



MAGNUM CONSTRUCTION SERVICES INC.

EMERGENCY ACTION PLAN (EAP) & EVACUATION MAPS

Document Code: MCS-QHSE-13 | **Revision:** 1.0 | **Effective Date:** October 31 2025

1. PURPOSE

To establish site-specific procedures for protecting all Magnum Construction Services Inc. employees, subcontractors, visitors, and the public in the event of fire, medical emergency, chemical release, structural failure, natural disaster, or security threat. This plan satisfies **OSHA 29 CFR 1926.35** (Emergency Action Plans), **NFPA 101 Life Safety Code**, and the Magnum **Corporate Emergency Response & Crisis Management Plan (MCS-QHSE-11)**.

2. SCOPE

Applies to every Magnum project, office, yard, or facility.
Each active site shall maintain a **posted, site-specific EAP** and **evacuation map** showing primary/secondary routes, muster points, emergency equipment, and contacts.

3. REFERENCES

- OSHA 1926.35 – Employee Emergency Action Plans
 - NFPA 10, 70, 72 – Fire Protection Standards
 - ISO 45001 § 8.2 – Emergency Preparedness & Response
 - Magnum Emergency Response & Crisis Management Plan (MCS-QHSE-11)
 - Magnum Field Safety Program (MCS-QHSE-02)
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4. OBJECTIVES

- Provide clear instructions for rapid evacuation and emergency response.
- Assign and train key personnel with defined emergency roles.
- Ensure accessibility of emergency communication and medical resources.
- Maintain up-to-date evacuation maps and contact information at all times.

5. EMERGENCY ROLES & RESPONSIBILITIES

Role	Responsibilities
Project Manager	Maintains master site EAP; ensures drills and updates each quarter.
Site Superintendent	Leads on-site emergency operations until first responders arrive.
Safety Officer / Competent Person	Coordinates evacuation, verifies accountability, and conducts post-event reports.
Foremen / Crew Leads	Direct crew evacuation, perform roll-call, and communicate with Safety Officer.
Designated First Aiders / Fire Wardens	Provide immediate aid, operate extinguishers, assist mobility-limited personnel.
All Employees / Subcontractors	Know routes, muster points, and procedures; report hazards immediately.

6. ALARM & COMMUNICATION SYSTEMS

- **Alarm Activation:** Verbal call-out + air horn + radio alert + site PA (if available).
- **Notification Chain:**
 - 1 Discoverer → Foreman
 - 2 Foreman → Superintendent → Safety Officer
 - 3 Safety Officer → Project Manager → Corporate EHS Director



- **External Contacts:**

- 911 / Local EMS / Fire Dept / Police
- Nearest Hospital (name, address, route map posted)
- Utility Companies (electric, gas, water)
- Magnum EHS Hotline (XXX-XXX-XXXX)

7. EVACUATION PROCEDURES

7.1 General Steps

1. Stop work immediately.
2. Shut down powered equipment if safe.
3. Evacuate via primary route to designated muster point.
4. If blocked, use secondary route identified on map.
5. Supervisors perform roll-call and report to Safety Officer.
6. Remain at muster point until official “All Clear.”

7.2 Special Considerations

- **Cranes / Aerial Work:** Lower loads safely before evacuating.
- **Confined Space:** Attendant initiates rescue protocol (MCS-PTW-02).
- **Chemical Spill:** Evacuate cross-wind/upwind; isolate 100 ft radius minimum.
- **Fire:** If trained, use extinguisher (PASS – Pull, Aim, Squeeze, Sweep).

8. MUSTER POINTS

- Designated **Primary Muster Point (A)** – Main Gate / Site Trailer Area.
- **Secondary Muster Point (B)** – North Parking Lot / Laydown Yard.
- For multi-building sites: each structure will have its own posted evacuation diagram with color-coded routes and legend.

9. MEDICAL & FIRST-AID RESPONSE

- At least **one CPR/First Aid–certified** person per crew.
- First-Aid Kits, AEDs, and Stretchers available in trailer and vehicles.
- All injuries, regardless of severity, reported within 1 hour to Safety Officer.
- Emergency transport log maintained for audit and workers’ comp.

10. SITE EVACUATION MAP REQUIREMENTS

Each site must display an **Evacuation Map** meeting the following criteria:

- Scaled layout showing structures, access roads, and exits.
 - Marked **primary/secondary routes** with directional arrows.
 - Labeled **muster points, first-aid stations, fire extinguishers, and spill kits**.
 - **“You Are Here”** indicator for each posted map.
 - Compass orientation and date of last update.
 - Printed on durable 11×17 laminated stock in blue-gray Magnum branding.
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11. DRILLS & TRAINING

Drill Type	Frequency	Participants	Verification
Evacuation Drill	Quarterly	All Personnel	Attendance Sheet & EHS Report
Fire Drill	Semi-Annual	ERT & Fire Wardens	Drill Evaluation Form
Severe Weather / Hurricane	Annual (Pre-Season)	Site Team	Scenario Simulation
Chemical Spill Response	Annual	Affected Crews	After-Action Report

All drills are logged in the **Emergency Drill Register (MCS-QHSE-13A)** and kept for five (5) years.

12. RECORDKEEPING

- Maintain current EAP and maps in the **Project Safety Binder** and **digital EHS portal**.
- Archive superseded plans for five years per Records Management Policy (MCS-ADM-04).
- Audit readiness confirmed monthly by the Site Safety Officer.

13. PERFORMANCE METRICS

- Drill Completion Rate $\geq 95\%$.
 - Personnel Accountability Time ≤ 5 min per evacuation.
 - 100 % EAP posting compliance.
 - Zero unreported emergencies.
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14. REVIEW AND REVISION

Reviewed annually or after any emergency event or significant site layout change.
All revisions approved by Corporate EHS Director and Executive Leadership.

15. APPROVAL SIGNATURES

Approved By	Title	Signature	Date
Michael Gaya	Executive Director / CEO	_____	_____
Anthony Magadino	President / Managing Partner	_____	_____
Corporate EHS Director		_____	_____
