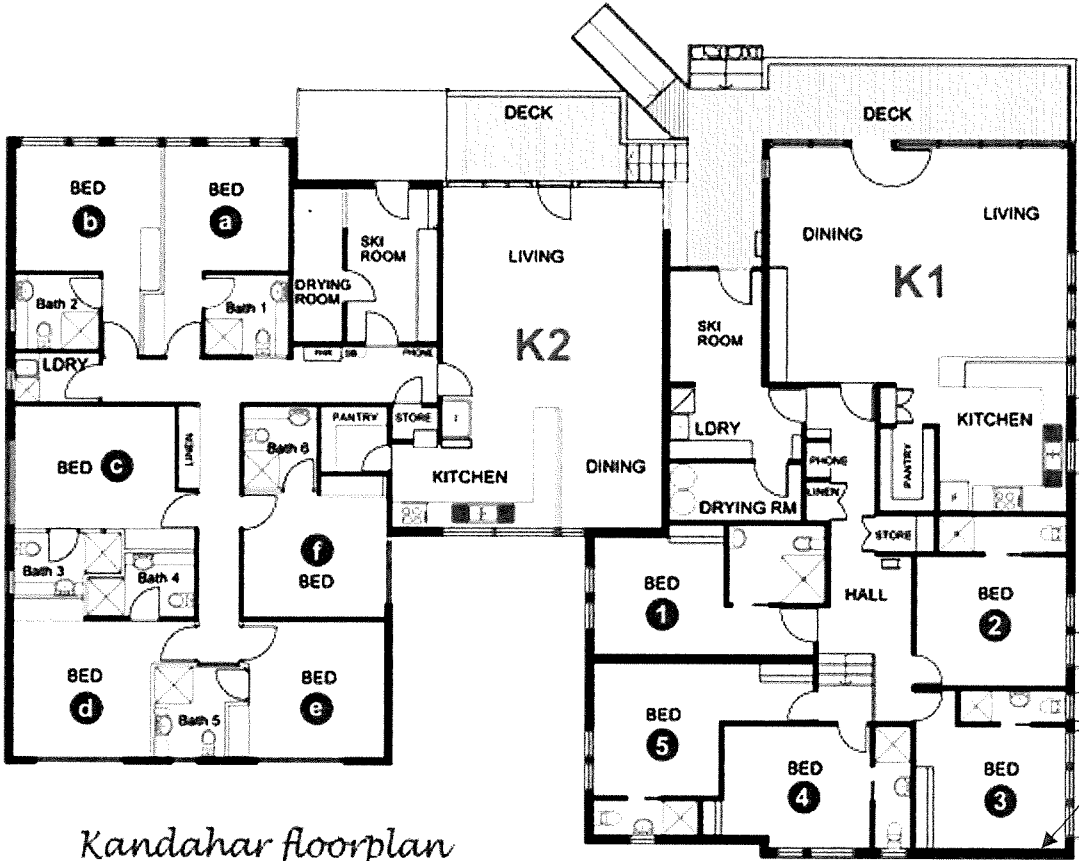
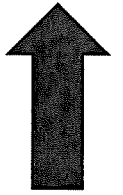



North




*Kandahar floorplan*

Internal wall to be repaired and improved to reduce condensation that occurs due to build up of snow behind the lodge. This is the only area that causes damp


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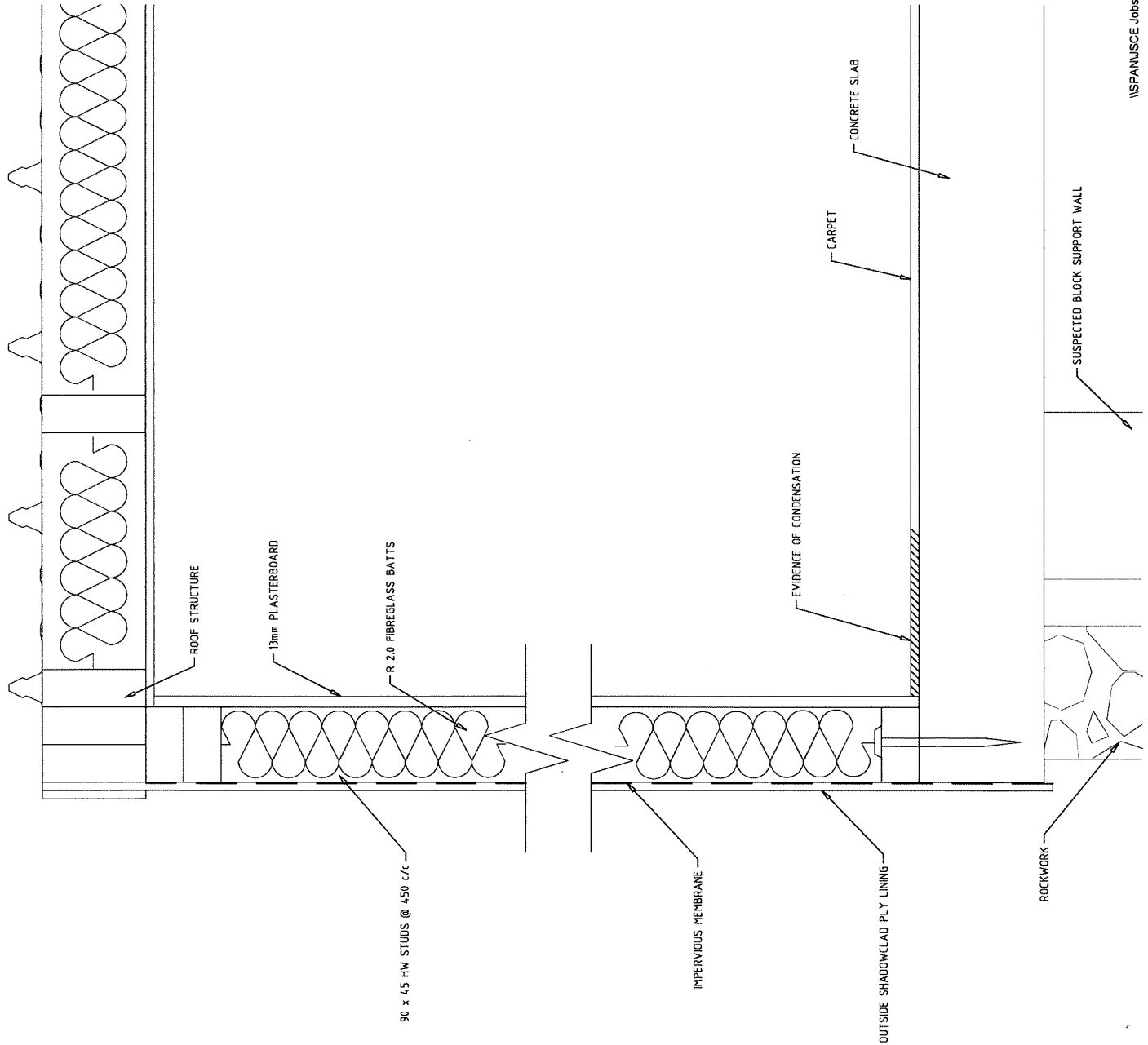
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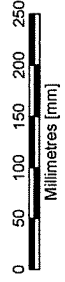
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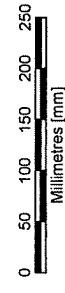


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CLIENT <b>KANDAHAR SKI CLUB</b> PERISHER VALLEY NSW 2624 CONTACT: PETER McDONALD peter.mcdonald.2@team.telstra.com	PROJECT <b>SOUTHERN WALL          CONDENSATION          RECTIFICATION</b> KANDAHAR LODGE NO. 75 LOT 84 DP 756697 BEING 2 RAVEN PLACE PERISHER VALLEY NSW 2624		
TITLE <b>EXISTING CONDITION          OF SOUTHERN WALL</b>			
DESIGN	DRAWN	DATE	DRG NO.
JS	ST	22/12/2019	<b>A01A</b>

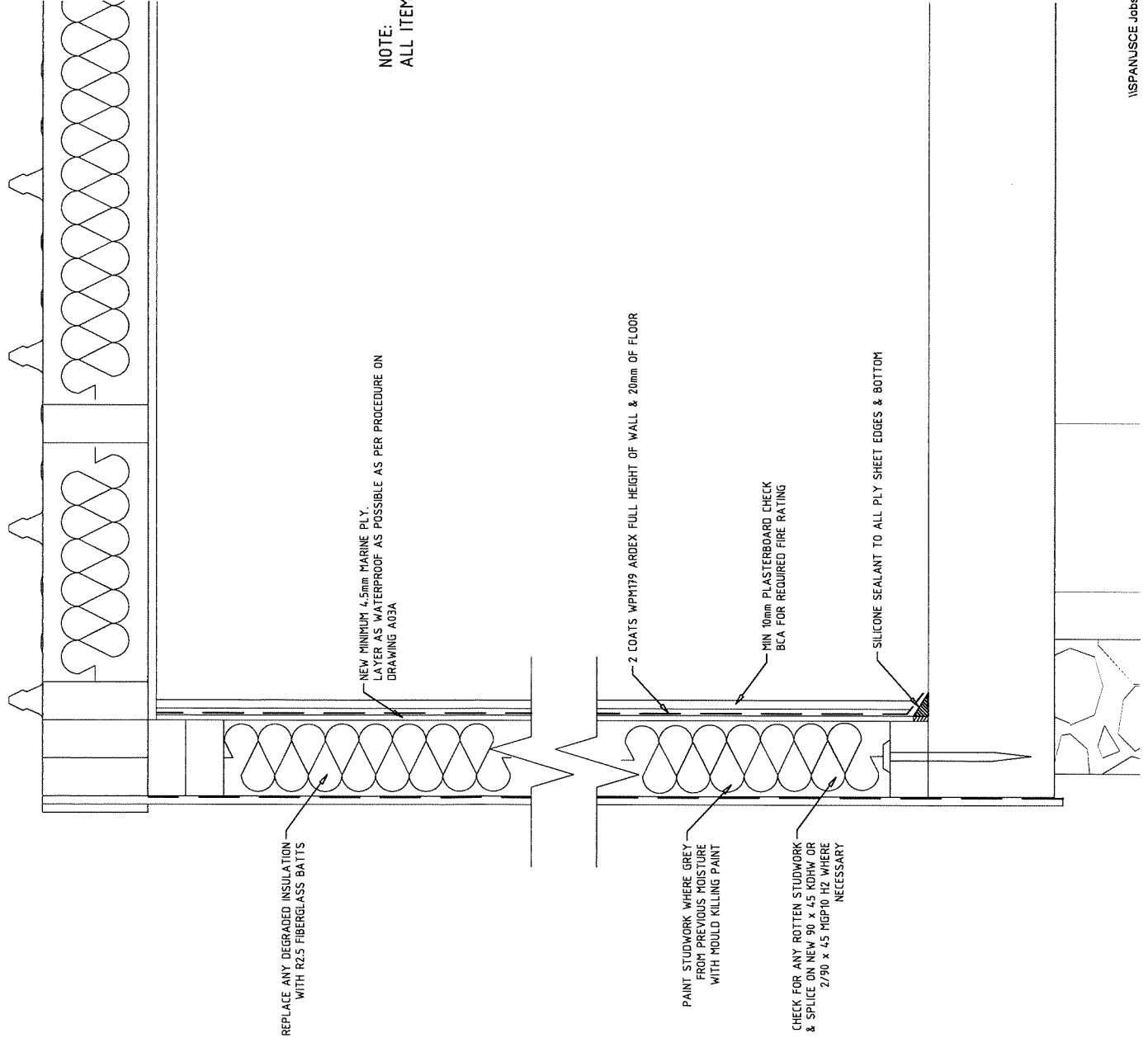
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**NOTE:**  
ALL ITEMS TO REMAIN AS IS EXCEPT WHERE NOTED



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# DETAILED RECTIFICATION PROCEDURE OF KANDAHAR LODGE SOUTHERN WALL TO REDUCE CONDENSATION

1. The full height of the southern wall requires a layer that is as waterproof as possible on the inside face of the studwork to reduce the water vapour in the room getting into the wall cavity. This vapour in the cavity is currently condensing and dripping to the floor. The method consists of a minimum 4.5mm thick ply layer sealed and waterproofed and the internal plasterboard installed over the top.
2. Leave the external wall cladding on.
3. Remove the internal 13mm plasterboard for the full height of the wall.
4. Remove the insulation on the bottom of the wall up to where the studs are no longer stained grey from moisture in the past.
5. Replace any significant rotten timber studwork or bottom plate with new KDHW size to match existing or MGP10 H2 of the same depth but double the width of the existing HW. No rot at all was found on inspection on Monday 2nd December 2019, so it is unlikely this step is to be required, but should be checked.
6. Paint the bottom plate and any grey stained studwork with mould killing paint.
7. Determine where the joins in the minimum 4.5mm marine ply sheet will be (see 9 & 12 below) and install 90 x 45 MGP10 H2 nogs where required.
8. Re-install the batts and replace any that are damaged or wet with new R2.5.
9. Cut the ply sheets to ensure all vertical ply joints are at the center of a stud and horizontal joints at the center of each nog.
10. Install a 5mm triangle of mould resistant silicone sealant at the bottom wall plate / flooring intersection and a continuous bead approx. 15mm down from the top of the bottom plate. Sellys 'Wet Area Silicon' or similar.
11. Install two continuous beads of silicone approx. 15mm in from each side of the studs and nogs.
12. Install the first marine ply sheet on the inside face of the studwork. Attach to studs and nogs with #6 (3.5mm dia) x 25mm countersunk screws at 100mm c/c.
13. Install 4mm triangle of silicone at sheet edges down onto stud or nog.
14. Install next marine ply sheet as per first pushing the sheet flush (or nearly flush) to the edge of the first sheet so that the silicone is pushed up.
15. Tool silicone flush. This will act as a bond breaker for the WPM 179 (see below) so that it can stretch over these ply joints if they move.
16. Use the same procedure to install the remaining marine ply sheets.
17. Install a 4mm triangle of silicone at the base of the wall between ply and flooring. Again, this acts as a bond breaker.
18. Waterproof the erected inside face of the wall full height plus 25mm onto the floor with two coats of a flexible sealant such as 'Ardex WPM179' or 'Duram Azcothane', both available from CE Industries ph 62806010. Allow to dry.
19. Install new plasterboard over the inside face using screws in pre-drilled holes filled with silicone. The thickness of the wall plasterboard only needs to be 10mm for structural reasons, however, the required thickness for fire rating needs to be checked by a Building Certifier or Architect to the NCC/BCA.



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PROJECT <b>SOUTHERN WALL          CONDENSATION          RECTIFICATION</b> KANDAHAR LODGE NO. 75 LOT 84 DP 756697 BEING 2 RAVEN PLACE PERISHER VALLEY NSW 2624	
TITLE <b>WALL UPGRADE          PROCEDURE</b>	
DESIGN DRAWN JS	DATE ST 22/12/2019 DRG NO. <b>A03A</b>