Organisation Banner

OQSHA
QUALITY & SAFETY

Risk Assessment Report

Title		**Document Reference No.**	SI-PJM-EHS-100-024-F-045
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Risk Assessment Type	Gypsum Flase Ceilling	**Status**	Submitted
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Effective Date	NA	**Next Revision Date**	NA
Created By	Hebert Eaton	**Created On**	23-Mar-2026 02:25:01 PM
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Sections

Activity: Gypsum Flase Ceilling

Risk Assessment No	NA
Location	NA
Date	NA

Risk rating matrix = Likelihood * Severity

Image

Sub-Activity: Mobilization of Manpower at Project

Hazards

Hazards	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.

Likelihood	3
Severity	2
Risk = Likelihood x Severity	**6**
Risk Level	NA

Impact

Impact	Health Impact

Control Measures

Control Measures	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.

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

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

Control Measures

Control Measures	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. PPEs: Safety shoes, Helmet, Jacket, Shoulder pads, Hand gloves and Nose mask while handling the material manually.

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	1. Improper stacking of materials fall of materials 2. Sharp edge.

Likelihood	3
Severity	3
Risk = Likelihood x Severity	**9**
Risk Level	NA

Impact

Impact	Health Impact

Control Measures

Control Measures	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. PPEs: Cut resistance hand gloves, safety helmet, safety shoes, etc. should be provided.

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	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

Likelihood	3
Severity	3
Risk = Likelihood x Severity	**9**
Risk Level	NA

Control Measures

Control Measures	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.

Likelihood	1
Severity	2
Residual Risk = Likelihood x Severity	**2**
Risk Level	NA
Control measures implemented by	Padams

Sub-Activity: Measurement & marking by using blue powder & line dory

Hazards

Hazards	1. Exposure to Chemical Dust. 2. Sharp edge Line Dori & Tape. 3. Dust. 4. Insufficient Lighting. 5. Poor access. 6. Absorption to skin. 7. Irritation skin & lungs. 8. Eye Injury. 9. Tripping hazards. 10. Ergonomic Hazards. 11. Fall from height. 12. Fall of material. 13. Toppling of scaffolding. 14. Overreaching from the scaffolding. 15. Scaffolding breakdown.

Likelihood	3
Severity	2

Risk = Likelihood x Severity	**6**
Risk Level	NA

Impact

Impact	Health Impact

Control Measures

Control Measures	1. Make ensure that workmen must be avoided from chemical exposure if it is not possible the adequate PPE's to be worn by the workmen like safety helmet, safety shoes, reflective jacket, Nose mask and hand gloves which is approved by the (C&W HSSE HEAD). 2. Workmen must be wearing the hand gloves while using the sharp edges gadgets to avoid any cut injuries. 3. Workmen must wear the nose mask to avoid any dust. Adequate lighting is to be provided to avoid any strain on the eyes. 4. Before marking no materials to be kept while marking to avoid any tilt line. 5. Workmen must be worn the job specific PPE's and full sleeves shirts to avoid any skin absorption & irritation to the lungs. 6. Safety Goggles to be worn any chemical foreign particles to avoid. 7. Safety signages and barrication cones and signages to be provided any tripping hazards. 8. Workmen must be given rest and body need to be stretched in frequent times to avoid ergonomic and back pain hazards. 9. Scaffolding must be checked and properly signed with guard rails to avoid the fall of person from height. 10. Toe boards are to be provided to avoid falling materials from the floor. 11. Proper training must be given to the workmen to access the scaffolding properly. 12. No Scaffolding to be pushed when worker is standing on the scaffolding. 13. Workmen must aware that no overreaching to done to avoid fall from height. 14. Scaffolding must be checked, and components must be certified with the valid date test certificates. 15. Avoid lone workers to work alone only buddy system team need to perform the work at work location to avoid any kind of emergency. 16. No marking to be done on PT line if any marking or screwing is coming immediately need to be informed to the C&W for rectification. 17. MSDS Assessment to be made prior to use the Colour Chemical powder. 18. All wastes such as used thread, chemical powder mix and its disposals to be segregated into hazardous waste area. 19. Night work permit need to be taken before starting the work. Training should be provided to all workers for night work activities. 20. A competent person must always be there when working.

Likelihood	2
Severity	1
Residual Risk = Likelihood x Severity	**2**
Risk Level	NA
Control measures implemented by	Padams

Sub-Activity: Cutting of GI channel by using cutting Hand tools

Hazards

Hazards	1. Sharp edges channel Frames. 2. Poor illumination. 3. No experience. 4. Improper Access. 5. Electric cable laying on floor/access. 6. Inappropriate PPE's. 7. Use of defective tools. 8. Electrocution

Likelihood	3
Severity	3
Risk = Likelihood x Severity	**9**
Risk Level	NA

Impact

Impact	Health Impact

Control Measures

Control Measures	1. Cut resistant hand gloves to be worn before performing any sharp edges work. 2. Adequate illumination should be provided during night work. i.e. 200 lux. 3. A person needs to be experienced while working to avoid any cut injury. 4. Proper housekeeping needs to be done to avoid any obstruction access need to be cleared. 5. All cables need to be hanged above 7 feet with the help of S-hook to avoid any slip trip fall. 6. All basic safety PPE's need to be inspected and as per the ISI standard mark PPE need to be worn by the workmen. 7. Provided job specific PPE for GI channel cutting activity. 8. Power tools need to be inspected by an authorized electrician and EHS officer and inspection stickers need to be pasted on the machine. 9. Cables need to be inspected before installation no cut or joints to available. 10. Conduct Toolbox Talk before start of work. 11. A proper supervisor to be available to monitor the activity.

Likelihood	2
Severity	2
Residual Risk = Likelihood x Severity	**4**
Risk level	NA
Control measures implemented by	Padams

Sub-Activity: Fixing of anchor fast-nut on ceiling and GI Channels hanging

Hazards

Hazards	1. Electrocution. 2. Puncture of PT marking while drilling. 3. Dust inhalation. 4. Hitting of sharp edges. 5. Fall hazard. 6. Falling thread rods and fast nut while working on scaffolding Cut and pinch by sharp edges.

Likelihood	3
Severity	2
Risk = Likelihood x Severity	**6**
Risk Level	NA

Impact

Impact	Health Impact

Control Measures

Control Measures	1. Trained and experienced person need to screw the supports in the present of supervision. 2. Machines need to be checked and authorized power tools need to check. 3. Adequate PPEs to be worn by the workers. 4. Providing cut resistance hand gloves. 5. Trained and experienced workers to be deployed for activity. Good communication needs to be done. 6. Materials to be secured properly to avoid any material fall Proper platform and toe boards to be fixed to avoid any fall of materials. 7. Supervision needs to be provided. 8. Barrication need to be provided for work area to avoid trip hazard. 9. Awareness signages need to be provided.

Likelihood	2
Severity	1
Residual Risk = Likelihood x Severity	**2**
Risk level	NA
Control measures implemented by	Padams

Sub-Activity: GI Channel framing

Hazards

Hazards	1. Hitting of sharp edges. 2. Fall of materials. 3. Fall of person. 4. Fall of channels. 5. Fall of equipment

Likelihood	3
Severity	2
Risk = Likelihood x Severity	**6**
Risk Level	NA

Impact

Impact	Health Impact

Control Measures

Control Measures	1. Channel need to be hold by the one helpers for angel fixing with Gi channels from ceiling. 2. Channels need to fit properly on framing. 3. Trained and experienced people need to be deployed for safety and quality of the works. 4. Materials and equipment need to be secured properly. 5. Proper platform and toes boards to be fixed to avoid any fall of materials. 6. Workmen must be using proper scaffolding with adequate standards of scaffolding to be used at site. 7. Proper and sufficient lighting to be provided during night shift. 8. Supervision needs to be provided. 9. Barrication need to be provided. 10. Provided cut resistance gloves. 11. Awareness signages need to be provided. 12. Provided box for screws and supporters and fasteners to avoid falling materials.

Likelihood	2
Severity	1
Residual Risk = Likelihood x Severity	**2**
Risk level	NA
Control measures implemented by	Padams

Sub-Activity: Gypsum board fixing to channel frame

Hazards

Hazards	1. Property damage. 2. Fall of material. 3. Fall from height. 4. Loose boards. 5. Fatigue. 6. Defective power tool. 7. Pinch point. 8. Finger Punctured. 9. Lone worker

Likelihood	3
Severity	3
Risk = Likelihood x Severity	**9**
Risk Level	NA

Impact

Impact	Health Impact

Control Measures

Control Measures	1. Materials need to be secured and lifting need to be done with required manpower to avoid any damages. 2. Good communication to be done among the workers to avoid property damages. 3. Barricades need to be done to avoid any person to come contact with falling objects. 4. Person must be trained for the performing activity. 5. Before working at height workmen should be fit for work. 6. Workmen must trained and experienced while performing the work at height activity. 7. Workmen must have the proper platform for working on the mobile scaffolding. 8. Scaffolding guard rails must be available. 9. Materials to be stacked below 1.5m. 10. Unwanted materials to be removed, packed and disposed of by approved vendor. 11. Training on MSDS to be conducted for the people involved in the activity. 12. Fresh air be provided by artificially. 13. Overreaching to be avoided. 14. Before reaching up to the scaffolding, Scaffolding must have the green tag and authorized person sign. 15. Trained and experienced person need to screw the gypsum board to avoid the loose screwing of the gypsum board. 16. Close monitoring needs to be done by the supervisor and quality engineer for to avoid any loose boards installation. 17. Workmen need frequent breaks and body stretching to avoid fatigue. 18. Power tools need to be inspected by authorized electrician and safety officer. 19. Power tools inspection health tag to be provided. 20. Person must be experienced in using power tools. Good teamwork and communication need to be done to avoid pinch point. 21. No lone working to be permitted always buddy system work need to be performed to tackle the work and in emergency condition. 22. Equipment Entry procedure should be followed as per PMC Use machine only. 23. Safety Instruction should be given during Induction training. 24. In case of defective machines should be removed from the site. 25. No worker shall be allowed to carry loads more than 25 kg. 26. As possible as use mechanical equipment to carry the load. 27. TBT shall be given by supervisor/engineer before start of activity. 28. Monitor activity under close supervision. 29. The area shall be made free of obstructions.

Likelihood	2
Severity	1
Residual Risk = Likelihood x Severity	**2**
Risk level	NA
Control measures implemented by	Padams

Sub-Activity: Gypsum Board joint filling

Hazards

Hazards	1. Sharp edge tools. 2. Fatigue. 3. Lone working. 4. Chemical Hazards. 5. Skin Irritation. 6. Splashes into eyes.

Likelihood	2
Severity	3
Risk = Likelihood x Severity	**6**
Risk Level	NA

Impact

Impact	Health Impact

Control Measures

Control Measures	1. Hand gloves to be worn by the workmen for sharp edge tools. 2. Workmen need frequent break and stretching. 3. Set up and use a buddy system to share work watch out for each other. 4. MSDS training to be given to the worker before starting of the activity. 5. Worker must wear the adequate PPE's like safety shoes, safety helmet, reflective jacket, Nose mask, Hand gloves and safety goggles. 6. TBT shall be given by supervisor/engineer before start of activity. 7. Monitor activity under close supervision. 8. The area shall be made free of obstructions.

Likelihood	1
Severity	2
Residual Risk = Likelihood x Severity	**2**
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

Control Measures

Control Measures	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). 11. After days' work completion contractor's representative to confirm in writing that all the workers and site staff have left the site.

Likelihood	2
Severity	1
Residual Risk = Likelihood x Severity	**2**
Risk Level	NA
Control measures implemented by	Padams

Sub-Activity: Housekeeping

Hazards

Hazards	1. Insect bite. 2. Unhygienic conditions at site. 3. Sharpe edges Wastages Materials.

Likelihood	3
Severity	2
Risk = Likelihood x Severity	**6**
Risk Level	NA

Impact

Impact	NA

Control Measures

Control Measure	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.

Likelihood	1
Severity	2
Residual Risk = Likelihood x Severity	**2**
Risk Level	NA
Control measures implemented by	Padams

History

Created On	Created By	Comment	Attachments
23-Mar-2026 02:25:02 PM	Hebert Eaton	A new record was created: Site Name set to 'Bothell East' Hira Type set to 'Gypsum Flase Ceilling' Hira Status set to 'Submitted'	