



State of Utah

SPENCER J. COX
Governor

DEIDRE M. HENDERSON
Lieutenant Governor

DEPARTMENT OF TRANSPORTATION

CARLOS M. BRACERAS, P.E.
Executive Director

TERIANNE S. NEWELL, P.E.
Deputy Director of Planning and Investment

LISA J. WILSON, P.E.
Deputy Director of Engineering and Operations

January 11, 2024

TO: Owners, Area Operators, and other interested parties

FROM: Brian L. Allen

SUBJECT: 1/22/24 Passenger Ropeway Safety Committee meeting at UDOT and Google meets

The next Utah Passenger Ropeway Safety Committee meeting will be at **1:00 p.m. on Monday, January 22, 2024**. You're welcome to attend either in the UDOT Bluff conference room or electronically through Google meets. The electronic appointment contains the links necessary to join the meeting and also includes a link to the agenda. You will be able to join by phone or computer. Video and non-video are both supported.

Contact Information:

Email: brianallen@utah.gov

Cell: 801-633-6408

AGENDA

- ITEM 1. APPROVAL OF MINUTES
November 6, 2023 Meeting
- ITEM 2. Air space exception request: Deer Valley Mountaineer lift
- ITEM 3. Updates: Forest Service, Areas, Manufacturers
- ITEM 4. Open Discussion

#

UTAH PASSENGER ROPEWAY SAFETY COMMITTEE MEETING

Monday, January 22, 2024 - 1:00 p.m.
UDOT Lester Wire Conference Room
and
Electronic Meeting (Google Meets)

AGENDA

- ITEM 1. APPROVAL OF MINUTES
November 6, 2023 Meeting
- ITEM 2. Air space exception request: Deer Valley Mountaineer lift
- ITEM 3. Updates: Forest Service, Areas, Manufacturers
- ITEM 4. Open Discussion

#

**Utah Passenger Ropeway Safety Committee Meeting
Agenda Fact Sheet**

Meeting Date: 1-22-24

Agenda Item: 1

Subject: Approval of Minutes – November 6, 2023

Background:

Exhibits:

Draft minutes

Committee Action Requested: Review and approve the meeting minutes with changes recommended by the Committee.

Unapproved minutes

UTAH PASSENGER ROPEWAY SAFETY COMMITTEE MEETING

November 6, 2023

UDOT Lester Wire conference room & Google Meets

Committee members at UDOT:	Curt Panter, U.S. Forest Service Representative
Committee members Google Meets:	Rich Taxwood, Chairman, Ski Area Representative Russ Oberlander, Vice-chairman, Engineer Jeff West, Ski Area Representative Jill Koford, Public Representative
Committee members absent:	Robert Miles, Ex-officio Member
Staff at UDOT:	Brian Allen, UDOT
Others at UDOT:	Aaron Berg, Woodward Park City
Others (Google Meets):	Brad Hansen, Utah Olympic Park Gustavo Gonzalez, Park City Resort Zach Doyle, Brighton Mike Renz, Deer Valley Bronwen Lindley, Sundance Brandon Nelson, Sundance Jason Davis, Alta Zach Doyle, Brighton Dave Justice, Uintah County Julie Jag, Salt Lake Tribune Danny McRae, Powder Mountain

CALL TO ORDER

The meeting was called to order at 1:00 pm.

I. APPROVAL OF MINUTES

The minutes of the September 18, 2023 and October 17, 2023 meeting were reviewed.

Following the review Rich Taxwood made a motion to approve the minutes of both meetings and Jeff West seconded the motion. The motion passed.

II. 2024 meeting schedule

The meeting schedule for 2024 is:

- January 8th
- March 4th
- May 6th
- September 9th
- November 4th

III. Air Space Exception request: Deer Valley Mountaineer lift

Deer Valley was not able to obtain the engineer's evaluation of the air space encroachment. They are waiting for information from the crane operator. It is anticipated that this will be on the January 8th agenda.

IV. Exception requests: Brighton Crest lift

The new Crest lift has a slightly different alignment than the old lift. The new alignment goes over an existing cabin. The wood burning fireplace is being converted to a gas fireplace to reduce the risk of a fire. The clearances all exceed the ANSI minimum clearances. The smoke detection in the cabin will sound in the bottom operator station. The operator will cease loading and place the lift in a fire operation mode that minimizes the stops while the line is being cleared. The evacuation of carriers over the cabin will be demonstrated.

Following the discussion Jill Koford made a motion to approve the exception and Curt Panter seconded the motion. The motion passed with Russ Oberlander abstaining from voting.

The new Crest lift is a direct drive. ANSI requires that the service brake act on a different surface than the emergency brake. A direct drive lift only has one surface to be used for braking. The exception is to allow both brakes to act on the same surface.

It is anticipated that the next edition of the B77.1 standard, or addendum, will allow the same braking surface to be used for a direct drive lift. At that time the exception will no longer be required.

Following the discussion Curt Panter made a motion to approve the exception and Rich Taxwood seconded the motion. The motion passed with Russ Oberlander abstaining from voting.

V. Air space discussion

The air space is defined as 35 feet measured from the haul rope. An encroachment into the air space requires an exception. The discussion is intended to explore changing the rule to require an evaluation by a qualified engineer for air space encroachments.

Currently an encroachment requires the resort to submit an exception request. That request includes the evaluation of the effect of the encroachment on the operation of the lift and identify necessary mitigation items by a qualified engineer. The committee then reviews and approves the exception request.

The proposed change would still have the encroachments evaluated by a qualified engineer but would not have the evaluations approved by the committee. The operator would be required to notify the committee of the encroachment prior to resuming public operation of the ropeway. The committee would establish a guideline for the evaluation. Ultimately the qualified engineer would determine the scope of the evaluation.

The discussion noted the need for input from the assistant attorney general assigned to work with the committee. Also, that since the air space requirement is written to prohibit encroachment into the air space, but was intended to allow encroachment with additional evaluation, that the proposed change may more clearly present the intention of the air space requirement. It may also be more efficient while providing a similar result.

It was determined that a more developed proposed change will be reviewed at a future meeting.

VI. Annual B77.1 exception: Alta Sunnyside lift

The annual review of the Alta B77.1 exception was overlooked at the May meeting. The Sunnyside lift is a direct drive with the emergency brake and the service brake both acting on the bullwheel. There have not been any issues with the operation of the lift related to the brakes.

Following the discussion Jill Koford made a motion to approve the exception for another year. Rich Taxwood seconded the motion, and the motion passed.

VII. Forest Service / Area & Manufacturer Updates

The areas and manufactures present gave brief updates as to their recent activities.

VIII. Safety Topic / Open Discussion / Questions

The safety topic emphasized training for returning employees and the need for proper safety equipment for the work environment.

The meeting was adjourned at 1:45 pm.

**Utah Passenger Ropeway Safety Committee Meeting
Agenda Fact Sheet**

Meeting Date: 1-22-24

Agenda Item: 2

Subject: Air space exception request: Deer Valley Mountaineer Express

Background:

An air space exception request was reviewed at the September meeting. As requested Deer Valley has worked with a qualified engineer, Jason Zakotnik, on the evaluation of a tower crane being placed near the bottom terminal of the Mountaineer lift. Attached is the resubmitted exception request. You'll see in the attached documents that Jason identified 4 potential issues and the construction company has addressed each of them. I would recommend approval of the exception request once the request has been signed by the resort and qualified engineer.

Attachments:

Committee Action Requested:

Item	Action	Completed



Request for Exception from Standards

Utah Department of Transportation
Passenger Ropeway Safety Committee
4501 S Constitution Blvd.
Taylorsville, UT 84119

OPERATOR / AREA

Name: Deer Valley Resort Company, LLC

Address: POB 889 Park City, UT 84060

OPERATOR / AUTHORIZED REPRESENTATIVE

Name: Michael Renz

Title: Lift Maintenance Manager

LIFT INFORMATION

Name: Mountaineer Express

ID: dv-33

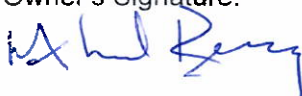
TYPE OF REQUEST

Annual		Limited
<input type="radio"/> Original	<input type="radio"/> Review	Date (requested until)
For the Season: November 1, 2023		to October 31, 2024

DESCRIPTION (Original Requests: complete items 1-4, Review Requests: complete item 1 only)

1.	ANSI B77 sections or R920-50 rules to which the ropeway does not conform: R920-50-10 Airspace Encroachment
2.	Why does it not conform? Adjacent property owner intends to erect construction crane.
3.	Procedures that would be required to bring the lift into conformance with standards: Operating agreements and stipulations that preclude crane travel to encroach upon lift airspace. Crane swing lockouts will be utilized and periodically tested.
4.	Reasons for requesting an exception: Building construction can be accomplished without operating in lift airspace, but may weathervane above arispace.

CERTIFICATION AND SUBMITTAL

<input checked="" type="checkbox"/>	I certify that this ropeway has been operated safely and without any passenger ropeway incident as defined in R920-50-2-G-1 or 7, related to the feature for which exception is requested, for <u>11</u> years (at least 2 years) prior to the date of this request. (see R920-50-10-C)	
<input type="checkbox"/>	A certification from a qualified engineer is attached attesting that the ropeway is so designed and equipped that its devices or methods provide features that are comparable in performance and safety to requirements in standards. (see R920-50-10-C)	
Qualified Engineer Signature:	Print Name:	Date:
Owner's Signature: 	Print Name: Michael Renz	Date: 08/10/2023

APPROVAL

Signature:	Date Approved:
Chairperson, UPRSC	

10 AUG 2023

RE: Founders Place: Tower Crane Placement at Bottom of Mountaineer Express

The list of considerations is based off previous projects receiving UPRSC exception approval near lifts at the resort.

- 1) The UDOT Utah Passenger Ropeway Safety Committee (UPRSC) is our jurisdiction having authority over ropeways within the state of Utah. Our ropeway engineer must be notified/consulted regarding the intended tower crane use and placement. The Committee will review the exception submission and vote on approval. The UPRSC defines a Restricted Airspace as being within 35 feet of the vertical plane through the center of the closest haul rope to the crane.
- 2) Prior to use of the crane, there should be a meeting involving all involved parties: the contractors, crane operators and the resort where the restricted airspace is defined and marked on-site and swing alarms are set. An organizational list of contact phone numbers and email addresses should be obtained to ensure effective lines of communication.
- 3) There must be active and open lines of communication between the construction company, contractors, the crane operator, and the resort, when load, 'picks and sets' may fall within the boundaries of the designated swing limits. We need to be informed any time the crane will operate within these limits.
- 4) DVR should be provided a 'Certificate of Test and Thorough Examination of Crane' document from the crane rental company.
- 5) DVR should be provided the crane operators' certifications from their jurisdiction having authority, possibly the, 'National Commission for the Certification of Crane Operators'.
- 6) DVR should be provided a crane specification document which defines the specifics of the on-site crane: mast height, boom length, height under hook, type of crane, counter ballast, safe working load limits, etc.
- 7) Mast should have aviation lighting
- 8) Cab should be locked when not in use
- 9) Swing limit alarms need to be set-up, followed and tested periodically for correct operating parameters and alarm function.
- 10) Visual flags/markers should be placed on the ground serving to physically define the area where swing cannot encroach.



Date: January 5, 2024

To: Mike Rentz, Deer Valley Resort
CC:

From: Jason Zakotnik, P.E.

Subject: Risks Associated with the Limited Exception Request to R920-50-9 Airspace Requirements for Founder's Place Tower Crane at the Bottom Terminal and Lift Line of Mountaineer Express.

The purpose of this letter is to outline the risk to Deer Valley Guests, Employees, and Equipment if the proposed tower crane is allowed to be in the airspace above the Mountaineer Express Return Terminal and lift line. According to James Bell of SMC Construction there are two instances where the crane may enter the airspace of the lift line as defined by R920-50-2 of the Ropeway Operation and Safety Rules. The first is when a manned crane is lifting and moving loads in the construction area and the jib needs to be over the lift in order to move loads. The second is when an unmanned crane "weathervanes" over the lift due to wind speed and direction. The risks in both situations include but are not limited to:

1. The crane foundation or structure failing, and the crane falls into the lift's airspace.
2. The wire rope cable on the jib failing, and the cable falls into the lift's airspace.
3. A load the crane is carrying falls into the lifts's airspace.
4. Snow and ice buildup on the crane fall into the lift's airspace.

It is up to General Contractor and Crane Operator to explain how the risk's above should be mitigated in order to the Utah Ropeway Committee to allow for a Limited Exception.

Jason Zakotnik, P.E.
Above & Beyond, Inc.

Troy Matthews (DV)

Mon, Jan 8, 11:59 AM (2 days ago)

to me

Hey Brian

Jason just sent us his report, I sent it to James Bell and he sent his response to it.

Thanks

Troy Matthews
Lift Maintenance Assistant Manager
T 435-645-6894



deervalley.com
#skithedifference

From: James Bell <JBell@smcco.biz>
Sent: Monday, January 8, 2024 11:55 AM
To: Troy Matthews (DV) <tmatthews@deervalley.com>
Cc: Mike Renz (DV) <mrenz@deervalley.com>; Branden Whitman <bwhitman@smcco.biz>; Garrett Lang (DV) <glang@deervalley.com>; Carder (EWP) Lamb <clamb@ewpartners.com>; Steve Graff (DV) <sgraff@deervalley.com>; Hannah Tyler (DV) <htyler@deervalley.com>; Mark Fierst <MFierst@smcco.biz>; Madison (EWP) Whalen <mwhalen@ewpartners.com>
Subject: Re: Deer Valley - Construction Crane Proximity to Terminal

You don't often get email from jbell@smcco.biz. [Learn why this is important](#)

NOTICE: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender.

Troy,

Thank you for passing this along. Please take a look at my response below.

- 1- This is not an issue, as all of our structural components are engineered and constructed to the engineered details with AHJ and third-party inspections.
- 2- This is highly unlikely, as cables are inspected daily and replaced if any fraying is observed. Our team has never had this occur due to our safety and third-party inspection guidelines.
- 3- This will not be possible as the zone will be locked out for hoisting. No loads can be lifted over the run/lift areas.
- 4- We'll provide a heated system on the upper jib to melt snow and ice.

Thanks

James Bell
SMC CONSTRUCTION, CO. | SMC CONTRACTING, INC.
1086 GREG STREET, SPARKS, NV 89431
C: [801.367.9278](tel:801.367.9278), O: [435.214.7116](tel:435.214.7116), E: JBELL@SMCCO.BIZ
CONSTRUCTION MANAGEMENT | GENERAL CONTRACTING

On Jan 8, 2024, at 11:48 AM, Troy Matthews (DV) <tmatthews@deervalley.com> wrote:

James

Jason just sent this out to us.

Troy Matthews
Lift Maintenance Assistant Manager
T 435-645-6894



deervalley.com
#skithedifference

From: James Bell <JBell@smcco.biz>
Sent: Monday, January 8, 2024 11:38 AM
To: Mike Renz (DV) <mrenz@deervalley.com>

1/10/24, 2:33 PM

Fw: Deer Valley - Construction Crane Proximity to Terminal - brianallen@utah.gov - State of Utah Mail

Cc: Branden Whitman <bwhitman@smcco.biz>; Garrett Lang (DV) <glang@deervalley.com>; Carder (EWP) Lamb <clamb@ewpartners.com>; Steve Graff (DV) <sgraff@deervalley.com>; Hannah Tyler (DV) <htyler@deervalley.com>; Mark Fierst <MFierst@smcco.biz>; Madison (EWP) Whalen <mwhalen@ewpartners.com>; Troy Matthews (DV) <tmatthews@deervalley.com>

Subject: Re: Deer Valley - Construction Crane Proximity to Terminal

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Mike and team,

Today, I received a message from Bryan Allen (UDOT Board Chair) stating they've not received the information from Deer Valley and Jason (Inspector) for the crane move. He noted that when we move the crane, you'd not be able to operate the lift. I do not want to impact your operations so I called and spoke with Bryan, and he stated that they keep canceling these meetings due to the lack of information from your team.

Please let me know what we need to do to get this pushed through if you need us to compile any information or complete applications.

This is a huge priority for us. Please help us out the best that you can.

Thanks

James Bell
SMC CONSTRUCTION, CO. | SMC CONTRACTING, INC.
1086 GREG STREET, SPARKS, NV 89431
C: 801.367.9278, O: 435.214.7116, E: JBELL@SMCCO.BIZ
CONSTRUCTION MANAGEMENT | GENERAL CONTRACTING

On Dec 15, 2023, at 7:30 AM, Mike Renz (DV) <mrenz@deervalley.com> wrote:

James,

Nothing yet; I will prod him for his report.

Thanks,
Mike

Michael Renz
Lift Maintenance Manager
T 435-615-6359
<Outlook-cbrjxsw0.png>
deervalley.com
#skithedifference

From: James Bell <JBell@smcco.biz>
Sent: Friday, December 15, 2023 6:51 AM
To: Mike Renz (DV) <mrenz@deervalley.com>
Cc: Branden Whitman <bwhitman@smcco.biz>; Garrett Lang (DV) <glang@deervalley.com>; Carder (EWP) Lamb <clamb@ewpartners.com>; Steve Graff (DV) <sgraff@deervalley.com>; Hannah Tyler (DV) <htyler@deervalley.com>; Roger Charter <rcharter@compassequipment.com>; Ray Bellamy <rbellamy@compassequipment.com>; Mark Fierst <MFierst@smcco.biz>; Madison (EWP) Whalen <mwhalen@ewpartners.com>; Troy Matthews (DV) <tmatthews@deervalley.com>
Subject: Re: Deer Valley - Construction Crane Proximity to Terminal

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Mike,

Has the Inspector or the Committee provided any additional guidance?

Thanks

James Bell
SMC CONSTRUCTION, CO. | SMC CONTRACTING, INC.
1086 GREG STREET, SPARKS, NV 89431
C: 801.367.9278, O: 435.214.7116, E: JBELL@SMCCO.BIZ
CONSTRUCTION MANAGEMENT | GENERAL CONTRACTING

On Nov 28, 2023, at 9:55 AM, Mike Renz (DV) <mrenz@deervalley.com> wrote:

James,

Thank you for looking into mitigation solutions. I'll forward your email and attachment to the inspector and the ropeway committee for their consideration.

Mike

Michael Renz
Lift Maintenance Manager
T 435-615-6359
<Outlook-5bjgrmzm.png>
deervalley.com
#skithedifference

From: James Bell <JBell@smcco.biz>
Sent: Tuesday, November 28, 2023 8:50 AM
To: Mike Renz (DV) <mrenz@deervalley.com>
Cc: Branden Whitman <bwhitman@smcco.biz>; Garrett Lang (DV) <glang@deervalley.com>; Carder (EWP) Lamb <clamb@ewpartners.com>; Steve Graff (DV) <sgraff@deervalley.com>; Hannah Tyler (DV) <htyler@deervalley.com>; Roger Charter <rcharter@compassequipment.com>; Ray Bellamy <rbellamy@compassequipment.com>; Mark Fierst <MFierst@smcco.biz>; Madison (EWP) Whalen <mwhalen@ewpartners.com>; Troy Matthews (DV) <tmatthews@deervalley.com>
Subject: Re: Deer Valley - Construction Crane Proximity to Terminal

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Mike,

We've asked our crane team to devise an idea for mitigating the snow and ice on the crane boom; they prefaced the request with their professional position of no risk of snow and ice injuries. Furthermore, they've proposed a heating system to appease the request. I've attached the PDF for your review.

While this solution appears to satisfy the request, I would like to ensure it's absolutely necessary. The minimal flat surface areas on the boom do not allow substantial buildup to fall and would be identically in line with the typical buildup and sluff off on the Deer Valley lift bases and intermediate supports. Like the lift bases and supports, the crane does not generate heat to create a freeze/thaw scenario. Does the Tram board require any sort of mitigation on your lifts and supports?

We're committed to the absolute safety of our projects and the surrounding areas, but want to be open-minded about working together to solutions.

Thanks

James Bell
SMC CONSTRUCTION, CO. | SMC CONTRACTING, INC.
1086 GREG STREET, SPARKS, NV 89431
C: 801.367.9278, O: 435.214.7116, E: JBELL@SMCCO.BIZ
CONSTRUCTION MANAGEMENT | GENERAL CONTRACTING

On Nov 2, 2023, at 12:33 PM, James Bell <bell@smcco.biz> wrote:

Mike,

We're putting together a few options to mitigate this concern. We'll follow up with your team shortly.

Thanks

James Bell
SMC CONSTRUCTION, CO. | SMC CONTRACTING, INC.
1086 GREG STREET, SPARKS, NV 89431
C: 801.367.9278, O: 435.214.7116, E: JBELL@SMCCO.BIZ
CONSTRUCTION MANAGEMENT | GENERAL CONTRACTING

On Nov 2, 2023, at 8:29 AM, Mike Renz (DV) <mrenz@deervalley.com> wrote:

Greetings,

Mr. Zakotnik, our lift inspector, poses a potential issue:

Mike and Troy,

One question I have for the construction guys is:

How will the construction company address Snow/Ice/ Rime Ice build-up on the crane if it is weather-vented over the lift/ lift line/ skier access during periods of non-construction? They will have to ensure that nothing can fall on DV employees, guests in lift lines, and guests skiing under the crane.

Jason

Jason Zakotnik, P.E.
Above & Beyond, Inc.
307 733 6187

Thanks,

Mike

Michael Renz
Lift Maintenance Manager
T 435-615-6359
<Outlook-yerleyru.png>
deervalley.com
#skithedifference

From: James Bell <JBell@smcco.biz>
Sent: Wednesday, October 18, 2023 10:19 AM
To: Mike Renz (DV) <mrenz@deervalley.com>
Cc: Branden Whitman <bwhitman@smcco.biz>; Garrett Lang (DV) <glang@deervalley.com>; Carder (EWP) Lamb <clamb@ewpartners.com>; Steve Graff (DV) <sgraff@deervalley.com>; Hannah Tyler (DV) <htyler@deervalley.com>; Roger Charter <rcharter@compassequipment.com>; Ray Bellamy <rbellamy@compassequipment.com>; Mark Fierst <MFierst@smcco.biz>; Madison (EWP) Whalen <mwhalen@ewpartners.com>; Troy Matthews (DV) <tmatthews@deervalley.com>
Subject: Re: Deer Valley - Construction Crane Proximity to Terminal

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Mike,

We'll make 4:00 p.m. work.

Thanks

James Bell
SMC CONSTRUCTION, CO. | SMC CONTRACTING, INC.
1086 GREG STREET, SPARKS, NV 89431
C: [801.367.9278](tel:801.367.9278), O: [435.214.7116](tel:435.214.7116), E: JBELL@SMCCO.BIZ
CONSTRUCTION MANAGEMENT | GENERAL CONTRACTING

On Oct 18, 2023, at 8:30 AM, Mike Renz (DV) <mrenz@deervalley.com> wrote:

Braden and James,

Our inspector/engineer requested a later time to visit the site.
Would 4pm Monday 23 OCT work for you?

Thank you,
Mike

Michael Renz
Lift Maintenance Manager
T 435-615-6359
<Outlook-of3vktj.png>
deervalley.com
#skithedifference

From: Branden Whitman <bwhitman@smcco.biz>
Sent: Thursday, October 12, 2023 6:13 PM
To: Garrett Lang (DV) <glang@deervalley.com>
Cc: Mike Renz (DV) <mrenz@deervalley.com>; Carder Lamb <clamb@ewpartners.com>; James Bell <JBell@smcco.biz>; Steve Graff (DV) <sgraff@deervalley.com>; Hannah Tyler (DV) <htyler@deervalley.com>; Roger Charter <rcharter@compassequipment.com>; Ray Bellamy <rbellamy@compassequipment.com>; Mark Fierst <MFierst@smcco.biz>; Madison Whalen <mwhalen@ewpartners.com>
Subject: Re: Deer Valley - Construction Crane Proximity to Terminal

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10 am works for us.

Branden Whitman
SMC CONSTRUCTION, CO. | SMC CONTRACTING, INC.
[1086 GREG STREET, SPARKS, NV 89431](http://1086.GREG.STREET.SPARKS.NV.89431)
C: [303.917.7495](tel:303.917.7495),
E: BWHITMAN@SMCCO.BIZ
CONSTRUCTION MANAGEMENT | GENERAL CONTRACTING

On Oct 12, 2023, at 8:09 PM, Garrett Lang (DV) <glang@deervalley.com> wrote:

What time? Can we do 10am?

Garrett Lang
Director - Mountain Operations
Deer Valley Resort
Office: 435-615-6217
Cell: 607-329-2871

Sent from my iPhone. Please pardon brevity or typos.

From: Branden Whitman <bwhitman@smcco.biz>

Sent: Thursday, October 12, 2023 5:59:04 PM

To: Mike Renz (DV) <mrenz@deervalley.com>

Cc: Carder Lamb <clamb@ewpartners.com>; Garrett Lang (DV) <glang@deervalley.com>; James Bell <JBell@smcco.biz>; Steve Graff (DV) <sgraff@deervalley.com>; Hannah Tyler (DV) <htyler@deervalley.com>; Roger Charter <rcharter@compassequipment.com>; Ray Bellamy <rbellamy@compassequipment.com>; Mark Fierst <MFierst@smcco.biz>; Madison Whalen <mwhalen@ewpartners.com>

Subject: Re: Deer Valley - Construction Crane Proximity to Terminal

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Mike,

Myself and James will both be on site for the walk. Thanks you.

Branden Whitman

SMC CONSTRUCTION, CO. | SMC CONTRACTING, INC.

[1086 GREG STREET, SPARKS, NV 89431](https://www.smcco.biz)

C: 303.917.7495,

E: BWHITMAN@SMCCO.BIZ

CONSTRUCTION MANAGEMENT | GENERAL CONTRACTING

On Oct 12, 2023, at 6:03 PM, Mike Renz (DV) <mrenz@deervalley.com> wrote:

James,

Our ropeway inspector/engineer intends to be here on the morning of Monday 23 OCT; will we be able to make a site visit with him to evaluate the crane location?

Thanks,

Mike

Michael Renz
Lift Maintenance Manager
T 435-615-6359
<Outlook-bxcivifb.png>
[deervalley.com](https://www.deervalley.com)
#skithedifference

From: Mike Renz (DV) <mrenz@deervalley.com>

Sent: Tuesday, September 19, 2023 4:16 PM

To: Carder Lamb <clamb@ewpartners.com>; Garrett Lang (DV) <glang@deervalley.com>; James Bell <JBell@smcco.biz>

Cc: Steve Graff (DV) <sgraff@deervalley.com>; Hannah Tyler (DV) <htyler@deervalley.com>; Roger Charter <rcharter@compassequipment.com>; Ray Bellamy <rbellamy@compassequipment.com>; Mark Fierst <MFierst@smcco.biz>; Branden Whitman <bwhitman@smcco.biz>; Madison Whalen <mwhalen@ewpartners.com>

Subject: Re: Deer Valley - Construction Crane Proximity to Terminal

All,

Following is the latest update on the Founder's Place/Mountaineer Express airspace exception application:

The Utah Passenger Ropeway Safety Committee was able to hold a meeting yesterday, 18 SEP, earlier than the next scheduled one on 6 NOV. The committee members present agreed that in the interest of governing consistency, DV should obtain an evaluation of the scope of the exemption application from an approved Qualified Ropeway Engineer. Our current ropeway inspector indicated he would be willing to review the intended crane location and restrictions. We are expecting his annual inspection visit mid- to late-October. Timing should work out ahead of the next scheduled Committee meeting, when, hopefully, the exception request will be approved.

I will forward the crane documents to our inspector/engineer for his review ahead of his visit, and let everyone know if he has any questions or concerns. If anyone on this thread has any questions or concerns, please let me know.

Thanks,
Mike

Michael Renz
Lift Maintenance Manager
T 435-615-6359
<Outlook-mxv3wzwx.png>
deervalley.com
#skithedifference

From: Carder Lamb <clamb@ewpartners.com>
Sent: Thursday, August 10, 2023 2:42 PM
To: Mike Renz (DV) <mrenz@deervalley.com>; Garrett Lang (DV) <glang@deervalley.com>; James Bell <JBell@smcco.biz>
Cc: Steve Graff (DV) <sgraff@deervalley.com>; Hannah Tyler (DV) <htyler@deervalley.com>; Roger Charter <rcharter@compassequipment.com>; Ray Bellamy <rbellamy@compassequipment.com>; Mark Fierst <MFierst@smcco.biz>; Branden Whitman <bwhitman@smcco.biz>; Madison Whalen <mwhalen@ewpartners.com>
Subject: RE: Deer Valley - Construction Crane Proximity to Terminal

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Looping in Madison Whalen.

CARDER LAMB

c 970.376.2664
EWPARTNERS.COM
<image001.jpg>

From: Mike Renz (DV) <mrenz@deervalley.com>
Sent: Thursday, August 10, 2023 2:02 PM
To: Garrett Lang (DV) <glang@deervalley.com>; James Bell <JBell@smcco.biz>
Cc: Carder Lamb <clamb@ewpartners.com>; Steve Graff (DV) <sgraff@deervalley.com>; Hannah Tyler (DV) <htyler@deervalley.com>; Roger Charter <rcharter@compassequipment.com>; Ray Bellamy <rbellamy@compassequipment.com>; Mark Fierst <MFierst@smcco.biz>; Branden Whitman <bwhitman@smcco.biz>
Subject: Re: Deer Valley - Construction Crane Proximity to Terminal

[EXTERNAL EMAIL] ** Verify Sender before clicking Links!!! **

Greetings all,

I'll submit to the UPRSC the exception request form along with the site documents shared earlier, requesting that Brian Allen, State Ropeway Safety Engineer, advise us if anything further is needed. It looks like the next scheduled Ropeway Safety Committee meeting is scheduled for 6 NOV. We'll keep everyone in the loop if further information is requested.

Below is a list of considerations used on previous projects near lifts at the resort receiving UPRSC exception approval:

1. The UDOT Utah Passenger Ropeway Safety Committee (UPRSC) is our jurisdiction having authority over ropeways within the state of Utah. Our ropeway engineer must be notified/consulted regarding the intended tower crane use and placement. The Committee will review the exception submission and vote on approval. The UPRSC defines a Restricted Airspace as being within 35 feet of the vertical plane through the center of the closest haul rope to the crane.
2. Prior to use of the crane, there should be a meeting involving all involved parties: the contractors, crane operators and the resort where the restricted airspace is defined and marked on-site and swing alarms are set. An organizational list of contact phone numbers and email addresses should be obtained to ensure effective lines of communication.
3. There must be active and open lines of communication between the construction company, contractors, the crane operator, and the resort, when load, 'picks and sets' may fall within the boundaries of the designated swing limits. We need to be informed any time the crane will operate within these limits.
4. DVR should be provided a 'Certificate of Test and Thorough Examination of Crane' document from the crane rental company.
5. DVR should be provided the crane operators' certifications from their jurisdiction having authority, possibly the, 'National Commission for the Certification of Crane Operators'.
6. DVR should be provided a crane specification document which defines the specifics of the on-site crane: mast height, boom length, height under hook, type of crane, counter ballast, safe working load limits, etc.
7. Mast should have aviation lighting
8. Cab should be locked when not in use
9. Swing limit alarms need to be set-up, followed and tested periodically for correct operating parameters and alarm function.

10. Visual flags/markers should be placed on the ground serving to physically define the area where swing cannot encroach. Please add any additional concerns anyone may have, and I will relay any recommendations Mr. Allen may have.

Best regards,
Mike

Michael Renz
Lift Maintenance Manager
T 435-615-6359
<image002.png>
deervalley.com
#skithedifference

From: Garrett Lang (DV) <glang@deervalley.com>
Sent: Thursday, August 10, 2023 1:28 PM
To: James Bell <JBell@smcco.biz>
Cc: Carder (EWP) Lamb <clamb@ewpartners.com>; Steve Graff (DV) <sgraff@deervalley.com>; Hannah Tyler (DV) <htyler@deervalley.com>; Mike Renz (DV) <mrenz@deervalley.com>; Roger Charter <rcharter@compassequipment.com>; Ray Bellamy <rbellamy@compassequipment.com>; Mark Fierst <MFierst@smcco.biz>; Branden Whitman <bwhitman@smcco.biz>
Subject: Re: Deer Valley - Construction Crane Proximity to Terminal

Hi James,

Upon more detailed review, we decided it was more appropriate for Deer Valley to submit. We will keep everyone on this thread CC'd, so any questions can be answered by the group as needed.

And thanks for the update on the power.

Thanks,

Garrett Lang
Director of Mountain Operations
T 435-615-6217
C 607-329-2871
<image002.png>
deervalley.com
#skithedifference

From: James Bell <JBell@smcco.biz>
Sent: Wednesday, August 9, 2023 6:12 PM
To: Garrett Lang (DV) <glang@deervalley.com>
Cc: Carder (EWP) Lamb <clamb@ewpartners.com>; Steve Graff (DV) <sgraff@deervalley.com>; Hannah Tyler (DV) <htyler@deervalley.com>; Mike Renz (DV) <mrenz@deervalley.com>; Roger Charter <rcharter@compassequipment.com>; Ray Bellamy <rbellamy@compassequipment.com>; Mark Fierst <MFierst@smcco.biz>; Branden Whitman <bwhitman@smcco.biz>
Subject: Re: Deer Valley - Construction Crane Proximity to Terminal

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Garrett,

I tagged the crane team on this email. We'll work with them to submit an exemption. Will you please provide the information that we need to submit so that we can begin compiling it?

As for the electrical, we're on track to complete everything and have power back on by the end of September.

Thanks

James Bell

...
[Message clipped] [View entire message](#)

One attachment • Scanned by Gmail

FOR PRELIMINARY REVIEW/ CUSTOMER APPROVAL

TOWER CRANES

FOOTING

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER DESIGN AND CONSTRUCTION OF THE TOWER CRANE FOOTING, OBSERVING ALL LOCAL, STATE, AND FEDERAL CODES.
2. THE TOWER CRANE FOOTING SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED WITH THE LOCAL JURISDICTION. THE ENGINEER SHALL ACCOMMODATE PROJECT SPECIFIC CONDITIONS SUCH AS ALLOWABLE SOIL BEARING PRESSURE, SETTLEMENT, AND WATER TABLE INFLUENCE. CONCRETE STRENGTH SHALL BE A MINIMUM OF 4500 PSI BEFORE ERECTION OF THE TOWER CRANE.
3. COMPASS EQUIPMENT SHALL PROVIDE MANUFACTURER'S ANCHOR DETAILS ALONG WITH FORCES AT THE BASE AND MOMENT FORCES FOR IN-SERVICE AND OUT-OF-SERVICE CONDITIONS BASED ON LOCAL WIND REGION AND BUILDING CODES, IN ACCORDANCE WITH THE INITIAL CONFIGURATION OF THE CRANE FOR INSTALLATION.
4. CRANE MANUFACTURER SUPPLIED LOADING CALCULATIONS DO NOT INCLUDE SEISMIC CALCULATIONS. AS REQUIRED BY LOCAL JURISDICTION, SITE SPECIFIC SEISMIC LOADING SHALL BE CALCULATED BY A THIRD PARTY ENGINEER IN COOPERATION WITH CONTRACTOR'S SOILS REPORTS AND/OR LOCAL CODES.
5. PER USDOL OSHA 1926(b)(4)(i): THE CONTROLLING ENTITY RESPONSIBLE FOR THE INSTALLATION OF THE FOUNDATIONS AND STRUCTURAL SUPPORTS MUST SUPPLY A LETTER TO THE AID DIRECTOR STATING THAT THE TOWER CRANE FOUNDATIONS AND STRUCTURAL SUPPORTS ARE INSTALLED IN ACCORDANCE WITH THEIR DESIGN, PRIOR TO CRANE ERECTION.
6. THE FOUNDATION ANCHORS SHALL BE SECURED TO THE TOWER SECTION AND HELD PLUMB AND SECURE TO A TOLERANCE OF VERTICALLY WHILE THE FOUNDATION IS BEING CONSTRUCTED AND CURING. FAILURE TO FOLLOW THIS PROCEDURE COULD RESULT IN MISALIGNMENT OF THE TOWER CRANE AND COSTLY MEASURES.

CONTRACTS

1. ALL CONTRACTS SUPERCEDE ANY DEVIATIONS BETWEEN THIS DRAWING SET AND THE CONTRACT DOCUMENT.
2. THE CONTRACTOR IS RESPONSIBLE FOR A FULL REVIEW OF THE EQUIPMENT APPLICATION DETAILS AND PROCEDURES OUTLINED HEREIN TO DETERMINE IF ADJUSTMENTS ARE NEEDED TO ADHERE TO THE PROJECT'S CONSTRUCTION METHODS, SCHEDULES, AND SITE CONDITIONS. VERIFICATIONS SHOULD BE MADE WELL IN ADVANCE OF THE ERECTION OF EQUIPMENT IN ORDER TO PREVENT DELAYS RESULTING FROM ERECTION AND CONSTRUCTION.
3. THE CONTRACTOR IS TO VERIFY THE PRELIMINARY DRAWING AND NOTIFY COMPASS EQUIPMENT TO ISSUE "FOR CONSTRUCTION" DRAWINGS. IF NO NOTIFICATION IS RECEIVED WITHIN 10 DAYS FROM THE ISSUE DATE, PRELIMINARY DRAWING SETS MAY BE ISSUED "FOR CONSTRUCTION".
4. THESE DRAWINGS CONTAIN IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS THAT ARE TO BE USED ONLY FOR THE SPECIFIED PROJECT AND SITE, AND ARE OWNED BY AND THE PROPERTY OF COMPASS EQUIPMENT. NONE OF THE IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS CONTAINED HEREIN ARE TO BE REPRODUCED OR COPIED IN WHOLE OR PART OR DISCLOSED TO ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT EXPRESS WRITTEN PERMISSION. THESE DRAWINGS ARE TO BE RETURNED UPON REQUEST.

ATTACHMENT TO STRUCTURE

1. COMPASS EQUIPMENT IS RESPONSIBLE TO SUPPLY THE FOLLOWING:
 - 1.1. TIE-IN COLLARS
 - 1.2. INNER TOWER BRACING
 - 1.3. TIE-IN STRUTS
 - 1.4. FLOOR SHOES WITH BACKING PLATES
 - 1.5. TIE-IN DESIGN AND DETAILS
 - 1.6. REACTIONS AND FORCES TO THE STRUCTURE AT TIE-IN LOCATIONS
2. CONTRACTOR SHALL PROVIDE:
 - 2.1. SITE SURVEYOR FOR ENSURING PLUMBNESS OF TOWER
 - 2.2. EMBEDS IN FLOOR SLAB
 - 2.3. BOLTS FOR FLOOR SHOES IF SLAB IS THICKER THAN 10"
 - 2.4. CROSSOVER BRIDGE FOR OPERATOR(S)
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THE STRUCTURE IS CAPABLE OF SUSTAINING THE FORCES GENERATED BY THEE TOWER CRANE AT TIE-IN LOCATIONS.
4. THE CRANE TOWER MUST BE PLUMB WITHIN $\frac{1}{300}$ DURING THE TIE-IN INSTALLATION AND DISMANTLEMENT PROCEDURES.
5. A SAFE ZONE SHALL BE ESTABLISHED AND MAINTAINED DURING ALL TOP CLIMBING PROCEDURES.

SIGNAGE

1. THE PRESENCE OF ADVERTISING PLATES (SIGNS) CREATES AN ADDITIONAL SURFACE EXPOSED TO THE WIND WHICH WILL MODIFY CRANE BEHAVIOR.
2. SIGNAGE SHALL BE NO LARGER THAN SQUARE FOOTAGE DICTATED IN THE OPERATIONS MANUAL.
3. ONE SIGN MAY BE ATTACHED TO ONE OR BOTH SIDES OF THE COUNTER JIB NEAREST THE SLEWING PORTION OF THE CRANE IN ACCORDANCE WITH DIMENSIONS PROVIDED IN THE OPERATIONS MANUAL.
4. SIGNS SHALL NOT BE ATTACHED TO HAND RAILINGS
5. SIGNS SHALL NOT BE ATTACHED TO CRANE TOWER SECTIONS OR TOWER TOP.
6. SIGNS SHALL NOT BE ATTACHED TO CRANE JIB SECTIONS
7. SIGNS SHALL NOT AFFECT THE NORMAL SAFE OPERATION OF THE CRANE. IF THE OPERATOR IS UNABLE TO SAFELY OPERATE THE CRANE FOR ITS NORMAL INTENDED OPERATION, THE SIGN(S) SHALL BE REMOVED.
8. SEE DETAIL BELOW FOR SIGN ATTACHMENT LOCATION EXAMPLES.

TOWER CRANE OPERATION

1. IN-OPERATION WIND SPEED RESTRICTIONS ARE FOUND IN THE OPERATIONS MANUAL. IF WIND SPEEDS EXCEED, OR ARE ANTICIPATED TO EXCEED THE RESTRICTION, THE TOWER CRANE SHALL BE PLACED OUT OF OPERATION AND ALLOWED TO WEATHERVANE 360 DEGREES.
2. THE CONTRACTOR IS TO VERIFY THAT THE TOWER CRANE MAY OPERATE AND/OR WEATHERVANE OVER ADJACENT PROPERTY, EXISTING BUILDINGS, POWER LINES, STREETS, NEIGHBORING OBSTACLES, ETC.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO STARTING WORK. ANY DEVIATIONS FROM THIS DRAWING SET SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF COMPASS EQUIPMENT.
4. ALL HOOK HEIGHTS ARE CALCULATED FROM THE TOP OF THE TOWER CRANES FOOTING
5. FOR PROJECTS WITH MULTIPLE TOWER CRANES, WHEN SLEWING THE UPPER CRANE, THE HOOK BLOCK MUST BE POSITIONED SO IT WILL CLEAR THE LOWER CRANE
6. CONSULT THE OPERATION MANUAL FOR ADDITION INFORMATION PURPOSES.
7. DRAWINGS SHOULD ONLY BE SCALED FOR ESTIMATION PURPOSES. SCALED DIMENSIONS SHOULD BE VERIFIED IN FIELD.
8. PER USDOL OSHA 1926.1417(A): "THE EMPLOYER MUST COMPLY WITH ALL MANUFACTURERS PROCEDURES APPLICABLE TO THE OPERATIONAL FUNCTIONS OF THE EQUIPMENT, INCLUDING ITS USE WITH ATTACHMENTS."

ELECTIRCAL

1. THE TOWER CRANE MUST BE GROUNDED PRIOR TO ERECTION. GROUND THE TOWER CRANE BY LINKING TO A GROUNDING ROD WITH A GROUNDING CONDUCTOR.
2. GROUNDING CONDUCTORS SHALL BE IN ACCORDANCE WITH LOCAL ELECTRICAL BUILDING CODE.
3. GROUNDING ROD DIAMETER AND LENGTH SHALL BE IN ACCORDANCE WITH LOCAL ELECTRICAL BUILDING CODE.
4. SURGE DIVERTERS MAY BE INSTALLED AT THE SITE JUNCTION BOXES TO PROTECT ELECTRICAL EQUIPMENT ON SITE.
5. PERMANENT ON-SITE FIXTURES SUCH AS EQUIPMENT, MACHINES, METAL PIPES, ETC. WITHIN 65 FEET OF THE TOWER CRANE MUST BE COMMONLY GROUNDED WITH THE CRANE TOWER.
6. 480 VAC, 3-PHASE, 60 HZ DEDICATED POWER IS REQUIRED ALONG WITH A FUSED DISCONNECT AT THE BASE OF THE CRANE. THE AMPERAGE RATING FOR THE DISCONNECT WILL BE DETERMINED PRIOR TO CRANE INSTALLATION. THE USE OF OPEN DELTA TRANSFORMERS ARE PROHIBITED.

WARNING: ELECTRICAL INSTALLATION AND CONNECTION WORK MUST BE COMPLETED BY QUALIFIED PERSONS, AND MUST COMPLY WITH ALL RELEVANT LOCAL, STATE, AND FEDERAL RULES, REGULATIONS, AND CODES. THE TOWER CRANE'S ELECTRICAL SYSTEM MUST BE PROPERLY GROUNDED PRIOR TO ERECTION TO PROTECT PERSONNEL FROM THE DANGER OF ELECTRICAL SHOCK. FAILURE TO FOLLOW THESE INSTRUCTIONS IS EXTREMELY DANGEROUS AND COULD LEAD TO AN ACCIDENT RESULTING IN PROPERTY DAMAGE, SERIOUS INJURY, OR LOSS OF LIFE.



ISSUE PURPOSE:	PRELIMINARY
DRAWN BY:	LRP
CHECKED BY:	Checker
DATE:	
JOB NUMBER:	XXXXX

SHEET CONTENTS
General Notes

SHEET NUMBER

CE.099

SCALE:

**FOR PRELIMINARY REVIEW/
CUSTOMER APPROVAL**

POTAIN MD569
 262' JIB
 176' HUH
 P800B US ANCHORS
 11 - KRMT849A

PER C102 - LEVEL 3
 ELEVATION @ 7114.0'

TOP OF CRANE
 FOOTING SHOWN AT -
 7095.25'



WE INVEST IN
YOUR SUCCESS

FOUNDER'S PLACE PHASE II
 SMC
 Park City, UT

**Not for
Construction
FOR
PRELIMINARY
REVIEW/
CUSTOMER
APPROVAL**

REVISION		
ISSUE	DATE	INITIAL
1		
2		
3		
4		
5		
6		

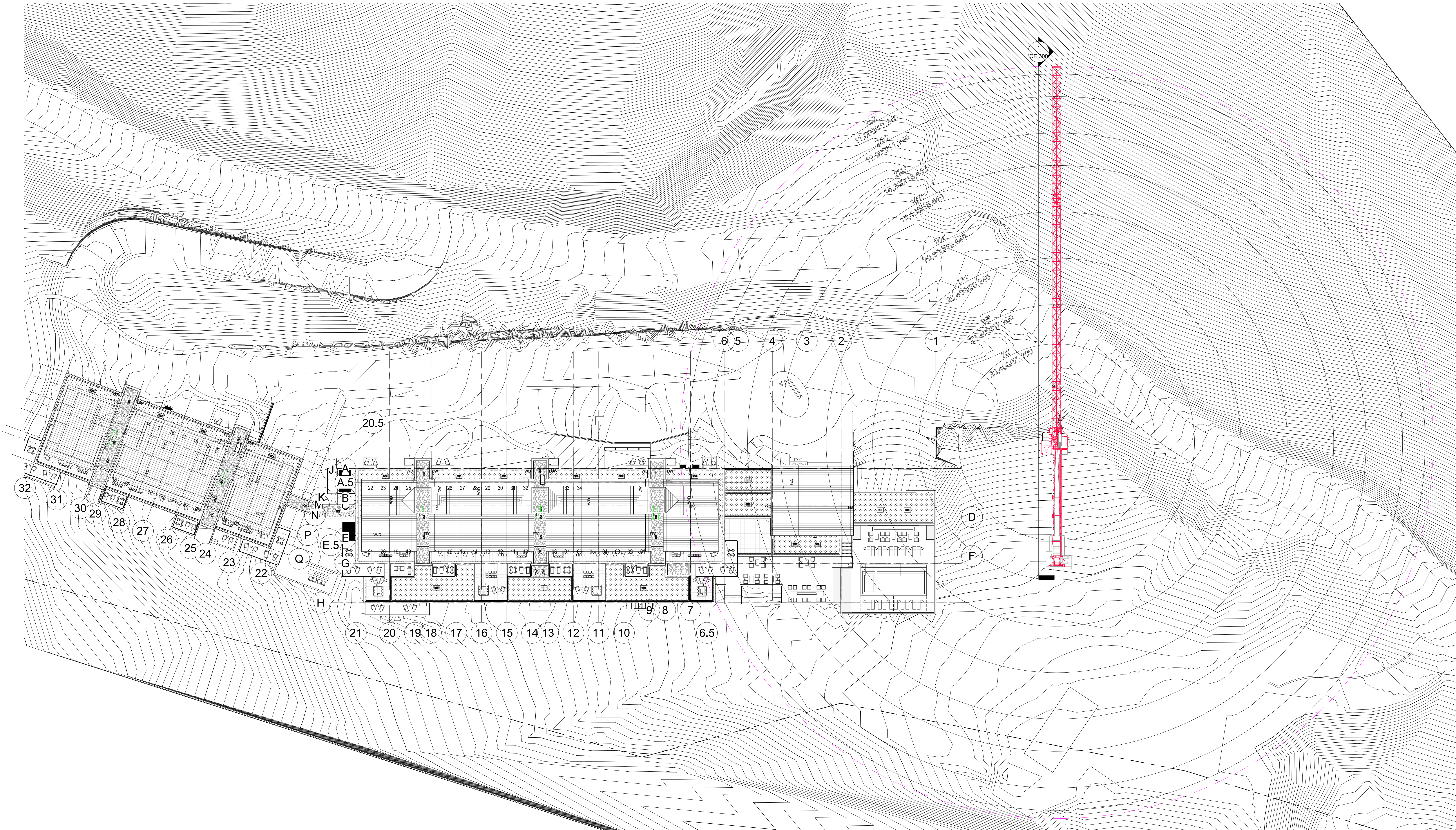
ISSUE: PRELIMINARY
 DRAWN BY: LRP
 CHECKED BY: Checker
 DATE:
 JOB NUMBER: XXXXX
 SHEET CONTENTS

**262ft Jib
Crane Plan**

SHEET NUMBER

CE.100

SCALE: 1" = 30'-0"



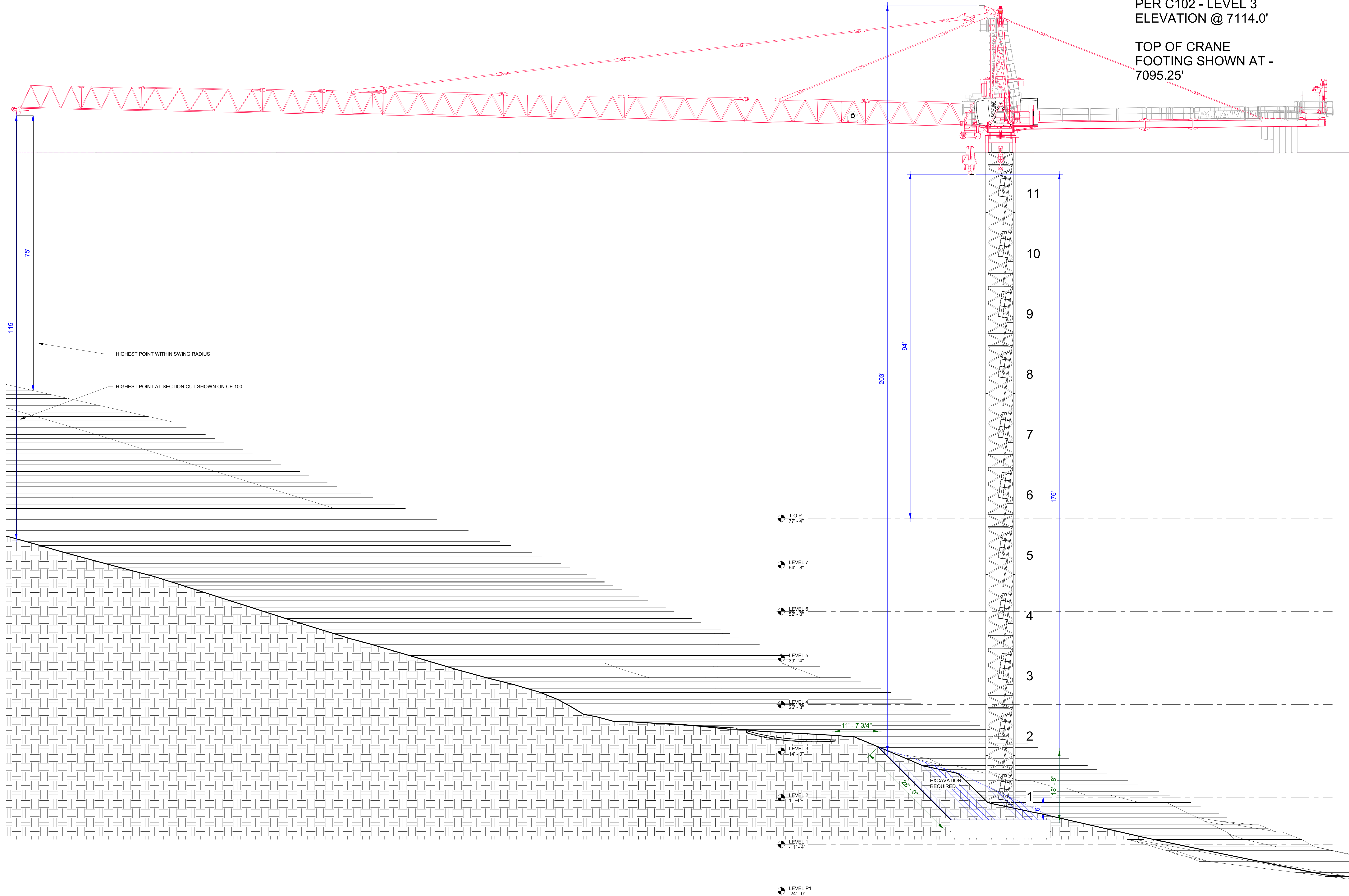
1 Site Plan
1" = 30'-0"

**FOR PRELIMINARY REVIEW/
CUSTOMER APPROVAL**

POTAIN MD569
262' JIB
176' HUH
P800B US ANCHORS
11 - KRMT849A

PER C102 - LEVEL 3
ELEVATION @ 7114.0'

TOP OF CRANE
FOOTING SHOWN AT -
7095.25'



Crane Section Position 2
1" = 10'-0"



WE INVEST IN
YOUR SUCCESS

FOUNDER'S PLACE PHASE II

SMC
Park City, UT

Not for
Construction

REVISION		
ISSUE	DATE	INITIAL
1		
2		
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ISSUE: PRELIMINARY
PURPOSE: LRP
DRAWN BY:
CHECKED BY:
DATE:
JOB NUMBER: XXXXX
SHEET CONTENTS

262 ft Jib
Section

SHEET NUMBER

CE.300

SCALE: 1" = 10'-0"

**Utah Passenger Ropeway Safety Committee Meeting
Agenda Fact Sheet**

Meeting Date: 1-22-24

Agenda Item: 3

Subject: Forest Service / Area & Manufacturer Updates

Background:

Exhibits:

Committee Action Requested:

**Utah Passenger Ropeway Safety Committee Meeting
Agenda Fact Sheet**

Meeting Date: 1-22-24

Agenda Item: 4

Subject: Safety Topic / Open Discussion / Questions

Background:

Exhibits:

Committee Action Requested: