

Sustainable Construction Safety and Health (SCSH) Rating System Version 1.0

*Building Towards Sustainable Construction Worker
Safety and Health*

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Sustainable Construction Safety and Health (SCSH) Rating System

OVERVIEW

The Sustainable Construction Safety and Health (SCSH) rating system consists of safety and health elements to be implemented by owners, designers, constructors, and subcontractors to sustain worker safety and health from project-to-project. The rating system provides an opportunity to rate projects based on the importance given to safety and health and the degree of implementation of those safety and health elements. This rating system is aimed at certifying all project types.

The SCSH rating system is organized into 13 major safety and health categories. Each category contains sustainable safety and health elements, which carry credits based on their effectiveness in preventing construction worker injuries/illnesses. There are a total of 50 elements. The credits for all of the elements add up to a total of 100 credits. In order to receive a rating (1 star), a project must fulfill all of the 25 required elements to some degree, which adds up to 54.5 credits. A project that incorporates more elements would receive more credits, and a higher rating (2, 3, 4, or 5 stars). The premise of the rating system is that a higher number of total credits received by a project would indicate a lower potential for incidents that lead to construction worker injuries, illnesses, and fatalities.

Each element description consists of three sections: Purpose, Requirements, and Submittals. The intent of the element is described briefly under the Purpose section. The Requirements section provides information on the necessary activities to be fulfilled as part of achieving the element. The Submittal section lists the documentation required to receive the credit. The calculation tables that are part of each element are simple and self explanatory.

LIABILITY STATEMENT

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Sustainable Construction Safety and Health (SCSH) Rating System

Elements and Credits

(R = Required, E = Elective)

Project Team Selection		6.6 Possible Credits	
R	Element 1.1	Constructor Selection	2.3
R	Element 1.2	Subcontractor Selection	2.3
E	Element 1.3	Designer Selection	2.0
Safety and Health in Contracts		5.5 Possible Credits	
R	Element 2.1	Safety and Health Requirements in Contracts	2.2
E	Element 2.2	Safety and Health Hazard Identification in Drawings	1.6
E	Element 2.3	Specification of Less Hazardous Materials	1.7
Safety and Health Professionals		8.1 Possible Credits	
R	Element 3.1	Competent Personnel for All High Hazard Tasks	2.4
E	Element 3.2	Owner Safety Representative	1.8
E	Element 3.3	Constructor Safety Representative	2.0
E	Element 3.4	Subcontractor Safety Representative	1.9
Safety and Health Commitment		4.3 Possible Credits	
R	Element 4.1	Management Commitment to Safety and Health	2.3
R	Element 4.2	Owner/Representative Commitment to Safety and Health	2.0
Safety and Health Planning		27.8 Possible Credits	
R	Element 5.1	Safety and Health during Conceptual Planning Phase	2.3
R	Element 5.2	Constructability Review	2.3
R	Element 5.3	Designing for Worker Safety and Health	2.2
R	Element 5.4	Life Cycle Safety Design Review	2.0
R	Element 5.5	Safety Checklist for Designers	2.1
R	Element 5.6	Constructor Site Specific Safety Plan	2.0
R	Element 5.7	Subcontractor Site Specific Safety Plan	2.1
R	Element 5.8	Job Hazard Analysis	2.3
R	Element 5.9	Pre-task Planning	2.3
R	Element 5.10	Look Ahead Schedule	2.1
R	Element 5.11	On and Off site Traffic Plan	2.1
R	Element 5.12	Good housekeeping Plan	2.2
E	Element 5.13	Personnel Protection Equipment (PPE) Plan	1.8
Training and Education		15.3 Possible Credits	
R	Element 6.1	Safety Training for Designers	2.0
R	Element 6.2	Safety Orientation for All Workers	2.0
E	Element 6.3	Safety Training for All Field Supervisors	2.0
E	Element 6.4	OSHA 10-hour Training for All Workers	1.8
E	Element 6.5	Equipment Operators Skills and Training Assessment	1.8

E	Element 6.6	Toolbox Meetings	1.8
E	Element 6.7	Regular Safety Training for All Project Personnel	2.0
E	Element 6.8	Constructor Mentors Subs to Improve Safety Performance	1.9

Safety Resources 1.8 Possible Credits

E	Element 7.1	Task-based Hazard Exposure Database	1.8
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Drug and Alcohol Program 1.8 Possible Credits

E	Element 8.1	Drug and Alcohol Testing Program	1.8
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Accident Investigation and Reporting 3.7 Possible Credits

R	Element 9.1	Accident and Near Miss Investigation	2.0
E	Element 9.2	Accident and Near Miss Investigation with pre-task/JHA	1.7

Employee Involvement 4.2 Possible Credits

R	Element 10.1	Employees Empowered with Stop Authority	2.3
E	Element 10.2	Employee Safety Committee and Leadership Team	1.9

Safety Inspection 3.8 Possible Credits

E	Element 11.1	Safety Inspections	2.0
E	Element 11.2	Safety Violations Identified and Corrected	1.8

Safety Accountability and Performance Measurement 8.0 Possible Credits

R	Element 12.1	Project Accountability and Responsibility	2.4
R	Element 12.2	Supervisors Evaluated Based on Safety Performance	2.2
E	Element 12.3	Safety Performance Evaluation using Safety Metrics	1.9
E	Element 12.4	Contractor Evaluation Based on Safety Performance	1.5

Industrial Hygiene Practices 9.1 Possible Credits

R	Element 13.1	Engineering Controls for Health Hazards	2.1
E	Element 13.2	Hearing Protection Program	1.6
E	Element 13.3	Respiratory Protection Program	1.9
E	Element 13.4	Stretch and Flex Program	1.5
E	Element 13.5	Ergonomic Task Analysis and Remediation	2.0

Project Total 100 Possible Credits

SCSH Ratings:

- ★ = All Required (R) elements fulfilled
- ★★ = All Required (R) elements fulfilled and 55- 60 total credits
- ★★★ = All Required (R) elements fulfilled and 61- 75 total credits
- ★★★★ = All Required (R) elements fulfilled and 76- 90 total credits
- ★★★★★ = All Required (R) elements fulfilled and 91- 100 total credits

1.0 Project Team Selection

Element 1.1: Constructor Selection
Possible Credits: 2.3
Type: Required

Purpose

Employ a constructor with a good safety record.

Requirements

The owner should select a constructor based in part on past safety performance. Criteria used for selection should include the following: Experience Modification Rating (EMR); incident rates (OSHA recordable rate and lost time rate); claims rate; number of OSHA citations in the past 3 years; personal interview/personal knowledge of the constructor's safety performance; and review of the constructor's safety program.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner and the constructor.

Criteria used in constructor selection	Points (Yes = 1; No = 0)	
EMR	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Incident rates	<input type="checkbox"/> Yes	<input type="checkbox"/> No
OSHA citations	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Personal interviews/knowledge	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Safety programs review	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Claims rate	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Total points received =	
Total points possible =	6
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

1.0 Project Team Selection

Element 1.2: Subcontractor Selection
Possible Credits: 2.3
Type: Required

Purpose

Employ subcontractors with good safety records.

Requirements

The constructor should select subcontractors based in part on past safety performance that include: Experience Modification Rating (EMR); incident rates; claims rates; number of OSHA citations in the past 3 years; personal interview/personal knowledge of the contractor's safety performance; and review of the subcontractor's safety program.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, and all of subcontractors who where part of the project.

Criteria used in subcontractor selection	Points (Yes = 1; No = 0)
EMR	<input type="checkbox"/> Yes <input type="checkbox"/> No
Incident rates	<input type="checkbox"/> Yes <input type="checkbox"/> No
OSHA citations	<input type="checkbox"/> Yes <input type="checkbox"/> No
Personal interviews/knowledge	<input type="checkbox"/> Yes <input type="checkbox"/> No
Safety programs review	<input type="checkbox"/> Yes <input type="checkbox"/> No
Claims rate	<input type="checkbox"/> Yes <input type="checkbox"/> No
Total points received =	
Total points possible = 6	
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

1.0 Project Team Selection

Element 1.3: Designer Selection
Possible Credits: 2.0
Type: Required

Purpose

Employ designers with construction safety knowledge and experience.

Requirements

The owner should select a designer based on past experience, knowledge, and willingness to incorporate worker safety and health in the project design. Selection should include: checking past records on designer experience, knowledge of safety and health in design concepts, and personal interviews/knowledge.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner and the designer.

Criteria used in designer selection	Points (Yes = 1; No = 0)
Past safety experience	<input type="checkbox"/> Yes <input type="checkbox"/> No
Knowledge of construction safety and health	<input type="checkbox"/> Yes <input type="checkbox"/> No
Willingness to design for safety	<input type="checkbox"/> Yes <input type="checkbox"/> No
Personal interviews/knowledge	<input type="checkbox"/> Yes <input type="checkbox"/> No
Total points received =	
Total points possible = 4	
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

2.0 Safety and Health in Contracts

Element 2.1: Safety and Health Requirements in Contracts
Possible Credits: 2.2
Type: Required

Purpose

Inclusion of safety and health requirements in construction contracts

Requirements

The owner should incorporate safety and health requirements in the contract with the constructor. The owner should also require the constructor to include the same requirements in subcontracts. The requirements should include: full time safety professional for constructor and at least part time for subcontractors, mandatory drug and alcohol testing program, mandatory safety orientations and site specific training to all workers on site, investigation of all near misses, site specific safety plan, management commitment through mission statement, pre-bid, pre-award, pre-construction meetings of constructor with subcontractors to discuss safety and health.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, designer, constructor, and subcontractors.

Criteria used in contracts terms	Points (Yes = 1; No = 0)
Safety representative	<input type="checkbox"/> Yes <input type="checkbox"/> No
Drug and alcohol program	<input type="checkbox"/> Yes <input type="checkbox"/> No
Orientation and site specific training for all workers	<input type="checkbox"/> Yes <input type="checkbox"/> No
Near miss investigations	<input type="checkbox"/> Yes <input type="checkbox"/> No
Site specific safety plan	<input type="checkbox"/> Yes <input type="checkbox"/> No
Top management commitment	<input type="checkbox"/> Yes <input type="checkbox"/> No
Pre-bid, award, construction safety meetings	<input type="checkbox"/> Yes <input type="checkbox"/> No
Total points received =	
Total points possible = 7	
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

2.0 Safety and Health in Contracts

Element 2.2: Safety and Health Hazard Identification in Drawings
Possible Credits: 1.6
Type: Required

Purpose

Include identification of construction hazards in the construction documents.

Requirements

The designers should identify potential safety and health hazards associated with the work by including hazard symbols or other features in the construction drawings.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, subcontractor, and designer.

Criteria	Rating
Were safety and health hazards identified in the construction drawings? If yes, how detailed was the process, rated on a scale from 1 to 5? If this criterion was not considered, "0" points will be awarded. (1 = Very low, 2 = Low, 3 = Moderate, 4 = High, 5 = Very high)	<input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5
Total points received =	
Total points possible =	5
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

2.0 Safety and Health in Contracts

Element 2.3: Specification of Less Hazardous Materials
Possible Credits: 1.7
Type: Required

Purpose

Specify less hazardous construction materials to eliminate health hazards.

Requirements

To satisfy this credit, the designers should specify less hazardous materials.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, subcontractor, and designer. A list of all of the alternative materials specified should be submitted along with this calculation sheet.

Criteria	Rating
Was specification of less hazardous materials considered/ specified? If yes, how detailed was the process, rated on a scale from 1 to 5? If criterion was not considered, "0" points will be awarded. (1 = Very low, 2 = Low, 3 = Moderate, 4 = High, 5 = Very high)	<input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5
Total points received =	
Total points possible =	5
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

3.0 Safety and Health Professionals

Element 3.1: Competent Personnel for All High Hazard Tasks
Possible Credits: 2.4
Type: Required

Purpose

Assign competent person for all high hazard tasks.

Requirements

The constructor and subcontractors should assign a competent person who is capable of identifying existing and predictable hazards in the work environment, which are hazardous or dangerous, and has the authority to stop work or take corrective actions to eliminate the conditions. A list of all major activities in the project should be created and whether or not a competent person would be required at the start of the project. In addition to the OSHA-required competent person mandate, the competent personnel should be required for various other activities.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, and subcontractors. A list of all of the activities and the corresponding competent person assigned to that particular task with name and a signature.

Criteria	Points (Yes = 1; No = 0)
Were competent personnel assigned for all high hazard tasks? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total points received =	
Total points possible =	1
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

3.0 Safety and Health Professionals

Element 3.2: Owner Safety Representative
Possible Credits: 1.8
Type: Elective

Purpose

Owner ensures construction site safety efforts by appointing an owner safety representative.

Requirements

The owner should assign a full-time or part-time safety professional on-site depending on the project size.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner and constructor.

Criteria	Points (Yes = 1; No = 0)
Did the project have an owner safety professional? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total points received =	
Total points possible =	1
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

3.0 Safety and Health Professionals

Element 3.3: Constructor Safety Representative
Possible Credits: 2.0
Type: Elective

Purpose

Ensure safety efforts by appointing a full time safety professional for the project.

Requirements

The constructor should assign a safety representative for the project.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner and constructor.

Criteria	Points (Yes = 1; No = 0)
Did the project have a full time safety professional representing the constructor? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total points received =	
Total points possible =	1
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

3.0 Safety and Health Professionals

Element 3.4: Subcontractor Safety Representative
Possible Credits: 1.9
Type: Elective

Purpose

Ensure safety efforts by appointing a safety professional for the project.

Requirements

Subcontractors should assign a safety professional on-site depending on the project size.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, and subcontractors.

Criteria	Points (Yes = 1; No = 0)
Did the project have a subcontractor safety professional (full-time/part-time)? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total points received =	
Total points possible =	1
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

4.0 Safety and Health Commitment

Element 4.1 Management Commitment to Safety and Health
Possible Credits: 2.0
Type: Required

Purpose

Ensure strong safety commitment from constructor and subcontractor management.

Requirements

In order to receive full credits, management from all of the parties involved should: sign a project safety mission statement, address safety in all project conferences, visit job sites at least once a month, participate in accident investigation (lost time injuries), and review company safety plans.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, and subcontractor. Attachments should be submitted with the calculation sheet that includes: all mission statements, minutes of conferences, job visit logs, and evidence of safety plan review.

Criteria			Points (Yes = 1; No = 0)
Safety mission statement signed	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Safety addressed in meetings	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Job site visits (monthly)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Participation in accident investigation	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Review of project safety plan	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Total points received =			
Total points possible =			5
% of criteria fulfilled = Points received/Points possible =			
Credit received = Possible credits * % of criteria fulfilled =			

4.0 Safety and Health Commitment

Element 4.2: Owner Commitment to Safety and Health
Possible Credits: 2.3
Type: Required

Purpose

Ensure strong safety commitment from the owner and owner's representative.

Requirements

The owner or owner's representative should participate in various safety activities on site that include: sign a project safety mission statement, accident investigation, participation in safety meetings, and tool box talks, job site visits, review the constructors project plan, and allocate budget for safety.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, and subcontractors. A list of all safety related activities participated in by the owner and owner's representative should be attached.

Criteria	Points (Yes = 1; No = 0)
Safety mission statement signed	<input type="checkbox"/> Yes <input type="checkbox"/> No
Participation in meetings	<input type="checkbox"/> Yes <input type="checkbox"/> No
Job site visits (monthly)	<input type="checkbox"/> Yes <input type="checkbox"/> No
Participation in accident investigation	<input type="checkbox"/> Yes <input type="checkbox"/> No
Review of project safety plan	<input type="checkbox"/> Yes <input type="checkbox"/> No
Safety Budget	<input type="checkbox"/> Yes <input type="checkbox"/> No
Total points received =	
Total points possible = 6	
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

5.0 Safety and Health Planning

Element 5.1: Safety and Health During Conceptual Planning Phase
Possible Credits: 2.3
Type: Required

Purpose

Address worker safety during the conceptual planning stages of the project.

Requirements

Construction worker safety and health should be considered during the project conceptual planning phase.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, subcontractor, and designer. A list of all considerations should be submitted along with this calculation sheet.

Criteria	Rating
Was safety of workers considered during the conceptual planning stage? If yes, how detailed was the process, rated on a scale from 1 to 5? If safety was not considered, "0" points will be awarded. (1 = Very low, 2 = Low, 3 = Moderate, 4 = High, 5 = Very high)	<input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5
Total points received =	
Total points possible =	5
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

5.0 Safety and Health Planning

Element 5.2: Constructability Review
Possible Credits: 2.3
Type: Required

Purpose

Improve safety and health performance of the project by considering the “buildability” or “constructability” of the design.

Requirements

A detailed constructability review should be conducted with the involvement of the constructor.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, subcontractor, and designer. A list of all considerations and improvements should be submitted along with this calculation sheet.

Criteria	Rating
Was a detailed constructability review conducted? If yes, how detailed was the process, rated on a scale from 1 to 5? If not conducted, “0” points will be awarded. (1 = Very low, 2 = Low, 3 = Moderate, 4 = High, 5 = Very high)	<input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5
Total points received =	
Total points possible =	5
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

5.0 Safety and Health Planning

Element 5.3: Designing for Worker Safety and Health
Possible Credits: 2.3
Type: Required

Purpose

Address safety during the design stage.

Requirements

Construction worker safety and health should be considered during the project design phase.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, subcontractor, and designer. A list of all considerations should be submitted along with this calculation sheet.

Criteria	Rating
Was safety of workers considered during the design stage? If yes, how detailed was the process, rated on a scale from 1 to 5? If safety was not considered in design, "0" points will be awarded. (1 = Very low, 2 = Low, 3 = Moderate, 4 = High, 5 = Very high)	<input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5
Total points received =	
Total points possible =	5
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

5.0 Safety and Health Planning

Element 5.4: Life Cycle Safety Design Review
Possible Credits: 2.0
Type: Required

Purpose

Minimize safety hazards by conducting life cycle safety design review.

Requirements

Construction worker safety and health considered during the entire life cycle of the project from conceptual planning to operations and maintenance.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, subcontractor, and designer. A list of all considerations should be submitted along with this calculation sheet.

Criteria	Rating
Was safety of workers considered from a life cycle safety design perspective? If yes, how detailed was the process, rated on a scale from 1 to 5? If life cycle safety was not considered in design, "0" points will be awarded. (1 = Very low, 2 = Low, 3 = Moderate, 4 = High, 5 = Very high)	<input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5
Total points received =	
Total points possible =	5
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

5.0 Safety and Health Planning

Element 5.5: Safety Checklist for Designers
Possible Credits: 2.1
Type: Required

Purpose

Provide a checklist of safety considerations to be considered during design.

Requirements

Designer should be provided with a checklist of all hazards for consideration during the design process.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner and designer. The checklist should be submitted along with this calculation sheet.

Criteria	Points (Yes = 1; No = 0)
Was the designer provided with a safety checklist? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total points received =	
Total points possible =	1
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

5.0 Safety and Health Planning

Element 5.6: Constructor Site Specific Safety Plan
Possible Credits: 2.0
Type: Required

Purpose

Prepare a site-specific safety plan.

Requirements

The constructor should prepare a site specific safety plan that includes at least the following: emergency response plan mock tested, crisis management plan, site security, lockout/tag out, return to work program, and targeted injury reduction plan. This plan should be reviewed and approved by the project owner.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, and all of subcontractors who are part of the project.

Criteria	Points (Yes = 1; No = 0)
Did the project have a constructor site-specific safety plan? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total points received =	
Total points possible =	1
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

5.0 Safety and Health Planning

Element 5.7: Subcontractor Site Specific Safety Plan
Possible Credits: 2.1
Type: Required

Purpose

Prepare a subcontractor site-specific safety plan.

Requirements

All subcontractors should prepare a site specific safety plan that includes at least the following: emergency response plan mock tested, crisis management plan, site security, lockout/tag out, return to work program, and targeted injury reduction plan. This plan should be reviewed and approved by the project owner and the constructor.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, and all of subcontractors who are part of the project.

Criteria	Points (Yes = 1; No = 0)
Did the project have a subcontractor site-specific safety plan reviewed and approved by the constructor? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total points received =	
Total points possible =	1
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

5.0 Safety and Health Planning

Element 5.8: Job Hazard Analysis
Possible Credits: 2.3
Type: Required

Purpose

Envision potential hazards by Conducting Job Hazard Analyses (JHA).

Requirements

Detailed Job Hazard Analyses should be prepared for all tasks that are part of the project.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, and all of subcontractors who are part of the project. All of the Job Hazard Analyses prepared, as part of the project should be attached with the calculation sheet.

Criteria	Points (Yes = 1; No = 0)
Were Job Hazard Analyses performed for all of the tasks on the project? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total points received =	
Total points possible =	1
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

5.0 Safety and Health Planning

Element 5.9: Pre-task Planning
Possible Credits: 2.3
Type: Required

Purpose

Envision potential hazards and review each activity by conducting a pre-task plan.

Requirements

A detailed pre-task plan should be prepared for all of the tasks as part of the project.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, and all of subcontractors who are part of the project. All of the pre-task plans prepared, as part of the project should be attached with the calculation sheet.

Criteria	Points (Yes = 1; No = 0)
Were pre-task plans prepared for all jobs on the project? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total points received =	
Total points possible =	1
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

5.0 Safety and Health Planning

Element 5.10: Look-Ahead Schedule
Possible Credits: 2.1
Type: Required

Purpose

The purpose of this credit is to improve the safety and health performance of the project by preparing look-ahead schedules to avoid trade stacking.

Requirements

Look-ahead schedules should be prepared and reviewed to avoid trade stacking.

Submittals

The calculation sheet provided below should be submitted with signatures from the constructor and subcontractors.

Criteria	Points (Yes = 1; No = 0)
Were look-ahead schedule prepared on the project to avoid trade stacking? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total points received =	
Total points possible =	1
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

5.0 Safety and Health Planning

Element 5.11: On and Off-site Traffic Plan
Possible Credits: 2.1
Type: Required

Purpose

Control traffic on and off site and material flow within the site.

Requirements

Prepare a detailed traffic control and lay down area plan.

Submittals

The calculation sheet provided below should be submitted with signatures from the constructor and subcontractors. The traffic control plan and lay down area plan should be submitted with the calculation sheet.

Criteria	Points (Yes = 1; No = 0)
Was a traffic control and lay down area plan prepared? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total points received =	
Total points possible =	1
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

5.0 Safety and Health Planning

Element 5.12: Good Housekeeping Plan
Possible Credits: 2.2
Type: Required

Purpose

Maintain a clean project to prevent injuries.

Requirements

Prepare and implement a detailed housekeeping plan with assigned responsibility.

Submittals

The calculation sheet provided below should be submitted with signatures from the constructor and subcontractors. The housekeeping plan with a signature from the assigned person should also be submitted with the calculation sheet.

Criteria	Points (Yes = 1; No = 0)
Was a detailed housekeeping plan with assigned responsibility prepared and implemented? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total points received =	
Total points possible =	1
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

5.0 Safety and Health Planning

Element 5.13: Personnel Protective Equipment (PPE) Plan
Possible Credits: 1.8
Type: Elective

Purpose

Protect workers from hazards by providing Personal Protective Equipment.

Requirements

Require all workers to wear proper Personal Protective Equipment and provide all necessary information to the workers on all PPE used on the project.

Submittals

The calculation sheet provided below should be submitted with signatures from the constructor and subcontractors.

Criteria	Points (Yes = 1; No = 0)
Were all workers required to wear PPE?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Was information on all PPE available to the workers?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Total points received =	
Total points possible = 2	
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

6.0 Training and Education

Element 6.1: Safety Training for Designers
Possible Credits: 2.0
Type: Required

Purpose

Train designers about construction worker safety to eliminate hazards at the source.

Requirements

The project designers should undergo training to incorporate construction safety and health during the initial stages of the project.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner and the designer. Documentation identifying the training should be attached.

Criteria	Points (Yes = 1; No = 0)
Did the designers receive safety training? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total points received =	
Total points possible =	1
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

6.0 Training and Education

Element 6.2: Safety Orientation for All Workers
Possible Credits: 2.0
Type: Required

Purpose

Orient workers to the site and to working in a safe manner.

Requirements

All of the workers on the project should go through on-site safety orientation before starting work on the project. The orientation should be site specific.

Submittals

The calculation sheet provided below should be submitted with signatures from the constructor and subcontractors. Documentation showing that all the workers received safety orientation should also be submitted.

Criteria	Number
Total number of workers on the project	
Number of workers receiving safety orientation	
$\% \text{ of criteria fulfilled} = \frac{\text{Number of workers who received safety orientation}}{\text{Number of workers}} =$	
$\text{Credit received} = \text{Possible credits} * \% \text{ of criteria fulfilled} =$	

6.0 Training and Education

Element 6.3: Safety Training for All Field Supervisors
Possible Credits: 2.0
Type: Elective

Purpose

Educate and train field supervisors on how to ensure and improve project safety performance.

Requirements

All of the field supervisors should be educated and trained in proper safety and health procedures that include OSHA 30-hour training certification.

Submittals

The calculation sheet provided below should be submitted with signatures from the constructor and subcontractors. Documentation showing that all of the supervisors received OSHA 30 hour training should be submitted.

Criteria	Number
Total number of field supervisors on the project	
Number of field supervisors receiving OSHA 30 hr certification	
$\% \text{ criteria fulfilled} = \frac{\text{Number of supervisors with certification}}{\text{Number of supervisors}} =$	
$\text{Credit received} = \text{Possible credits} * \% \text{ of criteria fulfilled} =$	

6.0 Training and Education

Element 6.4: OSHA 10-hour Training for All Workers
Possible Credits: 1.8
Type: Elective

Purpose

Educate and train the construction workers regarding the construction hazards, safety procedures, and regulatory requirements.

Requirements

All of the construction workers on the project should be educated and trained through OSHA 10-hour certification.

Submittals

The calculation sheet provided below should be submitted with signatures from the constructor and subcontractors. Documentation showing that all of the workers received OSHA 10 hour certification should also be submitted.

Criteria	Number
Total number of workers on the project	
Number of workers receiving OSHA 10 hr certification	

$$\% \text{ of criteria fulfilled} = \frac{\text{Number of workers with certification}}{\text{Number of workers}} =$$
$$\text{Credit received} = \text{Possible credits} * \% \text{ of criteria fulfilled} =$$

6.0 Training and Education

Element 6.5: Assessment of all Equipment Operators Skills and Training
Possible Credits: 1.8
Type: Elective

Purpose

Ensure proper safety credentials of construction equipment operators.

Requirements

All of the construction equipment operators should be assessed on their skills and training before being allowed to perform work on-site.

Submittals

The calculation sheet provided below should be submitted with signatures from the constructor and subcontractors. Documentation showing that all of the operators had proper training and skills should also be submitted.

Criteria	Points (Yes = 1; No = 0)
Were the construction equipment operators' skills and training verified before operating equipment on site? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total points received =	
Total points possible =	1
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

6.0 Training and Education

Element 6.6: Toolbox Meetings
Possible Credits: 1.8
Type: Elective

Purpose

Assure that all workers are aware of the safe work practices and procedures for their assigned work.

Requirements

Foremen should conduct toolbox talks at the crew level during the project.

Submittals

The calculation sheet provided below should be submitted with signatures from the constructor and subcontractors. Toolbox meeting records should be submitted.

Criteria	Points (Yes = 1; No = 0)
Are toolbox (safety) meetings held regularly on the jobsite at the crew level? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total points received =	
Total points possible =	1
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

6.0 Training and Education

Element 6.7: Regular Safety Training to All Project Personnel
Possible Credits: 2.0
Type: Elective

Purpose

Educate and train project personnel on safety.

Requirements

All project personnel should be given regular safety training during the project as seen pertinent.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, and subcontractors.

Criteria	Points (Yes = 1; No = 0)
Was regular safety training given to all project personnel? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total points received =	
Total points possible =	1
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

6.0 Training and Education

Element 6.8: Constructor Mentors Subs on Safety and Health
Possible Credits: 1.9
Type: Elective

Purpose

The constructor mentors subcontractors on worker safety and health to help improve their awareness of worker safety and health.

Requirements

Constructor should seize every opportunity to help subcontractors and teach them about worker safety and health.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, and subcontractor. Documentation on any mentoring event should be submitted.

Criteria	Rating
Were subs mentored by the constructor? If yes, how frequent was the process, rated on a scale from 1 to 5? If no, "0" points will be awarded. (1 = Very low, 2 = Low, 3 = Moderate, 4 = High, 5 = Very high)	<input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5
Total points received =	
Total points possible =	5
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

7.0 Safety and Health Resources

Element 7.1: Task-based Hazard Exposure Database
Possible Credits: 1.8
Type: Elective

Purpose

Educate project personnel on the hazards associated with all major construction tasks.

Requirements

A detailed task based hazard exposure database should be created and maintained during the project. It should be readily available to all project personnel.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor and subcontractors. A copy of the database should also be submitted with the calculation sheet.

Criteria	Points (Yes = 1; No = 0)
Was a detailed task based hazard exposure database prepared and implemented? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total points received =	
Total points possible =	1
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

8.0 Drug and Alcohol Program

Element 8.1: Drug and Alcohol testing Program
Possible Credits: 1.8
Type: Elective

Purpose

Prevent workers under the influence of drugs and alcohol from working to prevent injuries while on the jobsite.

Requirements

All employees must be tested for drugs and alcohol: prior to employment, post incident (all incidents), and randomly. Any employee who tested positive should not be allowed to carry out work on the site.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, and subcontractors.

Criteria	Points (Yes = 1; No = 0)
Pre-employment screening	<input type="checkbox"/> Yes <input type="checkbox"/> No
Random testing during course of employment	<input type="checkbox"/> Yes <input type="checkbox"/> No
Post incident testing	<input type="checkbox"/> Yes <input type="checkbox"/> No
Total points received =	
Total points possible = 3	
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

9.0 Accident Investigation and Reporting

Element 9.1: Accident and Near Miss Investigation
Possible Credits: 2.0
Type: Required

Purpose

To conduct a thorough accident and near miss investigation.

Requirements

All accidents and near misses should be recorded and investigated, and corrective action should be taken to prevent similar accidents in the future.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor and subcontractors. Documentation of all accident and near miss investigations should be submitted.

Criteria	Number
Total number of accidents and near misses on the project	
Number of accidents and near misses investigated	
$\% \text{ of criteria fulfilled} = \frac{\text{Number of accidents and near misses}}{\text{Number of investigations conducted}} =$	
$\text{Credit received} = \text{Possible credits} * \% \text{ of criteria fulfilled} =$	

9.0 Accident Investigations and Reporting

Element 9.2: Accident and Near Miss Investigation with Pre-task Planning/JHA
Possible Credits: 2.0
Type: Elective

Purpose

Use of Pre-task planning /JHA with accident and near miss investigation.

Requirements

All accidents and near misses should be recorded and investigated, and corrective action should be taken to prevent similar future accidents. Pre-task planning/JHA of the activity associated with the accident should be used during the investigation. The findings should be communicated through pre-task plans/JHA of similar activities.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, and subcontractors. Documentation of all accident and near miss investigations should be submitted.

Criteria	Number
Total number of accidents and near misses on the project	
Number of pre-task plans and JHAs prepared during accidents and near misses investigated	
$\% \text{ of criteria fulfilled} = \frac{\text{Number of accidents and near misses}}{\text{Number of pre-task plans and JHAs prepared and used}} =$	
$\text{Credit received} = \text{Possible credits} * \% \text{ of criteria fulfilled} =$	

10.0 Worker Involvement

Element 10.1: Employees Empowered with Stop Authority
Possible Credits: 2.3
Type: Required

Purpose

Empower employees to stop hazardous work.

Requirements

The workers should be given the authority to stop work in case of any hazardous work or condition on the job site.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, and subcontractors.

Criteria	Points (Yes = 1; No = 0)
Are the workers empowered to stop hazardous work? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total points received =	
Total points possible =	1
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

10.0 Worker Involvement

Element 10.2: Employee Safety Committee and Leadership Team
Possible Credits: 1.9
Type: Elective

Purpose

Inform and educate project personnel about the jobsite hazards and abatement methods.

Requirements

Safety committees should be formed whose goal is to oversee project safety efforts and to ensure compliance with project safety plans and other applicable government regulations. The overall goal should be implemented through worker safety committees (small group with workers and a leader) and leadership teams (all project group leaders, safety professional, and superintendent). The committees should meet at least once every week and plan proactively to eliminate injuries.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, and subcontractors. Documentation of all of these meetings should be submitted along with the calculation sheet.

Criteria	Number
Total number of weeks in the project multiplied by four	
Number of worker committee and leadership committee meetings held	
$\% \text{ of criteria fulfilled} = \text{Number of Committee Meetings} / (\text{Number of weeks} * 4) =$	
$\text{Credit received} = \text{Possible credits} * \% \text{ of criteria fulfilled} =$	

11.0 Inspection

Element 11.1: Safety Inspection
Possible Credits: 2.0
Type: Elective

Purpose

Identify and eliminate potential construction safety and health hazards during the work.

Requirements

The superintendent, constructor safety professional, subcontractor safety professional, owner safety professional, management personnel, and foremen should conduct safety inspections on a regular basis. All potential hazards identified must be investigated and corrective action must be taken immediately. These actions should be documented.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor and subcontractors. All inspection logs should be submitted along with the calculation sheet.

Criteria	Points (Yes = 1; No = 0)
Superintendent inspections	<input type="checkbox"/> Yes <input type="checkbox"/> No
GC safety Rep inspections	<input type="checkbox"/> Yes <input type="checkbox"/> No
Sub safety Rep inspections	<input type="checkbox"/> Yes <input type="checkbox"/> No
Owner safety Rep inspections	<input type="checkbox"/> Yes <input type="checkbox"/> No
Foremen inspections	<input type="checkbox"/> Yes <input type="checkbox"/> No
Management personnel inspections	<input type="checkbox"/> Yes <input type="checkbox"/> No
Total points received =	
Total points possible = 6	
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

11.0 Inspection

Element 11.2: Safety Violation Identification and Correction
Possible Credits: 1.8
Type: Elective

Purpose

Identify and correct all safety violations identified during safety inspections.

Requirements

All OSHA and company safety violations should be identified, investigated, and corrective action must be taken immediately. These actions should be documented.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, and subcontractors. All documentation on the safety violations identified and corrected.

Criteria	Number
Total number of safety violations identified during project	
Number of safety violations corrected	
$\% \text{ of criteria fulfilled} = \frac{\text{Violations corrected}}{\text{Number of violations}} =$	
$\text{Credit received} = \text{Possible credits} * \% \text{ of criteria fulfilled} =$	

12.0 Accountability and Performance Measurement

Element 12.1: Project Accountability and Responsibility
Possible Credits: 2.4
Type: Required

Purpose

Establish collective safety accountability and responsibility among management and project personnel.

Requirements

Create, circulate, and maintain a responsibility matrix that clearly defines the responsibility and accountability for project safety and health. The roles and responsibilities of all of the project personnel and management should be clearly established at the start of the project. The project safety supervisor/manager should be a technical resource to the project team and should not be the person held accountable in case of accidents.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, subcontractor, and designer. The job responsibility matrix created as part of the project should be attached with the calculation sheet.

Criteria	Points (Yes = 1; No = 0)
Was a job responsibility matrix establishing clear safety accountability and responsibility created as part of the project? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total points received =	
Total points possible =	1
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

12.0 Accountability and Performance Measurement

Element 12.2: Supervisor Evaluation based on Safety Performance
Possible Credits: 2.2
Type: Required

Purpose

Improve project safety performance by evaluating project supervisor personnel based on safety performance on the project.

Requirements

Develop a system that penalizes or rewards supervisors based on their project safety performance.

Submittals

The calculation sheet provided below should be submitted with signatures from the concerned management (constructor or subcontractor).

Criteria	Points (Yes = 1; No = 0)
Were project supervisors evaluated based on safety performance on the project? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total points received =	
Total points possible =	1
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

12.0 Accountability and Performance Measurement

Element 12.3: Safety Performance Evaluation
Possible Credits: 1.9
Type: Elective

Purpose

Use performance metrics to evaluate and improve project safety performance.

Requirements

Project safety performance should be measured and improved with the help of the following metrics: weekly inspections (number of OSHA and company violations identified), all accidents including near misses investigated and documented, OSHA recordable and LTA rates, claims rate, and accident costs. The project team should show improvement in the above metrics as the project progresses.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, and subcontractors. All weekly/monthly metrics should be submitted. A graphical representation of the metrics over the project period should also be submitted.

Criteria used in performance measure	Points (Yes = 1; No = 0)	
OSHA and company violations	<input type="checkbox"/> Yes	<input type="checkbox"/> No
OSHA recordable and LTA incident rates	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Near misses	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Accident costs	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Accident investigation	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Claims rate	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Total points received =		
Total points possible =		6
% of criteria fulfilled = Points received/Points possible =		
Credit received = Possible credits * % of criteria fulfilled =		

12.0 Accountability and Performance Measurement

Element 12.4: Contractor Evaluation Based on Safety Performance
Possible Credits: 1.5
Type: Elective

Purpose

Evaluate contractors based on safety performance on the project.

Requirements

The owner should include a safety performance specification in the contracts that the contractors (general and subcontractor) have to comply with. Failure to comply will lead to penalty in the final payment or more compliance can lead to profit sharing. The owner can use all of the six criteria specified in “Element 12.3” to evaluate the contractor. The evaluation benchmark selected is up to the owner.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, and subcontractors. The owner’s initial safety target along with whether or not the contractors complied should be submitted with proper records.

Criteria	Points (Yes = 1; No = 0)
Did the owner evaluate the contractors based on safety performance? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total points received =	
Total points possible =	1
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

13.0 Industrial Hygiene Practices

Element 13.1: Engineering Controls for Health Hazards
Possible Credits: 2.1
Type: Required

Purpose

Prevent and control worker health hazards at the source with the help of engineering controls.

Requirements

To the extent feasible, the work environment and the job itself should be designed to eliminate hazards or reduce exposure to hazards. Engineering control should be the first option in dealing with any hazards. The following principles as recommended by OSHA should be followed:

- If feasible, design the facility, equipment, or process to remove the hazard or substitute something that is not hazardous.
- If removal is not feasible, enclose the hazard to prevent exposure in normal operations.
- Where complete enclosure is not feasible, establish barriers or local ventilation to reduce exposure to the hazard in normal operations.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, subcontractor, and designer. A list of all engineering control considerations on the project should be submitted along with this calculation sheet.

Criteria	Rating
Was engineering control considered for all health hazards? If yes, how detailed was the process, rated on a scale from 1 to 5? If this criterion was not considered, "0" points will be awarded. (1 = Very low, 2 = Low, 3 = Moderate, 4 = High, 5 = Very high)	<input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5
Total points received =	
Total points possible =	5
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

13.0 Industrial Hygiene Practices

Element 13.2: Hearing Protection Program
Possible Credits: 1.6
Type: Elective

Purpose

Protect employees from potentially harmful effects of exposure to extreme noise through the introduction of engineering controls, implementation of administrative controls, or through the use of personal protective equipment (PPE).

Requirements

Create and implement a hearing protection program as part of the project safety plan. Hearing protection must be made available to all workers exposed at or above the action level. All workers who are subjected to a noise level of 85 dBA or above are to be included in a Hearing Conservation Program.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, and subcontractors.

Criteria	Rating
Was a hearing protection plan created and implemented as part of the project safety plan? If yes, how effective was the process, rated on a scale from 1 to 5? If this criterion was not considered "0" points will be awarded. (1 = Very low, 2 = Low, 3 = Moderate, 4 = High, 5 = Very high)	<input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5
Total points received =	
Total points possible =	5
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

13.0 Industrial Hygiene Practices

Element 13.3: Respiratory Protection Program
Possible Credits: 1.9
Type: Elective

Purpose

Ensure that all employees have adequate respiratory protection in the workplaces to reduce the exposure to airborne contaminants through the introduction of engineering controls, implementation of administrative controls, or through the use of personal protective equipment (PPE).

Requirements

Create and implement a respiratory protection program as part of the project safety plan.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, and subcontractors.

Criteria	Rating
Was a respiratory protection plan created and implemented as part of the project safety plan? If yes, how effective was the process, rated on a scale from 1 to 5? If this criterion was not considered, "0" points will be awarded. (1 = Very low, 2 = Low, 3 = Moderate, 4 = High, 5 = Very high)	<input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5
Total points received =	
Total points possible =	5
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

13.0 Industrial Hygiene Practices

Element 13.4: Stretch and Flex Program
Possible Credits: 1.5
Type: Elective

Purpose

Reduce the risk and severity of back and musculoskeletal disorder (MSD) type injuries.

Requirements

All workers perform stretching exercises at the start of the work shift each day.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, and subcontractors.

Criteria	Rating
Were workers required to perform stretching exercises at the start of the work shift each day? If yes, how effective was the process, rated on a scale from 1 to 5? If this criterion was not considered, "0" points will be awarded. (1 = Very low, 2 = Low, 3 = Moderate, 4 = High, 5 = Very high)	<input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5
Total points received =	
Total points possible =	5
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	

13.0 Industrial Hygiene Practices

Element 13.5: Ergonomic Task Analysis and Remediation
Possible Credits: 2.0
Type: Elective

Purpose

Improve workplace ergonomics to prevent cumulative trauma disorders (CTDs) and strains/sprains among construction workers.

Requirements

Create and implement a detailed ergonomic task analysis plan for the project as part of the project safety plan. All of the ergonomic risk factors, such as awkward postures, contact stress, vibration, static loading, repetition, and force, should be identified and remediated. Remediation should be aimed at fitting the job (tools, tasks, and environment) to the employee, instead of forcing the worker to fit the job.

Submittals

The calculation sheet provided below should be submitted with signatures from the owner, constructor, subcontractor, and designer. The ergonomic task analysis plan implemented on the project should be submitted along with this calculation sheet.

Criteria	Rating
Was ergonomic task analysis performed as part of the project safety process? If yes, how detailed was the process, rated on a scale from 1 to 5? If this criterion was not considered "0" points will be awarded. (1 = Very low, 2 = Low, 3 = Moderate, 4 = High, 5 = Very high)	<input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5
Total points received =	
Total points possible =	5
% of criteria fulfilled = Points received/Points possible =	
Credit received = Possible credits * % of criteria fulfilled =	