

CDM CONSIDERATIONS

0-9 = Low risk
10-14 = Moderate risk
15-25 = High risk

L= Likelihood
S= Severity
R= Risk (L*S)

| PART A | CONSTRUCTION | | | | PART B | MAINTENANCE | | | |
|--|---|---------------------|---|----------------------|---|---|---------------------|--|----------------------|
| | | INITIAL RISK RATING | | RESIDUAL RISK RATING | | | INITIAL RISK RATING | | RESIDUAL RISK RATING |
| SPECIFIC LOCATION/ ACTIVITY | POTENTIAL HAZRDS | L S R | ACTIONS TAKEN TO ELIMINATE/REDUCE RISK | L S R | SPECIFIC LOCATION/ ACTIVITY | POTENTIAL HAZRDS | L S R | ACTIONS TAKEN TO ELIMINATE/REDUCE RISK | L S R |
| Construction of wooden platforms and huts | Working at height for assembly; risk of falling. Getting injured when installing large bamboo posts. | 4 4 16 | Use scaffolding to reach higher levels. Wear protective gear like boots, hard hats, gloves and safety harness. To bring in large bamboo posts use a crane for transportation and during installation. | 2 5 10 | Main structural columns, maintaining the greenery | Climbing up high ladders to take care of the plants; risk of falling | 3 5 15 | Always have at least 2 people when doing this. Keep one hand on the ladder at all times. Make sure the ladder is stable before climbing. If the plants are too high up and out of reach, use scaffolding. | 2 4 8 |
| Construction of glass domes | Risk of glass breaking because of strong winds on balcony. Risk of getting injured with sharp glass edges. | 3 4 12 | Use protective equipment when handling large glass panels, surround the balcony with wooden boards to block out the wind when assembling glass panels together. | 2 3 6 | Lift connecting platforms to domes. | Lift to domes being stuck or broken causing people to be trapped. | 3 3 9 | Ensure lifts are checked and maintained regularly and in case of break down, notify everyone else | 2 2 4 |
| Building the custom modular furniture pieces | Furniture carved out of limestone can be heavy and cause injury when being moved around or lifted. | 5 2 10 | Ensure appropriate footwear is worn to prevent injury as well as protective gear. Individuals should not try and lift heavier weights than they physically can. Multiple people could aid for this process. | 4 1 4 | Glass domes on rooftop garden. | Changing glass panels of domes in case it breaks. During this process individuals could get injured | 3 3 9 | Use protective equipment when handling large glass panel. Block out the wind on the balcony using wooden boards. | 2 2 4 |

| PART C | USE | | | | PART D | DEMOLITION | | | |
|--|---|---------------------|--|----------------------|-----------------------------|--|---------------------|--|----------------------|
| | | INITIAL RISK RATING | | RESIDUAL RISK RATING | | | INITIAL RISK RATING | | RESIDUAL RISK RATING |
| SPECIFIC LOCATION/ ACTIVITY | POTENTIAL HAZRDS | L S R | ACTIONS TAKEN TO ELIMINATE/REDUCE RISK | L S R | SPECIFIC LOCATION/ ACTIVITY | POTENTIAL HAZRDS | L S R | ACTIONS TAKEN TO ELIMINATE/REDUCE RISK | L S R |
| Spiral staircases around huts | Tripping and falling over | 4 3 12 | Use bamboo posts for stability, and climb slowly. The stairs are large so climb one person at a time. | 3 2 6 | All areas of greenery | Risk of plants and trees falling (especially bamboo trees) and causing injuries. | 5 3 15 | When taking down large plants, ensure all individuals on site are kept at a safe distance and make sure no one is anywhere underneath either. Use cranes to take down larger bamboo posts and trees. | 4 2 8 |
| Bamboo ladders connecting platforms vertically | Falling off ladder when climbing | 5 3 15 | Have someone help you and support you while climbing Make sure to have a good grip and keep hands on ladder | 4 2 8 | Wooden huts and platforms | Destruction of surroundings caused by large bamboo posts or wooden parts. | 4 3 12 | Take out the huts/platforms at a lower level first and make your way up. Use crane for larger parts. | 3 3 9 |
| Picking herbs/vegetables on platforms | Users misusing the platforms for instance climbing on their friends' shoulders to reach higher. Users having vertigo or related issues health during the activity. | 4 3 12 | Make the regulations within the space clear from the start and warn users of the risks involved. Make users sign a waiver to ensure they are physically able to participate in the activity. | 3 2 6 | | | | | |
| Moving modular furniture | Although the furniture is on wheels, moving it around could be challenging because of limited spaces within the huts and cause injury. | 3 2 6 | If the furniture pieces are too heavy to push and move around, make sure 2 or more people are helping and do communicate effectively. Ask others around to move to avoid obstruction. Use the safety locking system on the castor wheels once the furniture is in place. | 2 2 4 | | | | | |