

Risk Assessment Report

Document Reference No.	SI-PJM-EHS-100-024-F-045	Risk Assessment Type	Metal Door Installation
Issue No.	01	Issue Date	10th March, 2020
Revision Date	23-Mar-2026	Revision Number	NA
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Status	Draft	Created By	Hebert Eaton
Created On	23-Mar-2026 02:28:50 PM	Modified On	23-Mar-2026 02:28:50 PM

Sections

Activity: Metal Door Installation

Risk Assessment No	NA
Location	NA
Date	NA

Risk rating matrix = Likelihood * Severity

Image

Sub-Activity: Mobilization of Manpower at Project

Hazards

Hazards	<ol style="list-style-type: none"> 1. Lack of awareness of about site safety rules. 2. Lack of awareness leading to injury. 3. Damage to property. 4. Damage to person. 5. unskilled labour. 6. Horse play while working on site.
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Likelihood	3
Severity	2
Risk = Likelihood x Severity	6
Risk Level	NA

Impact

Impact	Health Impact
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Control Measures

Control Measures	<ol style="list-style-type: none"> 1. All person should submit self-declaration form at entry gate and do entry in register. 2. Medical certificate is mandatory for everyone by MBBS doctor. 3. Induction training for new workers at site should be carried out. 4. Alcohol or drugs are strictly prohibited. 5. Smoking is not allowed at site. 6. TBT to be conducted before start the work. 7. Adequate supervision should be required during work. 8. Work area shall be inspected by concern supervisor. 9. Use of PPES's like safety helmet, goggle, reflective vest, hand gloves, safety shoes, & nose mask. 10. Mobile phone is strictly prohibited during the work, instruct to all workers in induction as well in toolbox.
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Likelihood	1
Severity	2
Residual Risk = Likelihood x Severity	2
Risk level	NA
Control measures implemented by	Padams

Sub-Activity: Human Behaviour activity

Hazard

Hazards	1. Overconfidence 2. Improper background 3. Family History 4. Mental Illness. 5. Aggressive 6. Accident 7. Worker dispute
Likelihood	3
Severity	3
Risk = Likelihood x Severity	9
Risk Level	NA

Impact

Impact	Health Impact
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Control Measures

Control Measures	1. Take care of each other will develop 2. Medical fitness certificate 3. Awareness and response 4. Proper supervision will be ensured at site. 5. Use of appropriate PPE's like (Rubber hand gloves, safety shoes, reflective jacket. Safety helmet.
Likelihood	1
Severity	2
Residual Risk = Likelihood x Severity	2
Risk Level	NA
Control measures implemented by	Padams

Sub-Activity: Loading and Un loading of Materials by Mechanical Equipment etc.

Hazards

Hazards	1. Ergonomics. 2. Fall of Person. 3. Fall of Materials. 4. Slippery & uneven access. 5. Lifting excessive Weight. 6. Deployment of Untrained Person. 7. Obstructions in the passages. 8. Sharp edges. 9. Poor Illumination. 10. Trip Hazard. 11. Area Constraint. 12. Overhead Services. 13. Defective PPEs. 14. Lack of ventilation. 15. Stacking height.
Likelihood	3
Severity	2
Risk = Likelihood x Severity	6
Risk Level	NA

Impact

Impact	Health Impact
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Control Measures

Control Measures	<ol style="list-style-type: none"> 1. Trained & experienced workforce to be deployed. 2. Training on the hazards and control measures related to equipment's & related works to be conducted by the vendor (weekly, fortnightly, monthly). 3. All Material to be stacked not more than 1.5m in a designated area and same to be barricaded. 4. Access to be free from obstructions, slippery surfaces and any kind of unwanted materials. 5. Illumination and ventilation to be provided, Emergency lighting to be provided with battery backup. 6. Secondary contaminant tray to avoid chemical spillage on ground to be provided. Bund around the chemical storage area. 7. Fire extinguishers to be placed and easily accessible / approachable. 8. Vehicle and pedestrian movements to be separated where possible, minimize reversing operations. 9. Toolbox talks to be given by the vendor to the work force daily for the precautions to be taken in the activity. 10. Deploy competent supervisor while shifting materials through lift. 11. Wheel chock shall be provided for the ideal parked vehicle. 12. Work permit shall be obtained. 13. Safety shoes, Helmet, Jacket, Shoulder pads, Hand gloves and Nose mask while handling the material manually.
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Likelihood	1
Severity	2
Residual Risk = Likelihood x Severity	2
Risk Level	NA
Control measures implemented by	Padams

Sub-Activity: Material stacking on the work area

Hazards

Hazards	<ol style="list-style-type: none"> 1. Improper stacking of materials fall of materials 2. Sharp edge.
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Likelihood	3
Severity	3
Risk = Likelihood x Severity	9
Risk Level	NA

Impact

Impact	Health Impact
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Control Measures

Control Measures	<ol style="list-style-type: none"> 1. Material should not be stacked over 1.5-meter height from the ground. 2. material should be stacked / stored at designated location. 3. Area should be barricaded. 4. Only trained and competent person should be assigned for the task. 5. PPE's - Cut resistance hand gloves, safety helmet, safety shoes, etc. should be provided.
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Likelihood	2
Severity	1
Residual Risk = Likelihood x Severity	2
Risk level	NA
Control measures implemented by	Padams

Sub-Activity: Aluminium mobile Scaffold Erection & Dismantling

Hazards

Hazards	<ol style="list-style-type: none"> 1. Collapse of scaffold. 2. Fall of materials, hand tools. 3. Fall of Person due to slip, trip, obstruction in access, openings, failure to anchor safety harness. 4. Usage of defective / damaged materials. 5. Uneven ground surface. 6. Deployment of untrained & unfit workforce. 7. Overloading / lack of supports / fixing of bracings, ties, counter pins, jointers, etc. 8. Awkward posture. 9. Unsecured platform, walkways, MS perforated working platform, etc. 10. Poor visibility
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Likelihood	3
Severity	3
Risk = Likelihood x Severity	9
Risk Level	NA

Impact

Impact	Health Impact
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Control Measures

Control Measures	<ol style="list-style-type: none"> 1. Scaffold to be erected on levelled and firm ground with base plates. 2. Screening of workers to be done. 3. Trained & experienced workers to be engaged for erection and dismantling of scaffold. 4. Qualified and experienced scaffold inspector to be deployed, Scaffold tag to be signed by scaffold inspector along with scaffold identification register. 5. Contractor must submit the load bearing capacity certificate of the scaffold. 6. Scaffold methodology & mock up to be approved by design consultant. 7. Access to be provided for reaching the work location. 8. Working Platform to be fully boarded & secured, mid rails, handrails and toe board to be provided. 9. Double lanyard full body harness with shock absorber / retractable personnel fall arrest system, rope grab fall arrestor to be used by the workers doing the scaffolding. 10. Loose material not to be kept on top of scaffold and not to be overloaded. 11. Hand tools, materials to be secured so that it will not fall even if mishandled. 12. Safety Helmet, Shoes, Hand gloves to be used. 13. While erection and dismantling, safety watcher need to be deployed and barricading the area to be done and display of signage to be done as per the activity. 14. If the scaffold material is shifted with mechanical equipment, relevant precautions of Loading and Unloading of Materials by Mechanical Equipment to be reviewed. 15. Electrical cables not to be routed / anchored through the scaffolds towers / frames. 16. While doing the erection near to live lines / transformers electrical isolation to be ensured prior to start the work. Ensure LOTO procedure. 17. Lighting to be provided for clear visibility. 18. Training on emergency rescue to be conducted for the workers engaged in the activity.
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Likelihood	1
Severity	2
Residual Risk = Likelihood x Severity	2
Risk Level	NA
Control measures implemented by	Padams

Sub-Activity: Shifting of Metal door manually to the work location

Hazards

Hazards	<ol style="list-style-type: none"> 1. Cut injury. 2. Hitting someone while shifting the material. 3. Hit foreign object. 4. Slipping/tripping.
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Likelihood	3
Severity	3
Risk = Likelihood x Severity	9
Risk Level	NA

Impact

Impact	Health Impact
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Control Measures

Control Measures	<ol style="list-style-type: none"> 1. Instruct workers not to panic. 2. Call emergency numbers displayed in the service lift. 3. Do not load more than 1.5 tons. 4. Follow the instructions given by the lift operator. 5. Instruct them to communicate through the telephone inside. <p>Access will be cleaned while shifting.</p> <ol style="list-style-type: none"> 6. Provide PPE's (safety helmet, safety shoes, cut resistant hand gloves,). 7. Deploy sufficient manpower for work. 8. Use of hydraulic trolleys. 9. Proper supervision to be done.
Likelihood	2
Severity	2
Residual Risk = Likelihood x Severity	4
Risk Level	NA
Control measures implemented by	Padams

Sub-Activity: Installation of Metal door

Hazards

Hazards	<ol style="list-style-type: none"> 1. Cut injury. 2. Fall of door. 3. Slip & trip. 4. Topple. 5. Fall of person. 6. Over-reaching. 7. Falling object.
Likelihood	4
Severity	3
Risk = Likelihood x Severity	12
Risk Level	NA

Impact

Impact	Health Impact
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Control Measures

Control Measures	<ol style="list-style-type: none"> 1. Deploy sufficient manpower for shifting and installation. 2. No other work carried out near the working area. 3. Adequate PPE's to be worn by the workmen. 4. Good communication to be provided. 5. Proper supervision to be provided. 6. Barricade to be provided at working location to identify the work. 7. Signages to be provided. 8. Ensure that Drilling Machine shall be operated by some experienced persons. 9. Proper posture shall be maintained. 10. Ensure that all workers who have to perform their job at heights must be trained for Work at Heights and all workers will display cards. 11. Work should be carried out under supervision. 12. Scaffold should be inspected and tagged.
Likelihood	2
Severity	2
Residual Risk = Likelihood x Severity	4
Risk level	NA
Control measures implemented by	Padams

Sub-Activity: Night Work

Hazards

Hazards	All The above OHSE hazards remains same for the above activities while working at night shift, apart from the above control measures, the additional control measures to be ensured while working in night shifts
Likelihood	3

Severity	3
Risk = Likelihood x Severity	9
Risk Level	NA

Impact

Impact	NA
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Control Measures

Control Measures	<ol style="list-style-type: none"> 1. Training on the hazards and control measures related to equipment's & related works to be conducted by the vendor (weekly, fortnightly, monthly). 2. Toolbox talks to be given by the vendor to the work force daily for the precautions to be taken in the activity. 3. No work to be carried out other than permitted (described in work permit). 4. Respective vendor safety & site supervisor to be available during the night work and the continuous supervision to be in place. 5. First Aider to be available, Emergency Vehicle must be in place or hospital ambulance tie up to be in place. 6. Lighting to be provided for clear visibility, Emergency lights to be available at the staircases and lift lobbies. 7. Sleeping in the work premises must be avoided, and such workmen must not be allowed to work at night. 8. Frisking at the gate entrance and at work premises need to be done. 9. Breathe analyser test to examine alcoholic / non-alcoholic condition of the driver, operator & workforce. 10. Night works to be as per the location sunset and sunrise timings, (preferably from 18:00HRS to 6:00AM).
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Likelihood	1
Severity	2
Residual Risk = Likelihood x Severity	2
Risk Level	NA
Control measures implemented by	Padams

Sub-Activity: Housekeeping

Hazards

Hazards	<ol style="list-style-type: none"> 1. Insect bite. 2. Unhygienic conditions at site. 3. Sharpe edges Wastages Materials.
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Likelihood	3
Severity	2
Risk = Likelihood x Severity	6
Risk Level	NA

Impact

Impact	NA
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Control Measures

Control Measure	<ol style="list-style-type: none"> 1. Waste disposal facility to be provided. 2. All the sharp edge shall be protected. 3. Area defines for material stacking. 4. Vaccume cleaner and other standard cleaning materials shall be used at site. 5. MSDS shall be shared with working team member. 6. PPEs shall be provided i.e. Hand gloves, Nose mask etc.
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Likelihood	1
Severity	2
Residual Risk = Likelihood x Severity	2
Risk Level	NA
Control measures implemented by	Padams

Signatures

Prepared By	Reviewed By	Approved By
NA	NA	

History

Created On	Created By	Comment	Attachments
23-Mar-2026 02:28:50 PM	Hebert Eaton	A new record was created: Site Name set to 'ANSR Mizuho' Hira Type set to 'Metal Door Installation' Hira Status set to 'Draft'	