

Project:

Plan #: Rev:

Scope of Work:

**Must be specific (i.e. deck level, bent location, work package #, etc.)

Created by:

Date Opened: Expiration Date:

Eliminate

Prevent

Every operation performed at heights where the fall hazard cannot be eliminated by performing work at grade or prevented through the use of engineered controls such as guardrails or scaffold must have a completed Fall Protection Permit.

What other options for fall arrest have been considered?:

Identify the fall hazards to be controlled with this plan:

Complete all sections flagged with planned hazard control method - See page 3 for approvals

Restrain

Requires Designated Approver Signature

Arrest

Requires Designated Approver Signature

Arrest

Requires Sponsor / Area Manager Approval

Above D-Ring Anchorage

Below D-Ring Anchorage

Administrative

Requires District Safety Manager

Administrative controls are preventive measures taken to reduce the likelihood of a fall. These methods include safety monitors, warning lines, warning horns, designated areas or control lines. This is the least preferred method of protection because it does not provide a physical or positive means of protection.

Restrain

Can some or all of the fall hazard(s) be reasonably eliminated by using FALL RESTRAINT methods

Anchorage

Improvised Anchorage Point(s) - 1000lb min cap.

Engineered Anchor Point(s) - Attach

Horizontal Restraint Line(s) - Attach

Manufactured Anchorage Point(s) - Attach

Connector

SRL anchored farther from the edge than SRL length

Fixed length rope, lanyard, cable, etc.

Adjustable length rope, lanyard, cable, etc.

Other:

Arrest

Please select the components utilized in the fall arrest system and attach entire manual of each to facilitate review (check all that apply)

Anchorage

Improvised Anchorage Point(s) - 5000lb min cap.

Describe:

Engineered Anchorage Point(s) - Attach

Horizontal Life Line(s) - Attach

Manufactured Anchorage Point(s) - Attach

Mobile Elevated Work Permit (MEWP)

Arrest System Capacities and Restrictions

Anchorage (if less than 5,000 lb. min cap.)

Maximum Arrest Force (MAF)

Maximum User Weight

Maximum Number of Users

Maximum Allowable Horizontal Distance from Anchorage

Anchorage Connector - Attach

Beam Strap

Wire Rope Cable

Beam Clamp

Concrete Wedge Anchor

Concrete D-Ring Anchor

Other:

Anchorage Connector

Maximum Arrest Force (MAF)

Maximum User Weight

Maximum Number of Users

Maximum Allowable Horizontal Distance from Anchorage

Self Retracting Lifeline (SRL) - Attach

Nano-Lok Edge

Ultra Lok Edge

Rebel SRL-LE

Smart Lock SRL-LE

Other (with District Safety Manager Approval) :

DSM Signature

(If more than one SRL may be utilized worst case)

SRL Data Used

Maximum Arrest Force (MAF)

Maximum User Weight

Maximum SRL Length

Max Allowable User Distance From Anchor Point via Fall Distance Chart

UTILIZE CAPACITY AND RESTRICTION SECTION TO IDENTIFY COMPONENT COMPATABILITY (i.e. SRL MAF is greater than Anchorage MAF, SRL allows user to travel 16ft while Anchorage allows 8ft. All data may not be present for each component, but planner must recognize when more data is needed based on planned use.

All components of the system are compatible or planned utilization is within restrictions

MAX USER WEIGHT FOR LE APPLICATION IS 310LBS PER 3M SRL LIMITATIONS

Superintendent Signature

For typical MEWP use utilize the corporate MEWP fall protection work plan. If utilizing the MEWP exterior tie off bar a specific plan is required

Arrest

Describe how member of this operation will rescue a fallen worker from the suspension of their harness within 10 minutes.

Describe the plan for administrative controls if utilized to prevent a fall via Warning Lines.

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Restrain Arrest Administrative	
Sketch of Worst Case Scenario for Worker Positioning in Fall Restraint/Arrest/Administrative Controls Plan. Include and Identify All System Components.	
If plan involves transfer at heights of any kind, attach the Kiewit transfer at heights SOP	
Arrest Clip of Fall Clearance Chart Utilized from SRL Manual - Highlight Fall Distance (If more than one SRL may be utilized clip worst case here, attach all manuals used to plan)	Arrest Fall Distance Calculation a) SRL Fall Distance from Manual (If more than one SRL may be utilized fill out each) Nano-Lok Edge _____ Ultra Lok Edge _____ Rebel SRL-LE _____ Smart Lock SRL-LE _____ Other (w/EVP Approval)_____ b) Additional fall distance from anchorage device (i.e. sag from a Horizontal Lifeline) Value _____ c) If anchor point is above the D-ring and the worker will be kneeling add 3'-3" for c) value Value _____ d) Fall Distance Largest Value from a) _____ Distance from b) _____ Kneeling add from c) + _____ Total Fall Distance _____ Worst Case Fall Clearance _____ (from working surface closest to obstruction)
IF FALL DISTANCE IS GREATER THAN FALL CLEARANCE AND WORK CANNOT BE COMPLETED THROUGH ANY OTHER MEANS, THIS PLAN MUST BE APPROVED BY THE DISTRICT SAFETY MANAGER	
District Safety Manager	
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Describe Inspection Responsibility, Procedure, and Frequency
As part of inspection, confirm rescue plan can be performed as described

Designated Approver* Signature Required for Fall Restraint

I have evaluated the operation. All fall hazards cannot be removed through fall elimination or prevention methods, and a fall restrain system is needed. I approve the use of the fall restraint system as described in this permit.

Designated Approver

Designated Approver* Signature Required for Fall Arrest

I have evaluated the operation. All fall hazards cannot be removed through fall prevention/restraint methods, and a fall arrest system is needed. I approve the use of the fall arrest system described in this permit.

Designated Approver

Sponsor / Area Manager Approval Required for Fall Arrest w/Below D-Ring Anchorage

I have evaluated the operation. All consideration has been made to incorporate fall arrest anchor points that are above the height of the user's D-ring. It has been determined that this is not feasible, and below D-ring anchorage must be utilized to complete the work safely.

Job Sponsor / Area Manager Signature

****A completed copy of this permit must be sent to the District Manager, Division Manager, and Executive Vice President****

District Safety Manager Approval for use of Administrative Controls

I have evaluated the operation. All fall hazards cannot be removed through Kiewit's hierarchy of controls and a system of administrative controls may be used to complete the work.

District Safety Manager Signature

This permit shall be reviewed and signed before the operation is started and every two weeks at a minimum.

I understand the hazards of this operation and have received necessary training & instruction on the items described in this plan.

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The plan described must be inspected daily to verify that the installation and use of ALL system components is correct.

If at any time the system does not match the installation or use of the described plan, the operation must be stopped until:

- 1) An investigation is completed as to why the system and installation do not match.
- 2) Corrections are made to the installation and use of the system so that it reflects what is on the described plan.
- 3) The described plan is changed to reflect the current installation and use of the system.

Any instance where the plan is changed, everyone utilizing the system must understand the changes and new instructions before work continues.

RESOURCES

