling (cross-reference SIL task). | **Medium (4)** | **PRE (Medium-4): Controls in place.**  **Engineering:** Injection equipment maintained per manufacturer **—** Pressure relief valve functional, hose connections checked before use **—** Mixing ratios per product data sheet **—** do not exceed pot life **—** Resin mixed in small batches to control exotherm **—** Port drilling dust-controlled (HEPA shroud or wet method per SIL task)  **Admin:** SDS for epoxy resin, hardener, and crack sealer reviewed before use and accessible **—** Ventilation confirmed adequate. Injection pressure monitored do not exceed manufacturer limit **—** Crack width and depth assessed against engineer specification before injection **—** Workers trained in epoxy handling and first aid for chemical contact  **PPE:** Nitrile chemical-resistant gloves (minimum), eye protection, preferred respirator type is a half-face or full-face respirator equipped with organic vapour cartridges (Type A) and combined P2 particulate filters. Disposable coveralls recommended  **STOP WORK if:** Skin contact with uncured resin **—** Wash immediately with soap and water, do not use solvent. Eye contact **—** flush 15 minutes, seek medical attention immediately. Injection pressure exceeds manufacturer limit. Crack leaking resin externally **—** Depressurise and reseal **—** Product temperature outside application range **—** Exothermic reaction detected in mixing container **—** Do not handle, allow to cool in safe location | **Low (2)** | Supervisor / Worker / Sub-Contract Worker | **PRE-M4** |
| **Industrial Rope Access — Rope Setup and Rigging (NSW)**  *[Rig working and safety lines to verified roof anchors for external remedial/painting works. IRATA/SPRAT team minimum 2 with certified Lead Technician on site.]* | | * Fall from height (fatal) anchor failure * Rope abrasion/cut on edges * Dropped objects to residents/public below | **High (6)** | **WAH (High-6) CCVS HOLD POINTS:** **HOLD POINT - Work must not commence until:**   1. **Rope Technician** retain min. level certification with IRATA/SPRAT – recorded in Breadcrumb 2. **Lead Technician** retain min. level certification with IRATA/SPRAT for rescue – recorded in Breadcrumb 3. **Anchor verification:** Each anchor to be used is **current, certified and suitable** for rope access and direction of loading. Tag/record sighted by Lead Tech. If absent/expired/unverified/unsuitable **—** escalate to PM’s WhatsApp work group 4. **Two-rope system:** Working line and safety line independently anchored; full rig buddy-checked before loading 5. **Edge management:** Rope protection fitted at all contact points (including sharp edges) and checked before first descent and after any change 6. **Dropped object prevention:** Tools and equipment tethered/secondary retained; no loose items; use closed bags and controlled handling at edges 7. **Exclusion zone:** Establish and barricade a drop zone covering the full fall-line/impact area (minimum 3 m only as a baseline; extend as required). No persons permitted within the zone during rigging/descent 8. **Rescue readiness:** Rescue plan/method confirmed; rescue kit available and set up; prompt rescue capability in place before first descent 9. **Communications:** Primary comms confirmed and tested (radio/phone) 10. **Daily inspections:** Ropes/gear inspected daily; defects recorded; damaged items tagged out and removed   **Admin:**   * Subcontractors must submit a register and supporting records of their equipment prior to its use * Powered ascender and descender listed on plant and equipment register to confirm in service with OEM requirements   **PPE:**   * Full body harness (rope access rated), helmet with chin strap, cut-resistant gloves, steel capped safety footwear, and any additional PPE required by the task as identified in this SWMS (e.g., eye protection/face shield, hearing protection (>85 dB), respiratory protection, cut-resistant gloves, hi-vis, sunscreen).   **STOP WORK if:**   * Anchor uncertainty **—** rope/edge damage, comms failure **—** exclusion zone breach **—** rescue not ready **—** electrical storms **—** heavy rain affecting edges **—** wind/gusts above site limit (e.g., >40 km/h or as assessed by Lead Tech) | **Low (2)** | Lead Technician | **IRA-H6** |
| **EWP Operation — Boom and Scissor Lift** *[Operation of elevated work platforms (EWP) for painting and remedial access. Includes boom lifts, scissor lifts, and truck-mounted EWP.]* | | * Fall from EWP platform * EWP tip-over from ground failure, uneven ground, overloading or exceeding operating envelope * Collision with pedestrians, vehicles, overhead structures, powerlines, or building elements * Crushing **—** Worker trapped between platform and structure | **High (6)** | **WAH (High-6) CCVS HOLD POINTS: HOLD POINT — Work must not commence until:**   1. Operator SafeWork NSW HRCL (WP class) recorded/verified in Breadcrumb 2. All workers in basket WAH trained/competent in RIIWHS204E Work Safely at Heights. SOA recorded/verified in Breadcrumb 3. EWP pre-start inspection completed and recorded **—** No defects 4. EWP set up on firm, level hardstand 5. Overhead clearances measured and confirmed safe **—** Minimum 3mt exclusion from overhead powerlines 6. Harness inspected **—** Lanyard clipped to manufacturer basket anchor point (gate closed, double-action snap hook). 7. Exclusion zone to overhead powerlines: minimum 3 mt (≤132 kV), 6 mt (132–330 kV), 8 mt (330–500 kV), unless the electricity network specifies greater; use a trained spotter and physical controls to prevent encroachment   **Engineering:**   * Platform guardrails and mid-rails intact. Gate/chain secured during operation. No climbing on guardrails or standing on mid-rails. * Exclusion zone at ground level around EWP **—** Barricaded to prevent pedestrians and vehicles from entering swing/travel radius and drop zone.   **Admin:**   * Spotter for all travel movements in congested areas or where visibility limited. * Radio or verbal communication maintained between operator and ground crew. * Daily weather check **—** Wind limits per manufacturer's specification (typically 40 km/h for boom, 45 km/h for scissor). Platform lowered in gusty conditions * EWP listed on plant and equipment register to confirm in service with OEM requirements   **PPE:**   * Full-body harness with lanyard clipped to EWP anchor point, steel capped footwear   **STOP WORK if:**   * EWP defect detected **—** Ground conditions deteriorate **—** Wind exceeds manufacturer's limit **—** Harness not connected**—** Exclusion zone breach, or spotter unavailable near public areas | **Low (2)** | Supervisor / Worker / Sub-Contract Worker | **WAH-H6** |

| **SWMS Amendments (more space at the end of this document)** | | | | | |
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| **Risk Level** | **Description of consequence or impact** | **Consequence** | **Likelihood/Probability** | | |
| **Unlikely (1)** | **Possible (2)** | **Almost Certain (3)** |
| **High**  Level of harm | Actual/Potential fatality, disability or irreversible damage. Major structural failure/damage. Off-site environmental discharge/release not contained and significant long-term environmental harm. | **Major (3)** | **Medium (3)** | **High (6)** | **High (9)** |
| **Medium**  Level of harm | Actual/Potential temporary disability, MTI or LTI. Structural failure/damage, >1-day outage. On-site environmental discharge/release contained, minor remediation, short-term environmental harm. | **Moderate (2)** | **Low (2)** | **Medium (4)** | **High (6)** |
| **Low**  Level of harm | Incident that has the potential to cause persons to require first aid. Environmental discharge/release immediately contained, minor level clean-up with no short-term environmental harm. | **Minor (1)** | **Low (1)** | **Low (2)** | **Medium (3)** |
| **Level** | **Likelihood/Probability** | | | | |
| Almost Certain | Occurs frequently; >66% chance of occurring | | | | |
| Possible | Could happen occasionally; >33% but <66% chance of occurring | | | | |
| Unlikely | May occur only in exceptional circumstances; <33% chance of occurring | | | | |
| **Class/Ranking** | **Description/Requirements** | | | | |
| High 6, 9 | Stop immediately. Implement controls. Controls recorded on a SWMS. | | | | |
| Medium 3, 4 | Planned control. Controls recorded on a SWMS. | | | | |
| Low 1, 2 | Managed via routine procedure. | | | | |

**Under WHS Act s18, “reasonably practicable” requires consideration of likelihood of risk, degree of harm, what the person knows about the hazard, availability and suitability of controls, cost vs risk. If you cannot show how that decision was made, the action becomes harder to defend after an incident.**

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| **Relevant legislation:** | WHS Act 2011 (NSW), WHS Regulation 2017 (NSW), applicable NSW Codes of Practice, AS/NZS 2311 (Painting of Buildings), AS/NZS 1576 (Scaffolding), AS/NZS 1891 (Industrial Fall-Arrest Systems), AS 4361.2 (Guide to Lead Paint Management), AS 1940 (Storage and Handling of Flammable and Combustible Liquids), SafeWork NSW Construction Work Code of Practice, Managing the Risk of Falls at Workplaces Code of Practice, Managing Risks of Hazardous Chemicals in the Workplace Code of Practice. |
| **Frequency of review and site inspections:** | This SWMS will be reviewed: before work commences on each new site, when site conditions change materially, after any incident, near-miss, or hazard report, at minimum 12-monthly, when legislation or codes of practice change, when new work methods, products, or equipment are introduced. |

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| **PPE required:** | Steel capped footwear (AS/NZS 2210.3) • High-vis vest (AS/NZS 4602) or long sleeves • Eye protection (AS/NZS 1337.1) • P2respirator (AS/NZS 1716) **—** Mandatory for silica, spray painting, lead, and solvent-based products • Hearing protection (AS/NZS 1270) **—** Mandatory >85 dB • Chemical-resistant gloves (nitrile minimum) • Full-body harness (AS/NZS 1891.1) **—** For all work at height without guardrails • Sun protection **—** Long sleeves, sunscreen SPF 50+, UV safety glasses • Hard hat (AS/NZS 1801) worn during scaffold erection and dismantling. |
| **List the permits, certificates, SafeWork NSW Approvals, required to complete the work:** | Scaffold licence (basic or advanced as required). EWP licence (WP class). Working at Heights training (current within 2 years). Confined Space entry permit (if applicable). Hot Works permit (if applicable). |
| **List of the training required by workers to commence the work:** | Construction Industry Induction Card (White Card) and SWMS induction. Product-specific SDS briefing. Working at Heights (for any elevated work). EWP operation (for EWP use). Scaffold user awareness (for scaffold use). Lead-safe work practices AS 4361.2 (if lead paint present). Silica awareness training (if silica tasks). First aid (minimum 1 per site). |
| **List the qualifications of workers doing the work:** | Trade certificate or demonstrated competence in painting and surface preparation. Scaffolding licence (basic/advanced) for scaffold erection. EWP licence (WP class) for EWP operation. IRATA/ARAA certification for rope access (if applicable). |
| **List of plant and equipment that will be used on site:** | Scaffold (mobile and fixed). EWP **—** Boom lift, scissor lift. Pressure washer. Airless spray unit. Power tools **—** Angle grinder, rotary hammer, orbital sander, oscillating tool. Extension leads and portable RCDs. Ladders (A-frame, extension). Trolleys and material hoists. |
| **List maintenance checks for plant and equipment:** | All plant and equipment maintained per OEM’s schedule. Test-tag on all 240V tools and leads **—** 3-monthly per AS/NZS 3012. Scaffold inspection per AS/NZS 1576. EWP pre-start daily. Harness inspection 6-monthly. Fire extinguisher serviced 6-monthly. |
| **Hazardous substances:** | Chemical register maintained **—** All paints, primers, sealers, solvents, sealants, and chemical products listed with current SDS (within 5 years). SDS available on site always. Flammable liquids stored in compliant cabinet per AS 1940. |
| **Working at Heights Risk Assessment (if applicable)** | Fall prevention hierarchy applied: eliminate > isolate > minimise. Guardrails preferred. Fall restraint before fall arrest. Rescue plan documented for all harness work. Working at Heights licence/training verified before elevated work commences. |

| **WORKER INDUCTION SIGNOFF** | | | |
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