

# Occupational Safety and Health Standards Board

Public Meeting and Business Meeting

**June 16, 2022**

Cal/EPA Building  
Byron Sher Auditorium  
1001 I Street  
Sacramento, California

AND

Via teleconference / videoconference

# Occupational Safety and Health Standards Board

## Meeting Agenda

DEPARTMENT OF INDUSTRIAL RELATIONS  
Occupational Safety and Health Standards Board  
2520 Venture Oaks Way, Suite 350  
Sacramento, CA 95833  
Tel: (916) 274-5721 Fax: (916) 274-5743  
[www.dir.ca.gov/oshsb](http://www.dir.ca.gov/oshsb)



MISSION STATEMENT

*The mission of the Occupational Safety and Health Standards Board is to promote, adopt, and maintain reasonable and enforceable standards that will ensure a safe and healthful workplace for California workers.*

AGENDA

PUBLIC MEETING AND BUSINESS MEETING  
OF THE OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD

**June 16, 2022 at 10:00 a.m.**

**Attend the meeting in person:**

Cal/EPA Building  
Byron Sher Auditorium  
1001 I Street  
Sacramento, CA 95814

**Attend the meeting via Video-conference:**

1. Go to [www.webex.com](http://www.webex.com)
2. Select "Join"
3. Enter the meeting information: **268 984 996**
4. Enter your name and email address then click "Join Meeting"
5. Video-conference will be opened to the public at 9:50 a.m.

**Attend the meeting via Teleconference:**

1. Dial (844) 992-4726
2. When prompted, enter **268-984-996**
3. When prompted for an Attendee ID, press #
4. Teleconference will be opened to the public at 9:50 a.m.

**Live video stream and audio stream (English and Spanish):**

1. Go to <https://videobookcase.com/california/oshsb/>
2. Video stream and audio stream will launch as the meeting starts at 10:00 a.m.

**Public Comment Queue:**

Those attending the meeting remotely who wish to comment on agenda items may submit a request to be added to the public comment queue either in advance of or during the meeting through one of the following methods:

**ONLINE:** Provide your information through the online comment queue portal at <https://videobookcase.org/oshsb/public-comment-queue-form/>

**PHONE:** Call **510-868-2730** to access the automated comment queue voicemail and provide\*:  
1) your name as you would like it listed; 2) your affiliation or organization; and 3) the topic you would like to comment on.

*\*Information requested is voluntary and not required to address the Board.*

I. **CALL TO ORDER AND INTRODUCTIONS**

II. **PUBLIC MEETING (Open for Public Comment)**

This portion of the Public Meeting is open to any interested person to propose new or revised standards to the Board or to make any comment concerning occupational safety and health (Labor Code section 142.2). *The Board is not permitted to take action on items that are not on the noticed agenda, but may refer items to staff for future consideration.*

This portion of the meeting is also open to any person who wishes to address the Board on any item on today's Business Meeting Agenda (Government Code (GC) section 11125.7).

Any individual or group wishing to make a presentation during the Public Meeting is requested to contact Sarah Money, Executive Assistant, at (916) 274-5721 in advance of the meeting so that any logistical concerns can be addressed.

A. PUBLIC COMMENT

B. ADJOURNMENT OF THE PUBLIC MEETING

III. **BUSINESS MEETING – All matters on this Business Meeting agenda are subject to such discussion and action as the Board determines to be appropriate.**

The purpose of the Business Meeting is for the Board to conduct its monthly business.

A. PROPOSED PETITION DECISION FOR ADOPTION

1. Praveen Penmetsa  
Jake Winters  
[Petition File No. 596](#)

Petitioner requests to amend section 3441(b) to permit the use of highly automated and autonomous agricultural equipment. The proposed amendment would allow for the use of driver optional tractors without a human operator stationed at the vehicular controls within a strict set of safety guidelines.

B. PROPOSED VARIANCE DECISIONS FOR ADOPTION

1. [Consent Calendar](#)

## C. REPORTS

1. Division Update
2. Legislative Update
3. Executive Officer's Report

## D. NEW BUSINESS

1. Future Agenda Items

Although any Board Member may identify a topic of interest, the Board may not substantially discuss or take action on any matter raised during the meeting that is not included on this agenda, except to decide to place the matter on the agenda of a future meeting. (GC sections 11125 & 11125.7(a).).

## E. CLOSED SESSION

Matters on Appeal

1. 22-V-054T Operating Engineers Local 3, District 80

Matters Pending Litigation

1. Western States Petroleum Association (WSPA) v. California Occupational Safety and Health Standards Board (OSHSB), et al. United States District Court (Eastern District of California) Case No. 2:19-CV-01270
2. WSPA v. OSHSB, et al., County of Sacramento, CA Superior Court Case No. 34-2019-00260210

Personnel

## F. RETURN TO OPEN SESSION

1. Report from Closed Session

## G. ADJOURNMENT OF THE BUSINESS MEETING

**Next Meeting:** July 21, 2022  
County Administration Center  
Room 310  
1600 Pacific Highway  
San Diego, CA 92101  
10:00 a.m.

**CLOSED SESSION**

1. If necessary, consideration of personnel matters. (GC section 11126(a)(1)).
2. If necessary, consideration of pending litigation pursuant to GC section 11126(e)(1).

**PUBLIC COMMENT**

Efforts will be made to accommodate each individual who has signed up to speak. However, given time constraints, there is no guarantee that all who have signed up will be able to address the State body.

Each speaker is invited to speak for up to two minutes. The Board Chair may extend the speaking time allotted where practicable.

The total time for public comment is 120 minutes, unless extended by the Board Chair.

The public can speak/participate at the meetings before items that involve decisions.

In addition to public comment during Public Hearings, the Occupational Safety and Health Standards Board (Board) affords an opportunity to members of the public to address the Board on items of interest that are either on the Business Meeting agenda, or within the Board's jurisdiction but are not on the noticed agenda, during the Public Meeting. The Board is not permitted to take action on items that are not on the noticed agenda, but may refer items to staff for future consideration. The Board reserves the right to limit the time for speakers

**DISABILITY ACCOMMODATION NOTICE**

Disability accommodation is available upon request. Any person with a disability requiring an accommodation, auxiliary aid or service, or a modification of policies or procedures to ensure effective communication and access to the public hearings/meetings of the Occupational Safety and Health Standards Board should contact the Disability Accommodation Coordinator at (916) 274-5721 or the state-wide Disability Accommodation Coordinator at 1-866-326-1616 (toll free). The state-wide Coordinator can also be reached through the California Relay Service, by dialing 711 or 1-800-735-2929 (TTY) or 1-800-855-3000 (TTY-Spanish).

Accommodations can include modifications of policies or procedures or provision of auxiliary aids or services. Accommodations include, but are not limited to, an Assistive Listening System (ALS), a Computer-Aided Transcription System or Communication Access Realtime Translation (CART), a sign-language interpreter, documents in Braille, large print or on computer disk, and audio cassette recording. Accommodation requests should be made as soon as possible. Requests for an ALS or CART should be made no later than five (5) days before the meeting.

**TRANSLATION**

Requests for translation services should be made no later than five (5) days before the meeting.

NOTE: Written comments may be emailed directly to [oshsb@dir.ca.gov](mailto:oshsb@dir.ca.gov) no later than 5:00 p.m. on the Tuesday prior to a scheduled Board Meeting.

Under GC section 11123, subdivision (a), all meetings of a state body are open and public, and all persons are permitted to attend any meeting of a state body, except as otherwise provided in that article. The Board Chair may adopt reasonable time limits for public comments in order to ensure that the purpose of public discussion is carried out. (GC section 11125.7, subd. (b).)

Members of the public who wish to participate in the meeting may do so via livestream on our website at <https://videobookcase.com/california/oshsb/>. The video recording and transcript of this meeting will be posted on our website as soon as practicable.

For questions regarding this meeting, please call (916) 274-5721.

# Occupational Safety and Health Standards Board

## Meeting Notice



DEPARTMENT OF INDUSTRIAL RELATIONS  
Occupational Safety and Health Standards Board  
2520 Venture Oaks Way, Suite 350  
Sacramento, CA 95833  
Tel: (916) 274-5721 Fax: (916) 274-5743  
[www.dir.ca.gov/oshsb](http://www.dir.ca.gov/oshsb)



NOTICE OF PUBLIC MEETING AND BUSINESS MEETING  
OF THE OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD

Pursuant to Government Code Section 11346.4 and the provisions of Labor Code Sections 142.1, 142.2, 142.3, 142.4, and 144.6, the Occupational Safety and Health Standards Board of the State of California has set the time and place for a Public Meeting and Business Meeting:

**PUBLIC MEETING:** On **June 16, 2022**, at 10:00 a.m.  
in the Byron Sher Auditorium of the Cal/EPA Building  
1001 I Street, Sacramento, California

as well as via the following:

- Video-conference at [www.webex.com](http://www.webex.com) (meeting ID 268 984 996)
- Teleconference at (844) 992-4726 (Access code 268 984 996)
- Live video stream and audio stream (English and Spanish) at <https://videobookcase.com/california/oshsb/>

At the Public Meeting, the Board will make time available to receive comments or proposals from interested persons on any item concerning occupational safety and health.

**BUSINESS MEETING:** On **June 16, 2022**, at 10:00 a.m.  
in the Byron Sher Auditorium of the Cal/EPA Building  
1001 I Street, Sacramento, California

as well as via the following:

- Video-conference at [www.webex.com](http://www.webex.com) (meeting ID 268 984 996)
- Teleconference at (844) 992-4726 (Access code 268 984 996)
- Live video stream and audio stream (English and Spanish) at <https://videobookcase.com/california/oshsb/>

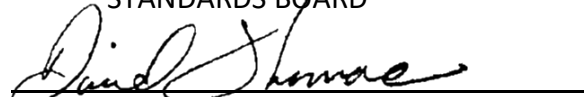
At the Business Meeting, the Board will conduct its monthly business.

**DISABILITY ACCOMMODATION NOTICE:** Disability accommodation is available upon request. Any person with a disability requiring an accommodation, auxiliary aid or service, or a modification of policies or procedures to ensure effective communication and access to the public hearings/meetings of the Occupational Safety and Health Standards Board should contact the Disability Accommodation Coordinator at (916) 274-5721 or the state-wide Disability Accommodation Coordinator at 1-866-326-1616 (toll free). The state-wide Coordinator can also be reached through the California Relay Service, by dialing 711 or 1-800-735-2929 (TTY) or 1-800-855-3000 (TTY-Spanish).

Accommodations can include modifications of policies or procedures or provision of auxiliary aids or services. Accommodations include, but are not limited to, an Assistive Listening System (ALS), a Computer-Aided Transcription System or Communication Access Realtime Translation (CART), a

sign-language interpreter, documents in Braille, large print or on computer disk, and audio cassette recording. Accommodation requests should be made as soon as possible. Requests for an ALS or CART should be made no later than five (5) days before the hearing.

OCCUPATIONAL SAFETY AND HEALTH  
STANDARDS BOARD



DAVE THOMAS, Chairman

# Occupational Safety and Health Standards Board

## Business Meeting

# Occupational Safety and Health Standards Board

**Business Meeting  
Petition 596**

STATE OF CALIFORNIA  
DEPARTMENT OF INDUSTRIAL RELATIONS  
OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
2520 Venture Oaks Way, Suite 350  
Sacramento, California 95833  
(916) 274-5721

In the Matter of a Petition by:

Praveen Penmetsa & Jake Winters )  
Monarch Tractor ) **PETITION FILE NO. 596**  
203 Lawrence Drive, Suite A )  
Livermore, CA 94568 )  
 )  
 )  
\_\_\_\_\_ Applicant. )

The Occupational Safety and Health Standards Board hereby adopts the attached  
PROPOSED DECISION.

OCCUPATIONAL SAFETY AND HEALTH  
STANDARDS BOARD

\_\_\_\_\_  
DAVID THOMAS, Chairman

\_\_\_\_\_  
BARBARA BURGEL, Member

\_\_\_\_\_  
KATHLEEN CRAWFORD, Member

\_\_\_\_\_  
DAVE HARRISON, Member

\_\_\_\_\_  
NOLA KENNEDY, Member

\_\_\_\_\_  
CHRIS LASZCZ-DAVIS, Member

\_\_\_\_\_  
LAURA STOCK, Member

By: \_\_\_\_\_  
Christina Shupe, Executive Officer

DATE: June 16, 2022  
Attachments

## **PETITION NO. 596**

Petitioner requests to amend section 3441(b) to permit the use of highly automated and autonomous agricultural equipment. The proposed amendment would allow for the use of driver optional tractors without a human operator stationed at the vehicular controls within a strict set of safety guidelines.

### **HYPERLINKS TO PETITION NO. 596 DOCUMENTS:**

**[PROPOSED PETITION DECISION](#)**

**[BOARD STAFF EVALUATION](#)**

**[CAL/OSHA EVALUATION](#)**

**[ORIGINAL PETITION \(RECEIVED 12/20/21\)](#)**

# Occupational Safety and Health Standards Board

**Business Meeting**

**Proposed Variance Decisions**

**CONSENT CALENDAR—PROPOSED VARIANCE DECISIONS  
JUNE 16, 2022, MONTHLY BUSINESS MEETING  
OF THE OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

**PROPOSED DECISIONS FOR BOARD CONSIDERATION, HEARD ON May 25, 2022**

<b>Docket Number</b>	<b>Applicant Name</b>	<b>Safety Order(s) at Issue</b>	<b>Proposed Decision Recommendation</b>
1. 15-V-322M1	SPUS9 237 at First Street, L.P.	Elevator	GRANT
2. 18-V-086M1	Next Century Partners, LLC	Elevator	GRANT
3. 18-V-087M1	Next Century Partners, LLC	Elevator	GRANT
4. 18-V-088M1	Next Century Partners, LLC	Elevator	GRANT
5. 18-V-457M1	SPUS9 237 at First Street, L.P.	Elevator	GRANT
6. 19-V-150M1	1999 Stars LLC	Elevator	GRANT
7. 19-V-355M1	1999 Stars LLC	Elevator	GRANT
8. 20-V-434M1	Grant Street LLC	Elevator	GRANT
9. 20-V-464M1	6th and Olive, LLC	Elevator	GRANT
10. 21-V-602M1	Mark A. Almeida Living Trust	Elevator	GRANT
11. 21-V-636	Frank Busalacchi Jr	Elevator	GRANT
12. 21-V-667	State of California Department of General Services	Elevator	GRANT
13. 21-V-684	Sierra Joint Community College District	Elevator	GRANT
14. 22-V-017	Target Corporation	Elevator	GRANT
15. 22-V-018	Target Corporation	Elevator	GRANT
16. 22-V-019	Target Corporation	Elevator	GRANT
17. 22-V-020	Target Corporation	Elevator	GRANT
18. 22-V-021	Target Corporation	Elevator	GRANT
19. 22-V-022	Target Corporation	Elevator	GRANT
20. 22-V-039	DRI/CA 800 Broadway Property Owner, LLC	Elevator	GRANT



<b>Docket Number</b>	<b>Applicant Name</b>	<b>Safety Order(s) at Issue</b>	<b>Proposed Decision Recommendation</b>
21. 22-V-040	CHF (Irvine) LLC	Elevator	GRANT
22. 22-V-043	Emanate Health	Elevator	GRANT
23. 22-V-064	Vallejo PSH, L.P.	Elevator	GRANT
24. 22-V-074	Continental Rose-Doug LLC	Elevator	GRANT
25. 22-V-075	STC Venture Block 3RWS, LLC	Elevator	GRANT
26. 22-V-078	Chiles Owner, LLC	Elevator	GRANT
27. 22-V-079	SHP VI MS San Jose, LLC	Elevator	GRANT
28. 22-V-090	Fedora Flats, LLC	Elevator	GRANT
29. 22-V-091	Emanate Health	Elevator	GRANT
30. 22-V-092	Community Youth Center of San Francisco	Elevator	GRANT
31. 22-V-093	West Broadway 2019 Investments LLC	Elevator	GRANT
32. 22-V-094	City of Santa Monica	Elevator	GRANT
33. 22-V-095	PHOTA Sacramento LLC	Elevator	GRANT
34. 22-V-096	CHF-Davis II, LLC	Elevator	GRANT
35. 22-V-097	CHF-Davis II, LLC	Elevator	GRANT
36. 22-V-098	CHF-Davis II, LLC	Elevator	GRANT
37. 22-V-099	CHF-Davis II, LLC	Elevator	GRANT
38. 22-V-100	CHF-Davis II, LLC	Elevator	GRANT
39. 22-V-101	CHF-Davis II, LLC	Elevator	GRANT
40. 22-V-102	888 4th Street, LLC	Elevator	GRANT
41. 22-V-103	3511 East 12th St LP	Elevator	GRANT
42. 22-V-104	Embark Apartments LP	Elevator	GRANT
43. 22-V-105	Foundry31 LLC	Elevator	GRANT
44. 22-V-106	Sacramento 695, LP	Elevator	GRANT

<b>Docket Number</b>	<b>Applicant Name</b>	<b>Safety Order(s) at Issue</b>	<b>Proposed Decision Recommendation</b>
45. 22-V-107	Templeton Place II LP	Elevator	GRANT
46. 22-V-108	Liv Lux Properties 3 LLC	Elevator	GRANT
47. 22-V-109	2028 Bancroft Way, LLC	Elevator	GRANT
48. 22-V-110	Poets Corner Place LLC	Elevator	GRANT
49. 22-V-111	Carlsbad 17, LP	Elevator	GRANT
50. 22-V-112	University of California Irvine	Elevator	GRANT
51. 22-V-113	303 Baldwin LP	Elevator	GRANT
52. 22-V-114	Aventino Villas LLC	Elevator	GRANT
53. 22-V-115	Mainplace MF 1, LLC	Elevator	GRANT
54. 22-V-116	Mainplace MF 1, LLC	Elevator	GRANT
55. 22-V-118	KR Oyster Point II, LLC	Elevator	GRANT
56. 22-V-119	KR Oyster Point II, LLC	Elevator	GRANT
57. 22-V-120	KR Oyster Point II, LLC	Elevator	GRANT
58. 22-V-121	R&S Ashby LLC	Elevator	GRANT
59. 22-V-122	Riverglen Phase II, LLC	Elevator	GRANT
60. 22-V-123	Sonoma County Junior College District	Elevator	GRANT
61. 22-V-124	Sonoma County Junior College District	Elevator	GRANT
62. 22-V-125	110 South Boyle L.P.	Elevator	GRANT
63. 22-V-126	Claremont Graduate University	Elevator	GRANT
64. 22-V-127	475 South Lake Avenue LLC	Elevator	GRANT
65. 22-V-128	ARE-SD Region No. 72, LLC	Elevator	GRANT
66. 22-V-129	Montshire LLC	Elevator	GRANT
67. 22-V-130	Vallejo PSH, L.P.	Elevator	GRANT
68. 22-V-131	KR Private Properties L.A., LLC	Elevator	GRANT

<b>Docket Number</b>	<b>Applicant Name</b>	<b>Safety Order(s) at Issue</b>	<b>Proposed Decision Recommendation</b>
69. 22-V-133	Simi Valley Pacific Associates, LP	Elevator	GRANT

STATE OF CALIFORNIA  
DEPARTMENT OF INDUSTRIAL RELATIONS  
OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
2520 Venture Oaks Way, Suite 350  
Sacramento, California 95833  
(916) 274-5721

In the Matter of Application to Modify  
Permanent Variance by:

SPUS9 237 at First Street, L.P.

OSHSB File No.: 15-V-322M1  
Proposed Decision Dated: May 26, 2022

DECISION

The Occupational Safety and Health Standards Board hereby adopts the attached  
PROPOSED DECISION by Autumn Gonzalez, Hearing Officer.

\_\_\_\_\_  
DAVID THOMAS, Chairman

\_\_\_\_\_  
BARBARA BURGEL, Member

\_\_\_\_\_  
KATHLEEN CRAWFORD, Member

\_\_\_\_\_  
DAVID HARRISON, Member

\_\_\_\_\_  
NOLA KENNEDY, Member

\_\_\_\_\_  
CHRIS LASZCZ-DAVIS, Member

\_\_\_\_\_  
LAURA STOCK, Member

OCCUPATIONAL SAFETY AND HEALTH  
STANDARDS BOARD

Date of Adoption: June 16, 2022

THE FOREGOING VARIANCE DECISION WAS  
ADOPTED ON THE DATE INDICATED ABOVE.  
IF YOU ARE DISSATISFIED WITH THE  
DECISION, A PETITION FOR REHEARING  
MAY BE FILED BY ANY PARTY WITH THE  
STANDARDS BOARD WITHIN TWENTY (20)  
DAYS AFTER SERVICE OF THE DECISION.  
YOUR PETITION FOR REHEARING MUST  
FULLY COMPLY WITH THE REQUIREMENTS  
OF CALIFORNIA CODE OF REGULATIONS,  
TITLE 8, SECTIONS 427, 427.1 AND 427.2.

Note: A copy of this Decision must be  
posted for the Applicant's employees to  
read, and/or a copy thereof must be  
provided to the employees' Authorized  
Representatives.

BEFORE THE  
OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
DEPARTMENT OF INDUSTRIAL RELATIONS  
STATE OF CALIFORNIA

In the Matter of Application to Modify Permanent Variance by:  SPUS9 237 at First Street, L.P.	OSHSB File No.: 15-V-322M1  <u>PROPOSED DECISION</u>  Hearing Date: May 25, 2022
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A. Subject Matter and Jurisdiction:

1. The above named person or entity (“Applicant”) has applied for a modification of permanent variance from provisions of the Elevator Safety Orders, found at Title 8 of the California Code of Regulations. The subject permanent variance file, and preexisting variance holder of record therein, are as follows:

Preexisting OSHSB File No.	Preexisting Variance Holder of Record
15-V-322	237 North 1st Investors LLC

- B. This proceeding is conducted in accordance with Labor Code section 143, and California Code of Regulations, title 8, section 401, et. seq.

C. Procedural Matters:

1. This hearing was held on May 25, 2022, in Sacramento, California, via teleconference, by Occupational Safety and Health Standards Board (“Board”), with Hearing Officer Autumn Gonzalez, both presiding and hearing the matter on its merit, as a basis of proposed decision to be advanced to the Board for its consideration, in accordance with California Code of Regulations, title 8, section 426.
2. At the hearing, Joanna Mui, appeared on behalf of the Applicant; Mark Wickens and David Morris appeared on behalf of the Division of Occupational Safety and Health (“Division”); and Michael Nelmidia appeared on behalf of Board staff, in a technical advisory role apart from the Board.

3. Documentary and oral evidence was received at the hearing, and by stipulation of all parties, documents were admitted into evidence:

<b>Exhibit Number</b>	<b>Description of Exhibit</b>
PD-1	Application for modification of Permanent Variance
PD-2	OSHSB Notice of Hearing
PD-3	Board Staff Review of Variance Application
PD-4	Division Review of Variance Application
PD-5	Review Draft-1 Proposed Decision

Official notice is taken of the Board's files, records, recordings and decisions concerning the Elevator Safety Order requirements from which variance shall issue. On May 25, 2022, the hearing and record closed, and the matter was taken under submission by the Hearing Officer.

- D. Based on the record of this hearing, the Board makes the following findings of fact:

1. The Applicant requests modification of the variance holder specified within Board records for each elevator the subject of previously granted Permanent Variance No. 15-V-322.
2. Application Section 3, declared to be wholly truthful under penalty of perjury by Application signatory, states that the person or entity named in Application Section 1, SPUS9 237 at First Street, L.P., became the owner of the conveyance(s) subject to the existing variance referenced in Application Section 2, as the term conveyance owner is defined per California Code of Regulations, Title 8, Section 403(o).
3. The Division has evaluated the request for modification of person or entity of record holding Permanent Variance No. 15-V-322, finds no issue with it, and recommends that the application for modification be granted subject to the same conditions of the Decision and Order in OSHSB Permanent Variance File No. 15-V-322.
4. The Board finds the Application Section 3, declaratory statements of the Applicant signatory to be credible, uncontroverted, and consistent with available, sufficient facts, and of no bearing as to the finding of equivalent occupational health and safety upon which, in substantial part, grant of preexisting Permanent Variance No. 15-V-322 based.
5. The Board finds the current person or entity having custody of each elevator the subject of Permanent Variance No. 15-V-322 to be in fact:

SPUS9 237 at First Street, L.P.

E. Decision and Order:

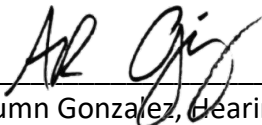
1. Variance application 15-V-322M1 is conditionally GRANTED, as specified below, such that, within Board records, the person or entity holding Permanent Variance No. 15-V-322 and Permanent Variance No. 15-V-322M1, shall be:

SPUS9 237 at First Street, L.P.

2. Permanent Variance No. 15-V-322 being only modified as specified in above Decision and Order section 1, is otherwise unchanged and remaining in full force and effect, as hereby incorporated by reference into this Decision and Order of Permanent Variance No. 15-V-322M1.

Pursuant to California Code of Regulations, title 8, section 426(b), the above, duly completed Proposed Decision, is hereby submitted to the Occupational Safety and Health Standards Board for consideration of adoption.

Dated: May 26, 2022

  
\_\_\_\_\_  
Autumn Gonzalez, Hearing Officer

STATE OF CALIFORNIA  
DEPARTMENT OF INDUSTRIAL RELATIONS  
OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
2520 Venture Oaks Way, Suite 350  
Sacramento, California 95833  
(916) 274-5721

In the Matter of Application to Modify  
Permanent Variance by:

Next Century Partners, LLC

OSHSB File No.: 18-V-086M1

Proposed Decision Dated: May 26, 2022

DECISION

The Occupational Safety and Health Standards Board hereby adopts the attached  
PROPOSED DECISION by Autumn Gonzalez, Hearing Officer.

\_\_\_\_\_  
DAVID THOMAS, Chairman

\_\_\_\_\_  
BARBARA BURGEL, Member

\_\_\_\_\_  
KATHLEEN CRAWFORD, Member

\_\_\_\_\_  
DAVID HARRISON, Member

\_\_\_\_\_  
NOLA KENNEDY, Member

\_\_\_\_\_  
CHRIS LASZCZ-DAVIS, Member

\_\_\_\_\_  
LAURA STOCK, Member

OCCUPATIONAL SAFETY AND HEALTH  
STANDARDS BOARD

Date of Adoption: June 16, 2022

THE FOREGOING VARIANCE DECISION WAS  
ADOPTED ON THE DATE INDICATED ABOVE.  
IF YOU ARE DISSATISFIED WITH THE  
DECISION, A PETITION FOR REHEARING  
MAY BE FILED BY ANY PARTY WITH THE  
STANDARDS BOARD WITHIN TWENTY (20)  
DAYS AFTER SERVICE OF THE DECISION.  
YOUR PETITION FOR REHEARING MUST  
FULLY COMPLY WITH THE REQUIREMENTS  
OF CALIFORNIA CODE OF REGULATIONS,  
TITLE 8, SECTIONS 427, 427.1 AND 427.2.

Note: A copy of this Decision must be  
posted for the Applicant's employees to  
read, and/or a copy thereof must be  
provided to the employees' Authorized  
Representatives.



BEFORE THE  
 OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
 DEPARTMENT OF INDUSTRIAL RELATIONS  
 STATE OF CALIFORNIA

In the Matter of Application to Modify Permanent Variance by:  Next Century Partners, LLC	OSHSB File No.: 18-V-086M1  <u>PROPOSED DECISION</u>  Hearing Date: May 25, 2022
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A. The following person or entity (“Applicant”) has applied for a modification of permanent variance from provisions of the Elevator Safety Orders, found at title 8 of the California Code of Regulations, for each elevator having the specified preexisting variance location address of record:

Preexisting OSHSB File No.	Applicant Name	Preexisting Variance Address of Record
18-V-086	Next Century Partners, LLC	2029 Avenue of the Stars Los Angeles, CA 90067

B. This proceeding is conducted in accordance with Labor Code section 143, and California Code of Regulations, title 8, section 401, et. seq.

C. Procedural Matters:

1. This hearing was held on May 25, 2022, in Sacramento, California, via teleconference, by Occupational Safety and Health Standards Board (“Board”), with Hearing Officer Autumn Gonzalez, both presiding and hearing the matter on its merit, as a basis of proposed decision to be advanced to the Board for its consideration, in accordance with California Code of Regulations, title 8, section 426.
2. At the hearing, Carolina Castaneda, with Mitsubishi Elevator, appeared on behalf of the Applicant; Mark Wickens and David Morris appeared on behalf of the Division of Occupational Safety and Health (“Division”); and Michael Nelmda appeared on behalf of Board staff, in a technical advisory role apart from the Board.
3. Documentary and oral evidence was received at the hearing, and by stipulation of all parties, documents were admitted into evidence:

<b>Exhibit Number</b>	<b>Description of Exhibit</b>
PD-1	Application for modification of Permanent Variance
PD-2	OSHSB Notice of Hearing
PD-3	Board Staff Reviews of Variance Application
PD-4	Division Reviews of Variance Application
PD-5	Review Draft-1 Proposed Decision

Official notice is taken of the Board’s files, records, recordings and decisions concerning the Elevator Safety Order requirements from which variance shall issue. On May 25, 2022, the hearing and record closed, and the matter was taken under submission by the Hearing Officer.

D. Based on the record of this hearing, the Board makes the following findings of fact:

1. The Applicant requests modification of the address of the unchanging variance location specified within Board records for each elevator the subject of previously granted Permanent Variance 18-V-086.
2. Application section 3, declared to be wholly truthful under penalty of perjury by Application signatory, states facts upon which reasonably may be based a finding that the address, specified in the records of the Board, at which Permanent Variance 18-V-086 is in effect, in fact is more completely, and correctly the different combination of addresses specified in below subsection D.5.
3. The Division has evaluated the request for modification of variance location address, finds no issue with it, and recommends that the application for modification be granted subject to the same conditions of the Decision and Order in OSHSB Permanent Variance File No. 18-V-086.
4. The Board finds the above subpart D.2 referenced declaration to be credible, uncontroverted, and consistent with available, sufficient facts, and of no bearing as to the finding of equivalent occupational health and safety upon which Grant of preexisting Permanent Variance 18-V-086 was, in part, based.
5. The Board finds the correct address by which to designate the location of each elevator the subject of Permanent Variance No. 18-V-086, to be:

115 Park Circle  
Los Angeles, CA

E. Decision and Order:

1. Permanent Variance Application No. 18-V-086M1 is conditionally GRANTED, thereby modifying Board records, such that, without change in variance location, each elevator being the subject of Permanent Variance Nos. 18-V-086, and 18-V-086M1, shall have the following address designation:

115 Park Circle  
Los Angeles, CA

2. Permanent Variance No. 18-V-086, being only modified as to the subject location address specified in above Decision and Order section 1, is otherwise unchanged and remaining in full force and effect, as hereby incorporated by reference into this Decision and Order of Permanent Variance No. 18-V-086M1.

Pursuant to California Code of Regulations, title 8, section 426(b), the above, duly completed Proposed Decision, is hereby submitted to the Occupational Safety and Health Standards Board for consideration of adoption.

Dated: May 26, 2022

  
\_\_\_\_\_  
Autumn Gonzalez, Hearing Officer

STATE OF CALIFORNIA  
DEPARTMENT OF INDUSTRIAL RELATIONS  
OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
2520 Venture Oaks Way, Suite 350  
Sacramento, California 95833  
(916) 274-5721

In the Matter of Application to Modify  
Permanent Variance by:

Next Century Partners, LLC

OSHSB File No.: 18-V-087M1

Proposed Decision Dated: May 26, 2022

DECISION

The Occupational Safety and Health Standards Board hereby adopts the attached  
PROPOSED DECISION by Autumn Gonzalez, Hearing Officer.

\_\_\_\_\_  
DAVID THOMAS, Chairman

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BARBARA BURGEL, Member

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KATHLEEN CRAWFORD, Member

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DAVID HARRISON, Member

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NOLA KENNEDY, Member

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CHRIS LASZCZ-DAVIS, Member

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LAURA STOCK, Member

OCCUPATIONAL SAFETY AND HEALTH  
STANDARDS BOARD

Date of Adoption: June 16, 2022

THE FOREGOING VARIANCE DECISION WAS  
ADOPTED ON THE DATE INDICATED ABOVE.  
IF YOU ARE DISSATISFIED WITH THE  
DECISION, A PETITION FOR REHEARING  
MAY BE FILED BY ANY PARTY WITH THE  
STANDARDS BOARD WITHIN TWENTY (20)  
DAYS AFTER SERVICE OF THE DECISION.  
YOUR PETITION FOR REHEARING MUST  
FULLY COMPLY WITH THE REQUIREMENTS  
OF CALIFORNIA CODE OF REGULATIONS,  
TITLE 8, SECTIONS 427, 427.1 AND 427.2.

Note: A copy of this Decision must be  
posted for the Applicant's employees to  
read, and/or a copy thereof must be  
provided to the employees' Authorized  
Representatives.

BEFORE THE  
 OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
 DEPARTMENT OF INDUSTRIAL RELATIONS  
 STATE OF CALIFORNIA

In the Matter of Application to Modify Permanent Variance by:  Next Century Partners, LLC	OSHSB File No.: 18-V-087M1  <u>PROPOSED DECISION</u>  Hearing Date: May 25, 2022
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A. The following person or entity (“Applicant”) has applied for a modification of permanent variance from provisions of the Elevator Safety Orders, found at title 8 of the California Code of Regulations, for each elevator having the specified preexisting variance location address of record:

Preexisting OSHSB File No.	Applicant Name	Preexisting Variance Address of Record
18-V-087	Next Century Partners, LLC	2021 Avenue of the Stars Los Angeles, CA 90067

B. This proceeding is conducted in accordance with Labor Code section 143, and California Code of Regulations, title 8, section 401, et. seq.

C. Procedural Matters:

1. This hearing was held on May 25, 2022, in Sacramento, California, via teleconference, by Occupational Safety and Health Standards Board (“Board”), with Hearing Officer Autumn Gonzalez, both presiding and hearing the matter on its merit, as a basis of proposed decision to be advanced to the Board for its consideration, in accordance with California Code of Regulations, title 8, section 426.
2. At the hearing, Carolina Castaneda, with Mitsubishi Elevator, appeared on behalf of the Applicant; Mark Wickens and David Morris appeared on behalf of the Division of Occupational Safety and Health (“Division”); and Michael Nelmda appeared on behalf of Board staff, in a technical advisory role apart from the Board.
3. Documentary and oral evidence was received at the hearing, and by stipulation of all parties, documents were admitted into evidence:

<b>Exhibit Number</b>	<b>Description of Exhibit</b>
PD-1	Application for modification of Permanent Variance
PD-2	OSHSB Notice of Hearing
PD-3	Board Staff Reviews of Variance Application
PD-4	Division Reviews of Variance Application
PD-5	Review Draft-1 Proposed Decision

Official notice is taken of the Board’s files, records, recordings and decisions concerning the Elevator Safety Order requirements from which variance shall issue. On May 25, 2022, the hearing and record closed, and the matter was taken under submission by the Hearing Officer.

D. Based on the record of this hearing, the Board makes the following findings of fact:

1. The Applicant requests modification of the address of the unchanging variance location specified within Board records for each elevator the subject of previously granted Permanent Variance 18-V-087.
2. Application section 3, declared to be wholly truthful under penalty of perjury by Application signatory, states facts upon which reasonably may be based a finding that the address, specified in the records of the Board, at which Permanent Variance 18-V-087 is in effect, in fact is more completely, and correctly the different combination of addresses specified in below subsection D.5.
3. The Division has evaluated the request for modification of variance location address, finds no issue with it, and recommends that the application for modification be granted subject to the same conditions of the Decision and Order in OSHSB Permanent Variance File No. 18-V-087.
4. The Board finds the above subpart D.2 referenced declaration to be credible, uncontroverted, and consistent with available, sufficient facts, and of no bearing as to the finding of equivalent occupational health and safety upon which Grant of preexisting Permanent Variance 18-V-087 was, in part, based.
5. The Board finds the correct address by which to designate the location of each elevator the subject of Permanent Variance No. 18-V-087, to be:

211 Elm Ct.  
Los Angeles, CA

E. Decision and Order:

1. Permanent Variance Application No. 18-V-087M1 is conditionally GRANTED, thereby modifying Board records, such that, without change in variance location, each elevator being the subject of Permanent Variance Nos. 18-V-087, and 18-V-087M1, shall have the following address designation:

211 Elm Ct.  
Los Angeles, CA

2. Permanent Variance No. 18-V-087, being only modified as to the subject location address specified in above Decision and Order section 1, is otherwise unchanged and remaining in full force and effect, as hereby incorporated by reference into this Decision and Order of Permanent Variance No. 18-V-087M1.

Pursuant to California Code of Regulations, title 8, section 426(b), the above, duly completed Proposed Decision, is hereby submitted to the Occupational Safety and Health Standards Board for consideration of adoption.

Dated: May 26, 2022

  
\_\_\_\_\_  
Autumn Gonzalez, Hearing Officer

STATE OF CALIFORNIA  
DEPARTMENT OF INDUSTRIAL RELATIONS  
OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
2520 Venture Oaks Way, Suite 350  
Sacramento, California 95833  
(916) 274-5721

In the Matter of Application to Modify  
Permanent Variance by:

Next Century Partners, LLC

OSHSB File No.: 18-V-088M1

Proposed Decision Dated: May 26, 2022

DECISION

The Occupational Safety and Health Standards Board hereby adopts the attached  
PROPOSED DECISION by Autumn Gonzalez, Hearing Officer.

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DAVID THOMAS, Chairman

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BARBARA BURGEL, Member

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KATHLEEN CRAWFORD, Member

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DAVID HARRISON, Member

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NOLA KENNEDY, Member

\_\_\_\_\_  
CHRIS LASZCZ-DAVIS, Member

\_\_\_\_\_  
LAURA STOCK, Member

OCCUPATIONAL SAFETY AND HEALTH  
STANDARDS BOARD

Date of Adoption: June 16, 2022

THE FOREGOING VARIANCE DECISION WAS  
ADOPTED ON THE DATE INDICATED ABOVE.  
IF YOU ARE DISSATISFIED WITH THE  
DECISION, A PETITION FOR REHEARING  
MAY BE FILED BY ANY PARTY WITH THE  
STANDARDS BOARD WITHIN TWENTY (20)  
DAYS AFTER SERVICE OF THE DECISION.  
YOUR PETITION FOR REHEARING MUST  
FULLY COMPLY WITH THE REQUIREMENTS  
OF CALIFORNIA CODE OF REGULATIONS,  
TITLE 8, SECTIONS 427, 427.1 AND 427.2.

Note: A copy of this Decision must be  
posted for the Applicant's employees to  
read, and/or a copy thereof must be  
provided to the employees' Authorized  
Representatives.



BEFORE THE  
 OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
 DEPARTMENT OF INDUSTRIAL RELATIONS  
 STATE OF CALIFORNIA

In the Matter of Application to Modify Permanent Variance by:  Next Century Partners, LLC	OSHSB File No.: 18-V-088M1  <u>PROPOSED DECISION</u>  Hearing Date: May 25, 2022
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A. The following person or entity (“Applicant”) has applied for a modification of permanent variance from provisions of the Elevator Safety Orders, found at title 8 of the California Code of Regulations, for each elevator having the specified preexisting variance location address of record:

Preexisting OSHSB File No.	Applicant Name	Preexisting Variance Address of Record
18-V-088	Next Century Partners, LLC	2025 Avenue of the Stars Los Angeles, CA 90067

B. This proceeding is conducted in accordance with Labor Code section 143, and California Code of Regulations, title 8, section 401, et. seq.

C. Procedural Matters:

1. This hearing was held on May 25, 2022, in Sacramento, California, via teleconference, by Occupational Safety and Health Standards Board (“Board”), with Hearing Officer Autumn Gonzalez, both presiding and hearing the matter on its merit, as a basis of proposed decision to be advanced to the Board for its consideration, in accordance with California Code of Regulations, title 8, section 426.
2. At the hearing, Carolina Castaneda, with Mitsubishi Elevator, appeared on behalf of the Applicant; Mark Wickens and David Morris appeared on behalf of the Division of Occupational Safety and Health (“Division”); and Michael Nelmda appeared on behalf of Board staff, in a technical advisory role apart from the Board.
3. Documentary and oral evidence was received at the hearing, and by stipulation of all parties, documents were admitted into evidence:

<b>Exhibit Number</b>	<b>Description of Exhibit</b>
PD-1	Application for modification of Permanent Variance
PD-2	OSHSB Notice of Hearing
PD-3	Board Staff Reviews of Variance Application
PD-4	Division Reviews of Variance Application
PD-5	Review Draft-1 Proposed Decision

Official notice is taken of the Board’s files, records, recordings and decisions concerning the Elevator Safety Order requirements from which variance shall issue. On May 25, 2022, the hearing and record closed, and the matter was taken under submission by the Hearing Officer.

D. Based on the record of this hearing, the Board makes the following findings of fact:

1. The Applicant requests modification of the address of the unchanging variance location specified within Board records for each elevator the subject of previously granted Permanent Variance 18-V-088.
2. Application section 3, declared to be wholly truthful under penalty of perjury by Application signatory, states facts upon which reasonably may be based a finding that the address, specified in the records of the Board, at which Permanent Variance 18-V-088 is in effect, in fact is more completely, and correctly the different combination of addresses specified in below subsection D.5.
3. The Division has evaluated the request for modification of variance location address, finds no issue with it, and recommends that the application for modification be granted subject to the same conditions of the Decision and Order in OSHSB Permanent Variance File No. 18-V-088.
4. The Board finds the above subpart D.2 referenced declaration to be credible, uncontroverted, and consistent with available, sufficient facts, and of no bearing as to the finding of equivalent occupational health and safety upon which Grant of preexisting Permanent Variance 18-V-088 was, in part, based.
5. The Board finds the correct address by which to designate the location of each elevator the subject of Permanent Variance No. 18-V-088, to be:

10200 Constellation Blvd.  
Los Angeles, CA

E. Decision and Order:

1. Permanent Variance Application No. 18-V-088M1 is conditionally GRANTED, thereby modifying Board records, such that, without change in variance location, each elevator being the subject of Permanent Variance Nos. 18-V-088, and 18-V-088M1, shall have the following address designation:

10200 Constellation Blvd.  
Los Angeles, CA

2. Permanent Variance No. 18-V-088, being only modified as to the subject location address specified in above Decision and Order section 1, is otherwise unchanged and remaining in full force and effect, as hereby incorporated by reference into this Decision and Order of Permanent Variance No. 18-V-088M1.

Pursuant to California Code of Regulations, title 8, section 426(b), the above, duly completed Proposed Decision, is hereby submitted to the Occupational Safety and Health Standards Board for consideration of adoption.

Dated: May 26, 2022

  
\_\_\_\_\_  
Autumn Gonzalez, Hearing Officer

STATE OF CALIFORNIA  
DEPARTMENT OF INDUSTRIAL RELATIONS  
OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
2520 Venture Oaks Way, Suite 350  
Sacramento, California 95833  
(916) 274-5721

In the Matter of Application to Modify  
Permanent Variance by:

SPUS9 237 at First Street, L.P.

OSHSB File No.: 18-V-457M1

Proposed Decision Dated: May 26, 2022

DECISION

The Occupational Safety and Health Standards Board hereby adopts the attached  
PROPOSED DECISION by Autumn Gonzalez, Hearing Officer.

\_\_\_\_\_  
DAVID THOMAS, Chairman

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BARBARA BURGEL, Member

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KATHLEEN CRAWFORD, Member

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DAVID HARRISON, Member

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NOLA KENNEDY, Member

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CHRIS LASZCZ-DAVIS, Member

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LAURA STOCK, Member

OCCUPATIONAL SAFETY AND HEALTH  
STANDARDS BOARD

Date of Adoption: June 16, 2022

THE FOREGOING VARIANCE DECISION WAS  
ADOPTED ON THE DATE INDICATED ABOVE.  
IF YOU ARE DISSATISFIED WITH THE  
DECISION, A PETITION FOR REHEARING  
MAY BE FILED BY ANY PARTY WITH THE  
STANDARDS BOARD WITHIN TWENTY (20)  
DAYS AFTER SERVICE OF THE DECISION.  
YOUR PETITION FOR REHEARING MUST  
FULLY COMPLY WITH THE REQUIREMENTS  
OF CALIFORNIA CODE OF REGULATIONS,  
TITLE 8, SECTIONS 427, 427.1 AND 427.2.

Note: A copy of this Decision must be  
posted for the Applicant's employees to  
read, and/or a copy thereof must be  
provided to the employees' Authorized  
Representatives.

BEFORE THE  
OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
DEPARTMENT OF INDUSTRIAL RELATIONS  
STATE OF CALIFORNIA

In the Matter of Application to Modify Permanent Variance by:  SPUS9 237 at First Street, L.P.	OSHSB File No.: 18-V-457M1  <u>PROPOSED DECISION</u>  Hearing Date: May 25, 2022
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A. Subject Matter and Jurisdiction:

1. The above named person or entity (“Applicant”) has applied for a modification of permanent variance from provisions of the Elevator Safety Orders, found at Title 8 of the California Code of Regulations. The subject permanent variance file, and preexisting variance holder of record therein, are as follows:

Preexisting OSHSB File No.	Preexisting Variance Holder of Record
18-V-457	237 North First Street Investors, LLC

- B. This proceeding is conducted in accordance with Labor Code section 143, and California Code of Regulations, title 8, section 401, et. seq.

C. Procedural Matters:

1. This hearing was held on May 25, 2022, in Sacramento, California, via teleconference, by Occupational Safety and Health Standards Board (“Board”), with Hearing Officer Autumn Gonzalez, both presiding and hearing the matter on its merit, as a basis of proposed decision to be advanced to the Board for its consideration, in accordance with California Code of Regulations, title 8, section 426.
2. At the hearing, Joanna Mui, appeared on behalf of the Applicant; Mark Wickens and David Morris appeared on behalf of the Division of Occupational Safety and Health (“Division”); and Michael Nelmidia appeared on behalf of Board staff, in a technical advisory role apart from the Board.

3. Documentary and oral evidence was received at the hearing, and by stipulation of all parties, documents were admitted into evidence:

<b>Exhibit Number</b>	<b>Description of Exhibit</b>
PD-1	Application for modification of Permanent Variance
PD-2	OSHSB Notice of Hearing
PD-3	Board Staff Review of Variance Application
PD-4	Division Review of Variance Application
PD-5	Review Draft-1 Proposed Decision

Official notice is taken of the Board's files, records, recordings and decisions concerning the Elevator Safety Order requirements from which variance shall issue. On May 25, 2022, the hearing and record closed, and the matter was taken under submission by the Hearing Officer.

- D. Based on the record of this hearing, the Board makes the following findings of fact:

1. The Applicant requests modification of the variance holder specified within Board records for each elevator the subject of previously granted Permanent Variance No. 18-V-457.
2. Application Section 3, declared to be wholly truthful under penalty of perjury by Application signatory, states that the person or entity named in Application Section 1, SPUS9 237 at First Street, L.P., became the owner of the conveyance(s) subject to the existing variance referenced in Application Section 2, as the term conveyance owner is defined per California Code of Regulations, Title 8, Section 403(o).
3. The Division has evaluated the request for modification of person or entity of record holding Permanent Variance No. 18-V-457, finds no issue with it, and recommends that the application for modification be granted subject to the same conditions of the Decision and Order in OSHSB Permanent Variance File No. 18-V-457.
4. The Board finds the Application Section 3, declaratory statements of the Applicant signatory to be credible, uncontroverted, and consistent with available, sufficient facts, and of no bearing as to the finding of equivalent occupational health and safety upon which, in substantial part, grant of preexisting Permanent Variance No. 18-V-457 based.
5. The Board finds the current person or entity having custody of each elevator the subject of Permanent Variance No. 18-V-457 to be in fact:

SPUS9 237 at First Street, L.P.

E. Decision and Order:

1. Variance application 18-V-457M1 is conditionally GRANTED, as specified below, such that, within Board records, the person or entity holding Permanent Variance No. 18-V-457 and Permanent Variance No. 18-V-457M1, shall be:

SPUS9 237 at First Street, L.P.

2. Permanent Variance No. 18-V-457 being only modified as specified in above Decision and Order section 1, is otherwise unchanged and remaining in full force and effect, as hereby incorporated by reference into this Decision and Order of Permanent Variance No. 18-V-457M1.

Pursuant to California Code of Regulations, title 8, section 426(b), the above, duly completed Proposed Decision, is hereby submitted to the Occupational Safety and Health Standards Board for consideration of adoption.

Dated: May 26, 2022

  
Autumn Gonzalez, Hearing Officer

STATE OF CALIFORNIA  
DEPARTMENT OF INDUSTRIAL RELATIONS  
OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
2520 Venture Oaks Way, Suite 350  
Sacramento, California 95833  
(916) 274-5721

In the Matter of Application to Modify  
Permanent Variance by:

1999 Stars LLC

OSHSB File No.: 19-V-150M1  
Proposed Decision Dated: May 26, 2022

DECISION

The Occupational Safety and Health Standards Board hereby adopts the attached  
PROPOSED DECISION by Autumn Gonzalez, Hearing Officer.

\_\_\_\_\_  
DAVID THOMAS, Chairman

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BARBARA BURGEL, Member

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KATHLEEN CRAWFORD, Member

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DAVID HARRISON, Member

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NOLA KENNEDY, Member

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CHRIS LASZCZ-DAVIS, Member

\_\_\_\_\_  
LAURA STOCK, Member

OCCUPATIONAL SAFETY AND HEALTH  
STANDARDS BOARD

Date of Adoption: June 16, 2022

THE FOREGOING VARIANCE DECISION WAS  
ADOPTED ON THE DATE INDICATED ABOVE.  
IF YOU ARE DISSATISFIED WITH THE  
DECISION, A PETITION FOR REHEARING  
MAY BE FILED BY ANY PARTY WITH THE  
STANDARDS BOARD WITHIN TWENTY (20)  
DAYS AFTER SERVICE OF THE DECISION.  
YOUR PETITION FOR REHEARING MUST  
FULLY COMPLY WITH THE REQUIREMENTS  
OF CALIFORNIA CODE OF REGULATIONS,  
TITLE 8, SECTIONS 427, 427.1 AND 427.2.

Note: A copy of this Decision must be  
posted for the Applicant's employees to  
read, and/or a copy thereof must be  
provided to the employees' Authorized  
Representatives.



BEFORE THE  
 OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
 DEPARTMENT OF INDUSTRIAL RELATIONS  
 STATE OF CALIFORNIA

In the Matter of Application to Modify Permanent Variance by:  <p style="text-align: center;">1999 Stars LLC</p>	OSHSB File No.: 19-V-150M1  <u>PROPOSED DECISION</u>  Hearing Date: May 25, 2022
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A. The following person or entity (“Applicant”) has applied for a modification of permanent variance from provisions of the Elevator Safety Orders, found at Title 8 of the California Code of Regulations, for each elevator having the below specified preexisting variance location address of record:

Preexisting OSHSB File No.	Applicant Name	Variance Address of Record	Preexisting Number of Elevators
19-V-150	1999 Stars LLC	1999 Ave of the Stars Los Angeles, CA	5

B. This proceeding is conducted in accordance with Labor Code Section 143, and California Code of Regulations, Title 8, Section 401, et. seq.

C. Procedural Matters:

1. This hearing was held on May 25, 2022, in Sacramento, California, and via teleconference, by Occupational Safety and Health Standards Board (“Board”) with Hearing Officer Autumn Gonzalez, both presiding and hearing the matter on its merit, as a basis of proposed decision to be advanced to the Board for its consideration, in accordance with California Code of Regulations, Title 8, Section 426.
2. At the hearing, Wolter Geesink with Otis Elevator, and Dan Leacox of Leacox & Associates, appeared on behalf of the Applicants; Mark Wickens and David Morris appeared on behalf of the Division of Occupational Safety and Health (“Division”); and Michael Nelmida appeared on behalf of Board staff.
3. Documentary and oral evidence was received at the hearing, and by stipulation of all parties, documents were admitted into evidence: permanent variance applications per Section A table as Exhibit PD-1, Notice of Hearing as Exhibit PD-2, Division evaluation as

PD-3, Board Staff Evaluation as PD-4, and Review Draft 1 as PD-5, and official notice taken of the Board's files, records, recordings and decisions concerning Otis elevators. On May 25, 2022, the hearing and record closed, and the matter was taken under submission by the Hearing Panel.

D. Findings and Basis:

1. The Applicant requests modification of the quantity of elevators the subject of previously granted Permanent Variance No. 19-V-150, to increase the quantity of elevators from five (5) to eight (8).
2. Application Section 3, declared to be wholly truthful under penalty of perjury by the Applicant signatory, states facts upon which to reasonably find that additional requested subject elevator is to be of the same manufacturer model type and material technical characteristics and specifications, as the existing elevator the subject of Permanent Variance No. 19-V-150.
3. The Division has evaluated the immediate request for modification of variance, finds no issue with it, and recommends that the application for modification be granted subject to the same conditions of the Decision and Order in OSHSB Permanent Variance File No. 19-V-150.
4. The Board finds the Section 2 referenced declaration to be credible, uncontroverted, and consistent with available, sufficient facts, and finds modification of Permanent Variance 19-V-150, increasing the quantity of subject elevators from five (5) to eight (8), to be of no bearing upon the finding of equivalent occupational health and safety upon which Grant of preexisting Permanent Variance 19-V-150 was, in part, based.

E. Decision and Order:

1. Application for Modification of Permanent Variance, No. 19-V-150M1, is conditionally GRANTED, as specified below, such that a total of eight elevators are the subject of Permanent Variance No. 19-V-150, as hereby modified.
2. Permanent Variance No. 19-V-150, being only modified as to the subject quantity of elevators specified in above Decision and Order Section 1, is otherwise unchanged and remaining in full force and effect, as hereby incorporated by reference into Modification of Permanent Variance No. 19-V-150M1.
3. The applicant shall notify its employees or their authorized representative(s), or both, of this order in the same way that the Applicant was required to notify them of the application for permanent variance, per California Code of Regulations, Title 8, Sections

*Proposed Variance Decision*  
*OSHSB File No.: 19-V-150M1*  
*Hearing Date: May 25, 2022*

411.2 and 411.3.

4. This Decision and Order shall remain in effect unless modified or revoked upon application by the Applicant, affected employee(s), the Division, or by the Board on its own motion, in the manner prescribed for its issuance.

Pursuant to California Code of Regulations, Title 8, Section 426(b), the above, duly completed Proposed Decision, is hereby submitted to the Occupational Safety and Health Standards Board for consideration of adoption.

Dated: May 26, 2022

  
\_\_\_\_\_  
Autumn Gonzalez, Hearing Officer

STATE OF CALIFORNIA  
DEPARTMENT OF INDUSTRIAL RELATIONS  
OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
2520 Venture Oaks Way, Suite 350  
Sacramento, California 95833  
(916) 274-5721

In the Matter of Application to Modify  
Permanent Variance by:

1999 Stars LLC

OSHSB File No.: 19-V-355M1  
Proposed Decision Dated: May 26, 2022

DECISION

The Occupational Safety and Health Standards Board hereby adopts the attached  
PROPOSED DECISION by Autumn Gonzalez, Hearing Officer.

\_\_\_\_\_  
DAVID THOMAS, Chairman

\_\_\_\_\_  
BARBARA BURGEL, Member

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KATHLEEN CRAWFORD, Member

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DAVID HARRISON, Member

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NOLA KENNEDY, Member

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CHRIS LASZCZ-DAVIS, Member

\_\_\_\_\_  
LAURA STOCK, Member

OCCUPATIONAL SAFETY AND HEALTH  
STANDARDS BOARD

Date of Adoption: June 16, 2022

THE FOREGOING VARIANCE DECISION WAS  
ADOPTED ON THE DATE INDICATED ABOVE.  
IF YOU ARE DISSATISFIED WITH THE  
DECISION, A PETITION FOR REHEARING  
MAY BE FILED BY ANY PARTY WITH THE  
STANDARDS BOARD WITHIN TWENTY (20)  
DAYS AFTER SERVICE OF THE DECISION.  
YOUR PETITION FOR REHEARING MUST  
FULLY COMPLY WITH THE REQUIREMENTS  
OF CALIFORNIA CODE OF REGULATIONS,  
TITLE 8, SECTIONS 427, 427.1 AND 427.2.

Note: A copy of this Decision must be  
posted for the Applicant's employees to  
read, and/or a copy thereof must be  
provided to the employees' Authorized  
Representatives.

BEFORE THE  
 OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
 DEPARTMENT OF INDUSTRIAL RELATIONS  
 STATE OF CALIFORNIA

In the Matter of Application to Modify Permanent Variance by:  <p style="text-align: center;">1999 Stars LLC</p>	OSHSB File No.: 19-V-355M1  <u>PROPOSED DECISION</u>  Hearing Date: May 25, 2022
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A. The following person or entity (“Applicant”) has applied for a modification of permanent variance from provisions of the Elevator Safety Orders, found at Title 8 of the California Code of Regulations, for each elevator having the below specified preexisting variance location address of record:

Preexisting OSHSB File No.	Applicant Name	Variance Address of Record	Preexisting Number of Elevators
19-V-355	1999 Stars LLC	1999 Ave Of The Stars Los Angeles, CA	11

B. This proceeding is conducted in accordance with Labor Code Section 143, and California Code of Regulations, Title 8, Section 401, et. seq.

C. Procedural Matters:

1. This hearing was held on May 25, 2022, in Sacramento, California, and via teleconference, by Occupational Safety and Health Standards Board (“Board”) with Hearing Officer Autumn Gonzalez, both presiding and hearing the matter on its merit, as a basis of proposed decision to be advanced to the Board for its consideration, in accordance with California Code of Regulations, Title 8, Section 426.
2. At the hearing, Wolter Geesink with Otis Elevator, and Dan Leacox of Leacox & Associates, appeared on behalf of the Applicants; Mark Wickens and David Morris appeared on behalf of the Division of Occupational Safety and Health (“Division”); and Michael Nelmida appeared on behalf of Board staff.
3. Documentary and oral evidence was received at the hearing, and by stipulation of all parties, documents were admitted into evidence: permanent variance applications per Section A table as Exhibit PD-1, Notice of Hearing as Exhibit PD-2, Division evaluation as

PD-3, Board Staff Evaluation as PD-4, and Review Draft 1 as PD-5, and official notice taken of the Board's files, records, recordings and decisions concerning Otis elevators. On May 25, 2022, the hearing and record closed, and the matter was taken under submission by the Hearing Panel.

D. Findings and Basis:

1. The Applicant requests modification of the quantity of elevators the subject of previously granted Permanent Variance No. 19-V-355, to increase the quantity of elevators from eleven (11) to twelve (12).
2. Application Section 3, declared to be wholly truthful under penalty of perjury by the Applicant signatory, states facts upon which to reasonably find that additional requested subject elevator is to be of the same manufacturer model type and material technical characteristics and specifications, as the existing elevator the subject of Permanent Variance No. 19-V-355.
3. The Division has evaluated the immediate request for modification of variance, finds no issue with it, and recommends that the application for modification be granted subject to the same conditions of the Decision and Order in OSHSB Permanent Variance File No. 19-V-355.
4. The Board finds the Section 2 referenced declaration to be credible, uncontroverted, and consistent with available, sufficient facts, and finds modification of Permanent Variance 19-V-355, increasing the quantity of subject elevators from eleven (11) to twelve (12), to be of no bearing upon the finding of equivalent occupational health and safety upon which Grant of preexisting Permanent Variance 19-V-355 was, in part, based.

E. Decision and Order:

1. Application for Modification of Permanent Variance, No. 19-V-355M1, is conditionally GRANTED, as specified below, such that a total of twelve elevators are the subject of Permanent Variance No. 19-V-355, as hereby modified.
2. Permanent Variance No. 19-V-355, being only modified as to the subject quantity of elevators specified in above Decision and Order Section 1, is otherwise unchanged and remaining in full force and effect, as hereby incorporated by reference into Modification of Permanent Variance No. 19-V-355M1.
3. The applicant shall notify its employees or their authorized representative(s), or both, of this order in the same way that the Applicant was required to notify them of the

*Proposed Variance Decision*  
*OSHSB File No.: 19-V-355M1*  
*Hearing Date: May 25, 2022*

application for permanent variance, per California Code of Regulations, Title 8, Sections 411.2 and 411.3.

4. This Decision and Order shall remain in effect unless modified or revoked upon application by the Applicant, affected employee(s), the Division, or by the Board on its own motion, in the manner prescribed for its issuance.

Pursuant to California Code of Regulations, Title 8, Section 426(b), the above, duly completed Proposed Decision, is hereby submitted to the Occupational Safety and Health Standards Board for consideration of adoption.

Dated: May 26, 2022

  
\_\_\_\_\_  
Autumn Gonzalez, Hearing Officer

STATE OF CALIFORNIA  
DEPARTMENT OF INDUSTRIAL RELATIONS  
OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
2520 Venture Oaks Way, Suite 350  
Sacramento, California 95833  
(916) 274-5721

In the Matter of Application to Modify  
Permanent Variance by:

Grant Street LLC

OSHSB File No.: 20-V-434M1  
Proposed Decision Dated: May 26, 2022

DECISION

The Occupational Safety and Health Standards Board hereby adopts the attached  
PROPOSED DECISION by Autumn Gonzalez, Hearing Officer.

\_\_\_\_\_  
DAVID THOMAS, Chairman

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BARBARA BURGEL, Member

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KATHLEEN CRAWFORD, Member

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DAVID HARRISON, Member

\_\_\_\_\_  
NOLA KENNEDY, Member

\_\_\_\_\_  
CHRIS LASZCZ-DAVIS, Member

\_\_\_\_\_  
LAURA STOCK, Member

OCCUPATIONAL SAFETY AND HEALTH  
STANDARDS BOARD

Date of Adoption: June 16, 2022

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STANDARDS BOARD WITHIN TWENTY (20)  
DAYS AFTER SERVICE OF THE DECISION.  
YOUR PETITION FOR REHEARING MUST  
FULLY COMPLY WITH THE REQUIREMENTS  
OF CALIFORNIA CODE OF REGULATIONS,  
TITLE 8, SECTIONS 427, 427.1 AND 427.2.

Note: A copy of this Decision must be  
posted for the Applicant's employees to  
read, and/or a copy thereof must be  
provided to the employees' Authorized  
Representatives.



BEFORE THE  
 OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
 DEPARTMENT OF INDUSTRIAL RELATIONS  
 STATE OF CALIFORNIA

In the Matter of Application to Modify Permanent Variance by:  <p style="text-align: center;">Grant Street LLC</p>	OSHSB File No.: 20-V-434M1  <p style="text-align: center;"><u>PROPOSED DECISION</u></p> Hearing Date: May 25, 2022
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A. The following person or entity (“Applicant”) has applied for a modification of permanent variance from provisions of the Elevator Safety Orders, found at title 8 of the California Code of Regulations, for each elevator having the specified preexisting variance location address of record:

Preexisting OSHSB File No.	Applicant Name	Preexisting Variance Address of Record
20-V-434	Grant Street LLC	1776 Grant Street Concord, CA

B. This proceeding is conducted in accordance with Labor Code section 143, and California Code of Regulations, title 8, section 401, et. seq.

C. Procedural Matters:

1. This hearing was held on May 25, 2022, in Sacramento, California, via teleconference, by Occupational Safety and Health Standards Board (“Board”), with Hearing Officer Autumn Gonzalez, both presiding and hearing the matter on its merit, as a basis of proposed decision to be advanced to the Board for its consideration, in accordance with California Code of Regulations, title 8, section 426.
2. At the hearing, Jennifer Linares, with Schindler Elevator Corporation, appeared on behalf of the Applicant; Mark Wickens and David Morris appeared on behalf of the Division of Occupational Safety and Health (“Division”); and Michael Nelmda appeared on behalf of Board staff, in a technical advisory role apart from the Board.
3. Documentary and oral evidence was received at the hearing, and by stipulation of all parties, documents were admitted into evidence:

<b>Exhibit Number</b>	<b>Description of Exhibit</b>
PD-1	Application for modification of Permanent Variance
PD-2	OSHSB Notice of Hearing
PD-3	Board Staff Review of Variance Application
PD-4	Division Review of Variance Application
PD-5	Review Draft-1 Proposed Decision

Official notice is taken of the Board’s files, records, recordings and decisions concerning the Elevator Safety Order requirements from which variance shall issue. On May 25, 2022, the hearing and record closed, and the matter was taken under submission by the Hearing Officer.

D. Based on the record of this hearing, the Board makes the following findings of fact:

1. The Applicant requests modification of the address of the unchanging variance location specified within Board records for each elevator the subject of previously granted Permanent Variance 20-V-434.
2. Application section 3, declared to be wholly truthful under penalty of perjury by Application signatory, states facts upon which reasonably may be based a finding that the address, specified in the records of the Board, at which Permanent Variance 20-V-434 is in effect, in fact is more completely, and correctly the different combination of addresses specified in below subsection D.5.
3. The Division has evaluated the request for modification of variance location address, finds no issue with it, and recommends that the application for modification be granted subject to the same conditions of the Decision and Order in OSHSB Permanent Variance File No. 20-V-434.
4. The Board finds the above subpart D.2 referenced declaration to be credible, uncontroverted, and consistent with available, sufficient facts, and of no bearing as to the finding of equivalent occupational health and safety upon which Grant of preexisting Permanent Variance 20-V-434 was, in part, based.
5. The Board finds the correct address by which to designate the location of each elevator the subject of Permanent Variance No. 20-V-434, to be:

1676 Grant St.  
Concord, CA  
1 unit

1776 Grant St.  
Concord, CA  
2 units

E. Decision and Order:

1. Permanent Variance Application No. 20-V-434M1 is conditionally GRANTED, thereby modifying Board records, such that, without change in variance location, each elevator being the subject of Permanent Variance Nos. 20-V-434, and 20-V-434M1, shall have the following address designation:

1676 Grant St.  
Concord, CA  
1 unit

1776 Grant St.  
Concord, CA  
2 units

2. Permanent Variance No. 20-V-434, being only modified as to the subject location address specified in above Decision and Order section 1, is otherwise unchanged and remaining in full force and effect, as hereby incorporated by reference into this Decision and Order of Permanent Variance No. 20-V-434M1.

Pursuant to California Code of Regulations, title 8, section 426(b), the above, duly completed Proposed Decision, is hereby submitted to the Occupational Safety and Health Standards Board for consideration of adoption.

Dated: May 26, 2022

  
\_\_\_\_\_  
Autumn Gonzalez, Hearing Officer

STATE OF CALIFORNIA  
DEPARTMENT OF INDUSTRIAL RELATIONS  
OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
2520 Venture Oaks Way, Suite 350  
Sacramento, California 95833  
(916) 274-5721

In the Matter of Application to Modify  
Permanent Variance by:

6<sup>th</sup> and Olive, LLC

OSHSB File No.: 20-V-464M1

Proposed Decision Dated: May 26, 2022

DECISION

The Occupational Safety and Health Standards Board hereby adopts the attached  
PROPOSED DECISION by Autumn Gonzalez, Hearing Officer.

\_\_\_\_\_  
DAVID THOMAS, Chairman

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BARBARA BURGEL, Member

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KATHLEEN CRAWFORD, Member

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DAVID HARRISON, Member

\_\_\_\_\_  
NOLA KENNEDY, Member

\_\_\_\_\_  
CHRIS LASZCZ-DAVIS, Member

\_\_\_\_\_  
LAURA STOCK, Member

OCCUPATIONAL SAFETY AND HEALTH  
STANDARDS BOARD

Date of Adoption: June 16, 2022

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STANDARDS BOARD WITHIN TWENTY (20)  
DAYS AFTER SERVICE OF THE DECISION.  
YOUR PETITION FOR REHEARING MUST  
FULLY COMPLY WITH THE REQUIREMENTS  
OF CALIFORNIA CODE OF REGULATIONS,  
TITLE 8, SECTIONS 427, 427.1 AND 427.2.

Note: A copy of this Decision must be  
posted for the Applicant's employees to  
read, and/or a copy thereof must be  
provided to the employees' Authorized  
Representatives.

BEFORE THE  
 OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
 DEPARTMENT OF INDUSTRIAL RELATIONS  
 STATE OF CALIFORNIA

In the Matter of Application to Modify Permanent Variance by:  6th and Olive, LLC	OSHSB File No.: 20-V-464M1  <u>PROPOSED DECISION</u>  Hearing Date: May 25, 2022
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A. The following person or entity (“Applicant”) has applied for a modification of permanent variance from provisions of the Elevator Safety Orders, found at Title 8 of the California Code of Regulations, for each elevator having the specified preexisting variance location address of record:

Preexisting OSHSB File No.	Applicant Name	Preexisting Variance Address of Record
20-V-464	6th and Olive LLC	2728 6th Avenue San Diego, CA 92103

B. This proceeding is conducted in accordance with Labor Code Section 143, and California Code of Regulations, Title 8, Section 401, et. seq.

C. Procedural Matters:

1. This hearing was held on May 25, 2022, in Sacramento, California, via teleconference, by Occupational Safety and Health Standards Board (“Board”), with Hearing Officer Autumn Gonzalez, both presiding and hearing the matter on its merit, as a basis of proposed decision to be advanced to the Board for its consideration, in accordance with California Code of Regulations, Title 8, Section 426.
2. At the hearing, Fuei Saetern, with KONE, Inc., appeared on behalf of the Applicant, Mark Wickens and David Morris appeared on behalf of the Division of Occupational Safety and Health (“Division”); and Michael Nelmida appeared on behalf of Board staff in a technical advisory role apart from the Board.
3. Documentary and oral evidence was received at the hearing, and by stipulation of all parties, documents were admitted into evidence:

<b>Exhibit Number</b>	<b>Description of Exhibit</b>
PD-1	Application for modification of Permanent Variance
PD-2	OSHSB Notice of Hearing
PD-3	Board Staff Review of Variance Application
PD-4	Division Review of Variance Application
PD-5	Review Draft-1 Proposed Decision

Official notice is taken of the Board’s files, records, recordings and decisions concerning the Elevator Safety Order requirements from which variance shall issue. On May 25, 2022, the hearing and record closed, and the matter was taken under submission by the Hearing Officer.

D. Based on the record of this hearing, the Board makes the following findings of fact:

1. The Applicant requests modification of the address of the unchanging variance location specified within Board records for each elevator the subject of previously granted Permanent Variance 20-V-464.
2. Application Section 3, declared to be wholly truthful under penalty of perjury by Application signatory, states facts upon which reasonably may be based a finding that the address, specified in the records of the Board, at which Permanent Variance 20-V-464 is in effect, in fact is more completely, and correctly the different combination of addresses specified in below subsection D.5.
3. The Division has evaluated the request for modification of variance location address, finds no issue with it, and recommends that the application for modification be granted subject to the same conditions of the Decision and Order in OSHSB Permanent Variance File No. 20-V-464.
4. The Board finds the above subpart D.2 referenced declaration to be credible, uncontroverted, and consistent with available, sufficient facts, and of no bearing as to the finding of equivalent occupational health and safety upon which Grant of preexisting Permanent Variance 20-V-464 was, in part, based.
5. The Board finds the correct address by which to designate the location of each elevator the subject of Permanent Variance No. 20-V-464, to be:

525 Olive Street  
San Diego, CA

E. Decision and Order:

1. Permanent Variance Application No. 20-V-464M1 is conditionally GRANTED, thereby modifying Board records, such that, without change in variance location, each elevator being the subject of Permanent Variance Nos. 20-V-464, and 20-V-464M1, shall have the following address designation:

525 Olive Street  
San Diego, CA

2. Permanent Variance No. 20-V-464, being only modified as to the subject location address specified in above Decision and Order Section 1, is otherwise unchanged and remaining in full force and effect, as hereby incorporated by reference into this Decision and Order of Permanent Variance No. 20-V-464M1.

Pursuant to California Code of Regulations, Title 8, Section 426(b), the above, duly completed Proposed Decision, is hereby submitted to the Occupational Safety and Health Standards Board for consideration of adoption.

Dated: May 26, 2022

  
\_\_\_\_\_  
Autumn Gonzalez, Hearing Officer

STATE OF CALIFORNIA  
DEPARTMENT OF INDUSTRIAL RELATIONS  
OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
2520 Venture Oaks Way, Suite 350  
Sacramento, California 95833  
(916) 274-5721

In the Matter of Application to Modify  
Permanent Variance by:

Mark A. Almeida Living Trust

OSHSB File No.: 21-V-602M1  
Proposed Decision Dated: May 26, 2022

DECISION

The Occupational Safety and Health Standards Board hereby adopts the attached  
PROPOSED DECISION by Autumn Gonzalez, Hearing Officer.

\_\_\_\_\_  
DAVID THOMAS, Chairman

\_\_\_\_\_  
BARBARA BURGEL, Member

\_\_\_\_\_  
KATHLEEN CRAWFORD, Member

\_\_\_\_\_  
DAVID HARRISON, Member

\_\_\_\_\_  
NOLA KENNEDY, Member

\_\_\_\_\_  
CHRIS LASZCZ-DAVIS, Member

\_\_\_\_\_  
LAURA STOCK, Member

OCCUPATIONAL SAFETY AND HEALTH  
STANDARDS BOARD

Date of Adoption: June 16, 2022

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YOUR PETITION FOR REHEARING MUST  
FULLY COMPLY WITH THE REQUIREMENTS  
OF CALIFORNIA CODE OF REGULATIONS,  
TITLE 8, SECTIONS 427, 427.1 AND 427.2.

Note: A copy of this Decision must be  
posted for the Applicant's employees to  
read, and/or a copy thereof must be  
provided to the employees' Authorized  
Representatives.



BEFORE THE  
 OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
 DEPARTMENT OF INDUSTRIAL RELATIONS  
 STATE OF CALIFORNIA

<p>In the Matter of Application to Modify Permanent Variance by:</p> <p style="text-align: center;">Mark A. Almeida Living Trust</p>	<p>OSHSB File No.: 21-V-602M1</p> <p style="text-align: center;"><u>PROPOSED DECISION</u></p> <p>Hearing Date: May 25, 2022</p>
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A. The following person or entity (“Applicant”) has applied for a modification of permanent variance from provisions of the Elevator Safety Orders, found at title 8 of the California Code of Regulations, for each elevator having the specified preexisting variance location address of record:

Preexisting OSHSB File No.	Applicant Name	Preexisting Variance Address of Record
21-V-602	Mark A. Almeida Living Trust	4202 Telegraph Ave. Oakland, CA

B. This proceeding is conducted in accordance with Labor Code section 143, and California Code of Regulations, title 8, section 401, et. seq.

C. Procedural Matters:

1. This hearing was held on May 25, 2022, in Sacramento, California, via teleconference, by Occupational Safety and Health Standards Board (“Board”), with Hearing Officer Autumn Gonzalez, both presiding and hearing the matter on its merit, as a basis of proposed decision to be advanced to the Board for its consideration, in accordance with California Code of Regulations, title 8, section 426.
2. At the hearing, Jennifer Linares, with Schindler Elevator Corporation, appeared on behalf of the Applicants; Mark Wickens and David Morris appeared on behalf of the Division of Occupational Safety and Health (“Division”); and Michael Nelmda appeared on behalf of Board staff, in a technical advisory role apart from the Board.
3. Documentary and oral evidence was received at the hearing, and by stipulation of all parties, documents were admitted into evidence:

<b>Exhibit Number</b>	<b>Description of Exhibit</b>
PD-1	Application for modification of Permanent Variance
PD-2	OSHSB Notice of Hearing
PD-3	Board Staff Review of Variance Application
PD-4	Division Review of Variance Application
PD-5	Review Draft-1 Proposed Decision

Official notice is taken of the Board’s files, records, recordings and decisions concerning the Elevator Safety Order requirements from which variance shall issue. On May 25, 2022, the hearing and record closed, and the matter was taken under submission by the Hearing Officer.

D. Based on the record of this hearing, the Board makes the following findings of fact:

1. The Applicant requests modification of the address of the unchanging variance location specified within Board records for each elevator the subject of previously granted Permanent Variance 21-V-602.
2. Application section 3, declared to be wholly truthful under penalty of perjury by Application signatory, states facts upon which reasonably may be based a finding that the address, specified in the records of the Board, at which Permanent Variance 21-V-602 is in effect, in fact is more completely, and correctly the different combination of addresses specified in below subsection D.5.
3. The Division has evaluated the request for modification of variance location address, finds no issue with it, and recommends that the application for modification be granted subject to the same conditions of the Decision and Order in OSHSB Permanent Variance File No. 21-V-602.
4. The Board finds the above subpart D.2 referenced declaration to be credible, uncontroverted, and consistent with available, sufficient facts, and of no bearing as to the finding of equivalent occupational health and safety upon which Grant of preexisting Permanent Variance 21-V-602 was, in part, based.
5. The Board finds the correct address by which to designate the location of each elevator the subject of Permanent Variance No. 21-V-602, to be:

4303 Telegraph Ave.  
Oakland, CA

E. Decision and Order:

1. Permanent Variance Application No. 21-V-602M1 is conditionally GRANTED, thereby modifying Board records, such that, without change in variance location, each elevator being the subject of Permanent Variance Nos. 21-V-602, and 21-V-602M1, shall have the following address designation:

4303 Telegraph Ave.  
Oakland, CA

2. Permanent Variance No. 21-V-602, being only modified as to the subject location address specified in above Decision and Order section 1, is otherwise unchanged and remaining in full force and effect, as hereby incorporated by reference into this Decision and Order of Permanent Variance No. 21-V-602M1.

Pursuant to California Code of Regulations, title 8, section 426(b), the above, duly completed Proposed Decision, is hereby submitted to the Occupational Safety and Health Standards Board for consideration of adoption.

Dated: May 26, 2022

  
\_\_\_\_\_  
Autumn Gonzalez, Hearing Officer

STATE OF CALIFORNIA  
DEPARTMENT OF INDUSTRIAL RELATIONS  
OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
2520 Venture Oaks Way, Suite 350  
Sacramento, California 95833  
(916) 274-5721

In the Matter of Application for  
Permanent Variance regarding:

KONE Monospace 300 Elevators (Group IV)

OSHSB File No.: See section A.1 table of  
Proposed Decision Dated: May 26, 2022

DECISION

The Occupational Safety and Health Standards Board hereby adopts the attached  
PROPOSED DECISION by Autumn Gonzalez, Hearing Officer.

\_\_\_\_\_  
DAVID THOMAS, Chairman

\_\_\_\_\_  
BARBARA BURGEL, Member

\_\_\_\_\_  
KATHLEEN CRAWFORD, Member

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DAVID HARRISON, Member

\_\_\_\_\_  
NOLA KENNEDY, Member

\_\_\_\_\_  
CHRIS LASZCZ-DAVIS, Member

\_\_\_\_\_  
LAURA STOCK, Member

OCCUPATIONAL SAFETY AND HEALTH  
STANDARDS BOARD

Date of Adoption: June 16, 2022

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YOUR PETITION FOR REHEARING MUST  
FULLY COMPLY WITH THE REQUIREMENTS  
OF CALIFORNIA CODE OF REGULATIONS,  
TITLE 8, SECTIONS 427, 427.1 AND 427.2.

Note: A copy of this Decision must be  
posted for the Applicant's employees to  
read, and/or a copy thereof must be  
provided to the employees' Authorized  
Representatives.

BEFORE THE  
 OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
 DEPARTMENT OF INDUSTRIAL RELATIONS  
 STATE OF CALIFORNIA

In the Matter of Application for Permanent Variance Regarding:  KONE Monospace 300 Elevators (Group IV)	OSHSB File Nos.: See Section A.1 Table Below  <u>PROPOSED DECISION</u>  Hearing Date: May 25, 2022
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A. Subject Matter:

- Each below listed applicant (“Applicant”) applied for a permanent variance from provisions of the Elevator Safety Orders, found at Title 8 of the California Code of Regulations, with respect to a conveyance, or conveyances, in the listed quantity, at the listed location:

Variance No.	Applicant Name	Variance Location Address	No. of Elevators
21-V-636	Frank Busalacchi Jr	1221 S Auto Center Dr Anaheim, CA	1
22-V-043	Emanate Health	1115 S. Sunset Ave West Covina, CA	1
22-V-091	Emanate Health	1115 S. Sunset Ave (Parking) West Covina, CA	2
22-V-094	City of Santa Monica	2500 Michigan Avenue Building G Santa Monica, CA	1
22-V-126	Claremont Graduate University	176 E 8th Street Claremont, CA	1

- The subject Title 8, safety order requirements are set out within California Code of Regulations, Title 8, Section 3141 incorporated ASME A17.1-2004, Sections 2.18.5.1 and 2.20.4.

B. Procedural:

- This hearing was held on May 25, 2022, in Sacramento, California, via teleconference, by delegation of the Occupational Safety and Health Standards Board (“Board”), with

*Proposed Variance Decision*  
*KONE Monospace 300 Elevators (Group IV)*  
*Hearing Date: May 25, 2022*

Hearing Officer Autumn Gonzalez, both presiding and hearing the matter on its merit, as a basis of proposed decision to be advanced to the Board for its consideration, in accordance with California Code of Regulations, Title 8, Section 426.

2. At the hearing, Fuei Saetern, with KONE, Inc., appeared on behalf of each Applicant; Mark Wickens and David Morris appeared on behalf of the Division of Occupational Safety and Health (“Division”), and Michael Nelmidia appeared on behalf of Board staff in a technical advisory capacity apart from the Board.
3. Documentary and oral evidence was received at the hearing, and by stipulation of all parties, documents were admitted into evidence:

<b>Exhibit Number</b>	<b>Description of Exhibit</b>
PD-1	Application(s) for Permanent Variance per section A.1 table
PD-2	OSHSB Notice of Hearing
PD-3	Board Staff Review of Variance Application
PD-4	Division Review of Variance Application
PD-5	Review Draft-1 Proposed Decision

Official notice is taken of the Board’s files, records, recordings and decisions concerning the Elevator Safety Order requirements from which variance shall issue. On May 25, 2022, the hearing and record closed, and the matter was taken under submission by the Hearing Officer.

- C. Findings of Fact—Based on the record of this proceeding, the Board finds the following:
1. Each respective Applicant intends to utilize the KONE Inc. Monospace 300 type elevator, in the quantity, at the location, specified per the above Section A.1 table.
  2. The installation contract for this elevator was or will be signed on or after May 1, 2008, thus making the elevator subject to the Group IV Elevator Safety Orders.
  3. Each Applicant proposes to use hoisting ropes that are 8 mm in diameter which also consist of 0.51 mm diameter outer wires, in variance from the express requirements of ASME A17.1-2004, Section 2.20.4.
  4. In relevant part, ASME A17.1-2004, Section 2.20.4 states:

*2.20.4 Minimum Number and Diameter of Suspension Ropes*

*...The minimum diameter of hoisting and counterweight ropes shall be 9.5 mm (0.375 in.). Outer wires of the ropes shall be not less than 0.56 mm (0.024 in.) in diameter.*

*Proposed Variance Decision*  
*KONE Monospace 300 Elevators (Group IV)*  
*Hearing Date: May 25, 2022*

5. An intent of the afore cited requirement of ASME A17.1-2004, Section 2.20.4, is to ensure that the number, diameter, and construction of suspension ropes are adequate to provided safely robust and durable suspension means over the course of the ropes' foreseen service life.
6. KONE has represented to Division and Board staff, having established an engineering practice for purposes of Monospace 300 elevator design, of meeting or exceeding the minimum factor of safety of 12 for 8 mm suspension members, as required in ASME A17.1-2010, Section 2.20.3—under which, given that factor of safety, supplemental broken suspension member protection is not required.
7. Also, each Applicant proposes as a further means of maintaining safety equivalence, monitoring the rope in conformity with the criteria specified within the *Inspector's Guide to 6 mm Diameter Governor and 8 mm Diameter Suspension Ropes for KONE Elevators* (per Application attachment "B", or as thereafter revised by KONE subject to Division approval).
8. In addition, each Applicant has proposed to utilize 6 mm diameter governor ropes in variance from Title 8, Section 3141, incorporated ASME A17.1-2004, Section 2.18.5.1.
9. ASME A17.1-2004, Section 2.18.5.1, specifies, in relevant part:

*2.18.5.1 Material and Factor of Safety.*

*... [Governor ropes] not less than 9.5 mm (0.375 in.) in diameter. The factor of safety of governor ropes shall be not less than 5...*

10. The Board takes notice of Title 8, Elevator Safety Order Section 3141.7, subpart (a)(10):

*A reduced diameter governor rope of equivalent construction and material to that required by ASME A17.1-2004, is permissible if the factor of safety as related to the strength necessary to activate the safety is 5 or greater;*

11. Applicants propose use of 6mm governor rope having a safety factor of 5 or greater, in conformity with Section 3141.7(a)(10), the specific parameters of which, being expressly set out within Title 8, Elevator Safety Orders, take precedence over more generally referenced governor rope diameter requirements per ASME A17.1-2004, Section 2.18.5.1. Accordingly, the governor rope specifications being presently proposed, inclusive of a factor of safety of 5 or greater, would comply with current Title 8, Elevator Safety Orders requirements, and therefore not be subject to issuance of permanent variance.

12. Absent evident diminution in elevator safety, over the past decade the Board has issued numerous permanent variances for use in KONE (Ecospace) elevator systems of 8 mm diameter suspension rope materially similar to that presently proposed (e.g. OSHSB File Nos. 06-V-203, 08-V-245, and 13-V-303).
13. As noted by the Board in OSHSB File Nos. 18-V-044, and 18-V-045, Decision and Order Findings, subpart B.17 (hereby incorporated by reference), the strength of wire rope operating as an elevator's suspension means does not remain constant over its years of projected service life. With increasing usage cycles, a reduction in the cross-sectional area of the wire rope normally occurs, resulting in decreased residual strength. This characteristic is of particular relevance to the present matter because, as also noted by Board staff, decreasing wire rope diameter is associated with a higher rate of residual strength loss. This foreseeable reduction in cross-sectional area primarily results from elongation under sheave rounding load, as well as from wear, and wire or strand breaks. However, these characteristics need not compromise elevator safety when properly accounted for in the engineering of elevator suspension means, and associated components.
14. The presently proposed wire rope is Wuxi Universal steel rope Co LTD. 8 mm 8x19S+8x7+PP, with a manufacturer rated breaking strength of 35.8 kN, and an outer wire diameter of less than 0.56 mm, but not less than 0.51 mm. Both Board staff and Division safety engineers have scrutinized the material and structural specifications, and performance testing data, of this particular proposed rope, and conclude it will provide for safety equivalent to ESO compliant 9.5 mm wire rope, with 0.56 mm outer wire (under conditions of use included within the below Decision and Order).
15. The applicant supplies tabulated data regarding the "Maximum Static Load on All Suspension Ropes." To obtain the tabulated data, the applicant uses the following formula derived from ASME A17.1 2004, Section 2.20.3:

$$W = (S \times N) / f$$

*where*

*W = maximum static load imposed on all car ropes with the car and its rated load at any position in the hoistway*

*N = number of runs of rope under load. For 2:1 roping, N shall be two times the number of ropes used, etc.*

*S = manufacturer's rated breaking strength of one rope*

*f = the factor of safety from Table 2.20.3*



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16. ASME A17.1-2010 Sections 2.20.3 and 2.20.4 utilize the same formula, but provide for use of suspension ropes having a diameter smaller than 9.5 mm, under specified conditions, key among them being that use of ropes having a diameter of between 8 mm to 9.5 mm be engineered with a factor of safety of 12 or higher. This is a higher minimum factor of safety than that proposed by Applicant, but a minimum recommended by both Board staff and Division as a condition of variance necessary to the achieving of safety equivalence to 9.5 mm rope.
17. Board staff and Division are in accord with Applicant, in proposing as a condition of safety equivalence, that periodic physical examination of the wire ropes be performed to confirm the ropes continue to meet the criteria set out in the (Application attachment) *Inspector's Guide to 6 mm Diameter Governor and 8 mm Diameter Suspension Ropes for KONE Elevators*. Adherence to this condition will provide an additional assurance of safety equivalence, regarding smaller minimum diameter suspension rope outer wire performance over the course of its service life.
18. Both Board staff, and Division, by way of written submissions to the record (Exhibits PD-3 and PD-4 respectively), and stated positions at hearing, are of the well informed opinion that grant of permanent variance, as limited and conditioned per the below Decision and Order will provide employment, places of employment, and subject conveyances, as safe and healthful as would prevail given non-variant conformity with the Elevator Safety Order requirements from which variance has been requested.

D. Conclusive Findings:

The above stated procedural prerequisites, legal authority, and factual findings, as further supported by the documentary record and hearing testimony in this matter, provide a substantive and reasonable basis of conclusion that: (1) Each Applicant has complied with the statutory and regulatory requirements that must be met before an application for permanent variance may be conditionally granted; and (2) a preponderance of the evidence establishes that each Applicants proposal, subject to all conditions and limitations set forth in the below Decision and Order, will provide equivalent safety and health to that which would prevail upon full compliance with the requirements of California Code of Regulation, Title 8, Elevator Safety Orders from which variance is being sought.

E. Decision and Order:

Each Application being the subject of this proceeding, per above Section A.1 table, is conditionally GRANTED, to the extent that each such Applicant shall be issued permanent variance from California Code of Regulations, Title 8, Section 3141 incorporated ASME A17.1-2004, Section 2.20.4, in as much as it precludes use of suspension rope of between 8 mm and 9.5 mm, or outer wire of between 0.51 mm and 0.56 mm in diameter, at

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*KONE Monospace 300 Elevators (Group IV)*  
*Hearing Date: May 25, 2022*

such locations and numbers of Group IV KONE Monospace 300 elevators identified in each respective Application, subject to the following conditions:

1. The diameter of the hoisting steel ropes shall be not less than 8 mm (0.315 in) diameter and the roping ratio shall be two to one (2:1).
2. The outer wires of the suspension ropes shall be not less than 0.51 mm (0.02 in.) in diameter.
3. The number of suspension ropes shall be not fewer than those specified per hereby incorporated Decision and Order Appendix 1 Table.
4. The ropes shall be inspected annually for wire damage (rouge, valley break etc.) in accordance with "KONE Inc. Inspector's Guide to 6 mm diameter and 8 mm diameter steel ropes for KONE Elevators" (per Application Exhibit B, or as thereafter amended by KONE subject to Division approval).
5. A rope inspection log shall be maintained and available in the elevator controller room / space at all times.
6. The elevator rated speed shall not exceed those speeds specified per the Decision and Order Appendix 1 Table.
7. The maximum suspended load shall not exceed those weights (plus 5%) specified per the Decision and Order Appendix 1 Table.
8. The opening to the hoistway shall be effectively barricaded when car top inspection, maintenance, servicing, or testing of the elevator equipment in the hoistway is required. If the service personnel must leave the area for any reason, the hoistway and control room doors shall be closed.
9. The installation shall meet the suspension wire rope factor of safety requirements of ASME A17.1-2013 Section 2.20.3.
10. Any Certified Qualified Conveyance Company performing inspections, maintenance, servicing or testing the elevators shall be provided a copy of this variance decision.
11. The Division shall be notified when the elevator is ready for inspection. The elevator shall be inspected by the Division and a "Permit to Operate" issued before the elevator is placed in service.
12. The Applicant shall comply with suspension means replacement reporting condition per hereby incorporated Decision and Order Appendix 2.

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13. The Applicant shall notify its employees or their authorized representative(s), or both, of this order in the same way and to the same extent that employees and authorized representatives are to be notified of docketed permanent variance applications pursuant to California Code of Regulations, Title 8, Sections 411.2 and 411.3.
14. This Decision and Order shall remain in effect unless modified or revoked upon application by the Applicant, affected employee(s), the Division of Occupational Safety and Health, or by the Board on its own motion, in accordance with procedures per Title 8, Division 1, Chapter 3.5.

Pursuant to California Code of Regulations, Title 8, Section 426(b), the above, duly completed Proposed Decision, is hereby submitted to the Occupational Safety and Health Standards Board for consideration of adoption.

Dated: May 26, 2022

  
\_\_\_\_\_  
Autumn Gonzalez, Hearing Officer

**Appendix 1**

Monospace 300 Suspension Ropes Appendix 1 Table				
OSHSB File No.	Elevator ID	Minimum Quantity of Ropes (per Condition 3)	Maximum Speed in Feet per Minute (per Condition 6)	Maximum Suspended Load (per Condition 7)
21-V-636	1	5	150	8,748
22-V-043	1	5	150	8,748
22-V-091	1	8	150	13,997
22-V-091	2	8	150	13,997
22-V-094	1	7	150	12,247
22-V-126	1	7	150	12,247

## **Appendix 2**

### **Suspension Means Replacement Reporting Condition**

Beginning on the date the Board adopts this Proposed Decision and continuing for a period of two years, the Applicant shall report to the Division within 30 days any and all replacement activity performed on the elevator(s) pursuant to the requirements of ASME A17.1-2004, Section 8.6.3 involving the suspension means or suspension means fastenings. Further:

1. A separate report for each elevator shall be submitted, in a manner acceptable to the Division, to the following address (or to such other address as the Division might specify in the future): DOSH Elevator Unit, 2 MacArthur Place, Suite 700, Santa Ana, CA 92707, Attn: Engineering Section.
2. Each such report shall contain, but not necessarily be limited to, the following information:
  - a. The State-issued conveyance number, complete address, and OSHSB file number that identifies the permanent variance.
  - b. The business name, complete address, telephone number, and contact person of the elevator responsible party (presumably the Applicant or the subsequent holder of this variance).
  - c. The business name, complete address, telephone number, and Certified Qualified Conveyance Company (CQCC) certification number of the firm performing the replacement work.
  - d. The name (as listed on certification), Certified Competent Conveyance Mechanic (CCCM) certification number, certification expiration date, and signature of each CCCM performing the replacement work.
  - e. The date and time the elevator was removed from normal service for suspension replacement, the date and time the replacement work commenced, the date and time the replacement work was completed, and the date and time the elevator was returned to normal service.
  - f. A detailed description of, and clear color photographs depicting, (1) all the conditions that existed in the suspension components requiring their replacement and (2) any conditions that existed to cause damage or distress to the suspension components being replaced.
  - g. A detailed list of all elevator components adjusted, repaired, or replaced in conjunction with the suspension component replacement.

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*Hearing Date: May 25, 2022*

- h. All information provided on the crosshead data plate per ASME A17.1-2004, Section 2.20.2.1, unless that ASME requirement is modified by the conditions of a variance that pertains to the elevator in question, in which case, the information to be reported shall be the information required by the ASME provision as modified by the variance.
  - i. For the suspension means being replaced, all information provided on the data tag required per ASME A17.1-2004, Section 2.20.2.2, unless that ASME requirement is modified by the conditions of a variance that pertains to the elevator in question, in which case, the information to be reported shall be the information required by the ASME provision as modified by the variance.
  - j. For the replacement suspension means, all information provided on the data tag required by ASME A17.1-2004, Section 2.20.2.2, unless that ASME requirement is modified by the conditions of a variance that pertains to the elevator in question, in which case, the information to be reported shall be the information required by the ASME provision as modified by the variance.
  - k. Any other information requested by the Division regarding the replacement of the suspension means or fastenings.
3. In addition to the submission of the report to the Division, the findings of any testing, failure analysis, or other engineering evaluations performed on any portion of the replaced suspension components, or other elevator components replaced in conjunction therewith, shall be submitted to the Division referencing the information contained in above Appendix 2, Section 2, Subsection (a), above.

STATE OF CALIFORNIA  
DEPARTMENT OF INDUSTRIAL RELATIONS  
OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
2520 Venture Oaks Way, Suite 350  
Sacramento, California 95833  
(916) 274-5721

In the Matter of Application for  
Permanent Variance regarding:

Otis Elevators Gen3 Edge/Gen2S (Group IV)

OSHSB File No.: See section A table of  
Proposed Decision Dated: May 26, 2022

DECISION

The Occupational Safety and Health Standards Board hereby adopts the attached  
PROPOSED DECISION by Autumn Gonzalez, Hearing Officer.

\_\_\_\_\_  
DAVID THOMAS, Chairman

\_\_\_\_\_  
BARBARA BURGEL, Member

\_\_\_\_\_  
KATHLEEN CRAWFORD, Member

\_\_\_\_\_  
DAVID HARRISON, Member

\_\_\_\_\_  
NOLA KENNEDY, Member

\_\_\_\_\_  
CHRIS LASZCZ-DAVIS, Member

\_\_\_\_\_  
LAURA STOCK, Member

OCCUPATIONAL SAFETY AND HEALTH  
STANDARDS BOARD

Date of Adoption: June 16, 2022

THE FOREGOING VARIANCE DECISION WAS  
ADOPTED ON THE DATE INDICATED ABOVE.  
IF YOU ARE DISSATISFIED WITH THE  
DECISION, A PETITION FOR REHEARING  
MAY BE FILED BY ANY PARTY WITH THE  
STANDARDS BOARD WITHIN TWENTY (20)  
DAYS AFTER SERVICE OF THE DECISION.  
YOUR PETITION FOR REHEARING MUST  
FULLY COMPLY WITH THE REQUIREMENTS  
OF CALIFORNIA CODE OF REGULATIONS,  
TITLE 8, SECTIONS 427, 427.1 AND 427.2.

Note: A copy of this Decision must be  
posted for the Applicant's employees to  
read, and/or a copy thereof must be  
provided to the employees' Authorized  
Representatives.

BEFORE THE  
 OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
 DEPARTMENT OF INDUSTRIAL RELATIONS  
 STATE OF CALIFORNIA

<p>In the Matter of Application for Permanent Variance Regarding:</p> <p>Otis Elevators Gen3 Edge/Gen2S (Group IV)</p>	<p>OSHSB File Nos.: See section A table below</p> <p><u>PROPOSED DECISION</u></p> <p>Hearing Date: May 25, 2022</p>
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A. Subject Matter

- Each below listed applicant (“Applicant”) has applied for permanent variances from provisions of the Elevator Safety Orders, found at title 8 of the California Code of Regulations, with respect to the listed conveyance or conveyances, in the specified quantity, at the specified location:

Variance No.	Applicant Name	Variance Location Address	No. of Elevators
21-V-667	State of California Department of General Services	300 California Drive Yountville, CA	5
21-V-684	Sierra Joint Community College District	New Instructional Building 5100 Sierra College Blvd Rocklin, CA	1
22-V-064	Vallejo PSH, L.P.	2118 Sacramento Street Vallejo, CA	2
22-V-110	Poets Corner Place LLC	2435 San Pablo Avenue Berkeley, CA	1
22-V-113	303 Baldwin LP	303 Baldwin Avenue San Mateo, CA	3
22-V-115	Mainplace MF 1, LLC	Main Place Mall Apartments 2727 N. Main Place Drive Santa Ana, CA	2
22-V-116	Mainplace MF 1, LLC	Main Place Mall Parking Structure 2727 N. Main Place Drive Santa Ana, CA	2
22-V-121	R&S Ashby LLC	3006 San Pablo Ave Berkeley, CA	1



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22-V-123	Sonoma County Junior College District	SRJC Campus Housing Armory Drive and Elliott Avenue 1501 Mendocino Avenue Santa Rosa, CA	2
22-V-128	ARE-SD Region No. 72, LLC	Scripps Ranch Tech Park Lot 7 & 8 10102 Hoyt Park Dr. San Diego, CA	1

2. The safety orders from which variance may issue, are enumerated in the portion of the below Decision and Order preceding the variance conditions.

**B. Procedural**

1. This proceeding is conducted in accordance with Labor Code section 143, and California Code of Regulations, title 8, section 401, et. seq.
2. This hearing was held on May 25, 2022, in Sacramento, California, and via teleconference, by Occupational Safety and Health Standards Board (“Board”), with Hearing Officer Autumn Gonzalez, both presiding and hearing the matter on its merit, as a basis of proposed decision to be advanced to the Board for its consideration, in accordance with California Code of Regulations, title 8, section 426.
3. At the hearing, Dan Leacox of Leacox & Associates, and Wolter Geesink with Otis Elevator, appeared on behalf of each Applicant; Mark Wickens and David Morris appeared on behalf of the Division of Occupational Safety and Health (“Division”), and Michael Nelmidia appeared on behalf of Board staff, in a technical advisory role apart from the Board.
4. Oral evidence was received at the hearing, and by stipulation of all parties, documents were admitted into evidence:

<b>Exhibit Number</b>	<b>Description of Exhibit</b>
PD-1	Permanent variance applications per Section A.1 table
PD-2	OSHSB Notice of Hearing
PD-3	Board Staff Reviews of Variance Application
PD-4	Division Reviews of Variance Application
PD-5	Review Draft-1 Proposed Decision

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*Otis Gen3 Edge/Gen2S Elevators (Group IV)*

*Hearing Date: May 25, 2022*

Official notice is taken of the Board's rulemaking records, and variance files and decisions, concerning the Elevator Safety Order standards at issue. At close of hearing on May 25, 2022, the record was closed, and the matter taken under submission by the Hearing Officer.

C. Findings and Basis:

Based on the record of this hearing, the Board makes the following findings of fact:

1. Each Applicant intends to utilize Otis Gen3 Edge/Gen2S elevators at the locations and in the numbers stated in the above section A table.
2. The installation contracts for these elevators were or will be signed on or after May 1, 2008, making the elevators subject to the Group IV Elevator Safety Orders.
3. The Board incorporates by reference Items (i.e. sections) D.3 through D.9 of the Proposed Decision adopted by the Board on July 18, 2013 regarding OSHSB File No. 12-V-093 and Item D.4 of the Proposed Decision adopted by the Board on September 25, 2014 in OSHSB File No. 14-V-206.
4. Both Board staff and Division, by way of written submissions to the record (Exhibits PD-3 and PD-4 respectively), and positions stated at hearing, are of the well informed opinion that grant of requested permanent variance, as limited and conditioned per the below Decision and Order will provide employment, places of employment, and subject conveyances, as safe and healthful as would prevail given non-variant conformity with the Elevator Safety Order requirements from which variance has been requested.

D. Conclusive Findings:

The above stated procedural prerequisites, legal authority, and factual findings, as further supported by the documentary record and hearing testimony in this matter, provide a substantive and reasonable basis of conclusion that: (1) Each Applicant has complied with the statutory and regulatory requirements that must be met before an application for permanent variance may be conditionally granted; and (2) a preponderance of the evidence establishes that each Applicants proposal, subject to all conditions and limitations set forth in the below Decision and Order, will provide equivalent safety and health to that which would prevail upon full compliance with the requirements of California Code of Regulation, title 8, Elevator Safety Orders from which variance is being sought.

E. Decision and Order:

Each permanent variance application the subject of this proceeding is conditionally GRANTED as specified below, and to the extent, as of the date the Board adopts this Proposed Decision, each Applicant listed in the above section A table shall have permanent variances from California Code of Regulations, title 8, section 3141 and from the following sections of ASME A17.1-2004 that section 3141 makes applicable to the elevators the subject of those applications:

- Car top railing: sections 2.14.1.7.1 (only to the extent necessary to permit an inset car top railing, if, in fact, the car top railing is inset);
- Speed governor over-speed switch: 2.18.4.2.5(a) (only insofar as is necessary to permit the use of the speed reducing system proposed by the Applicants, where the speed reducing switch resides in the controller algorithms, rather than on the governor, with the necessary speed input supplied by the main encoder signal from the motor);
- Governor rope diameter: 2.18.5.1 (only to the extent necessary to allow the use of reduced diameter governor rope);
- Pitch diameter: 2.18.7.4 (to the extent necessary to use the pitch diameter specified in Condition No. 13.c);
- Suspension means: 2.20.1, 2.20.2.1, 2.20.2.2(a), 2.20.2.2(f), 2.20.3, 2.20.4, 2.20.9.3.4 and 2.20.9.5.4—the variances from these “suspension means” provisions are only to the extent necessary to permit the use of Otis Gen2 flat coated steel suspension belts in lieu of conventional steel suspension ropes;
- Inspection transfer switch: 2.26.1.4.4(a) (only to the extent necessary to allow the inspection transfer switch to reside at a location other than a machine room, if, in fact, it does not reside in the machine room); and
- Seismic reset switch: 8.4.10.1.1(a)(2)(b) (only to the extent necessary to allow the seismic reset switch to reside at a location other than a machine room, if, in fact, it does not reside in the machine room).

These variances apply to the locations and numbers of elevators stated in the section A table (so long as the elevators are Gen3 Edge Group IV devices that are designed, equipped, and installed in accordance with, and are otherwise consistent with, the representations made in the Otis Master File [referred to in previous proposed decisions as the “Gen2

Master File”) maintained by the Board, as that file was constituted at the time of this hearing) and are subject to the following conditions:

1. The suspension system shall comply with the following:
  - a. The coated steel belt and connections shall have factors of safety equal to those permitted for use by section 3141 [ASME A17.1-2004, section 2.20.3] on wire rope suspended elevators.
  - b. Steel coated belts that have been installed and used on another installation shall not be reused.
  - c. The coated steel belt shall be fitted with a monitoring device which has been accepted by the Division and which will automatically stop the car if the residual strength of any single belt drops below 60 percent. If the residual strength of any single belt drops below 60 percent, the device shall prevent the elevator from restarting after a normal stop at a landing.
  - d. Upon initial inspection, the readings from the monitoring device shall be documented and submitted to the Division.
  - e. A successful test of the monitoring device’s functionality shall be conducted at least once a year (the record of the annual test of the monitoring device shall be a maintenance record subject to ASME A17.1-2004, section 8.6.1.4).
  - f. The coated steel belts used shall be accepted by the Division.
2. With respect to each elevator subject to this variance, the applicant shall comply with Division Circular Letter E-10-04, the substance of which is attached hereto as Addendum 1 and incorporated herein by this reference.
3. The Applicant shall not utilize the elevator unless the manufacturer has written procedures for the installation, maintenance, inspection, and testing of the belts and monitoring device and criteria for belt replacement, and the applicant shall make those procedures and criteria available to the Division upon request.
4. The flat coated steel belts shall be provided with a metal data tag that is securely attached to one of those belts. This data tag shall bear the following flat steel coated belt data:
  - a. The width and thickness in millimeters or inches;

*Proposed Variance Decision*

*Otis Gen3 Edge/Gen2S Elevators (Group IV)*

*Hearing Date: May 25, 2022*

- b. The manufacturer's rated breaking strength in (kN) or (lbf);
  - c. The name of the person or organization that installed the flat coated steel belts;
  - d. The month and year the flat coated steel belts were installed;
  - e. The month and year the flat coated steel belts were first shortened;
  - f. The name or trademark of the manufacturer of the flat coated steel belts; and
  - g. Lubrication information.
5. There shall be a crosshead data plate of the sort required by section 2.20.2.1, and that plate shall bear the following flat steel coated belt data:
- a. The number of belts;
  - b. The belt width and thickness in millimeters or inches; and
  - c. The manufacturer's rated breaking strength per belt in (kN) or (lbf).
6. The opening to the hoistway shall be effectively barricaded when car top inspection, maintenance, servicing, or testing of elevator equipment in the hoistway is required. If service personnel must leave the area for any reason, the hoistway and control room doors shall be closed.
7. If there is an inset car top railing:
- a. Serviceable equipment shall be positioned so that mechanics and inspectors do not have to climb on railings to perform adjustment, maintenance, repairs or inspections. The applicant shall not permit anyone to stand on or climb over the car top railing.
  - b. The distance that the car top railing may be inset shall be limited to no more than 6 inches.
  - c. All exposed areas outside the car top railing shall preclude standing or placing objects or persons which may fall and shall be beveled from the mid- or top rail to the outside of the car top.

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- d. The top of the beveled area and/or car top outside the railing, shall be clearly marked. The markings shall consist of alternating 4 inch diagonal red and white stripes.
- e. The applicant shall provide durable signs with lettering not less than ½ inch on a contrasting background on each inset railing; each sign shall state:

**CAUTION**

**DO NOT STAND ON OR CLIMB OVER RAILING**

- f. The Group IV requirements for car top clearances shall be maintained (car top clearances outside the railing shall be measured from the car top and not from the required bevel).
- 8. If the seismic reset switch does not reside in a machine room, that switch shall not reside in the elevator hoistway. The switch shall reside in the inspection and test control panel located in one upper floor hoistway door jamb or in the control space (outside the hoistway) used by the motion controller.
  - 9. If the inspection transfer switch required by ASME A17.1, rule 2.26.1.4.4(a) does not reside in a machine room, that switch shall not reside in the elevator hoistway. The switch shall reside in the inspection and test control panel located in one upper floor hoistway door jamb or in the control space (outside the hoistway) used by the motion controller.
  - 10. When the inspection and testing panel is located in the hoistway door jamb, the inspection and test control panel shall be openable only by use of a Security Group I restricted key.
  - 11. The elevator shall be serviced, maintained, adjusted, tested, and inspected only by Certified Competent Conveyance Mechanics who have been trained to, and are competent to, perform those tasks on the Gen3 Edge elevator system in accordance with the written procedures and criteria required by Condition No. 3 and in accordance with the terms of this permanent variance.
  - 12. The governor speed-reducing switch function shall comply with the following:
    - a. It shall be used only with direct drive machines; i.e., no gear reduction is permitted between the drive motor and the suspension means.

*Proposed Variance Decision*

*Otis Gen3 Edge/Gen2S Elevators (Group IV)*

*Hearing Date: May 25, 2022*

- b. The velocity encoder shall be coupled to the driving machine motor shaft. The “C” channel of the encoder shall be utilized for velocity measurements required by the speed reducing system. The signal from “C” channel of the encoder shall be verified with the “A” and “B” channels for failure. If a failure is detected then an emergency stop shall be initiated.
  - c. Control system parameters utilized in the speed-reducing system shall be held in non-volatile memory.
  - d. It shall be used in conjunction with approved car-mounted speed governors only.
  - e. It shall be used in conjunction with an effective traction monitoring system that detects a loss of traction between the driving sheave and the suspension means. If a loss of traction is detected, then an emergency stop shall be initiated.
  - f. A successful test of the speed-reducing switch system’s functionality shall be conducted at least once a year (the record of the annual test of the speed-reducing switch system shall be a maintenance record subject to ASME A17.1-2004, section 8.6.1.4).
  - g. A successful test of the traction monitoring system’s functionality shall be conducted at least once a year (the record of the annual test of the traction monitoring system shall be a maintenance record subject to ASME A17.1-2004, section 8.6.1.4).
  - h. The Applicant shall not utilize the elevator unless the manufacturer has written procedures for the maintenance, inspection, and testing of the speed-reducing switch and traction monitoring systems. The Applicant shall make the procedures available to the Division upon request.
13. The speed governor rope and sheaves shall comply with the following:
- a. The governor shall be used in conjunction with a 6 mm (0.25 in.) diameter steel governor rope with 6-strand, regular lay construction.
  - b. The governor rope shall have a factor of safety of 8 or greater as related to the strength necessary to activate the safety.
  - c. The governor sheaves shall have a pitch diameter of not less than 180 mm (7.1 in.).
14. Any Certified Qualified Conveyance Company performing inspections, maintenance, servicing, or testing of the elevators shall be provided a copy of this variance decision.

*Proposed Variance Decision  
Otis Gen3 Edge/Gen2S Elevators (Group IV)  
Hearing Date: May 25, 2022*

15. The Division shall be notified when the elevator is ready for inspection. The elevator shall be inspected by the Division, and a Permit to Operate shall be issued before the elevator is placed in service.
16. The Applicant shall be subject to the Suspension Means – Replacement Reporting Condition stated in Addendum 2, as hereby incorporated by this reference.
17. The Applicant shall notify its employees or their authorized representative(s), or both, of this order in the same way and to the same extent that employees and authorized representatives are to be notified of docketed permanent variance applications pursuant to California Code of Regulations, title 8, sections 411.2 and 411.3.
18. This Decision and Order shall remain in effect unless modified or revoked upon application by the Applicant, affected employee(s), the Division of Occupational Safety and Health, or by the Board on its own motion, in accordance with procedures per title 8, Division 1, Chapter 3.5.

Pursuant to California Code of Regulations, Title 8, Section 426(b), the above, duly completed Proposed Decision, is hereby submitted to the Occupational Safety and Health Standards Board for consideration of adoption.

Dated: May 26, 2022

  
\_\_\_\_\_  
Autumn Gonzalez, Hearing Officer



**ADDENDUM 1**

October 6, 2010

**CIRCULAR LETTER E-10-04**

TO: Installers, Manufacturers of Conveyances and Related Equipment and, Other Interested Parties

SUBJECT: Coated Steel Belt Monitoring

The Elevator Safety Orders require routine inspection of the suspension means of an elevator to assure its safe operation.

The California Labor Code section 7318 allows the Division to promulgate special safety orders in the absence of regulation.

As it is not possible to see the steel cable suspension means of a Coated Steel Belt, a monitoring device which has been accepted by the Division is required on all Coated Steel Belts which will automatically stop the car if the residual strength of any belt drops below 60%. The Device shall prevent the elevator from restarting after a normal stop at a landing.

The monitoring device must be properly installed and functional. A functioning device may be removed only after a determination has been made that the residual strength of each belt exceeds 60%. These findings and the date of removal are to be conspicuously documented in the elevator machine room. The removed device must be replaced or returned to proper service within 30 days.

If upon routine inspection, the monitoring device is found to be in a non-functional state, the date and findings are to be conspicuously documented in the elevator machine room.

If upon inspection by the Division, the monitoring device is found to be non-functional or removed, and the required documentation is not in place, the elevator will be removed from service.

If the device is removed to facilitate belt replacement, it must be properly installed and functional before the elevator is returned to service.

A successful test of the device's functionality shall be conducted once a year.

This circular does not preempt the Division from adopting regulations in the future, which may address the monitoring of Coated Steel Belts or any other suspension means.

This circular does not create an obligation on the part of the Division to permit new conveyances utilizing Coated Steel Belts.

Debra Tudor  
Principal Engineer  
DOSH-Elevator Unit HQS

**ADDENDUM 2**

**Suspension Means – Replacement Reporting Condition**

Beginning on the date the Board adopts this Proposed Decision and continuing for a period of two years, the Applicant shall report to the Division within 30 days any and all replacement activity performed on the elevator(s) pursuant to the requirements of ASME A17.1-2004, section 8.6.3 involving the suspension means or suspension means fastenings.

Further:

1. A separate report for each elevator shall be submitted, in a manner acceptable to the Division, to the following address (or to such other address as the Division might specify in the future): DOSH Elevator Unit, 2 MacArthur Place, Suite 700, Santa Ana, CA 92707, Attn: Engineering Section.
2. Each such report shall contain, but not necessarily be limited to, the following information:
  - a. The State-issued conveyance number, complete address, and OSHSB file number that identifies the permanent variance.
  - b. The business name, complete address, telephone number, and contact person of the elevator responsible party (presumably the Applicant or the subsequent holder of this variance).
  - c. The business name, complete address, telephone number, and Certified Qualified Conveyance Company (CQCC) certification number of the firm performing the replacement work.
  - d. The name (as listed on certification), Certified Competent Conveyance Mechanic (CCCM) certification number, certification expiration date, and signature of each CCCM performing the replacement work.
  - e. The date and time the elevator was removed from normal service for suspension replacement, the date and time the replacement work commenced, the date and time the replacement work was completed, and the date and time the elevator was returned to normal service.

*Proposed Variance Decision*

*Otis Gen3 Edge/Gen2S Elevators (Group IV)*

*Hearing Date: May 25, 2022*

- f. A detailed description of, and clear color photographs depicting, (1) all the conditions that existed in the suspension components requiring their replacement and (2) any conditions that existed to cause damage or distress to the suspension components being replaced.
  - g. A detailed list of all elevator components adjusted, repaired, or replaced in conjunction with the suspension component replacement.
  - h. All information provided on the crosshead data plate per ASME A17.1-2004, section 2.20.2.1, unless that ASME requirement is modified by the conditions of a variance that pertains to the elevator in question, in which case, the information to be reported shall be the information required by the ASME provision as modified by the variance.
  - i. For the suspension means being replaced, all information provided on the data tag required per ASME A17.1-2004, section 2.20.2.2, unless that ASME requirement is modified by the conditions of a variance that pertains to the elevator in question, in which case, the information to be reported shall be the information required by the ASME provision as modified by the variance.
  - j. For the replacement suspension means, all information provided on the data tag required by ASME A17.1-2004, section 2.20.2.2, unless that ASME requirement is modified by the conditions of a variance that pertains to the elevator in question, in which case, the information to be reported shall be the information required by the ASME provision as modified by the variance.
  - k. Any other information requested by the Division regarding the replacement of the suspension means or fastenings.
3. In addition to the submission of the report to the Division, the findings of any testing, failure analysis, or other engineering evaluations performed on any portion of the replaced suspension components, or other elevator components replaced in conjunction therewith, shall be submitted to the Division referencing the information contained in item 2a above.

STATE OF CALIFORNIA  
DEPARTMENT OF INDUSTRIAL RELATIONS  
OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
2520 Venture Oaks Way, Suite 350  
Sacramento, California 95833  
(916) 274-5721

In the Matter of Application for  
Permanent Variance by:

Target Corporation

OSHSB File No.: See Section A.1 table of  
Proposed Decision Dated: May 26, 2022

DECISION

The Occupational Safety and Health Standards Board hereby adopts the attached  
PROPOSED DECISION by Autumn Gonzalez, Hearing Officer.

\_\_\_\_\_  
DAVID THOMAS, Chairman

\_\_\_\_\_  
BARBARA BURGEL, Member

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KATHLEEN CRAWFORD, Member

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DAVID HARRISON, Member

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NOLA KENNEDY, Member

\_\_\_\_\_  
CHRIS LASZCZ-DAVIS, Member

\_\_\_\_\_  
LAURA STOCK, Member

OCCUPATIONAL SAFETY AND HEALTH  
STANDARDS BOARD

Date of Adoption: June 16, 2022

THE FOREGOING VARIANCE DECISION WAS  
ADOPTED ON THE DATE INDICATED ABOVE.  
IF YOU ARE DISSATISFIED WITH THE  
DECISION, A PETITION FOR REHEARING  
MAY BE FILED BY ANY PARTY WITH THE  
STANDARDS BOARD WITHIN TWENTY (20)  
DAYS AFTER SERVICE OF THE DECISION.  
YOUR PETITION FOR REHEARING MUST  
FULLY COMPLY WITH THE REQUIREMENTS  
OF CALIFORNIA CODE OF REGULATIONS,  
TITLE 8, SECTIONS 427, 427.1 AND 427.2.

Note: A copy of this Decision must be  
posted for the Applicant's employees to  
read, and/or a copy thereof must be  
provided to the employees' Authorized  
Representatives.

BEFORE THE  
 OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
 DEPARTMENT OF INDUSTRIAL RELATIONS  
 STATE OF CALIFORNIA

<p>In the Matter of Application for Permanent Variance by:</p> <p style="text-align: center;">Target Corporation</p>	<p>OSHSB File No.: See Section A.1 below:</p> <p style="text-align: center;"><u>PROPOSED DECISION</u></p> <p>Hearing Date: May 25, 2022</p>
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A. Procedural and Jurisdictional Matters:

1. By Application received December 9, 2021, John Reynolds of HKA Elevator Consulting, Inc., applicant’s representative, on behalf of Target Corporation (Applicant) applied for a permanent variance from the California Code of Regulations, title 8, section 3140, subdivision (b)(1) and section 3141 of the Elevator Safety Orders<sup>1</sup>. Each application concerns two (2) escalators located at a Target retail store.

File Number	Escalator Address
22-V-017	5500 W. Sunset Blvd, Los Angeles, CA
22-V-018	11800 Santa Monica Boulevard, Los Angeles, CA
22-V-019	3029 University Avenue, San Diego, CA
22-V-020	17401 Ventura Boulevard, Unit A1, Encino, CA
22-V-021	7021 Hollywood Way, Los Angeles, CA
22-V-022	100 Westlake Center, Daly City, CA

2. A hearing was held on May 25, 2022, in Sacramento, California, via audio/video conference link, by delegation of the Occupational Safety and Health Standards Board (Board), with Hearing Officer Autumn Gonzalez, both presiding and hearing the matter on its merit, as a basis of proposed decision to be advanced to the Board for its consideration, in accordance with section 426 of the Board’s procedural regulations.

3. At the hearing, Thomas Branham appeared on behalf of Applicant; Dave Morris and Mark Wickens appeared on behalf of the Division of Occupational Safety and Health

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<sup>1</sup> Unless otherwise noted, all references are to California Code of Regulations, title 8.

(Division); and Senior Engineer Michael Nelmidia appeared on behalf of Board staff in a technical advisory capacity apart from the Board.

Relevant Safety Regulations:

Section 3141.11 provides:

Escalators shall comply with ASME A17.1-2004, section 6.1, and with Group III, section 3126.6(b).

Specifically, variance from ASME A17.1-2004, section 6.1.3.6.4 which states:

The entry and exit zone shall be kept clear of all obstacles. The width of the zone shall not be less than the width between the centerlines of the handrails plus 200mm (8 inches). The length of the zone, measured from the end of the newel, shall not be less than twice the distance between the centerlines of the handrails. Space shall be provided to accommodate all traffic in the safety zones.

The intent of this code as stated in the ASME A17.1 handbook:

The safety zones ensure there is adequate space for passengers when they exit an escalator. If bunching occurs at the exit of an escalator, there will be no space for passengers exiting the escalator. This presents a serious safety hazard to those passengers of the escalators.

Procedural:

1. The applicant intends to install removable posts (bollards) at the entry to the downward moving escalators. The escalators include a separate adjacent conveyance (cart conveyor) which allows retail shopping carts (shopping cart) to be transported aside the passenger. The posts prevent potential rider from moving the shopping cart on to the passenger escalator.
2. The applicant proposes to install cylindrical bollards 36 inches (minimum height) by 2.5 to 8 inches in diameter. The bollards will be placed into floor holes which spacing between 22 to 30 inches from the adjacent bollard and no closer than 36 inches from the balustrade. The bollards are only allowed at the ingress for downward escalators and not allowed on any escalator egress. Bollards will be removable to accommodate escalator maintenance and the potential of reversing of escalator travel direction.
3. Documentary and oral evidence was received at the hearing, and by stipulation of all parties, documents were admitted into evidence:

<b>Exhibit Number</b>	<b>Description of Exhibit</b>
PD-1	Permanent variance applications per Section A table
PD-2	OSHSB Notice of Hearing
PD-3	Board Staff Reviews of Variance Application
PD-4	Division Reviews of Variance Application
PD-5	Review Draft-1 Proposed Decision

Official notice taken of the Board’s rulemaking records and variance decisions concerning the safety order requirements from which variance is sought. Upon close of hearing on May 25, 2022, the record closed and the matter was taken under submission by the Hearing Officer.

Findings of Fact—Based on the record of this proceeding, the Board finds the following:

1. The Applicant intends to install bollards in the safety zones of two escalators at each of the locations stated in the item A grid. Since these bollards are obstructions in the safety zones, they contravene ASME A17.1-2004, Section 6.1.3.6.4. The intent of the safety order is to provide unobstructed areas at the entry and exit of the escalators, in that obstructions can cause passenger backups in the landing areas. The Applicant’s bollards are intended to prevent shopping carts from being loaded on the escalators. The Applicant asserts that the presence of shopping carts on passenger escalators is a safety hazard.
2. The Applicant intends to install bollards at the entrances of descending escalators. The bollards are removable, and when removed, a flush cap will be placed over the hole. The inserted cap is substantially level with the floor, and the installed cap will not pose a tripping hazard. Employees will be trained regarding the start-up procedures to ensure that the bollards are properly installed for the direction of escalator travel.
3. The Board has adopted similar requests for removable bollards, OSHSB File No. 13-V-272 adopted January 16, 2014.

Conclusive Findings:

The above-stated procedural prerequisites, legal authority, and factual findings, as further supported by the documentary record and hearing testimony in this matter, provide a substantive and reasonable basis of conclusion that a preponderance of the evidence establishes that Applicant’s proposal, subject to all conditions and limitations set forth in the below Decision and Order, will provide equivalent safety and health to that which would prevail upon full compliance with the requirements of the Elevator Safety Orders from which variance is being sought.

### Decision and Order:

Applicant's application for permanent variance in the matter of file numbers listed in section A table, is conditionally GRANTED, to the extent Applicant shall be issued permanent variance from section 3141.11 [ASME A17.1-2004, Section 6.1.3.6.4]:

1. The bollards shall be allowed to reside in the safety zone of escalator(s) in facilities that provide adjacent cart conveyors solely for the purpose of preventing the carts from being inadvertently placed on the escalator.
2. The means to install the bollards shall only be provided at the top landing(s) of the escalator(s).
3. The bollards shall be removable and shall only be installed at the top landing(s) of down running escalator(s).
4. The escalator(s) shall not be operated unless all openings left by the absence of bollards are securely filled to be substantially level with the surrounding flooring.
5. The bollards shall not be installed on escalator pit covers or in any way restrict their opening or removal.
6. The bollards shall not obstruct access to or obscure starting switches or emergency stop buttons.
7. The bollards shall be arranged to provide a minimum of 559 mm (22 in.) clear distance between bollards, and a minimum 813 mm (32 in.) clearance to other adjacent obstructions.
8. The bollards shall be located to provide a minimum clear distance of 915 mm (36 in.) to the escalator balustrade including the handrails.
9. The bollards in use by an escalator shall not reside in the safety zone of another escalator unless permitted by the conditions of this order.
10. The bollards shall not contain or support signs or other devices.
11. The bollards and their related equipment shall not be stored in the pits of escalators.
12. The bollards shall have a round profile with a minimum diameter of 63.5 mm (2.5 in.)
13. The bollards shall have a minimum height from the finished floor of 914 mm (36 in.)
14. The Applicant shall develop and implement a daily start-up procedure to ensure escalators subject to this order are operated and configured in compliance with the conditions of this order prior to operation. The Applicant shall document the completion



of the daily start-up procedure and make the documentation available to the Division on request.

15. The Applicant shall develop, document and implement an effective training program on the daily start-up procedure for all persons authorized to perform the procedure. The Applicant shall make the documentation available to the Division on request.

Pursuant to section 426 subdivision (b), the above, duly completed Proposed Decision, is hereby submitted to the Occupational Safety and Health Standards Board for consideration of adoption.

DATED: May 26, 2022

  
\_\_\_\_\_  
Autumn Gonzalez, Hearing Officer

STATE OF CALIFORNIA  
DEPARTMENT OF INDUSTRIAL RELATIONS  
OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
2520 Venture Oaks Way, Suite 350  
Sacramento, California 95833  
(916) 274-5721

In the Matter of Application for  
Permanent Variance regarding:

KONE Monospace 500 Elevators (Group IV)

OSHSB File No.: See section A.1 table of  
Proposed Decision Dated: May 26, 2022

DECISION

The Occupational Safety and Health Standards Board hereby adopts the attached  
PROPOSED DECISION by Autumn Gonzalez, Hearing Officer.

\_\_\_\_\_  
DAVID THOMAS, Chairman

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BARBARA BURGEL, Member

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KATHLEEN CRAWFORD, Member

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DAVID HARRISON, Member

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NOLA KENNEDY, Member

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CHRIS LASZCZ-DAVIS, Member

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LAURA STOCK, Member

OCCUPATIONAL SAFETY AND HEALTH  
STANDARDS BOARD

Date of Adoption: June 16, 2022

THE FOREGOING VARIANCE DECISION WAS  
ADOPTED ON THE DATE INDICATED ABOVE.  
IF YOU ARE DISSATISFIED WITH THE  
DECISION, A PETITION FOR REHEARING  
MAY BE FILED BY ANY PARTY WITH THE  
STANDARDS BOARD WITHIN TWENTY (20)  
DAYS AFTER SERVICE OF THE DECISION.  
YOUR PETITION FOR REHEARING MUST  
FULLY COMPLY WITH THE REQUIREMENTS  
OF CALIFORNIA CODE OF REGULATIONS,  
TITLE 8, SECTIONS 427, 427.1 AND 427.2.

Note: A copy of this Decision must be  
posted for the Applicant's employees to  
read, and/or a copy thereof must be  
provided to the employees' Authorized  
Representatives.

BEFORE THE  
 OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
 DEPARTMENT OF INDUSTRIAL RELATIONS  
 STATE OF CALIFORNIA

In the Matter of Application for Permanent Variance Regarding:  KONE Monospace 500 Elevators (Group IV)	OSHSB File Nos.: See Section A.1 Table Below  <u>PROPOSED DECISION</u>  Hearing Date: May 25, 2022
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A. Subject Matter:

- Each below listed applicant (“Applicant”) applied for a permanent variance from provisions of the Elevator Safety Orders, found at Title 8 of the California Code of Regulations, with respect to a conveyance, or conveyances, in the listed quantity, at the listed location:

Variance No.	Applicant Name	Variance Location Address	No. of Elevators
22-V-040	CHF (Irvine) LLC	21000 Arroyo Dr. Building B Irvine, CA	2
22-V-111	Carlsbad 17, LP	2501 State Street Carlsbad, CA	1
22-V-112	University of California Irvine	Health Sciences Parking Structure 860 Medical Science Quad, UCI Design and Construction Services Irvine, CA	4
22-V-132	Garden Grove Seniors Community, LLC	10080 Garden Drive Blvd. Garden Grove, CA	5
22-V-133	Simi Valley Pacific Associates, LP	4415 Alamo Street Simi Valley, CA	5

- The subject Title 8, safety order requirements are set out within California Code of Regulations, Title 8, Section 3141 incorporated ASME A17.1-2004, Sections 2.18.5.1 and 2.20.4.

*Proposed Variance Decision*  
*KONE Monospace 500 Elevators (Group IV)*  
*Hearing Date: May 25, 2022*

B. Procedural:

1. This hearing was held on May 25, 2022, in Sacramento, California, via teleconference, by delegation of the Occupational Safety and Health Standards Board (“Board”), with Hearing Officer Autumn Gonzalez, both presiding and hearing the matter on its merit, as a basis of proposed decision to be advanced to the Board for its consideration, in accordance with California Code of Regulations, Title 8, Section 426.
2. At the hearing, Fuei Saetern, with KONE, Inc., appeared on behalf of each Applicant; Mark Wickens and David Morris appeared on behalf of the Division of Occupational Safety and Health (“Division”), and Michael Nelmidia appeared on behalf of Board staff in a technical advisory capacity apart from the Board.
3. Documentary and oral evidence was received at the hearing, and by stipulation of all parties, documents were admitted into evidence:

<b>Exhibit Number</b>	<b>Description of Exhibit</b>
PD-1	Application(s) for Permanent Variance per section A.1 table
PD-2	OSHSB Notice of Hearing
PD-3	Board Staff Review of Variance Application
PD-4	Division Review of Variance Application
PD-5	Review Draft-1 Proposed Decision

Official notice is taken of the Board’s files, records, recordings and decisions concerning the Elevator Safety Order requirements from which variance shall issue. On May 25, 2022, the hearing and record closed, and the matter was taken under submission by the Hearing Officer.

C. Findings of Fact—Based on the record of this proceeding, the Board finds the following:

1. Each respective Applicant intends to utilize the KONE Inc. Monospace 500 type elevator, in the quantity, at the location, specified per the above Section A.1 table.
2. The installation contract for this elevator was or will be signed on or after May 1, 2008, thus making the elevator subject to the Group IV Elevator Safety Orders.
3. Each Applicant proposes to use hoisting ropes that are 8 mm in diameter which also consist of 0.51 mm diameter outer wires, in variance from the express requirements of ASME A17.1-2004, Section 2.20.4.
4. In relevant part, ASME A17.1-2004, Section 2.20.4 states:

*2.20.4 Minimum Number and Diameter of Suspension Ropes*

*...The minimum diameter of hoisting and counterweight ropes shall be 9.5 mm (0.375 in.). Outer wires of the ropes shall be not less than 0.56 mm (0.024 in.) in diameter.*

5. An intent of the afore cited requirement of ASME A17.1-2004, Section 2.20.4, is to ensure that the number, diameter, and construction of suspension ropes are adequate to provided safely robust and durable suspension means over the course of the ropes' foreseen service life.
6. KONE has represented to Division and Board staff, having established an engineering practice for purposes of Monospace 500 elevator design, of meeting or exceeding the minimum factor of safety of 12 for 8 mm suspension members, as required in ASME A17.1-2010, Section 2.20.3—under which, given that factor of safety, supplemental broken suspension member protection is not required.
7. Also, each Applicant proposes as a further means of maintaining safety equivalence, monitoring the rope in conformity with the criteria specified within the *Inspector's Guide to 6 mm Diameter Governor and 8 mm Diameter Suspension Ropes for KONE Elevators* (per Application attachment "B", or as thereafter revised by KONE subject to Division approval).
8. In addition, each Applicant has proposed to utilize 6 mm diameter governor ropes in variance from Title 8, Section 3141, incorporated ASME A17.1-2004, Section 2.18.5.1.
9. ASME A17.1-2004, Section 2.18.5.1, specifies, in relevant part:

*2.18.5.1 Material and Factor of Safety.*

*... [Governor ropes] not less than 9.5 mm (0.375 in.) in diameter. The factor of safety of governor ropes shall be not less than 5...*

10. The Board takes notice of Title 8, Elevator Safety Order Section 3141.7, subpart (a)(10):

*A reduced diameter governor rope of equivalent construction and material to that required by ASME A17.1-2004, is permissible if the factor of safety as related to the strength necessary to activate the safety is 5 or greater;*

11. Applicants propose use of 6mm governor rope having a safety factor of 5 or greater, in conformity with Section 3141.7(a)(10), the specific parameters of which, being expressly set out within Title 8, Elevator Safety Orders, take precedence over more generally

referenced governor rope diameter requirements per ASME A17.1-2004, Section 2.18.5.1. Accordingly, the governor rope specifications being presently proposed, inclusive of a factor of safety of 5 or greater, would comply with current Title 8, Elevator Safety Orders requirements, and therefore not be subject to issuance of permanent variance.

12. Absent evident diminution in elevator safety, over the past decade the Board has issued numerous permanent variances for use in KONE (Ecospace) elevator systems of 8 mm diameter suspension rope materially similar to that presently proposed (e.g. OSHSB File Nos. 06-V-203, 08-V-245, and 13-V-303).
13. As noted by the Board in OSHSB File Nos. 18-V-044, and 18-V-045, Decision and Order Findings, subpart B.17 (hereby incorporated by reference), the strength of wire rope operating as an elevator's suspension means does not remain constant over its years of projected service life. With increasing usage cycles, a reduction in the cross-sectional area of the wire rope normally occurs, resulting in decreased residual strength. This characteristic is of particular relevance to the present matter because, as also noted by Board staff, decreasing wire rope diameter is associated with a higher rate of residual strength loss. This foreseeable reduction in cross-sectional area primarily results from elongation under sheave rounding load, as well as from wear, and wire or strand breaks. However, these characteristics need not compromise elevator safety when properly accounted for in the engineering of elevator suspension means, and associated components.
14. The presently proposed wire rope is Wuxi Universal steel rope Co LTD. 8 mm 8x19S+8x7+PP, with a manufacturer rated breaking strength of 35.8 kN, and an outer wire diameter of less than 0.56 mm, but not less than 0.51 mm. Both Board staff and Division safety engineers have scrutinized the material and structural specifications, and performance testing data, of this particular proposed rope, and conclude it will provide for safety equivalent to ESO compliant 9.5 mm wire rope, with 0.56 mm outer wire (under conditions of use included within the below Decision and Order).
15. The applicant supplies tabulated data regarding the "Maximum Static Load on All Suspension Ropes." To obtain the tabulated data, the applicant uses the following formula derived from ASME A17.1 2004, Section 2.20.3:

$$W = (S \times N) / f$$

*where*

*W = maximum static load imposed on all car ropes with the car  
and its rated load at any position in the hoistway*

*N = number of runs of rope under load. For 2:1 roping,*

$N$  shall be two times the number of ropes used, etc.  
 $S$  = manufacturer's rated breaking strength of one rope  
 $f$  = the factor of safety from Table 2.20.3

16. ASME A17.1-2010 Sections 2.20.3 and 2.20.4 utilize the same formula, but provide for use of suspension ropes having a diameter smaller than 9.5 mm, under specified conditions, key among them being that use of ropes having a diameter of between 8 mm to 9.5 mm be engineered with a factor of safety of 12 or higher. This is a higher minimum factor of safety than that proposed by Applicant, but a minimum recommended by both Board staff and Division as a condition of variance necessary to the achieving of safety equivalence to 9.5 mm rope.
17. Board staff and Division are in accord with Applicant, in proposing as a condition of safety equivalence, that periodic physical examination of the wire ropes be performed to confirm the ropes continue to meet the criteria set out in the (Application attachment) *Inspector's Guide to 6 mm Diameter Governor and 8 mm Diameter Suspension Ropes for KONE Elevators*. Adherence to this condition will provide an additional assurance of safety equivalence, regarding smaller minimum diameter suspension rope outer wire performance over the course of its service life.
18. Both Board staff, and Division, by way of written submissions to the record (Exhibits PD-3 and PD-4 respectively), and stated positions at hearing, are of the well informed opinion that grant of permanent variance, as limited and conditioned per the below Decision and Order will provide employment, places of employment, and subject conveyances, as safe and healthful as would prevail given non-variant conformity with the Elevator Safety Order requirements from which variance has been requested.

D. Conclusive Findings:

The above stated procedural prerequisites, legal authority, and factual findings, as further supported by the documentary record and hearing testimony in this matter, provide a substantive and reasonable basis of conclusion that: (1) Each Applicant has complied with the statutory and regulatory requirements that must be met before an application for permanent variance may be conditionally granted; and (2) a preponderance of the evidence establishes that each Applicants proposal, subject to all conditions and limitations set forth in the below Decision and Order, will provide equivalent safety and health to that which would prevail upon full compliance with the requirements of California Code of Regulation, Title 8, Elevator Safety Orders from which variance is being sought.

E. Decision and Order:

Each Application being the subject of this proceeding, per above Section A.1 table, is conditionally GRANTED, to the extent that each such Applicant shall be issued permanent variance from California Code of Regulations, Title 8, Section 3141 incorporated ASME A17.1-2004, Section 2.20.4, in as much as it precludes use of suspension rope of between 8 mm and 9.5 mm, or outer wire of between 0.51 mm and 0.56 mm in diameter, at such locations and numbers of Group IV KONE Monospace 500 elevators identified in each respective Application, subject to the following conditions:

1. The diameter of the hoisting steel ropes shall be not less than 8 mm (0.315 in) diameter and the roping ratio shall be two to one (2:1).
2. The outer wires of the suspension ropes shall be not less than 0.51 mm (0.02 in.) in diameter.
3. The number of suspension ropes shall be not fewer than those specified per hereby incorporated Decision and Order Appendix 1 Table.
4. The ropes shall be inspected annually for wire damage (rouge, valley break etc.) in accordance with "KONE Inc. Inspector's Guide to 6 mm diameter and 8 mm diameter steel ropes for KONE Elevators" (per Application Exhibit B, or as thereafter amended by KONE subject to Division approval).
5. A rope inspection log shall be maintained and available in the elevator controller room / space at all times.
6. The elevator rated speed shall not exceed those speeds specified per the Decision and Order Appendix 1 Table.
7. The maximum suspended load shall not exceed those weights (plus 5%) specified per the Decision and Order Appendix 1 Table.
8. The opening to the hoistway shall be effectively barricaded when car top inspection, maintenance, servicing, or testing of the elevator equipment in the hoistway is required. If the service personnel must leave the area for any reason, the hoistway and control room doors shall be closed.
9. The installation shall meet the suspension wire rope factor of safety requirements of ASME A17.1-2013 Section 2.20.3.
10. Any Certified Qualified Conveyance Company performing inspections, maintenance, servicing or testing the elevators shall be provided a copy of this variance decision.



*Proposed Variance Decision*

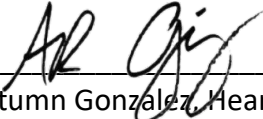
*KONE Monospace 500 Elevators (Group IV)*

*Hearing Date: May 25, 2022*

11. The Division shall be notified when the elevator is ready for inspection. The elevator shall be inspected by the Division and a "Permit to Operate" issued before the elevator is placed in service.
12. The Applicant shall comply with suspension means replacement reporting condition per hereby incorporated Decision and Order Appendix 2.
13. The Applicant shall notify its employees or their authorized representative(s), or both, of this order in the same way and to the same extent that employees and authorized representatives are to be notified of docketed permanent variance applications pursuant to California Code of Regulations, Title 8, Sections 411.2 and 411.3.
14. This Decision and Order shall remain in effect unless modified or revoked upon application by the Applicant, affected employee(s), the Division of Occupational Safety and Health, or by the Board on its own motion, in accordance with procedures per Title 8, Division 1, Chapter 3.5.

Pursuant to California Code of Regulations, Title 8, Section 426(b), the above, duly completed Proposed Decision, is hereby submitted to the Occupational Safety and Health Standards Board for consideration of adoption.

Dated: May 26, 2022

  
\_\_\_\_\_  
Autumn Gonzalez, Hearing Officer

**Appendix 1**

Monospace 500 Suspension Ropes Appendix 1 Table				
OSHSB File No.	Elevator ID	Minimum Quantity of Ropes (per Condition 3)	Maximum Speed in Feet per Minute (per Condition 6)	Maximum Suspended Load (per Condition 7)
22-V-040	1	7	200	11,556
22-V-040	2	7	200	11,556
22-V-111	1	8	200	13,207
22-V-112	1	7	200	11,556
22-V-112	2	7	200	11,556
22-V-112	3	7	200	11,556
22-V-112	4	7	200	11,556
22-V-132	1	7	150	12,247
22-V-132	2	7	150	12,247
22-V-132	3	7	150	12,247
22-V-132	4	7	150	12,247
22-V-132	5	7	150	12,247
22-V-133	1	7	150	12,247
22-V-133	2	7	150	12,247
22-V-133	3	7	150	12,247
22-V-133	4	7	150	12,247
22-V-133	5	7	150	12,247

## **Appendix 2**

### **Suspension Means Replacement Reporting Condition**

Beginning on the date the Board adopts this Proposed Decision and continuing for a period of two years, the Applicant shall report to the Division within 30 days any and all replacement activity performed on the elevator(s) pursuant to the requirements of ASME A17.1-2004, Section 8.6.3 involving the suspension means or suspension means fastenings. Further:

1. A separate report for each elevator shall be submitted, in a manner acceptable to the Division, to the following address (or to such other address as the Division might specify in the future): DOSH Elevator Unit, 2 MacArthur Place, Suite 700, Santa Ana, CA 92707, Attn: Engineering Section.
2. Each such report shall contain, but not necessarily be limited to, the following information:
  - a. The State-issued conveyance number, complete address, and OSHSB file number that identifies the permanent variance.
  - b. The business name, complete address, telephone number, and contact person of the elevator responsible party (presumably the Applicant or the subsequent holder of this variance).
  - c. The business name, complete address, telephone number, and Certified Qualified Conveyance Company (CQCC) certification number of the firm performing the replacement work.
  - d. The name (as listed on certification), Certified Competent Conveyance Mechanic (CCCM) certification number, certification expiration date, and signature of each CCCM performing the replacement work.
  - e. The date and time the elevator was removed from normal service for suspension replacement, the date and time the replacement work commenced, the date and time the replacement work was completed, and the date and time the elevator was returned to normal service.
  - f. A detailed description of, and clear color photographs depicting, (1) all the conditions that existed in the suspension components requiring their replacement and (2) any conditions that existed to cause damage or distress to the suspension components being replaced.
  - g. A detailed list of all elevator components adjusted, repaired, or replaced in conjunction with the suspension component replacement.

*Proposed Variance Decision*

*KONE Monospace 500 Elevators (Group IV)*

*Hearing Date: May 25, 2022*

- h. All information provided on the crosshead data plate per ASME A17.1-2004, Section 2.20.2.1, unless that ASME requirement is modified by the conditions of a variance that pertains to the elevator in question, in which case, the information to be reported shall be the information required by the ASME provision as modified by the variance.
  - i. For the suspension means being replaced, all information provided on the data tag required per ASME A17.1-2004, Section 2.20.2.2, unless that ASME requirement is modified by the conditions of a variance that pertains to the elevator in question, in which case, the information to be reported shall be the information required by the ASME provision as modified by the variance.
  - j. For the replacement suspension means, all information provided on the data tag required by ASME A17.1-2004, Section 2.20.2.2, unless that ASME requirement is modified by the conditions of a variance that pertains to the elevator in question, in which case, the information to be reported shall be the information required by the ASME provision as modified by the variance.
  - k. Any other information requested by the Division regarding the replacement of the suspension means or fastenings.
3. In addition to the submission of the report to the Division, the findings of any testing, failure analysis, or other engineering evaluations performed on any portion of the replaced suspension components, or other elevator components replaced in conjunction therewith, shall be submitted to the Division referencing the information contained in above Appendix 2, Section 2, Subsection (a), above.

STATE OF CALIFORNIA  
DEPARTMENT OF INDUSTRIAL RELATIONS  
OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
2520 Venture Oaks Way, Suite 350  
Sacramento, California 95833  
(916) 274-5721

In the Matter of Application for  
Permanent Variance regarding:

Otis Gen2S Elevators (Group IV)

OSHSB File No.: See section A table of  
Proposed Decision Dated: May 26, 2022

DECISION

The Occupational Safety and Health Standards Board hereby adopts the attached  
PROPOSED DECISION by Autumn Gonzalez, Hearing Officer.

\_\_\_\_\_  
DAVID THOMAS, Chairman

\_\_\_\_\_  
BARBARA BURGEL, Member

\_\_\_\_\_  
KATHLEEN CRAWFORD, Member

\_\_\_\_\_  
DAVID HARRISON, Member

\_\_\_\_\_  
NOLA KENNEDY, Member

\_\_\_\_\_  
CHRIS LASZCZ-DAVIS, Member

\_\_\_\_\_  
LAURA STOCK, Member

OCCUPATIONAL SAFETY AND HEALTH  
STANDARDS BOARD

Date of Adoption: June 16, 2022

THE FOREGOING VARIANCE DECISION WAS  
ADOPTED ON THE DATE INDICATED ABOVE.  
IF YOU ARE DISSATISFIED WITH THE  
DECISION, A PETITION FOR REHEARING  
MAY BE FILED BY ANY PARTY WITH THE  
STANDARDS BOARD WITHIN TWENTY (20)  
DAYS AFTER SERVICE OF THE DECISION.  
YOUR PETITION FOR REHEARING MUST  
FULLY COMPLY WITH THE REQUIREMENTS  
OF CALIFORNIA CODE OF REGULATIONS,  
TITLE 8, SECTIONS 427, 427.1 AND 427.2.

Note: A copy of this Decision must be  
posted for the Applicant's employees to  
read, and/or a copy thereof must be  
provided to the employees' Authorized  
Representatives.

BEFORE THE  
 OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
 DEPARTMENT OF INDUSTRIAL RELATIONS  
 STATE OF CALIFORNIA

<p>In the Matter of Application for Permanent Variance Regarding:</p> <p style="text-align: center;">Otis Gen2S Elevators (Group IV)</p>	<p>OSHSB File Nos.: See section A table below</p> <p style="text-align: center;"><u>PROPOSED DECISION</u></p> <p>Hearing Date: May 25, 2022</p>
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A. Subject Matter

- Each below listed applicant (“Applicant”) has applied for permanent variances from provisions of the Elevator Safety Orders, found at title 8 of the California Code of Regulations, with respect to the listed conveyance or conveyances, in the specified quantity, at the specified location:

Variance No.	Applicant Name	Variance Location Address	No. of Elevators
22-V-074	Continental Rose-Doug LLC	2201 Rosecrans Ave El Segundo, CA	3
22-V-075	STC Venture Block 3RWS, LLC	200 S Taaffe Street Sunnyvale, CA	7
22-V-090	Fedora Flats, LLC	1047 Fedora St. Los Angeles, CA	1
22-V-108	Liv Lux Properties 3 LLC	Burbank Apartments 14731-14761 Burbank Blvd Sherman Oaks, CA	1
22-V-109	2028 Bancroft Way, LLC	2028 Bancroft Way Berkeley, CA	1
22-V-114	Aventino Villas LLC	7130 S. Kittyhawk Ave. Los Angeles, CA	1
22-V-122	Riverglen Phase II, LLC	2600 W. Riverside Drive Los Angeles, CA	4
22-V-127	475 South Lake Avenue LLC	475 South Lake Ave. Pasadena, CA	2
22-V-129	Montshire LLC	Newshire 904 S New Hampshire Ave Los Angeles, CA	2

*Proposed Variance Decision  
Otis Gen2S Elevators (Group IV)  
Hearing Date: May 25, 2022*

2. The safety orders from which variance may issue, are enumerated in the portion of the below Decision and Order preceding the variance conditions.

**B. Procedural**

1. This proceeding is conducted in accordance with Labor Code section 143, and California Code of Regulations, title 8, section 401, et. seq.
2. This hearing was held on May 25, 2022, in Sacramento, California, and via teleconference, by Occupational Safety and Health Standards Board (“Board”), with Hearing Officer Autumn Gonzalez, both presiding and hearing the matter on its merit, as a basis of proposed decision to be advanced to the Board for its consideration, in accordance with California Code of Regulations, title 8, section 426.
3. At the hearing, Dan Leacox of Leacox & Associates, and Wolter Geesink with Otis Elevator, appeared on behalf of each Applicant; Mark Wickens and David Morris appeared on behalf of the Division of Occupational Safety and Health (“Division”), and Michael Nelmidia appeared on behalf of Board staff, in a technical advisory role apart from the Board.
4. Oral evidence was received at the hearing, and by stipulation of all parties, documents were admitted into evidence:

<b>Exhibit Number</b>	<b>Description of Exhibit</b>
PD-1	Permanent variance applications per Section A.1 table
PD-2	OSHSB Notice of Hearing
PD-3	Board Staff Reviews of Variance Application
PD-4	Division Reviews of Variance Application
PD-5	Review Draft-1 Proposed Decision

Official notice is taken of the Board’s rulemaking records, and variance files and decisions, concerning the Elevator Safety Order standards at issue. At close of hearing on May 25, 2022, the record was closed, and the matter taken under submission by the Hearing Officer.

**C. Findings and Basis:**

Based on the record of this hearing, the Board makes the following findings of fact:

1. Each Applicant intends to utilize Otis Gen2S elevators at the locations and in the numbers stated in the above section A table.

*Proposed Variance Decision  
Otis Gen2S Elevators (Group IV)  
Hearing Date: May 25, 2022*

2. The installation contracts for these elevators were or will be signed on or after May 1, 2008, making the elevators subject to the Group IV Elevator Safety Orders.
3. The Board incorporates by reference Items (i.e. sections) D.3 through D.9 of the Proposed Decision adopted by the Board on July 18, 2013 regarding OSHSB File No. 12-V-093 and Item D.4 of the Proposed Decision adopted by the Board on September 25, 2014 in OSHSB File No. 14-V-206.
4. Both Board staff and Division, by way of written submissions to the record (Exhibits PD-3 and PD-4 respectively), and positions stated at hearing, are of the well informed opinion that grant of requested permanent variance, as limited and conditioned per the below Decision and Order will provide employment, places of employment, and subject conveyances, as safe and healthful as would prevail given non-variant conformity with the Elevator Safety Order requirements from which variance has been requested.

D. Conclusive Findings:

The above stated procedural prerequisites, legal authority, and factual findings, as further supported by the documentary record and hearing testimony in this matter, provide a substantive and reasonable basis of conclusion that: (1) Each Applicant has complied with the statutory and regulatory requirements that must be met before an application for permanent variance may be conditionally granted; and (2) a preponderance of the evidence establishes that each Applicants proposal, subject to all conditions and limitations set forth in the below Decision and Order, will provide equivalent safety and health to that which would prevail upon full compliance with the requirements of California Code of Regulation, title 8, Elevator Safety Orders from which variance is being sought.

E. Decision and Order:

Each permanent variance application the subject of this proceeding is conditionally GRANTED as specified below, and to the extent, as of the date the Board adopts this Proposed Decision, each Applicant listed in the above section A table shall have permanent variances from California Code of Regulations, title 8, section 3141 and from the following sections of ASME A17.1-2004 that section 3141 makes applicable to the elevators the subject of those applications:

- Car top railing: sections 2.14.1.7.1 (only to the extent necessary to permit an inset car top railing, if, in fact, the car top railing is inset);
- Speed governor over-speed switch: 2.18.4.2.5(a) (only insofar as is necessary to permit the use of the speed reducing system proposed by the Applicants, where the speed



*Proposed Variance Decision  
Otis Gen2S Elevators (Group IV)  
Hearing Date: May 25, 2022*

reducing switch resides in the controller algorithms, rather than on the governor, with the necessary speed input supplied by the main encoder signal from the motor);

- Governor rope diameter: 2.18.5.1 (only to the extent necessary to allow the use of reduced diameter governor rope);
- Pitch diameter: 2.18.7.4 (to the extent necessary to use the pitch diameter specified in Condition No. 13.c);
- Suspension means: 2.20.1, 2.20.2.1, 2.20.2.2(a), 2.20.2.2(f), 2.20.3, 2.20.4, 2.20.9.3.4 and 2.20.9.5.4—the variances from these “suspension means” provisions are only to the extent necessary to permit the use of Otis Gen2 flat coated steel suspension belts in lieu of conventional steel suspension ropes;
- Inspection transfer switch: 2.26.1.4.4(a) (only to the extent necessary to allow the inspection transfer switch to reside at a location other than a machine room, if, in fact, it does not reside in the machine room); and
- Seismic reset switch: 8.4.10.1.1(a)(2)(b) (only to the extent necessary to allow the seismic reset switch to reside at a location other than a machine room, if, in fact, it does not reside in the machine room).

These variances apply to the locations and numbers of elevators stated in the section A table (so long as the elevators are Gen2S Group IV devices that are designed, equipped, and installed in accordance with, and are otherwise consistent with, the representations made in the Otis Master File [referred to in previous proposed decisions as the “Gen2 Master File”) maintained by the Board, as that file was constituted at the time of this hearing) and are subject to the following conditions:

1. The suspension system shall comply with the following:
  - a. The coated steel belt and connections shall have factors of safety equal to those permitted for use by section 3141 [ASME A17.1-2004, section 2.20.3] on wire rope suspended elevators.
  - b. Steel coated belts that have been installed and used on another installation shall not be reused.
  - c. The coated steel belt shall be fitted with a monitoring device which has been accepted by the Division and which will automatically stop the car if the residual strength of any single belt drops below 60 percent. If the residual strength of any

- single belt drops below 60 percent, the device shall prevent the elevator from restarting after a normal stop at a landing.
- d. Upon initial inspection, the readings from the monitoring device shall be documented and submitted to the Division.
  - e. A successful test of the monitoring device's functionality shall be conducted at least once a year (the record of the annual test of the monitoring device shall be a maintenance record subject to ASME A17.1-2004, section 8.6.1.4).
  - f. The coated steel belts used shall be accepted by the Division.
2. With respect to each elevator subject to this variance, the applicant shall comply with Division Circular Letter E-10-04, the substance of which is attached hereto as Addendum 1 and incorporated herein by this reference.
  3. The Applicant shall not utilize the elevator unless the manufacturer has written procedures for the installation, maintenance, inspection, and testing of the belts and monitoring device and criteria for belt replacement, and the applicant shall make those procedures and criteria available to the Division upon request.
  4. The flat coated steel belts shall be provided with a metal data tag that is securely attached to one of those belts. This data tag shall bear the following flat steel coated belt data:
    - a. The width and thickness in millimeters or inches;
    - b. The manufacturer's rated breaking strength in (kN) or (lbf);
    - c. The name of the person or organization that installed the flat coated steel belts;
    - d. The month and year the flat coated steel belts were installed;
    - e. The month and year the flat coated steel belts were first shortened;
    - f. The name or trademark of the manufacturer of the flat coated steel belts; and
    - g. Lubrication information.
  5. There shall be a crosshead data plate of the sort required by section 2.20.2.1, and that plate shall bear the following flat steel coated belt data:
    - a. The number of belts;

- b. The belt width and thickness in millimeters or inches; and
  - c. The manufacturer's rated breaking strength per belt in (kN) or (lbf).
6. The opening to the hoistway shall be effectively barricaded when car top inspection, maintenance, servicing, or testing of elevator equipment in the hoistway is required. If service personnel must leave the area for any reason, the hoistway and control room doors shall be closed.
7. If there is an inset car top railing:
- a. Serviceable equipment shall be positioned so that mechanics and inspectors do not have to climb on railings to perform adjustment, maintenance, repairs or inspections. The applicant shall not permit anyone to stand on or climb over the car top railing.
  - b. The distance that the car top railing may be inset shall be limited to no more than 6 inches.
  - c. All exposed areas outside the car top railing shall preclude standing or placing objects or persons which may fall and shall be beveled from the mid- or top rail to the outside of the car top.
  - d. The top of the beveled area and/or car top outside the railing, shall be clearly marked. The markings shall consist of alternating 4 inch diagonal red and white stripes.
  - e. The applicant shall provide durable signs with lettering not less than ½ inch on a contrasting background on each inset railing; each sign shall state:

**CAUTION**

**DO NOT STAND ON OR CLIMB OVER RAILING**

- f. The Group IV requirements for car top clearances shall be maintained (car top clearances outside the railing shall be measured from the car top and not from the required bevel).
8. If the seismic reset switch does not reside in a machine room, that switch shall not reside in the elevator hoistway. The switch shall reside in the inspection and test control panel located in one upper floor hoistway door jamb or in the control space (outside the hoistway) used by the motion controller.

*Proposed Variance Decision*  
*Otis Gen2S Elevators (Group IV)*  
*Hearing Date: May 25, 2022*

9. If the inspection transfer switch required by ASME A17.1, rule 2.26.1.4.4(a) does not reside in a machine room, that switch shall not reside in the elevator hoistway. The switch shall reside in the inspection and test control panel located in one upper floor hoistway door jamb or in the control space (outside the hoistway) used by the motion controller.
10. When the inspection and testing panel is located in the hoistway door jamb, the inspection and test control panel shall be openable only by use of a Security Group I restricted key.
11. The elevator shall be serviced, maintained, adjusted, tested, and inspected only by Certified Competent Conveyance Mechanics who have been trained to, and are competent to, perform those tasks on the Gen2S elevator system in accordance with the written procedures and criteria required by Condition No. 3 and in accordance with the terms of this permanent variance.
12. The governor speed-reducing switch function shall comply with the following:
  - a. It shall be used only with direct drive machines; i.e., no gear reduction is permitted between the drive motor and the suspension means.
  - b. The velocity encoder shall be coupled to the driving machine motor shaft. The "C" channel of the encoder shall be utilized for velocity measurements required by the speed reducing system. The signal from "C" channel of the encoder shall be verified with the "A" and "B" channels for failure. If a failure is detected then an emergency stop shall be initiated.
  - c. Control system parameters utilized in the speed-reducing system shall be held in non-volatile memory.
  - d. It shall be used in conjunction with approved car-mounted speed governors only.
  - e. It shall be used in conjunction with an effective traction monitoring system that detects a loss of traction between the driving sheave and the suspension means. If a loss of traction is detected, then an emergency stop shall be initiated.
  - f. A successful test of the speed-reducing switch system's functionality shall be conducted at least once a year (the record of the annual test of the speed-reducing switch system shall be a maintenance record subject to ASME A17.1-2004, section 8.6.1.4).

- g. A successful test of the traction monitoring system's functionality shall be conducted at least once a year (the record of the annual test of the traction monitoring system shall be a maintenance record subject to ASME A17.1-2004, section 8.6.1.4).
  - h. The Applicant shall not utilize the elevator unless the manufacturer has written procedures for the maintenance, inspection, and testing of the speed-reducing switch and traction monitoring systems. The Applicant shall make the procedures available to the Division upon request.
13. The speed governor rope and sheaves shall comply with the following:
- a. The governor shall be used in conjunction with a 6 mm (0.25 in.) diameter steel governor rope with 6-strand, regular lay construction.
  - b. The governor rope shall have a factor of safety of 8 or greater as related to the strength necessary to activate the safety.
  - c. The governor sheaves shall have a pitch diameter of not less than 180 mm (7.1 in.).
14. Any Certified Qualified Conveyance Company performing inspections, maintenance, servicing, or testing of the elevators shall be provided a copy of this variance decision.
15. The Division shall be notified when the elevator is ready for inspection. The elevator shall be inspected by the Division, and a Permit to Operate shall be issued before the elevator is placed in service.
16. The Applicant shall be subject to the Suspension Means – Replacement Reporting Condition stated in Addendum 2, as hereby incorporated by this reference.
17. The Applicant shall notify its employees or their authorized representative(s), or both, of this order in the same way and to the same extent that employees and authorized representatives are to be notified of docketed permanent variance applications pursuant to California Code of Regulations, title 8, sections 411.2 and 411.3.
18. This Decision and Order shall remain in effect unless modified or revoked upon application by the Applicant, affected employee(s), the Division of Occupational Safety and Health, or by the Board on its own motion, in accordance with procedures per title 8, Division 1, Chapter 3.5.

*Proposed Variance Decision  
Otis Gen2S Elevators (Group IV)  
Hearing Date: May 25, 2022*

Pursuant to California Code of Regulations, title 8, section 426(b), the above, duly completed Proposed Decision, is hereby submitted to the Occupational Safety and Health Standards Board for consideration of adoption.

Dated: May 26, 2022

  
\_\_\_\_\_  
Autumn Gonzalez, Hearing Officer

**ADDENDUM 1**

October 6, 2010

**CIRCULAR LETTER E-10-04**

TO: Installers, Manufacturers of Conveyances and Related Equipment and, Other Interested Parties

SUBJECT: Coated Steel Belt Monitoring

The Elevator Safety Orders require routine inspection of the suspension means of an elevator to assure its safe operation.

The California Labor Code section 7318 allows the Division to promulgate special safety orders in the absence of regulation.

As it is not possible to see the steel cable suspension means of a Coated Steel Belt, a monitoring device which has been accepted by the Division is required on all Coated Steel Belts which will automatically stop the car if the residual strength of any belt drops below 60%. The Device shall prevent the elevator from restarting after a normal stop at a landing.

The monitoring device must be properly installed and functional. A functioning device may be removed only after a determination has been made that the residual strength of each belt exceeds 60%. These findings and the date of removal are to be conspicuously documented in the elevator machine room. The removed device must be replaced or returned to proper service within 30 days.

If upon routine inspection, the monitoring device is found to be in a non-functional state, the date and findings are to be conspicuously documented in the elevator machine room.

If upon inspection by the Division, the monitoring device is found to be non-functional or removed, and the required documentation is not in place, the elevator will be removed from service.

If the device is removed to facilitate belt replacement, it must be properly installed and functional before the elevator is returned to service.

A successful test of the device's functionality shall be conducted once a year.

This circular does not preempt the Division from adopting regulations in the future, which may address the monitoring of Coated Steel Belts or any other suspension means.

This circular does not create an obligation on the part of the Division to permit new conveyances utilizing Coated Steel Belts.

Debra Tudor  
Principal Engineer  
DOSH-Elevator Unit HQS

## **ADDENDUM 2**

### **Suspension Means – Replacement Reporting Condition**

Beginning on the date the Board adopts this Proposed Decision and continuing for a period of two years, the Applicant shall report to the Division within 30 days any and all replacement activity performed on the elevator(s) pursuant to the requirements of ASME A17.1-2004, section 8.6.3 involving the suspension means or suspension means fastenings.

Further:

1. A separate report for each elevator shall be submitted, in a manner acceptable to the Division, to the following address (or to such other address as the Division might specify in the future): DOSH Elevator Unit, 2 MacArthur Place, Suite 700, Santa Ana, CA 92707, Attn: Engineering Section.
2. Each such report shall contain, but not necessarily be limited to, the following information:
  - a. The State-issued conveyance number, complete address, and OSHSB file number that identifies the permanent variance.
  - b. The business name, complete address, telephone number, and contact person of the elevator responsible party (presumably the Applicant or the subsequent holder of this variance).
  - c. The business name, complete address, telephone number, and Certified Qualified Conveyance Company (CQCC) certification number of the firm performing the replacement work.
  - d. The name (as listed on certification), Certified Competent Conveyance Mechanic (CCCM) certification number, certification expiration date, and signature of each CCCM performing the replacement work.
  - e. The date and time the elevator was removed from normal service for suspension replacement, the date and time the replacement work commenced, the date and time the replacement work was completed, and the date and time the elevator was returned to normal service.



*Proposed Variance Decision*  
*Otis Gen2S Elevators (Group IV)*  
*Hearing Date: May 25, 2022*

- f. A detailed description of, and clear color photographs depicting, (1) all the conditions that existed in the suspension components requiring their replacement and (2) any conditions that existed to cause damage or distress to the suspension components being replaced.
  - g. A detailed list of all elevator components adjusted, repaired, or replaced in conjunction with the suspension component replacement.
  - h. All information provided on the crosshead data plate per ASME A17.1-2004, section 2.20.2.1, unless that ASME requirement is modified by the conditions of a variance that pertains to the elevator in question, in which case, the information to be reported shall be the information required by the ASME provision as modified by the variance.
  - i. For the suspension means being replaced, all information provided on the data tag required per ASME A17.1-2004, section 2.20.2.2, unless that ASME requirement is modified by the conditions of a variance that pertains to the elevator in question, in which case, the information to be reported shall be the information required by the ASME provision as modified by the variance.
  - j. For the replacement suspension means, all information provided on the data tag required by ASME A17.1-2004, section 2.20.2.2, unless that ASME requirement is modified by the conditions of a variance that pertains to the elevator in question, in which case, the information to be reported shall be the information required by the ASME provision as modified by the variance.
  - k. Any other information requested by the Division regarding the replacement of the suspension means or fastenings.
3. In addition to the submission of the report to the Division, the findings of any testing, failure analysis, or other engineering evaluations performed on any portion of the replaced suspension components, or other elevator components replaced in conjunction therewith, shall be submitted to the Division referencing the information contained in item 2a above.

STATE OF CALIFORNIA  
DEPARTMENT OF INDUSTRIAL RELATIONS  
OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
2520 Venture Oaks Way, Suite 350  
Sacramento, California 95833  
(916) 274-5721

In the Matter of Application for  
Permanent Variance regarding:

TK Elevator Evolution (Group IV)

OSHSB File No.: See section A.1 table of  
Proposed Decision Dated: May 26, 2022

DECISION

The Occupational Safety and Health Standards Board hereby adopts the attached  
PROPOSED DECISION by Autumn Gonzalez, Hearing Officer.

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DAVID THOMAS, Chairman

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BARBARA BURGEL, Member

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KATHLEEN CRAWFORD, Member

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DAVID HARRISON, Member

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NOLA KENNEDY, Member

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CHRIS LASZCZ-DAVIS, Member

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LAURA STOCK, Member

OCCUPATIONAL SAFETY AND HEALTH  
STANDARDS BOARD

Date of Adoption: June 16, 2022

THE FOREGOING VARIANCE DECISION WAS  
ADOPTED ON THE DATE INDICATED ABOVE.  
IF YOU ARE DISSATISFIED WITH THE  
DECISION, A PETITION FOR REHEARING  
MAY BE FILED BY ANY PARTY WITH THE  
STANDARDS BOARD WITHIN TWENTY (20)  
DAYS AFTER SERVICE OF THE DECISION.  
YOUR PETITION FOR REHEARING MUST  
FULLY COMPLY WITH THE REQUIREMENTS  
OF CALIFORNIA CODE OF REGULATIONS,  
TITLE 8, SECTIONS 427, 427.1 AND 427.2.

Note: A copy of this Decision must be  
posted for the Applicant's employees to  
read, and/or a copy thereof must be  
provided to the employees' Authorized  
Representatives.

BEFORE THE  
OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
DEPARTMENT OF INDUSTRIAL RELATIONS  
STATE OF CALIFORNIA

<p>In the Matter of Application for Permanent Variance Regarding:</p> <p style="text-align: center;">TK Elevator  Evolution (Group IV)</p>	<p>OSHSB File Nos.: Per Section A.1 table</p> <p style="text-align: center;"><u>PROPOSED DECISION</u></p> <p>Hearing Date: May 25, 2022</p>
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A. Procedural Matters

- The below listed Applicants (“Applicant”) have applied for permanent variance from certain provisions of the Elevator Safety Orders, found at title 8 of the California Code of Regulations<sup>1</sup>, with respect to a conveyance, or conveyances, in the listed quantity, at the listed location:

Variance No.	Applicant Name	Variance Location Address	No. of Elevators
22-V-078	Chiles Owner, LLC	3820 Chiles Rd. Davis, CA	2
22-V-079	SHP VI MS San Jose, LLC	1366 S De Anza Blvd. San Jose, CA	2
22-V-096	CHF-Davis II, LLC	5001 Orchard Park Circle Davis, CA	1
22-V-097	CHF-Davis II, LLC	5003 Orchard Park Circle Davis, CA	1
22-V-098	CHF-Davis II, LLC	5009 Orchard Park Circle Davis, CA	1
22-V-099	CHF-Davis II, LLC	5013 Orchard Park Circle Davis, CA	1
22-V-100	CHF-Davis II, LLC	5017 Orchard Park Circle Davis, CA	1
22-V-101	CHF-Davis II, LLC	5019 Orchard Park Circle Davis, CA	1
22-V-102	888 4th Street, LLC	888 4th St. Santa Rosa, CA	2

<sup>1</sup> Unless otherwise noted, references are to the California Code of Regulations, title 8.

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TK Elevator Evolution (Group IV)  
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22-V-103	3511 East 12th St LP C/P Bridge Housing Corp	3511 East 12th St. Oakland, CA	2
22-V-104	Embark Apartments LP	2126 Martin Luther King Jr Way Oakland, CA	1
22-V-105	Foundry31 LLC	3100 San Pablo Ave. Berkeley, CA	1
22-V-106	Sacramento 695, LP	251 6th Street Sacramento, CA	4
22-V-107	Templeton Place II LP	1035 Petersen Ranch Rd. Templeton, CA	1

2. These proceedings are conducted in accordance with Labor Code section 143, and section 401, et. seq.
3. This hearing was held on May 25, 2022, in Sacramento, California via teleconference, by delegation of the Occupational Safety and Health Standards Board (“Board”), with Hearing Officer Autumn Gonzalez, both presiding and hearing the matter on its merit, as a basis of proposed decision to be advanced to the Board for its consideration, in accordance with California Code of Regulations, Title 8, Section 426.
4. At the hearing, Kathleen E. Finnerty of Finnerty Law Offices, Inc., appeared on behalf of the Applicants, Mark Wickens and David Morris appeared on behalf of the Division of Occupational Safety and Health (“Division”), and Michael Nelmidia appeared on behalf of Board staff acting in a technical advisory role apart from the Board.
5. Documentary and oral evidence was received at the hearing, and by stipulation of all parties, documents were admitted into evidence:

<b>Exhibit Number</b>	<b>Description of Exhibit</b>
PD-1	Application(s) for Permanent Variance per section A.1 table
PD-2	OSHSB Notice of Hearing
PD-3	Board Staff Review of Variance Application
PD-4	Division Review of Variance Application
PD-5	Review Draft-1 Proposed Decision

6. Official notice is taken of the Board’s files, records, recordings and decisions concerning the Elevator Safety Order requirements from which variance shall issue. On May 25, 2022, the hearing and record closed, and the matter was taken under submission by the Hearing Officer.

B. Relevant Safety Orders

Variance Request No. 1 (ASME A17.1-2004, Section 2.14.1.7.1)

*2.14.1.7.1 A standard railing conforming to 2.10.2 shall be provided on the outside perimeter of the car top on all sides where the perpendicular distance between the edges of the car top and the adjacent hoistway enclosure exceeds 300 mm (12 in.) horizontal clearance.*

Variance Request No. 2A (ASME A17.1-2004, section 2.20.1)

*2.20.1 Suspension Means*

*Elevator cars shall be suspended by steel wire ropes attached to the car frame or passing around sheaves attached to the car frame specified in 2.15.1. Ropes that have previously been installed and used on another installation shall not be reused.*

*Only iron (low-carbon steel) or steel wire ropes, having the commercial classification "Elevator Wire Rope," or wire rope specifically constructed for elevator use, shall be used for the suspension of elevator cars and for the suspension of counterweights. The wire material for ropes shall be manufactured by the open-hearth or electric furnace process or their equivalent.*

Variance Request No. 2B (ASME A17.1-2004, section 2.20.2[.1])

*2.20.2.1 On Crosshead Data Plate.*

*The crosshead data plate required by 2.16.3 shall bear the following wire-rope data:*

*(a) the number of ropes*

*(b) the diameter in millimeters (mm) or inches (in.)*

*(c) the manufacturer's rated breaking strength per rope in kilo Newton (kN) or pounds (lb)*

Variance Request No. 2C (ASME A17.1-2004, section 2.20.2.2)

*2.20.2.2 On Rope Data Tag.*

*A metal data tag shall be securely attached to one of the wire-rope fastenings. This data tag shall bear the following wire-rope data:*

*(a) the diameter in millimeters (mm) or inches (in.)*

[...]

(f) whether the ropes were nonpreformed or preformed

[...]

Variance Request No. 2D. (ASME A17.1-2004, section 2.20.3)

2.20.3 Factor of Safety

The factor of safety of the suspension wire ropes shall be not less than shown in Table 2.20.3. Figure 8.2.7 gives the minimum factor of safety for intermediate rope speeds. The factor of safety shall be based on the actual rope speed corresponding to the rated speed of the car.

The factor of safety shall be calculated by the following formula:

$$f = \frac{S \times N}{W}$$

where

$N$  = number of runs of rope under load. For 2:1 roping,  $N$  shall be two times the number of ropes used, etc.

$S$  = manufacturer's rated breaking strength of one rope

$W$  = maximum static load imposed on all car ropes with the car and its rated load at any position in the hoistway

Variance Request No. 2E (ASME A17.1-2004, section 2.20.4)

2.20.4 Minimum Number and Diameter of Suspension Ropes

The minimum number of hoisting ropes used shall be three for traction elevators and two for drum-type elevators.

Where a car counterweight is used, the number of counterweight ropes used shall be not less than two.

The term "diameter," where used in reference to ropes, shall refer to the nominal diameter as given by the rope manufacturer.

The minimum diameter of hoisting and counterweight ropes shall be 9.5 mm (0.375 in.). Outer wires of the ropes shall be not less than 0.56 mm (0.024 in.) in diameter.

Variance Request No. 2F (ASME A17.1-2004, section 2.20.9[.1])

*2.20.9 Suspension-Rope Fastening*

*2.20.9.1 Type of Rope Fastenings. The car and counterweight ends of suspension wire ropes, or the stationary hitch-ends where multiple roping is used, shall be fastened in such a manner that all portions of the rope, except the portion inside the rope sockets, shall be readily visible.*

*Fastening shall be*

*(a) by individual tapered rope sockets (see 2.20.9.4) or other types of rope fastenings that have undergone adequate tensile engineering tests, provided that*

*(1) such fastenings conform to 2.20.9.2 and 2.20.9.3;*

*(2) the rope socketing is such as to develop at least 80% of the ultimate breaking strength of the strongest rope to be used in such fastenings; or*

*(b) by individual wedge rope sockets (see 2.20.9.5); and*

*(c) U-bolt-type rope clamps or similar devices shall not be used for suspension rope fastenings.*

Variance Request No. 3 (ASME A17.1-2004, section 2.26.9.4)

*2.26.9.4 Redundant devices used to satisfy 2.26.9.3 in the determination of the occurrence of a single ground, or the failure of any single magnetically operated switch, contactor or relay, or of any single solid state device, or any single device that limits the leveling or truck zone, or a software system failure, shall be checked prior to each start of the elevator from a landing, when on automatic operation. When a single ground or failure, as specified in 2.26.9.3, occurs, the car shall not be permitted to restart. Implementation of redundancy by a software system is permitted, provided that the removal of power from the driving-machine motor and brake shall not be solely dependent on software-controlled means.*

Variance Request No. 4 (ASME A17.1-2004, section 2.26.9.6.1)

*2.26.9.6.1 Two separate means shall be provided to independently inhibit the flow of alternating-current through the solid state devices that connect the direct-current power source to the alternating-current driving motor. At least one of the means shall be an electromechanical relay.*

Variance Request No. 5 (ASME A17.1-2004, section 2.26.1.4[.1](a))

2.26.1.4.1 General Requirements

(a) Operating devices for inspection operation shall be provided on the top of the car and shall also be permitted in the car and in the machine room.

Variance Request No. 6 (ASME A17.1-2004, section 8.4.10.1.1(a)(2)(b))

8.4.10.1.1 Earthquake Equipment (See Also Fig. 8.4.10.1.1)

(a) All traction elevators operating at a rated speed of 0.75 m/s (150 ft/min) or more and having counterweights located in the same hoistway shall be provided with the following:

(1) seismic zone 3 or greater: a minimum of one seismic switch per building

(2) seismic zone 2 or greater:

(a) a displacement switch for each elevator

(b) an identified momentary reset button or switch for each elevator, located in the control panel in the elevator machine room [see 8.4.10.1.3(i)]

C. Findings

1. Applicant proposes to utilize inset car top railings and guards in compliance with ASME 17.1-2013, section 2.14.1.7.1 and the *Vivante Westside, LLC* File No. 18-V-364 (Nov. 20, 2020) decision (*Vivante*). Applicant further claims that the request is consistent with the *Vivante*, the *Mack Urban, LLC*, File No. 15-V-349 (Nov. 17, 2016), and the *Patton Equities, LLC* File No. 20-V-128 (Nov. 12, 2020) decisions (*Patton Equities*).
2. Applicant proposes to utilize noncircular elastomeric-coated steel belts (“ECSBs”) rather than steel ropes in a machine room-less (“MRL”) elevator installation, with updated data plates, data tags, and wedge sockets designed for use with ECSBs, as well as the appropriate factor of safety criteria conforming to ASME 17.1-2013, with a continuous residual strength detection device (“RSDD”) compliant with the *San Francisco Public Works (File No. 21-V-061, et al.)* decisions.
3. The installation shall utilize the TK Elevator Model 104DP001 RSDD, accepted by the Division on May 4, 2021.
4. Applicant proposes to comply with ASME A17.1-2013 sections 2.26.9.3, “Protection Against Failures”, rather than the requirements of 2.26.9.3 and 2.26.9.4 in the ASME 2004 code.



5. Applicant proposes to use TKE's control systems, using the TKE TAC32T Controller with SIL3 rated elements, to provide equivalent safety to ASME A17.1-2004, section 2.26.9.4 as a means to inhibit flow of Alternating Current to the Driving Motor in compliance with ASME A17.1-2013, section 2.26.9.6.
6. Applicant proposes to locate the Inspection Transfer Switch within the machinery/control room/space in the MRL installation, in compliance with ASME 17.1-2013, section 2.26.1.4.
7. Applicant proposes to locate the Seismic-Operation Reset Switch in the machinery/control room/space in the MRL installation.

D. Decision and Order

Applicant is hereby conditionally GRANTED Permanent Variance as specified below, and to the limited extent, as of the date the Board adopts this Proposed Decision, with respect to the section A specified number of TKE EVO 200 elevator(s), at the specified location, each shall conditionally hold permanent variance from the following subparts of ASME A17.1-2004, currently incorporated by reference into section 3141 of the Elevator Safety Orders:

- Car-Top Railing: 2.14.1.7.1 (Limited to the extent necessary to permit the use of an inset car-top railing)
- Suspension Means: 2.20.1, 2.20.2.1, 2.20.2.2(a), 2.20.2.2(f), 2.20.3, 2.20.4, and 2.20.9.1 (Limited to the extent necessary to permit the use of the elastomeric-coated steel belts in lieu of circular steel suspension ropes)
- Inspection transfer switch: 2.26.1.4.4(a) (Limited to the extent necessary to permit the inspection transfer switch to reside at a location other than the machine room)
- Software Reliant Means to Remove Power: 2.26.9.4 (Limited to the extent necessary to permit the exclusive use of SIL-rated software systems as a means to remove power from the driving machine motor and brake)
- SIL-Rated Circuitry to Inhibit Current Flow: 2.26.9.6.1 (Limited to the extent necessary to permit the use of SIL-rated circuitry in place of an electromechanical relay to inhibit current flow to the drive motor)
- Seismic reset switch: 8.4.10.1.1(a)(2)(b) (Limited to the extent necessary to permit the seismic reset switch to reside at a location other than the machine room)

Inset Car Top Railing (Variance Request No. 1):

- 1.0 Any and all inset car top railings shall comply with the following:
- 1.1 Serviceable equipment shall be positioned so that mechanics and inspectors do not have to stand on or climb over the railings to perform adjustments, maintenance, repairs or inspections. The Applicant shall not permit trained elevator mechanics or elevator service personnel to stand or climb over the car top railing.
- 1.2 The distance that the railing can be inset shall be limited to not more than six inches (6").
- 1.3 All exposed areas of the car top outside the car top railing where the distance from the railing to the edge of the car top exceeds two inches (2"), shall be beveled with metal, at an angle of not less than 75 degrees with the horizontal, from the mid or top rail to the outside of the car top, such that no person or object can stand, sit, kneel, rest, or be placed in the exposed areas.
- 1.4 The top surface of the beveled area and/or car top outside the railing, shall be clearly marked. The markings shall consist of alternating 4" diagonal red and white stripes.
- 1.5 The Applicant shall provide durable signs with lettering not less than 1/2 inch on a contrasting background on each inset railing; each sign shall state:

**CAUTION**  
**STAY INSIDE RAILING**  
**NO LEANING BEYOND RAILING**  
**NO STEPPING ON, OR BEYOND, RAILING**

- 1.6 The Group IV requirements for car top clearances shall be maintained (car top clearances outside the railing will be measured from the car top and not from the required bevel).

Suspension Means (Variance Request No. 2):

- 2.0 The elevator suspension system shall comply with the following:
- 2.1 The elastomeric coated steel belts (ECSBs) and their associated fastenings shall conform to the applicable requirements of ASME A17.1-2013, sections:
  - 2.20.4.3 – Minimum Number of Suspension Members
  - 2.20.3 – Factor of Safety
  - 2.20.9 – Suspension Member Fastening

- 2.2 Additionally, ECSBs shall meet or exceed all requirements of ASME A17.6 2010, Standard for Elevator Suspension, Compensation, and Governor Systems, Part 3 Noncircular Elastomeric Coated Steel Suspension Members for Elevators.
- 2.3 The Applicant shall not utilize the elevator unless the manufacturer has written procedures for the installation, maintenance, inspection and testing of the ECSBs and fastenings and related monitoring and detection systems and criteria for ECSB replacement, and the Applicant shall make those procedures and criteria available to the Certified Competent Conveyance Mechanic (CCCM) at the location of the elevator, and to the Division of Occupational Safety and Health (Division) upon request.
- 2.4 ECSB mandatory replacement criteria shall include:
  - 2.4.1. Any exposed wire, strand or cord;
  - 2.4.2. Any wire, strand or cord breaks through the elastomeric coating;
  - 2.4.3. Any evidence of rouging (steel tension element corrosion) on any part of the elastomeric coated steel suspension member;
  - 2.4.4. Any deformation in the elastomeric suspension member such as, but not limited to, kinks or bends.
- 2.5 Traction drive sheaves must have a minimum diameter of 112 mm. The maximum speed of ECSBs running on 112 mm drive sheaves shall be no greater than 6.1 m/s.
- 2.6 If any one (1) ECSB needs replacement, the complete set of suspension members on the elevator shall be replaced. Exception: If a new suspension member is damaged during installation, and prior to any contemporaneously installed ECSB having been placed into service, it is permissible to replace the individual damaged suspension member. ECSBs that have been installed on another installation shall not be re used.
- 2.7 A traction loss detection means shall be provided that conforms to the requirements of ASME A17.1-2013, section 2.20.8.1. The means shall be tested for correct function annually in accordance with ASME A17.1-2013, section 8.6.4.19.12.
- 2.8 A broken suspension member detection means shall be provided that conforms to the requirements of ASME A17.1-2013, section 2.20.8.2. The means shall be tested for correct function annually in accordance with ASME A17.1-2013, section 8.6.4.19.13(a).
- 2.9 An elevator controller integrated bend cycle monitoring system shall monitor actual ECSB bend cycles, by means of continuously counting, and storing in nonvolatile memory, the number of trips that the ECSB makes traveling, and thereby being bent,

over the elevator sheaves. The bend cycle limit monitoring means shall automatically stop the car normally at the next available landing before the bend cycle correlated residual strength of any single ECSB member drops below (60%) sixty percent of full rated strength. The monitoring means shall prevent the car from restarting. Notwithstanding any less frequent periodic testing requirement per Addendum 2 (Division Circular Letter), the bend cycle monitoring system shall be tested semiannually in accordance with the procedures required per above Conditions 2.3 and 2.4.

- 2.10 The elevator crosshead data plate shall comply with the requirements of ASME A17.1-2013, section 2.20.2.1.
- 2.11 A suspension means data tag shall be provided that complies with the requirements of ASME A17.1-2013, section 2.20.2.2.
- 2.12 Comprehensive visual inspections of the entire length of each and all installed suspension members, in conformity with above Conditions 2.3 and 2.4 specified criteria, shall be conducted and documented every six (6) months by a CCCM.
- 2.13 The Applicant shall be subject to the requirements per hereto attached, and inhere incorporated, Addendum 1, "Suspension Means Replacement Reporting Condition."
- 2.14 Records of all tests and inspections shall be maintenance records subject to ASME A17.1-2004, sections 8.6.1.2, and 8.6.1.4, respectively.
- 2.15 The subject elevators(s) shall be equipped with a TK Elevator Model 104DP001 Residual Strength Detection Device accepted by the Division on May 4, 2021 or Division accepted equivalent device.

#### Control and Operating Circuits

##### Combined Software Redundant Devices with Software Removal of Power from Driving Motor and Brake (Variance Request No. 3)

##### Removal of Power from Driving Motor Without Electro-mechanical Switches (Variance Request No. 4)

- 3.0 The SIL rated circuitry used to provide device/circuit redundancy and to inhibit electrical current flow in accordance with ASME A17.1-2004, sections 2.26.9.4 and 2.26.9.6.1 shall comply with the following:
- 3.1 The SIL rated systems and related circuits shall consist of:
  - 3.1.1. ELGO LIMAX33 RED, (aka LIMAX3R-03-050-0500-CNXTG-RJU), Safe Magnetic Absolute Shaft Information System, labeled or marked with the SIL rating (not less than SIL 3), the name or mark of the certifying organization, and the SIL

certification number (968/A 163), followed by the applicable revision number (as in 968/A 163.07/19).

- 3.1.2 Printed circuit board assembly SSOA (6300 AHE001), labeled or marked with the SIL rating (not less than SIL 3), the name or mark of the certifying organization, and the SIL certification number (968/FSP 1347), followed by the applicable revision number (as in 968/FSP 1347.00/16).
- 3.1.3 Two circuit board components (Serializer S3I and S3O), each labeled or marked with the SIL rating (not less than SIL 3), the name or mark of the certifying organization and the SIL certification number (968/A 162), followed by the applicable revision number (as in 968/A 162.04/18)
- 3.2 The software system and related circuits shall be certified for compliance with the applicable requirements of ASME A17.1-2013, section 2.26.4.3.2.
- 3.3 The access door or cover of the enclosures containing the SIL rated components shall be clearly labeled or tagged on their exterior with the statement:

**Assembly contains SIL rated devices.  
Refer to maintenance Control Program and wiring diagrams  
prior to performing work.**

- 3.4 Unique maintenance procedures or methods required for the inspection, testing, or replacement of the SIL rated circuits shall be developed and a copy maintained in the elevator machine/control room/space. The procedures or methods shall include clear color photographs of each SIL rated component, with notations identifying parts and locations.
- 3.5 Wiring diagrams that include part identification, SIL, and certification information shall be maintained in the elevator machine/control room/space.
- 3.6 A successful test of the SIL rated circuits shall be conducted initially and not less than annually in accordance with the testing procedure. The test shall demonstrate that SIL rated devices, safety functions, and related circuits operate as intended.
- 3.7 Any alterations to the SIL rated circuits shall be made in compliance with the Elevator Safety Orders. If the Elevator Safety Orders do not contain specific provisions for the alteration of SIL rated devices, the alterations shall be made in conformance with ASME A17.1-2013, section 8.7.1.9.
- 3.8 Any replacement of the SIL rated circuits shall be made in compliance with the Elevator Safety Orders. If the Elevator Safety Orders do not contain specific provisions for the replacement of SIL rated devices, the replacement shall be made

in conformance with ASME A17.1-2013, section 8.6.3.14.

- 3.9 Any repairs to the SIL rated circuits shall be made in compliance with the Elevator Safety Orders. If the Elevator Safety Orders do not contain specific provisions for the repair of SIL rated devices, the repairs shall be made in conformance with ASME A17.1-2013, section 8.6.2.6.
- 3.10 Any space containing SIL rated circuits shall be maintained within the temperature and humidity range specified by TKE. The temperature and humidity range shall be posted on each enclosure containing SIL rated software or circuits.
- 3.11 Field software changes to the SIL rated system are not permitted. Any changes to the SIL rated system's circuitry will require recertification and all necessary updates to the documentation and diagrams required by Conditions 3.4 and 3.5 above.

Inspection Transfer Switch and Seismic Reset Switch (Variance Request Nos. 5 and 6):

- 4.0 Inspection Transfer switch and Seismic Reset switch placement and enclosure shall comply with the following:
  - 4.1 If the inspection transfer switch required by ASME A17.1-2004, section 2.26.1.4.4, does not reside in a machine room, that switch shall not reside in the elevator hoistway. The switch shall reside in the control/machinery room/space containing the elevator's control equipment in an enclosure secured by a lock openable by a Group 1 security key. The enclosure is to remain locked at all times when not in use.
  - 4.2 If the seismic reset switch does not reside in the machine room, that switch shall not reside in the elevator hoistway. The switch shall reside in the control/machinery room/space containing the elevator's control equipment in an enclosure secured by a lock openable by a Group 1 security key. The enclosure is to remain locked at all times when not in use.
- 5.0 The elevator shall be serviced, maintained, adjusted, tested, and inspected only by CCCM having been trained, and competent, to perform those tasks on the TKE EVO 200 elevator system in accordance with written procedures and criteria, including as required per above Conditions 2.3, and 2.4.
- 6.0 The Division shall be notified when the elevator is ready for inspection. The elevator shall be inspected by the Division, and all applicable requirements met, including conditions of this permanent variance, prior to a Permit to Operate the elevator being issued. The elevator shall not be placed in full service prior to the Permit to Operate being issued by Division.
- 7.0 The Applicant shall notify its employees or their authorized representative(s), or

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*Hearing Date: May 25, 2022*

both, of this order in the same way and to the same extent that employees and authorized representatives are to be notified of docketed permanent variance applications pursuant to California Code of Regulations, Title 8, sections 411.2, and 411.3.

- 8.0 This Decision and Order shall remain in effect unless modified or revoked upon application by the Applicant, affected employee(s), the Division, or by the Board on its own motion, in the manner prescribed for its issuance.

Pursuant to California Code of Regulations, Title 8, Section 426(b), the above, duly completed Proposed Decision, is hereby submitted to the Occupational Safety and Health Standards Board for consideration of adoption.

DATED: May 26, 2022

  
\_\_\_\_\_  
Autumn Gonzalez, Hearing Officer

**ADDENDUM 1**

**SUSPENSION MEANS REPLACEMENT REPORTING REQUIREMENTS**

Beginning on the date the Board adopts this Proposed Decision and continuing for a period of two years, the Applicant shall report to the Division within 30 days any and all replacement activity performed on the elevator(s) pursuant to the requirements of ASME A17.1-2004, Section 8.6.3 involving the suspension means or suspension means fastenings.

Further:

- (1) A separate report for each elevator shall be submitted, in a manner acceptable to the Division, to the following address (or to such other address as the Division might specify in the future): DOSH Elevator Unit, Attn: Engineering Section, 2 MacArthur Place Suite 700, Santa Ana, CA 92707.
- (2) Each such report shall contain, but not necessarily be limited to, the following information:
  - (a) The State-issued conveyance number, complete address, and OSHSB file number that identifies the permanent variance.
  - (b) The business name, complete address, telephone number, and contact person of the elevator responsible party (presumably the Applicant or the subsequent holder of this variance).
  - (c) The business name, complete address, telephone number, and Certified Qualified Conveyance Company (CQCC) certification number of the firm performing the replacement work.
  - (d) The name (as listed on certification), Certified Competent Conveyance Mechanic (CCCM) certification number, and certification expiration date of each CCCM performing the replacement work.
  - (e) The date and time the elevator was removed from normal service for suspension replacement, the date and time the replacement work commenced, the date and time the replacement work was completed, and the date and time the elevator was returned to normal service.
  - (f) A detailed description of, and clear color photographs depicting, (1) all the conditions that existed in the suspension components requiring their replacement and (2) any conditions that existed to cause damage or distress to the suspension components being replaced.



- (g) A detailed list of all elevator components adjusted, repaired, or replaced in conjunction with the suspension component replacement.
- (h) All information provided on the crosshead data plate per ASME A17.1-2004, Section 2.20.2.1, unless that ASME requirement is modified by the conditions of a variance that pertains to the elevator in question, in which case, the information to be reported shall be the information required by the ASME provision as modified by the variance.
- (i) For the suspension means being replaced, all information provided on the data tag required per ASME A17.1-2004, Section 2.20.2.2, unless that ASME requirement is modified by the conditions of a variance that pertains to the elevator in question, in which case, the information to be reported shall be the information required by the ASME provision as modified by the variance.
- (j) For the replacement suspension means, all information provided on the data tag required by ASME A17.1-2004, Section 2.20.2.2, unless that ASME requirement is modified by the conditions of a variance that pertains to the elevator in question, in which case, the information to be reported shall be the information required by the ASME provision as modified by the variance.
- (k) Any other information requested by the Division regarding the replacement of the suspension means or fastenings.

In addition to the submission of the report to the Division, the findings of any testing, failure analysis, or other engineering evaluations performed on any portion of the replaced suspension components, or other elevator components replaced in conjunction therewith, shall be submitted to the Division referencing the information contained in item 2(a) above.

**ADDENDUM 2**

CIRCULAR LETTER E-10-04, October 6, 2010

TO: Installers, Manufacturers of Conveyances and Related Equipment and, Other Interested Parties

SUBJECT: Coated Steel Belt Monitoring

The Elevator Safety Orders require routine inspection of the suspension means of an elevator to assure its safe operation.

The California Labor Code Section 7318 allows the Division to promulgate special safety orders in the absence of regulation.

As it is not possible to see the steel cable suspension means of a Coated Steel Belt, a monitoring device which has been accepted by the Division is required on all Coated Steel Belts which will automatically stop the car if the residual strength of any belt drops below 60%. The Device shall prevent the elevator from restarting after a normal stop at a landing.

The monitoring device must be properly installed and functional. A functioning device may be removed only after a determination has been made that the residual strength of each belt exceeds 60%. These findings and the date of removal are to be conspicuously documented in the elevator machine room. The removed device must be replaced or returned to proper service within 30 days.

If upon routine inspection, the monitoring device is found to be in a non-functional state, the date and findings are to be conspicuously documented in the elevator machine room.

If upon inspection by the Division, the monitoring device is found to be non-functional or removed, and the required documentation is not in place, the elevator will be removed from service.

If the device is removed to facilitate belt replacement, it must be properly installed and functional before the elevator is returned to service.

A successful test of the device's functionality shall be conducted once a year.

This circular does not preempt the Division from adopting regulations in the future, which may address the monitoring of Coated Steel Belts or any other suspension means.

This circular does not create an obligation on the part of the Division to permit new conveyances utilizing Coated Steel Belts.

Debra Tudor  
Principal Engineer  
DOSH-Elevator Unit HQ

**ADDENDUM 3**

- (A) A Residual Strength Detection Device (RSDD) shall continuously monitor all Elastomeric Coated Steel Belt suspension members (ECSB), automatically stopping the car if the residual strength of any belt drops below 60%. The RSDD shall prevent the elevator from restarting after a normal stop at a landing. The RSDD shall device shall apply a form of electrical current and/or signal through the entire length of the steel tension elements of the ECSB and measure the current and/or signal on its return. The values measured shall be continuously compared to values that have been correlated to the remaining residual strength of the ECSB through testing. The required RSDD shall not rely upon giant magnetoresistance technology, or other magnetic measurement means, for residual strength detection or monitoring.

The RSDD must be properly installed and functional. A functioning device may be removed only after a determination has been made that the residual strength of each belt exceeds 60%. These findings and the date of removal are to be conspicuously documented in the elevator machine room or controller location. The removed RSDD must be replaced or returned to proper service within 30 days. If upon routine inspection, the RSDD device is found to be in a non-functional state, the date and findings are to be conspicuously documented in the elevator machine room or controller location.

If upon inspection by the Division, the RSDD is found to be non-functional or removed, and the required documentation is not in place, the elevator will be removed from service. If the device is removed to facilitate belt replacement, it must be properly installed and functional before the elevator is returned to service.

- (B) On or before November 21 2021, and thereafter, the above specified and documented RSDD shall be installed and operational on the subject elevator.
- (C) A successful functionality test of each RSDD shall be conducted once a year, and a copy of completed testing documentation conspicuously located in the machine room or within proximity of the controller.

STATE OF CALIFORNIA  
DEPARTMENT OF INDUSTRIAL RELATIONS  
OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
2520 Venture Oaks Way, Suite 350  
Sacramento, California 95833  
(916) 274-5721

In the Matter of Application for  
Permanent Variance regarding:

Schindler 3300 with SIL-Rated Drive  
to De-energize Motor (Group IV)

OSHSB File No.: See Section 1 table of  
Proposed Decision Dated: May 26, 2022

DECISION

The Occupational Safety and Health Standards Board hereby adopts the attached  
PROPOSED DECISION by Autumn Gonzalez, Hearing Officer.

\_\_\_\_\_  
DAVID THOMAS, Chairman

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BARBARA BURGEL, Member

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KATHLEEN CRAWFORD, Member

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DAVID HARRISON, Member

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NOLA KENNEDY, Member

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CHRIS LASZCZ-DAVIS, Member

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LAURA STOCK, Member

OCCUPATIONAL SAFETY AND HEALTH  
STANDARDS BOARD

Date of Adoption: June 16, 2022

THE FOREGOING VARIANCE DECISION WAS  
ADOPTED ON THE DATE INDICATED ABOVE.  
IF YOU ARE DISSATISFIED WITH THE  
DECISION, A PETITION FOR REHEARING  
MAY BE FILED BY ANY PARTY WITH THE  
STANDARDS BOARD WITHIN TWENTY (20)  
DAYS AFTER SERVICE OF THE DECISION.  
YOUR PETITION FOR REHEARING MUST  
FULLY COMPLY WITH THE REQUIREMENTS  
OF CALIFORNIA CODE OF REGULATIONS,  
TITLE 8, SECTIONS 427, 427.1 AND 427.2.

Note: A copy of this Decision must be  
posted for the Applicant's employees to  
read, and/or a copy thereof must be  
provided to the employees' Authorized  
Representatives.

BEFORE THE  
 OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
 DEPARTMENT OF INDUSTRIAL RELATIONS  
 STATE OF CALIFORNIA

<p>In the Matter of Application for Permanent Variance Regarding:</p> <p>Schindler 3300 with SIL-Rated Drive to De-energize Drive Motor (Group IV)</p>	<p>OSHSB File Nos.: Per table, in Jurisdictional and Procedural Matters below</p> <p><u>PROPOSED DECISION</u></p> <p>Hearing Date: May 25, 2022</p>
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Jurisdictional and Procedural Matters

- Each below listed applicant (“Applicant”) has applied for permanent variance from certain provisions of the Elevator Safety Orders, found at title 8, of the California Code of Regulations, with respect to a conveyance, or conveyances, in the listed quantity, at the listed location:

Variance No.	Applicant Name	Variance Location Address	No. of Elevators
22-V-092	Community Youth Center of San Francisco	952 Clement Street San Francisco, CA	1
22-V-131	KR Private Properties L.A., LLC	9388 Santa Monica Blvd. Beverly Hills, CA	1

- This proceeding is conducted in accordance with Labor Code section 143, and California Code of Regulations, title 8, section 401, et. seq.
- This hearing was held on May 25, 2022, in Sacramento, California, via teleconference, by Occupational Safety and Health Standards Board (“Board”), with Hearing Officer Autumn Gonzalez, both presiding and hearing the matter on its merit, as a basis of proposed decision to be advanced to the Board for its consideration, in accordance with California Code of Regulations, title 8, section 426.
- At the hearing, Jennifer Linares, with the Schindler Elevator Corporation, appeared on behalf of each Applicant; Mark Wickens and David Morris appeared on behalf of the Division of Occupational Safety and Health (“Division”), and Michael Nelmidia appeared on behalf of Board staff, in a technical advisory role apart from the Board.
- Oral evidence was received at the hearing, and by stipulation of all parties, documents were admitted into evidence:

*Proposed Variance Decision*

*Schindler 3300 with SIL-Rated Drive to De-energize Drive Motor (Group IV)*

*Hearing Date: May 25, 2022*

<b>Exhibit Number</b>	<b>Description of Exhibit</b>
PD-1	Permanent variance applications per section A.1 table
PD-2	OSHSB Notice of Hearing
PD-3	Board Staff Reviews of Variance Application
PD-4	Division Reviews of Variance Application
PD-5	Review Draft-1 Proposed Decision

Official notice taken of the Board’s rulemaking records, and variance decisions concerning the safety order requirements from which variance is requested. At close of hearing on May 25, 2022, the record was closed, and the matter taken under submission by the Hearing Officer.

Relevant Safety Order Provisions

Applicant seeks a permanent variance from section 3141 [ASME A17.1-2004, sections 2.20.1, 2.20.2.1, 2.20.2.2(a), 2.20.2.2(f), 2.20.3, 2.20.4, 2.20.9.5.4, 2.26.1.4.4(a), 8.4.10.1.1(a)(2)(B), 2.14.1.7.1, and 2.26.9.6.1]. The relevant language of those sections are below.

1. Suspension Means

Section 3141 [ASME A17.1-2004, section 2.20.1, Suspension Means] states in part:

Elevator cars shall be suspended by steel wire ropes attached to the car frame or passing around sheaves attached to the car frame specified in 2.15.1. Ropes that have previously been installed and used on another installation shall not be reused. Only iron (low-carbon steel) or steel wire ropes, having the commercial classification “Elevator Wire Rope,” or wire rope specifically constructed for elevator use, shall be used for the suspension of elevator cars and for the suspension of counterweights. The wire material for ropes shall be manufactured by the open-hearth or electric furnace process, or their equivalent.

Section 3141 [ASME A17.1-2004, section 2.20.2.1(b), On Crosshead Data Plate] states in part:

The crosshead data plate required by 2.16.3 shall bear the following wire-rope data:

(b) the diameter in millimeters (mm) or inches (in.)

Section 3141 [ASME A17.1-2004, section 2.20.2.2(a) and (f) On Rope Data Tag] states in part:

A metal data tag shall be securely attached-to-one of the wire-rope fastenings. This data tag shall bear the following wire-rope data:

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(a) the diameter in millimeters (mm) or inches (in.)

[...]

(f) whether the ropes were non preformed or preformed

Section 3141 [ASME A17.1-2004, section 2.20.3, Factor of Safety] states:

The factor of safety of the suspension wire ropes shall be not less than shown in Table 2.20.3. Figure 8.2.7 gives the minimum factor of safety for intermediate rope speeds. The factor of safety shall be based on the actual rope speed corresponding to the rated speed of the car.

The factor of safety shall be calculated by the following formula:

$$f = \frac{S \times N}{W}$$

where:

N= number of runs of rope under load. For 2:1 roping, N shall be two times the number of ropes used, etc.

S= manufacturer's rated breaking strength of one rope

W= maximum static load imposed on all car ropes with the car and its rated load at any position in the hoistway

Section 3141 [ASME A17.1-2004, section 2.20.4, Minimum Number and Diameter of Suspension Ropes] states:

The minimum number of hoisting ropes used shall be three for traction elevators and two for drum-type elevators.

Where a car counterweight is used, the number of counterweight ropes used shall be not less than two.

The term "diameter," where used in reference to ropes, shall refer to the nominal diameter as given by the rope manufacturer.

The minimum diameter of hoisting and counterweight ropes shall be 9.5 mm (0.375 in.). Outer wires of the ropes shall be not less than 0.56 mm (0.024 in.) in diameter.

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Section 3141 [ASME A17.1-2004, section 2.20.9.3.4] states:

Cast or forged steel rope sockets, shackle rods, and their connections shall be made of unwelded steel, having an elongation of not less than 20% in a gauge length of 50 mm (2 in.), when measured in accordance with ASTM E 8, and conforming to ASTM A 668, Class B for forged steel, and ASTM A 27, Grade 60/30 for cast steel, and shall be stress relieved. Steels of greater strength shall be permitted, provided they have an elongation of not less than 20% in a length of 50 mm (2 in.).

Section 3141 [ASME A17.1-2004, section 2.20.9.5.4] states:

When the rope has been seated in the wedge socket by the load on the rope, the wedge shall be visible, and at least two wire-rope retaining clips shall be provided to attach the termination side to the load-carrying side of the rope (see Fig. 2.20.9.5). The first clip shall be placed a maximum of 4 times the rope diameter above the socket, and the second clip shall be located within 8 times the rope diameter above the first clip. The purpose of the two clips is to retain the wedge and prevent the rope from slipping in the socket should the load on the rope be removed for any reason. The clips shall be designed and installed so that they do not distort or damage the rope in any manner.

2. Inspection Transfer Switch

Section 3141[ASME A17.1-2004, section 2.26.1.4.4(a), Machine Room Inspection Operation] states:

When machine room inspection operation is provided, it shall conform to 2.26.1.4.1, and the transfer switch shall be

(a) located in the machine room[.]

3. Seismic Reset Switch

Section 3141[ASME A17.1-2004, section 8.4.10.1.1(a)(2)(b), Earthquake Equipment] states:

(a) All traction elevators operating at a rated speed of 0.75 m/s (150 ft/min) or more and having counterweights located in the same hoistway shall be provided with the following:

(1) seismic zone 3 or greater: a minimum of one seismic switch per building

(2) seismic zone 2 or greater:



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(a) a displacement switch for each elevator

(b) an identified momentary reset button or switch for each elevator, located in the control panel in the elevator machine room

4. Car-top Railings

Section 3141[ASME A17.1-2004, section 2.14.1.7.1] states:

A standard railing conforming to 2.10.2 shall be provided on the outside perimeter of the car top on all sides where the perpendicular distance between the edges of the car top and the adjacent hoistway enclosure exceeds 300 mm (12 in.) horizontal clearance.

5. SIL-Rated System to Inhibit Current Flow to AC Drive Motor

Section 3141[ASME A17.1-2004, section 2.26.9.6.1] states:

Two separate means shall be provided to independently inhibit the flow of alternating current through the solid state devices that connect the direct current power source to the alternating-current driving motor. At least one of the means shall be an electromechanical relay.

Findings of Fact

Based on the record of this proceeding, the Board finds the following:

1. Applicant intends to utilize Schindler model 3300 MRL elevator cars at the locations listed in Jurisdictional and Procedural Matters, section 1.
2. The installation contract for these elevator was or will be signed on or after May 1, 2008, thus making the elevator subject to the Group IV Elevator Safety Orders.
3. The Schindler model 3300 MRL elevator cars are not supported by circular steel wire ropes, as required by the Elevator Safety Orders (ESO). They utilize non-circular elastomeric-coated steel belts and specialized suspension means fastenings.
4. No machine room is provided, preventing the inspection transfer switch from being located in the elevator machine room. The lack of machine room also prevents the seismic reset switch from being located in the elevator machine room.
5. Applicant proposes to relocate the inspection transfer switch and seismic reset switch in an alternative enclosure.

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6. The driving machine and governor are positioned in the hoistway and restrict the required overhead clearance to the elevator car top.
7. Applicant proposes to insert the car-top railings at the perimeter of the car top.
8. Applicant intends to use an elevator control system, model CO NX100NA, with a standalone, solid-state motor control drive system that includes devices and circuits having a Safety Integrity Level (SIL) rating to execute specific elevator safety functions.

Conclusive Findings:

The above-stated procedural prerequisites, legal authority, and factual findings, as further supported by the documentary record and hearing testimony in this matter, provide a substantive and reasonable basis of conclusion that: (1) Applicant has complied with the statutory and regulatory requirements that must be met before an application for permanent variance may be conditionally granted; and (2) a preponderance of the evidence establishes that Applicant's proposal, subject to all conditions and limitations set forth in the below Decision and Order, will provide equivalent safety and health to that which would prevail upon full compliance with the requirements of California Code of Regulation, title 8, Elevator Safety Orders from which variance is being sought.

Decision and Order:

Each Application being the subject of this proceeding, per the table in Jurisdictional and Procedural Matters, section 1 above, is conditionally GRANTED, to the extent that each such Applicant shall be issued permanent variance from California Code of Regulations, title 8, section 3141 shall be GRANTED subject to the following conditions and limitations:

Elevator Safety Orders:

- Suspension Means: 2.20.1, 2.20.2.1, 2.20.2.2(a), 2.20.2.2(f), 2.20.3, 2.20.4, 2.20.9.3.4, and 2.20.9.5.4 (Only to the extent necessary to permit the use of the Elastomeric-coated Steel Belts proposed by the Applicant, in lieu of circular steel suspension ropes.);
- Inspection transfer switch: 2.26.1.4.4(a) (Only to the extent necessary to permit the inspection transfer switch to reside at a location other than the machine room);
- Seismic reset switch: 8.4.10.1.1(a)(2)(b) (Only to the extent necessary to permit the seismic reset switch to reside at a location other than the machine room. room);
- Car-Top Railing: 2.14.1.7.1 (Only to the extent necessary to permit the use of the car-top railing system proposed by the Applicant, where the railing system is located inset from the elevator car top perimeter);

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- Means of Removing Power: 2.26.9.6.1 (Only to the extent necessary to permit the use of SIL-rated devices and circuits as a means to remove power from the AC driving motor, where the redundant monitoring of electrical protective devices is required by the Elevator Safety Orders).

Conditions:

1. The elevator suspension system shall comply to the following:
  - a. The suspension traction media (STM) members and their associated fastenings shall conform to the applicable requirements of ASME A17.1-2013, sections:
    - 2.20.4.3 – Minimum Number of Suspension Members
    - 2.20.3 – Factor of Safety
    - 2.20.9 – Suspension Member Fastening
  - b. The Applicant shall not utilize the elevator unless the manufacturer has written procedures for the installation, maintenance, inspection and testing of the STM members and fastenings and related monitoring and detection systems and criteria for STM replacement, and the Applicant shall make those procedures and criteria available to the Certified Competent Conveyance Mechanic (CCCM) at the location of the elevator, and to the Division upon request.

STM member mandatory replacement criteria shall include:

- i. Any exposed wire, strand or cord;
  - ii. Any wire, strand or cord breaks through the elastomeric coating;
  - iii. Any evidence of rouging (steel tension element corrosion) on any part of the elastomeric-coated steel suspension member;
  - iv. Any deformation in the elastomeric suspension member such as, but not limited to, kinks or bends;
- c. Traction drive sheaves must have a minimum diameter of 72 mm. The maximum speed of STM members running on 72 mm, 87 mm and 125 mm drive sheaves shall be no greater than 2.5 m/s, 6.0 m/s and 8.0 m/s respectively.
  - d. If any one STM member needs replacement, the complete set of suspension members on the elevator shall be replaced. Exception: if a new suspension member is damaged during installation, and prior to any contemporaneously installed STM having been placed into service, it is permissible to replace the individual damaged suspension member. STM members that have been installed on another installation shall not be re-used.

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*Hearing Date: May 25, 2022*

- e. A traction loss detection means shall be provided that conforms to the requirements of ASME A17.1-2013, section 2.20.8.1. The means shall be tested for correct function annually in accordance with ASME A17.1-2013, section 8.6.4.19.12.
  - f. A broken suspension member detection means shall be provided that conforms to the requirements of ASME A17.1-2013, section 2.20.8.2. The means shall be tested for correct function annually in accordance with ASME A17.1-2013, section 8.6.4.19.13(a).
  - g. An elevator controller integrated bend cycle monitoring system shall monitor actual STM bend cycles, by means of continuously counting, and storing in nonvolatile memory, the number of trips that the STM makes traveling, and thereby being bent, over the elevator sheaves. The bend cycle limit monitoring means shall automatically stop the car normally at the next available landing before the bend cycle correlated residual strength of any single STM member drops below 80 percent of full rated strength. The monitoring means shall prevent the car from restarting. The bend cycle monitoring system shall be tested annually in accordance with the procedures required by condition 1b above.
  - h. The elevator shall be provided with a device to monitor the remaining residual strength of each STM member. The device shall conform to the requirements of Division Circular Letter E-10-04, a copy of which is attached hereto as Exhibit 1 and incorporated herein by reference.
  - i. The elevator crosshead data plate shall comply with the requirements of ASME A17.1-2013, section 2.20.2.1.
  - j. A suspension means data tag shall be provided that complies with the requirements of ASME A17.1-2013, section 2.20.2.2.
  - k. Comprehensive visual inspections of the entire length of each and all installed suspension members, to the criteria developed in condition 1b, shall be conducted and documented every six months by a CCCM.
  - l. The Applicant shall be subject to the requirements set out in Exhibit 2 of this Decision and Order, "Suspension Means Replacement Reporting Condition," Incorporated herein by this reference.
  - m. Records of all tests and inspections shall be maintenance records subject to ASME A17.1-2004, sections 8.6.1.2 and 8.6.1.4, respectively.
2. If the inspection transfer switch required by ASME A17.1-2004, section 2.26.1.4.4 does not reside in a machine room, that switch shall not reside in the elevator hoistway. The switch shall reside in the control/machinery room/space containing the elevator's control

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equipment in an enclosure secured by a lock openable by a Group 1 security key. The enclosure is to remain locked at all times when not in use.

3. If the seismic reset switch does not reside in the machine room, that switch shall not reside in the elevator hoistway. The switch shall reside in the control/machinery room/space containing the elevator's control equipment in an enclosure secured by a lock openable by a Group 1 security key. The enclosure is to remain locked at all times when not in use.
4. If there is an inset car-top railing:
  - a. Serviceable equipment shall be positioned so that mechanics and inspectors do not have to climb on the railings to perform adjustments, maintenance, repairs or inspections. The Applicant shall not permit anyone to stand or climb over the car-top railing.
  - b. The distance that the railing can be inset shall be limited to not more than 6 inches.
  - c. All exposed areas of the car top outside the car-top railing where the distance from the railing to the edge of the car top exceeds 2 inches, shall be beveled with metal, at an angle of not less than 75 degrees with the horizontal, from the mid or top rail to the outside of the car top, such that no person or object can stand, sit, kneel, rest, or be placed in the exposed areas.
  - d. The top of the beveled area and/or car top outside the railing shall be clearly marked. The markings shall consist of alternating 4-inch diagonal red and white stripes.
  - e. The applicant shall provide durable signs with lettering not less than 1/2 inch on a contrasting background on each inset railing. Each sign shall state:

**CAUTION  
STAY INSIDE RAILING  
NO LEANING BEYOND RAILING  
NO STEPPING ON, OR BEYOND, RAILING**

- f. The Group IV requirements for car-top clearances shall be maintained (car-top clearances outside the railing will be measured from the car top and not from the required bevel).
5. The SIL-rated devices and circuits used to inhibit electrical current flow in accordance with ASME A17.1-2004, section 2.26.9.6.1 shall comply with the following:
  - a. The SIL-rated devices and circuits shall consist of a Variodyn SIL-3 rated Regenerative, Variable Voltage Variable Frequency (VVVF) motor drive unit, model VAF013 or

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VAF023, labeled or marked with the SIL rating (not less than SIL 3), the name or mark of the certifying organization, and the SIL certification number (968/FSP 1556.00), and followed by the applicable revision number (as in 968/FSP 1556.00/19).

- b. The devices and circuits shall be certified for compliance with the applicable requirements of ASME A17.1-2013, section 2.26.4.3.2.
- c. The access door or cover of the enclosures containing the SIL-rated components shall be clearly labeled or tagged on their exterior with the statement:

**Assembly contains SIL-rated devices.  
Refer to Maintenance Control Program and  
wiring diagrams prior to performing work.**

- d. Unique maintenance procedures or methods required for the inspection, testing, or replacement of the SIL-rated circuits shall be developed and a copy maintained in the elevator machine/control room/space. The procedures or methods shall include clear color photographs of each SIL-rated component, with notations identifying parts and locations.
- e. Wiring diagrams that include part identification, SIL, and certification information shall be maintained in the elevator machine/control room/space.
- f. A successful test of the SIL-rated devices and circuits shall be conducted initially and not less than annually in accordance with the testing procedure. The test shall demonstrate that SIL-rated devices, safety functions, and related circuits operate as intended.
- g. Any alterations to the SIL-rated devices and circuits shall be made in compliance with the Elevator Safety Orders. If the Elevator Safety Orders do not contain specific provisions for the alteration of SIL-rated devices, the alterations shall be made in conformance with ASME A17.1-2013, section 8.7.1.9.
- h. Any replacement of the SIL-rated devices and circuits shall be made in compliance with the Elevator Safety Orders. If the Elevator Safety Orders do not contain specific provisions for the replacement of SIL-rated devices, the replacement shall be made in conformance with ASME A17.1-2013, section 8.6.3.14.
- i. Any repairs to the SIL-rated devices and circuits shall be made in compliance with the Elevator Safety Orders. If the Elevator Safety Orders do not contain specific provisions for the repair of SIL-rated devices, the repairs shall be made in conformance with ASME A17.1-2013, section 8.6.2.6.

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- j. Any space containing SIL-rated devices and circuits shall be maintained within the temperature and humidity range specified by Schindler Elevator Corporation. The temperature and humidity range shall be posted on each enclosure containing SIL-rated devices and circuits.
  - k. Field changes to the SIL-rated system are not permitted. Any changes to the SIL-rated system's devices and circuitry will require recertification and all necessary updates to the documentation and diagrams required by conditions d. and e. above.
6. The Division shall be notified when the elevator is ready for inspection. The elevator shall be inspected by the Division, and all applicable requirements met, including conditions of this permanent variance, prior to a Permit to Operate the elevator being issued. The elevator shall not be placed in service prior to the Permit to Operate being issued by Division.
7. The Applicant shall notify its employees or their authorized representative(s), or both, of this order in the same way that the Applicant was required to notify them of the docketed application for permanent variance per California Code of Regulations, title 8, sections 411.2 and 411.3.
8. This Decision and Order shall remain in effect unless modified or revoked upon application by the Applicant, affected employee(s), the Division of Occupational Safety and Health, or by the Board on its own motion, in the procedural manner prescribed per title 8, Chapter 3.5, Subchapter 1.

Pursuant to California Code of Regulations, title 8, section 426(b), the above, duly completed Proposed Decision, is hereby submitted to the Occupational Safety and Health Standards Board for consideration of adoption.

DATED: May 26, 2022

  
\_\_\_\_\_  
Autumn Gonzalez, Hearing Officer

*Proposed Variance Decision  
Schindler 3300 with SIL-Rated Drive to De-energize Drive Motor (Group IV)  
Hearing Date: May 25, 2022*

EXHIBIT 1

October 6, 2010

CIRCULAR LETTER E-10-04

TO: Installers, Manufacturers of Conveyances and Related Equipment and Other Interested Parties

SUBJECT: Coated Steel Belt Monitoring

The Elevator Safety Orders require routine inspection of the suspension means of an elevator to assure its safe operation.

The California Labor Code section 7318 allows the Division to promulgate special safety orders in the absence of regulation.

As it is not possible to see the steel cable suspension means of a Coated Steel Belt, a monitoring device which has been accepted by the Division is required on all Coated Steel Belts which will automatically stop the car if the residual strength of any belt drops below 60%. The Device shall prevent the elevator from restarting after a normal stop at a landing.

The monitoring device must be properly installed and functional. A functioning device may be removed only after a determination has been made that the residual strength of each belt exceeds 60%. These findings and the date of removal are to be conspicuously documented in the elevator machine room. The removed device must be replaced or returned to proper service within 30 days.

If upon routine inspection, the monitoring device is found to be in a non-functional state, the date and findings are to be conspicuously documented in the elevator machine room.

If upon inspection by the Division, the monitoring device is found to be non-functional or removed, and the required documentation is not in place, the elevator will be removed from service.

If the device is removed to facilitate belt replacement, it must be properly installed and functional before the elevator is returned to service.

A successful test of the device's functionality shall be conducted once a year.

This circular does not preempt the Division from adopting regulations in the future, which may address the monitoring of Coated Steel Belts or any other suspension means.

This circular does not create an obligation on the part of the Division to permit new conveyances utilizing Coated Steel Belts.

Debra Tudor  
Principal Engineer  
DOSH-Elevator Unit HQS



EXHIBIT 2

**Suspension Means – Replacement Reporting Condition**

Beginning on the date the Board adopts this Proposed Decision and continuing for a period of two years, the Applicant shall report to the Division within 30 days any and all replacement activity performed on the elevator(s) pursuant to the requirements of ASME A17.1-2004, section 8.6.3 involving the suspension means or suspension means fastenings. Further:

1. A separate report for each elevator shall be submitted, in a manner acceptable to the Division, to the following address (or to such other address as the Division might specify in the future): DOSH Elevator Unit, 2 MacArthur Pl., Suite 700, Santa Ana, CA 92707, Attn: Engineering section.
2. Each such report shall contain, but not necessarily be limited to, the following information:
  - a. The State-issued conveyance number, complete address, and OSHSB file number that identifies the permanent variance.
  - b. The business name, complete address, telephone number, and contact person of the elevator responsible party (presumably the Applicant or the subsequent holder of this variance).
  - c. The business name, complete address, telephone number, and Certified Qualified Conveyance Company (CQCC) certification number of the firm performing the replacement work.
  - d. The name (as listed on certification), Certified Competent Conveyance Mechanic (CCCM) certification number, certification expiration date, and signature of each CCCM performing the replacement work.
  - e. The date and time the elevator was removed from normal service for suspension replacement, the date and time the replacement work commenced, the date and time the replacement work was completed, and the date and time the elevator was returned to normal service.
  - f. A detailed description of, and clear color photographs depicting, (1) all the conditions that existed in the suspension components requiring their replacement and (2) any conditions that existed to cause damage or distress to the suspension components being replaced.
  - g. A detailed list of all elevator components adjusted, repaired, or replaced in conjunction with the suspension component replacement.

*Proposed Variance Decision*

*Schindler 3300 with SIL-Rated Drive to De-energize Drive Motor (Group IV)*

*Hearing Date: May 25, 2022*

- h. All information provided on the crosshead data plate per ASME A17.1-2004, section 2.20.2.1, unless that ASME requirement is modified by the conditions of a variance that pertains to the elevator in question, in which case, the information to be reported shall be the information required by the ASME provision as modified by the variance.
  - i. For the suspension means being replaced, all information provided on the data tag required per ASME A17.1-2004, section 2.20.2.2, unless that ASME requirement is modified by the conditions of a variance that pertains to the elevator in question, in which case, the information to be reported shall be the information required by the ASME provision as modified by the variance.
  - j. For the replacement suspension means, all information provided on the data tag required by ASME A17.1-2004, section 2.20.2.2, unless that ASME requirement is modified by the conditions of a variance that pertains to the elevator in question, in which case, the information to be reported shall be the information required by the ASME provision as modified by the variance.
  - k. Any other information requested by the Division regarding the replacement of the suspension means or fastenings.
3. In addition to the submission of the report to the Division, the findings of any testing, failure analysis, or other engineering evaluations performed on any portion of the replaced suspension components, or other elevator components replaced in conjunction therewith, shall be submitted to the Division referencing the information contained in item 2a above.

STATE OF CALIFORNIA  
DEPARTMENT OF INDUSTRIAL RELATIONS  
OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
2520 Venture Oaks Way, Suite 350  
Sacramento, California 95833  
(916) 274-5721

In the Matter of Application for  
Permanent Variance regarding:  
  
Schindler Model 5500 Elevators (Group IV)

OSHSB File No.: See section A.1 table of  
Proposed Decision Dated: May 26, 2022

DECISION

The Occupational Safety and Health Standards Board hereby adopts the attached  
PROPOSED DECISION by Autumn Gonzalez, Hearing Officer.

\_\_\_\_\_  
DAVID THOMAS, Chairman

OCCUPATIONAL SAFETY AND HEALTH  
STANDARDS BOARD

\_\_\_\_\_  
BARBARA BURGEL, Member

Date of Adoption: June 16, 2022

\_\_\_\_\_  
KATHLEEN CRAWFORD, Member

THE FOREGOING VARIANCE DECISION WAS  
ADOPTED ON THE DATE INDICATED ABOVE.  
IF YOU ARE DISSATISFIED WITH THE  
DECISION, A PETITION FOR REHEARING  
MAY BE FILED BY ANY PARTY WITH THE  
STANDARDS BOARD WITHIN TWENTY (20)  
DAYS AFTER SERVICE OF THE DECISION.  
YOUR PETITION FOR REHEARING MUST  
FULLY COMPLY WITH THE REQUIREMENTS  
OF CALIFORNIA CODE OF REGULATIONS,  
TITLE 8, SECTIONS 427, 427.1 AND 427.2.

\_\_\_\_\_  
DAVID HARRISON, Member

\_\_\_\_\_  
NOLA KENNEDY, Member

\_\_\_\_\_  
CHRIS LASZCZ-DAVIS, Member

Note: A copy of this Decision must be  
posted for the Applicant's employees to  
read, and/or a copy thereof must be  
provided to the employees' Authorized  
Representatives.

\_\_\_\_\_  
LAURA STOCK, Member

BEFORE THE  
 OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
 DEPARTMENT OF INDUSTRIAL RELATIONS  
 STATE OF CALIFORNIA

<p>In the Matter of Application for Permanent Variance regarding:</p> <p style="text-align: center;">Schindler Model 5500 Elevators (Group IV)</p>	<p>OSHSB File Nos. See section A.1 Table below</p> <p style="text-align: center;"><u>PROPOSED DECISION</u></p> <p>Hearing Date: May 25, 2022</p>
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Subject Matter:

1. Each below listed applicant (“Applicant”) has applied for permanent variance from certain provisions of the Elevator Safety Orders, found at title 8, of the California Code of Regulations, with respect to a conveyance, or conveyances, in the listed quantity, at the listed location:

Variance No.	Applicant Name	Variance Location Address	No. of Elevators
22-V-093	West Broadway 2019 Investments LLC	1330 N Street Sacramento, CA	2

2. The safety orders at issue are set out in below section C.1.

A. Process and Procedure:

1. This proceeding is conducted in accordance with Labor Code section 143, and California Code of Regulations, title 8, section 401, et. seq.
2. The installation contract for the subject elevators was signed after May 1, 2008. Therefore, the subject elevators fall within the scope of the Elevator Safety Orders (ESO) Group IV section 3141, and as incorporated by reference therein, ASME A17.1-2004.
3. This hearing was held on May 25, 2022, in Sacramento, California, via teleconference, by Occupational Safety and Health Standards Board (“Board”) assigned Hearing Officer, Autumn Gonzalez, both presiding and hearing the matter on its merit, as a basis of proposed decision to be advanced to the Board for its consideration, in accordance with California Code of Regulations, title 8, section 426.
4. At the hearing, Jennifer Linares, with Schindler Elevator Corporation, appeared on behalf of each Applicant; Mark Wickens and David Morris appeared on behalf of the

*Proposed Variance Decision  
Schindler Model 5500 Elevators (Group IV)  
Hearing Date: May 25, 2022*

Division of Occupational Safety and Health (“Division”), and Michael Nelmidia appeared on behalf of Board staff, in a technical advisory role apart from the Board.

5. Oral evidence was received at the hearing, and by stipulation of all parties, documents were admitted into evidence:

<b>Exhibit Number</b>	<b>Description of Exhibit</b>
PD-1	Permanent variance applications per section A.1 table
PD-2	OSHSB Notice of Hearing
PD-3	Board Staff Reviews of Variance Application
PD-4	Division Reviews of Variance Application
PD-5	Review Draft-1 Proposed Decision

Official notice is taken of the Board’s rulemaking records, and variance decisions concerning the safety order requirements from which variance is requested. At close of hearing on May 25, 2022, the record was closed, and the matter taken under submission by the Hearing Officer.

- B. Findings of Fact—Based upon the record of this proceeding, the Board finds the following:

Requested Suspension Means Related Variance:

1. As each pertains to the non-circular elastomeric coated suspension means characteristic of the Schindler Model 5500 elevator, Applicant presently seeks permanent variance from the following title 8, Elevator Safety Order incorporated ASME Safety Code for Elevators and Escalators (ASME Code) A17.1-2004 sections and subsections:

- Section 2.20.1—Wire rope suspension means
- Section 2.20.2.1—Crosshead data plate
- Subsection 2.20.2.2(a)—Wire rope data tag
- Subsection 2.20.2.2(f)—ID of steel wire rope as preformed or nonpreformed
- Section 2.20.3—Wire rope safety factor
- Section 2.20.4—Number and diameter of wire ropes
- Section 2.20.9.3.4—Wire rope end connections
- Section 2.20.9.5.4—Wire rope sockets

Requested Car Top Railing Inset Variance:

2. As it pertains to top of car railing placement requiring space occupied by upper hoistway mounted elevator machinery characteristic of the Schindler Model 5500 elevator, Applicant presently seeks permanent variance from the following title 8, Elevator Safety Order incorporated ASME Code A17.1-2004 section:

*Section 2.14.1.7.1—Top of Car Perimeter Railing Placement*

Requested Seismic Reset Switch Placement Variance:

3. As it pertains to installation of the requisite seismic reset switch within a “machine room” location incompatible with machine-room-less design of the Schindler Model 5500 elevator, Applicant presently seeks permanent variance from the following title 8, Elevator Safety Order incorporated ASME Code subsection:

*Subsection 8.4.10.1.1(a)(2)(b)--Seismic Reset Switch Placement in Machine Room*

Requested Transfer Switch Placement Variance:

4. As it pertains to installation of the requisite transfer switch within a “machine room” location incompatible with machine-room-less design of the Schindler Model 5500 elevator, Applicant presently seeks permanent variance from the following title 8, Elevator Safety Order incorporated ASME Code A17.1-2004 subsection:

*Subsection 2.26.1.4.4(a)--Transfer Switch Placement in Machine Room*

Official Notice and Incorporation by Reference—OSHSB File No. 15-V-349:

5. Per hereby entered stipulation offered at hearing by Applicant, Division, and Board staff, concerning preexisting Board records, including decisions in matters of permanent variance from Elevator Safety Order requirements, the Board takes Official Notice and expressly incorporates herein by reference, OSHSB File No. 15-V-349, Decision and Order adopted November 17, 2016, section D.1—D.75 findings, and therein entered record upon which it was based.

Positions of Division, and Board Staff:

6. Having fully reviewed Applicant’s request for variance from the above identified Elevator Safety Order requirements, it is the concurrent opinion of Division and Board staff, that conditionally limited grant to Applicant of permanent variance as specified

*Proposed Variance Decision  
Schindler Model 5500 Elevators (Group IV)  
Hearing Date: May 25, 2022*

per the below Decision and Order, will provide for elevator safety, and occupational safety and health, equivalent or superior to that of the Elevator Safety Order requirements from which variance is being sought. The present opinion of Division and Board staff, to any extent it may vary from those previously held with respect to the previously heard matter in OSHSB File No. 15-V-349, reflects further scrutiny of the subject matter, consultation between Division, Board staff, Applicant representatives, and refinement of recommended conditions and limitations.

C. Basis of Decision:

The afore stated procedural, statutory, regulatory, and factual matters establish a substantive reasonable basis of conclusion that: (1) Applicant has complied with the statutory and regulatory requirements that must be met before an application for permanent variance may be conditionally granted, and (2) a preponderance of the evidence establishes that Applicant's proposal, subject to all conditions and limitations set forth in the below Decision and Order, will provide equivalent safety and health to that which would prevail upon full compliance with the requirements of California Code of Regulation, title 8, Elevator Safety Orders from which variance is being sought.

D. Decision and Order:

Each above section A.1 table specified Applicant, with respect to the also specified number of conveyance, and variance location, is hereby conditionally GRANTED Permanent Variance as stated below, to the limited extent that each enumerated conveyance at the given location shall be subject to conditionally limited permanent variance from the below specified ASME A17.1-2004, requirements incorporated by reference into California Code of Regulations, title 8, Elevator Safety Orders, section 3141.

Suspension Members: Applicant shall conditionally hold permanent variance from the following title 8, section 3141 incorporated sections and subsections of ASME A17.1-2004, to the limited extent variance is necessary to provide for use of noncircular elastomeric-coated steel suspension members and concomitant components, and configurations— section 2.20.1; section 2.20.2.1; subsection 2.20.2.2(a); subsection 2.20.2.2(f); section 2.20.3; section 2.20.4; section 2.20.9.3.4; and section 2.20.9.5.4.

Inspection Transfer Switch: Applicant shall conditionally hold permanent variance from certain requirements of the following title 8, section 3141 incorporated section of ASME A17.1-2004, to the extent variance is necessary to having the requisite inspection transfer switch located elsewhere than a machine room, within a Security Group I enclosure built into an upper floor landing door jam, or within other readily accessible and

secure space shared with the motion controller outside the hoistway: section 2.26.1.4.4(a).

Seismic Safety Switch Placement: Applicant shall conditionally hold permanent variance from certain requirements of the following title 8, section 3141 incorporated section of ASME A17.1-2004, to the limited extent variance is necessary to having the requisite seismic reset switch located elsewhere than a machine room, within a Security Group I enclosure built into an upper floor landing door jam, or within other readily accessible and secure space shared with the motion controller outside the hoistway: section 8.4.10.1.1(a)(2)(b).

Car Top Railing: Applicant shall conditionally hold permanent variance from certain requirements of the following title 8, section 3141 incorporated section of ASME A17.1-2004, to the limited extent variance is necessary to provide for the below specified inseting of the subject elevator's top of car railing: section 2.14.1.7.1.

Further Conditions and Limitations:

1. The elevator suspension system shall comply with the following:
  - 1.1. The suspension traction media (STM) members and their associated fastenings shall conform to the applicable requirements of ASME A17.1-2013, sections:
    - 2.20.4.3 – Minimum Number of Suspension Members
    - 2.20.3 – Factor of Safety
    - 2.20.9 – Suspension Member Fastening
  - 1.2. Additionally, STMs shall meet or exceed all requirements of ASME 17.6-2010 Standard for Elevator Suspension, Compensation, and Governor Systems, Part 3 Noncircular Elastomeric Coated Steel Suspension Members for Elevators.
  - 1.3. The Applicant shall not utilize the elevator unless the manufacturer has written procedures for the installation, maintenance, inspection and testing of the STM members and fastenings and related monitoring and detection systems and criteria for STM replacement, and the Applicant shall make those procedures and criteria available to the Certified Competent Conveyance Mechanic (CCCM) at the location of the elevator, and to the Division of Occupational Safety and Health (Division) upon request.



*Proposed Variance Decision*

*Schindler Model 5500 Elevators (Group IV)*

*Hearing Date: May 25, 2022*

- 1.4. STM member mandatory replacement criteria shall include:
  - 1.4.1 Any exposed wire, strand or cord;
  - 1.4.2 Any wire, strand or cord breaks through the elastomeric coating;
  - 1.4.3 Any evidence of rouging (steel tension element corrosion) on any part of the elastomeric coated steel suspension member;
  - 1.4.4 Any deformation in the elastomeric suspension member such as, but not limited to, kinks or bends.
- 1.5. Traction drive sheaves must have a minimum diameter of 72 mm. The maximum speed of STM members running on 72 mm, 87 mm and 125 mm drive sheaves shall be no greater than 2.5 m/s, 6.0 m/s and 8.0 m/s respectively.
- 1.6. If any one STM member needs replacement, the complete set of suspension members on the elevator shall be replaced. Exception: If a new suspension member is damaged during installation, and prior to any contemporaneously installed STM having been placed into service, it is permissible to replace the individual damaged suspension member. STM members that have been installed on another installation shall not be re-used.
- 1.7. A traction loss detection means shall be provided that conforms to the requirements of ASME A17.1-2013, section 2.20.8.1. The means shall be tested for correct function annually in accordance with ASME A17.1-2013, section 8.6.4.19.12.
- 1.8. A broken suspension member detection means shall be provided that conforms to the requirements of ASME A17.1-2013, section 2.20.8.2. The means shall be tested for correct function annually in accordance with ASME A17.1-2013, section 8.6.4.19.13(a).
- 1.9. An elevator controller integrated bend cycle monitoring system shall monitor actual STM bend cycles, by means of continuously counting, and storing in nonvolatile memory, the number of trips that the STM makes traveling, and thereby being bent, over the elevator sheaves. The bend cycle limit monitoring means shall automatically stop the car normally at the next available landing before the bend cycle correlated residual strength of any single STM member drops below 80 percent of full rated strength. The monitoring means shall prevent the car from restarting. Notwithstanding any less frequent periodic

*Proposed Variance Decision*

*Schindler Model 5500 Elevators (Group IV)*

*Hearing Date: May 25, 2022*

testing requirement per Addendum 1 (Division Circular Letter), the bend cycle monitoring system shall be tested semi-annually in accordance with the procedures required per above Conditions 1.2, and 1.3.

- 1.10. Each elevator shall be provided with a device that electronically detects a reduction in residual strength of each STM member. The device shall be in compliance with Division Circular Letter E-10-04, a copy of which is attached hereto as Addendum 1, and incorporated herein by reference.
  - 1.11. The elevator crosshead data plate shall comply with the requirements of ASME A17.1-2013, section 2.20.2.1.
  - 1.12. A suspension means data tag shall be provided that complies with the requirements of ASME A17.1-2013, section 2.20.2.2.
  - 1.13. Comprehensive visual inspections of the entire length of each and all installed suspension members, in conformity with above Conditions 1.2 and 1.3 specified criteria, shall be conducted and documented every six months by a CCCM.
  - 1.14. The Applicant shall be subject to the requirements per hereto attached, and inhere incorporated, Addendum 2, "Suspension Means Replacement Reporting Condition."
  - 1.15. Records of all tests and inspections shall be maintenance records subject to ASME A17.1-2004, sections 8.6.1.2 and 8.6.1.4, respectively.
2. Inspection Transfer switch and Seismic Reset switch placement and enclosure shall comply with the following:
- 2.1. If the inspection transfer switch required by ASME A17.1-2004, Rule 2.26.1.4.4 does not reside in a machine room, that switch shall not reside in the elevator hoistway. The switch shall reside in the control/machinery room/space containing the elevator's control equipment in an enclosure secured by a lock openable by a Group 1 security key. The enclosure is to remain locked at all times when not in use.
  - 2.2. If the seismic reset switch does not reside in the machine room, that switch shall not reside in the elevator hoistway. The switch shall reside in the control/machinery room/space containing the elevator's control equipment in an enclosure secured by a lock openable by a Group 1 security key. The enclosure is to remain locked at all times when not in use.

*Proposed Variance Decision*

*Schindler Model 5500 Elevators (Group IV)*

*Hearing Date: May 25, 2022*

3. Any and all inset car top railing shall comply with the following:
  - 3.1. Serviceable equipment shall be positioned so that mechanics and inspectors do not have to stand on or climb over the railings to perform adjustments, maintenance, repairs or inspections. The Applicant shall not permit anyone to stand or climb over the car top railing.
  - 3.2. The distance that the railing can be inset shall be limited to not more than 12 inches.
  - 3.3. All exposed areas of the car top outside the car top railing where the distance from the railing to the edge of the car top exceeds 2 inches, shall be beveled with metal, at an angle of not less than 75 degrees with the horizontal, from the mid or top rail to the outside of the car top, such that no person or object can stand, sit, kneel, rest, or be placed in the exposed areas.
  - 3.4. The top surface of the beveled area and/or car top outside the railing, shall be clearly marked. The markings shall consist of alternating 4 inch diagonal red and white stripes.
  - 3.5. The applicant shall provide durable signs with lettering not less than 1/2 inch on a contrasting background on each inset railing; each sign shall state:

**CAUTION  
STAY INSIDE RAILING  
NO LEANING BEYOND RAILING  
NO STEPPING ON, OR BEYOND, RAILING**

- 3.6. The Group IV requirements for car top clearances shall be maintained (car top clearances outside the railing will be measured from the car top and not from the required bevel).
4. The elevator shall be serviced, maintained, adjusted, tested, and inspected only by CCCM having been trained, and competent, to perform those tasks on the Schindler Model 5500 elevator system in accordance with written procedures and criteria, including as required per above Conditions 1.2, and 1.3.
5. The Division shall be notified when the elevator is ready for inspection. The elevator shall be inspected by the Division, and all applicable requirements met, including conditions of this permanent variance, prior to a Permit to Operate the elevator being

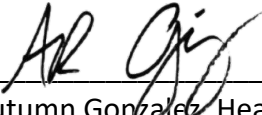
*Proposed Variance Decision  
Schindler Model 5500 Elevators (Group IV)  
Hearing Date: May 25, 2022*

issued. The elevator shall not be placed in service prior to the Permit to Operate being issued by Division.

6. The Applicant shall notify its employees or their authorized representative(s), or both, of this order in the same way and to the same extent that employees and authorized representatives are to be notified of docketed permanent variance applications pursuant to California Code of Regulations, title 8, sections 411.2 and 411.3.
7. This Decision and Order shall remain in effect unless modified or revoked upon application by Applicant, affected employee(s), the Division, or by the Board on its own motion, in accordance with title 8, Division 1, Chapter 3.5, procedural rules.

Pursuant to California Code of Regulations, title 8, section 426(b), the above, duly completed Proposed Decision, is hereby submitted to the Occupational Safety and Health Standards Board for consideration of adoption.

Dated: May 26, 2022

  
\_\_\_\_\_  
Autumn Gonzalez, Hearing Officer

**ADDENDUM 1**

October 6, 2010

**CIRCULAR LETTER E-10-04**

TO: Installers, Manufacturers of Conveyances and Related Equipment and, Other Interested Parties

SUBJECT: Coated Steel Belt Monitoring

The Elevator Safety Orders require routine inspection of the suspension means of an elevator to assure its safe operation.

The California Labor Code section 7318 allows the Division to promulgate special safety orders in the absence of regulation.

As it is not possible to see the steel cable suspension means of a Coated Steel Belt, a monitoring device which has been accepted by the Division is required on all Coated Steel Belts which will automatically stop the car if the residual strength of any belt drops below 60%. The Device shall prevent the elevator from restarting after a normal stop at a landing.

The monitoring device must be properly installed and functional. A functioning device may be removed only after a determination has been made that the residual strength of each belt exceeds 60%. These findings and the date of removal are to be conspicuously documented in the elevator machine room. The removed device must be replaced or returned to proper service within 30 days.

If upon routine inspection, the monitoring device is found to be in a non-functional state, the date and findings are to be conspicuously documented in the elevator machine room.

If upon inspection by the Division, the monitoring device is found to be non-functional or removed, and the required documentation is not in place, the elevator will be removed from service.

If the device is removed to facilitate belt replacement, it must be properly installed and functional before the elevator is returned to service.

A successful test of the device's functionality shall be conducted once a year.

This circular does not preempt the Division from adopting regulations in the future, which may address the monitoring of Coated Steel Belts or any other suspension means.

This circular does not create an obligation on the part of the Division to permit new conveyances utilizing Coated Steel Belts.

Debra Tudor  
Principal Engineer  
DOSH-Elevator Unit HQS

**ADDENDUM 2**

**Suspension Means – Replacement Reporting Condition**

Beginning on the date the Board adopts this Proposed Decision and continuing for a period of two years, the Applicant shall report to the Division within 30 days any and all replacement activity performed on the elevator(s) pursuant to the requirements of ASME A17.1-2004, section 8.6.3 involving the suspension means or suspension means fastenings.

Further:

1. A separate report for each elevator shall be submitted, in a manner acceptable to the Division, to the following address (or to such other address as the Division might specify in the future): DOSH Elevator Unit, 2 MacArthur Place, Suite 700, Santa Ana, CA 92707, Attn: Engineering section.
2. Each such report shall contain, but not necessarily be limited to, the following information:
  - a. The State-issued conveyance number, complete address, and OSHSB file number that identifies the permanent variance.
  - b. The business name, complete address, telephone number, and contact person of the elevator responsible party (presumably the Applicant or the subsequent holder of this variance).
  - c. The business name, complete address, telephone number, and Certified Qualified Conveyance Company (CQCC) certification number of the firm performing the replacement work.
  - d. The name (as listed on certification), Certified Competent Conveyance Mechanic (CCCM) certification number, certification expiration date, and signature of each CCCM performing the replacement work.
  - e. The date and time the elevator was removed from normal service for suspension replacement, the date and time the replacement work commenced, the date and time the replacement work was completed, and the date and time the elevator was returned to normal service.

*Proposed Variance Decision*

*Schindler Model 5500 Elevators (Group IV)*

*Hearing Date: May 25, 2022*

- f. A detailed description of, and clear color photographs depicting, (1) all the conditions that existed in the suspension components requiring their replacement and (2) any conditions that existed to cause damage or distress to the suspension components being replaced.
  - g. A detailed list of all elevator components adjusted, repaired, or replaced in conjunction with the suspension component replacement.
  - h. All information provided on the crosshead data plate per ASME A17.1-2004, section 2.20.2.1, unless that ASME requirement is modified by the conditions of a variance that pertains to the elevator in question, in which case, the information to be reported shall be the information required by the ASME provision as modified by the variance.
  - i. For the suspension means being replaced, all information provided on the data tag required per ASME A17.1-2004, section 2.20.2.2, unless that ASME requirement is modified by the conditions of a variance that pertains to the elevator in question, in which case, the information to be reported shall be the information required by the ASME provision as modified by the variance.
  - j. For the replacement suspension means, all information provided on the data tag required by ASME A17.1-2004, section 2.20.2.2, unless that ASME requirement is modified by the conditions of a variance that pertains to the elevator in question, in which case, the information to be reported shall be the information required by the ASME provision as modified by the variance.
  - k. Any other information requested by the Division regarding the replacement of the suspension means or fastenings.
3. In addition to the submission of the report to the Division, the findings of any testing, failure analysis, or other engineering evaluations performed on any portion of the replaced suspension components, or other elevator components replaced in conjunction therewith, shall be submitted to the Division referencing the information contained in item 2a above.

STATE OF CALIFORNIA  
DEPARTMENT OF INDUSTRIAL RELATIONS  
OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
2520 Venture Oaks Way, Suite 350  
Sacramento, California 95833  
(916) 274-5721

In the Matter of Application for  
Permanent Variance regarding:

Schindler Model 3300 Elevators with  
Variant Gov. Ropes & Sheaves (Group IV)

OSHSB File No.: See Section A.1 table of  
Proposed Decision Dated: May 26, 2022

DECISION

The Occupational Safety and Health Standards Board hereby adopts the attached  
PROPOSED DECISION by Autumn Gonzalez, Hearing Officer.

\_\_\_\_\_  
DAVID THOMAS, Chairman

\_\_\_\_\_  
BARBARA BURGEL, Member

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KATHLEEN CRAWFORD, Member

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DAVID HARRISON, Member

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NOLA KENNEDY, Member

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CHRIS LASZCZ-DAVIS, Member

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LAURA STOCK, Member

OCCUPATIONAL SAFETY AND HEALTH  
STANDARDS BOARD

Date of Adoption: June 16, 2022

THE FOREGOING VARIANCE DECISION WAS  
ADOPTED ON THE DATE INDICATED ABOVE.  
IF YOU ARE DISSATISFIED WITH THE  
DECISION, A PETITION FOR REHEARING  
MAY BE FILED BY ANY PARTY WITH THE  
STANDARDS BOARD WITHIN TWENTY (20)  
DAYS AFTER SERVICE OF THE DECISION.  
YOUR PETITION FOR REHEARING MUST  
FULLY COMPLY WITH THE REQUIREMENTS  
OF CALIFORNIA CODE OF REGULATIONS,  
TITLE 8, SECTIONS 427, 427.1 AND 427.2.

Note: A copy of this Decision must be  
posted for the Applicant's employees to  
read, and/or a copy thereof must be  
provided to the employees' Authorized  
Representatives.



BEFORE THE  
 OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
 DEPARTMENT OF INDUSTRIAL RELATIONS  
 STATE OF CALIFORNIA

<p>In the Matter of Application for Permanent Variance Regarding:</p> <p style="text-align: center;">Schindler Model 3300 Elevators with variant Gov. Ropes &amp; Sheaves (Group IV)</p>	<p>OSHSB File Nos.: See section A.1 table below</p> <p style="text-align: center;"><u>PROPOSED DECISION</u></p> <p>Hearing Date: May 25, 2022</p>
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Subject Matter and Jurisdiction:

- Each below listed applicant (“Applicant”) has applied for permanent variance from certain provisions of the Elevator Safety Orders, found at title 8, of the California Code of Regulations, with respect to a conveyance, or conveyances, in the listed quantity, at the listed location:

Variance No.	Applicant Name	Variance Location Address	No. of Elevators
22-V-095	PHOTA Sacramento LLC	AC Hotel 905 7th St. Sacramento, CA	2
22-V-125	110 South Boyle L.P.	110 S. Boyle Ave. Los Angeles, CA	1

- This proceeding is conducted in accordance with Labor Code section 143, and California Code of Regulations, title 8, section 401, et. seq.
- The safety orders at issue are set out in below section C.1—C.4.

A. Process and Procedure:

- This hearing was held on May 25, 2022, in Sacramento, California, via teleconference, by Occupational Safety and Health Standards Board (“Board”), with Hearing Officer Autumn Gonzalez, both presiding and hearing the matter on its merit, as a basis of proposed decision to be advanced to the Board for its consideration, in accordance with California Code of Regulations, title 8, section 426.
- At the hearing, Jennifer Linares, with the Schindler Elevator Corporation, appeared on behalf of each Applicant; Mark Wickens and David Morris appeared on behalf of the

*Proposed Variance Decision*

*Schindler Model 3300 Elevators w/variant Gov. Rope & Sheaves*

*Hearing Date: May 25, 2022*

Division of Occupational Safety and Health (“Division”); and Michael Nelmidia appeared on behalf of Board staff, in a technical advisory role apart from the Board.

3. Oral evidence was received at the hearing, and by stipulation of all parties, documents were admitted into evidence:

<b>Exhibit Number</b>	<b>Description of Exhibit</b>
PD-1	Permanent variance applications per section A.1 table
PD-2	OSHSB Notice of Hearing
PD-3	Board Staff Reviews of Variance Application
PD-4	Division Reviews of Variance Application
PD-5	Review Draft-1 Proposed Decision

Official notice is taken of the Board’s rulemaking records, and variance decisions concerning the safety order requirements from which variance is requested. At close of hearing on May 25, 2022, the record was closed, and the matter taken under submission by the Hearing Officer.

- B. Findings of Fact—Based upon the record of this proceeding, the Board finds the following:

Requested Suspension Means Related Variance:

1. As each pertains to the non-circular elastomeric coated suspension means characteristic of the Schindler Model 3300 elevator, each Applicant presently seeks permanent variance from the following title 8, Elevator Safety Order incorporated ASME Safety Code for Elevators and Escalators (ASME Code) A17.1-2004, sections and subsections:

- section 2.20.1—Wire rope suspension means
- section 2.20.2.1—Crosshead data plate
- Subsection 2.20.2.2(a)—Wire rope data tag
- Subsection 2.20.2.2(f)—ID of steel wire rope as preformed or nonpreformed
- section 2.20.3—Wire rope safety factor
- section 2.20.4—Number and diameter of wire ropes
- section 2.20.9.3.4—Wire rope end connections
- section 2.20.9.5.4—Wire rope sockets

Requested Car Top Railing Inset Variance:

2. As it pertains to top of car railing placement requiring space occupied by upper hoistway mounted elevator machinery characteristic of the Schindler Model 3300

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*Schindler Model 3300 Elevators w/variant Gov. Rope & Sheaves*

*Hearing Date: May 25, 2022*

elevator, each Applicant presently seeks permanent variance from the following title 8, Elevator Safety Order incorporated ASME Code A17.1-2004, section:

*section 2.14.1.7.1—Top of Car Perimeter Railing Placement*

Requested Seismic Reset Switch Placement Variance:

3. As it pertains to installation of the requisite seismic reset switch within a “machine room” location incompatible with machine-room-less design of the Schindler Model 3300 elevator, each Applicant presently seeks permanent variance from the following title 8, Elevator Safety Order incorporated ASME Code subsection:

*Subsection 8.4.10.1.1(a)(2)(b)--Seismic Reset Switch Placement in Machine Room*

Requested Transfer Switch Placement Variance:

4. As it pertains to installation of the requisite transfer switch within a “machine room” location incompatible with machine-room-less design of the Schindler Model 3300 elevator, each Applicant presently seeks permanent variance from the following title 8, Elevator Safety Order incorporated ASME Code A17.1-2004, subsection:

*Subsection 2.26.1.4.4(a)--Transfer Switch Placement in Machine Room*

Requested Governor Sheave to Rope Diameter Ratio Variance:

5. As it pertains to installation of requisite pitch diameter of the governor sheaves and governor tension sheaves, each Applicant presently seeks permanent variance from the following title 8, Elevator Safety Order incorporated ASME Code A17.1-2004, subsection:

*section 3141 [ASME A17.1-2004, section 2.18.7.4] states:*

*“The pitch diameter of governor sheaves and governor tension sheaves shall be not less than the product of the diameter of the rope and the applicable multiplier listed in Table 2.18.7.4, based on the rated speed and the number of strands in the rope.”*

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**Table 2.18.7.4 Multiplier for Determining Governor Sheave Pitch Diameter**

Rated Speed, m/s (ft/min)	Number of Strands	Multiplier
1.00 or less (200 or less)	6	42
1.00 or less (200 or less)	8	30
Over 1.00 (over 200)	6	46
Over 1.00 (over 200)	8	32

50 mm (2 in.) when tested in accordance with ASTM E 8. Forged, cast, or welded parts shall be stress relieved. Cast iron shall have a factor of safety of not less than 10.

6. Per the Application, the proposal is stated as follows: “The approved speed governor provided for this elevator has a sheave diameter-to-governor rope diameter ratio [D/d] of 33. This is not compliant with the current Group IV Elevator Safety Orders which require a [D/d] of 42-46. Equivalent safety will be attained by providing a governor rope with a breaking strength that provides a factor of safety greater than that required by the Elevator Safety Orders, and a governor sheave diameter which complies with the requirements of ASME A17.1-2010, section 2.18.5.1, and section 2.18.7.4, which, under certain conditions, permits the use of a governor rope and governor sheave ratio [D/d] of not less than 30.”
7. Having analyzed the request, as reflected in its Review of Application (Exhibit PD-4) Division is of the well informed professional opinion that the proposal, in as much as it is to use a governor with sheave pitch diameter of not less than the product of the governor rope diameter and a multiplier of 30, in conjunction with a steel governor rope with a diameter of 6 mm (0.25 in.), 6-strand construction, and a factor of safety of 8 or greater, will provide safety, and workplace safety and health equivalent or superior to that of the ASME A17.1-2004, section 2.18.7.4. Division also correctly notes Applicant’s proposed governor sheave pitch diameter, and reduced diameter governor rope installation is similar to installations for which a permanent variance has been previously conditionally granted. (e.g. OSHSB File No. 19-V-076)

Official Notice and Incorporation by Reference—OSHSB File No. 15-V-349:

8. Per hereby entered stipulation offered at hearing by Applicant, Division, and Board staff, concerning preexisting Board records, including decisions in matters of permanent variance from Elevator Safety Order requirements, the Board takes Official Notice and expressly incorporates herein by reference, OSHSB File No. 15-V-349, Decision and Order adopted November 17, 2016, section D.1—D.75 findings, and therein entered record upon which it was based.

Positions of Division, and Board Staff:

9. Having fully reviewed each Applicant's request for variance from the above identified Elevator Safety Order requirements, it is the concurrent opinion of Division and Board staff, that conditionally limited grant to each Applicant of permanent variance as specified per the below Decision and Order, will provide for elevator safety, and occupational safety and health, equivalent or superior to that of the Elevator Safety Order requirements from which variance is being sought. The present opinion of Division and Board staff, to any extent it may vary from those previously held with respect to the previously heard matter in OSHSB File No. 15-V-349, reflects further scrutiny of the subject matter, consultation between Division, Board staff, Applicant representatives, and refinement of recommended conditions and limitations.

C. Conclusive Findings:

The above stated procedural prerequisites, legal authority, and factual findings, as further supported by the documentary record and hearing testimony in this matter, provide a substantive and reasonable basis of conclusion that: (1) Each Applicant has complied with the statutory and regulatory requirements that must be met before an application for permanent variance may be conditionally granted, and (2) a preponderance of the evidence establishes that each Applicant's proposal, subject to all conditions and limitations set forth in the below Decision and Order, will provide equivalent safety and health to that which would prevail upon full compliance with the requirements of California Code of Regulation, title 8, Elevator Safety Orders from which variance is being sought.

D. Decision and Order:

Each section A table identified Applicant is hereby conditionally GRANTED Permanent Variance as specified below, and to the limited extent, as of the date the Board adopts this Proposed Decision, with respect to the section A specified number of Schindler Model 3300 elevator(s), at the specified location, each shall conditionally hold permanent variance from the following subparts of ASME A17.1-2004, currently incorporated by reference into California Code of Regulations, title 8, section 3141.

Suspension Members: Each Applicant shall conditionally hold permanent variance from the following title 8, section 3141, incorporated sections and subsections of ASME A17.12004, to the limited extent variance is necessary to provide for use of noncircular elastomeric-coated steel suspension members and concomitant components, and configurations— section 2.20.1; section 2.20.2.1; Subsection 2.20.2.2(a); Subsection 2.20.2.2(f); section 2.20.3; section 2.20.4: section 2.20.9.3.4; and section 2.20.9.5.4.

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Inspection Transfer Switch: Each Applicant shall conditionally hold permanent variance from certain requirements of the following title 8, section 3141 incorporated section of ASME A17.1-2004, to the extent variance is necessary to having the requisite inspection transfer switch located elsewhere than a machine room, within a Security Group I enclosure built into an upper floor landing door jam, or within other readily accessible and secure space shared with the motion controller outside the hoistway: section 2.26.1.4.4.

Seismic Safety Switch Placement: Each Applicant shall conditionally hold permanent variance from certain requirements of the following title 8, section 3141, incorporated section of ASME A17.1-2004, to the limited extent variance is necessary to having the requisite seismic reset switch located elsewhere than a machine room, within a Security Group I enclosure built into an upper floor landing door jam, or within other readily accessible and secure space shared with the motion controller outside the hoistway: section 8.4.10.1.1.

Car Top Railing: Each Applicant shall conditionally hold permanent variance from certain requirements of the following title 8, section 3141, incorporated section of ASME A17.1-2004, to the limited extent variance is necessary to provide for the below specified inseting of the subject elevator's top of car railing: section 2.14.1.7.1.

Governor Rope and Sheave: Each Applicant shall conditionally hold permanent variance from certain requirements of the following title 8, section 3141, incorporated section of ASME A17.1-2004, to the limited extent variance is necessary to allow for the below specified governor rope and governor sheave parameters: section 2.18.7.4.

Further Conditions and Limitations:

1. The elevator suspension system shall comply to the following:
  - 1.1. The suspension traction media (STM) members and their associated fastenings shall conform to the applicable requirements of ASME A17.1-2013, sections:
    - 2.20.4.3 – Minimum Number of Suspension Members
    - 2.20.3 – Factor of Safety
    - 2.20.9 – Suspension Member Fastening
  - 1.1.1 Additionally, STMs shall meet or exceed all requirements of ASME 17.6-2010, Standard for Elevator Suspension, Compensation, and Governor Systems, Part 3 Noncircular Elastomeric Coated Steel Suspension Members for Elevators.

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- 1.2. The Applicant shall not utilize the elevator unless the manufacturer has written procedures for the installation, maintenance, inspection and testing of the STM members and fastenings and related monitoring and detection systems and criteria for STM replacement, and the Applicant shall make those procedures and criteria available to the Certified Competent Conveyance Mechanic (CCCM) at the location of the elevator, and to the Division of Occupational Safety and Health (Division) upon request.
- 1.3. STM member mandatory replacement criteria shall include:
  - 1.3.1 Any exposed wire, strand or cord;
  - 1.3.2 Any wire, strand or cord breaks through the elastomeric coating;
  - 1.3.3 Any evidence of rouging (steel tension element corrosion) on any part of the elastomeric coated steel suspension member;
  - 1.3.4 Any deformation in the elastomeric suspension member such as, but not limited to, kinks or bends.
- 1.4. Traction drive sheaves must have a minimum diameter of 72 mm. The maximum speed of STM members running on 72 mm, 87 mm and 125 mm drive sheaves shall be no greater than 2.5 m/s, 6.0 m/s and 8.0 m/s respectively.
- 1.5. If any one STM member needs replacement, the complete set of suspension members on the elevator shall be replaced. Exception: If a new suspension member is damaged during installation, and prior to any contemporaneously installed STM having been placed into service, it is permissible to replace the individual damaged suspension member. STM members that have been installed on another installation shall not be re-used.
- 1.6. A traction loss detection means shall be provided that conforms to the requirements of ASME A17.1-2013, section 2.20.8.1. The means shall be tested for correct function annually in accordance with ASME A17.1-2013, section 8.6.4.19.12.
- 1.7. A broken suspension member detection means shall be provided that conforms to the requirements of ASME A17.1-2013, section 2.20.8.2. The means shall be tested for correct function annually in accordance with ASME A17.1-2013, section 8.6.4.19.13(a).
- 1.8. An elevator controller integrated bend cycle monitoring system shall monitor actual STM bend cycles, by means of continuously counting, and storing in

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*Schindler Model 3300 Elevators w/variant Gov. Rope & Sheaves*

*Hearing Date: May 25, 2022*

nonvolatile memory, the number of trips that the STM makes traveling, and thereby being bent, over the elevator sheaves. The bend cycle limit monitoring means shall automatically stop the car normally at the next available landing before the bend cycle correlated residual strength of any single STM member drops below 80 percent of full rated strength. The monitoring means shall prevent the car from restarting. Notwithstanding any less frequent periodic testing requirement per Addendum 1 (Division Circular Letter), the bend cycle monitoring system shall be tested semi-annually in accordance with the procedures required per above Conditions 1.2, and 1.3.

- 1.9. Each elevator shall be provided with a device that electronically detects a reduction in residual strength of each STM member. The device shall be in compliance with Division Circular Letter E-10-04, a copy of which is attached hereto as Addendum 1, and incorporated herein by reference.
  - 1.10. The elevator crosshead data plate shall comply with the requirements of ASME A17.1-2013, section 2.20.2.1.
  - 1.11. A suspension means data tag shall be provided that complies with the requirements of ASME A17.1-2013, section 2.20.2.2.
  - 1.12. Comprehensive visual inspections of the entire length of each and all installed suspension members, in conformity with above Conditions 1.2 and 1.3 specified criteria, shall be conducted and documented every six months by a CCCM.
  - 1.13. The Applicant shall be subject to the requirements per hereto attached, and inhere incorporated, Addendum 2, "Suspension Means Replacement Reporting Condition."
  - 1.14. Records of all tests and inspections shall be maintenance records subject to ASME A17.1-2004, sections 8.6.1.2, and 8.6.1.4, respectively.
2. Inspection Transfer switch and Seismic Reset switch placement and enclosure shall comply with the following:
    - 2.1. If the inspection transfer switch required by ASME A17.1-2004, Rule 2.26.1.4.4, does not reside in a machine room, that switch shall not reside in the elevator hoistway. The switch shall reside in the control/machinery room/space containing the elevator's control equipment in an enclosure secured by a lock openable by a Group 1 security key. The enclosure is to remain locked at all times when not in use.



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- 2.2. If the seismic reset switch does not reside in the machine room, that switch shall not reside in the elevator hoistway. The switch shall reside in the control/machinery room/space containing the elevator's control equipment in an enclosure secured by a lock openable by a Group 1 security key. The enclosure is to remain locked at all times when not in use.
3. Any and all inset car top railing shall comply with the following:
  - 3.1. Serviceable equipment shall be positioned so that mechanics and inspectors do not have to stand on or climb over the railings to perform adjustments, maintenance, repairs or inspections. The Applicant shall not permit anyone to stand or climb over the car top railing.
  - 3.2. The distance that the railing can be inset shall be limited to not more than 6 inches.
  - 3.3. All exposed areas of the car top outside the car top railing where the distance from the railing to the edge of the car top exceeds 2 inches, shall be beveled with metal, at an angle of not less than 75 degrees with the horizontal, from the mid or top rail to the outside of the car top, such that no person or object can stand, sit, kneel, rest, or be placed in the exposed areas.
  - 3.4. The top surface of the beveled area and/or car top outside the railing, shall be clearly marked. The markings shall consist of alternating 4 inch diagonal red and white stripes.
  - 3.5. The applicant shall provide durable signs with lettering not less than 1/2 inch on a contrasting background on each inset railing; each sign shall state:

**CAUTION**  
**STAY INSIDE RAILING**  
**NO LEANING BEYOND RAILING**  
**NO STEPPING ON, OR BEYOND, RAILING**
  - 3.6. The Group IV requirements for car top clearances shall be maintained (car top clearances outside the railing will be measured from the car top and not from the required bevel).
4. The elevator shall be serviced, maintained, adjusted, tested, and inspected only by CCCM having been trained, and competent, to perform those tasks on the Schindler Model 3300 elevator system in accordance with written procedures and criteria, including as required per above Conditions 1.2, and 1.3.

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*Hearing Date: May 25, 2022*

5. The speed governor rope and sheaves shall comply with the following:
  - 5.1. The governor shall be used in conjunction with a steel 6 mm (0.25 in.) diameter governor rope with 6-strand, regular lay construction.
  - 5.2. The governor rope shall have a factor of safety of 8 or greater as related to the strength necessary to activate the safety.
  - 5.3. The governor sheaves shall have a pitch diameter of not less than 200 mm (7.87 in.).
6. The Division shall be notified when the elevator is ready for inspection. The elevator shall be inspected by the Division, and all applicable requirements met, including conditions of this permanent variance, prior to a Permit to Operate the elevator being issued. The elevator shall not be placed in service prior to the Permit to Operate being issued by Division.
7. The Applicant shall notify its employees or their authorized representative(s), or both, of this order in the same way and to the same extent that employees and authorized representatives are to be notified of docketed permanent variance applications pursuant to California Code of Regulations, title 8, sections 411.2, and 411.3.
8. This Decision and Order shall remain in effect unless modified or revoked upon application by the Applicant, affected employee(s), the Division, or by the Board on its own motion, in procedural accordance with title 8, sections 411, et. seq.

Pursuant to California Code of Regulations, title 8, section 426(b), the above, duly completed Proposed Decision, is hereby submitted to the Occupational Safety and Health Standards Board for consideration of adoption.

Dated: May 26, 2022

  
\_\_\_\_\_  
Autumn Gonzalez, Hearing Officer

**ADDENDUM 1**

October 6, 2010

**CIRCULAR LETTER E-10-04**

TO: Installers, Manufacturers of Conveyances and Related Equipment and, Other Interested Parties

SUBJECT: Coated Steel Belt Monitoring

The Elevator Safety Orders require routine inspection of the suspension means of an elevator to assure its safe operation.

The California Labor Code section 7318 allows the Division to promulgate special safety orders in the absence of regulation.

As it is not possible to see the steel cable suspension means of a Coated Steel Belt, a monitoring device which has been accepted by the Division is required on all Coated Steel Belts which will automatically stop the car if the residual strength of any belt drops below 60%. The Device shall prevent the elevator from restarting after a normal stop at a landing.

The monitoring device must be properly installed and functional. A functioning device may be removed only after a determination has been made that the residual strength of each belt exceeds 60%. These findings and the date of removal are to be conspicuously documented in the elevator machine room. The removed device must be replaced or returned to proper service within 30 days.

If upon routine inspection, the monitoring device is found to be in a non-functional state, the date and findings are to be conspicuously documented in the elevator machine room.

If upon inspection by the Division, the monitoring device is found to be non-functional or removed, and the required documentation is not in place, the elevator will be removed from service.

If the device is removed to facilitate belt replacement, it must be properly installed and functional before the elevator is returned to service.

A successful test of the device's functionality shall be conducted once a year.

This circular does not preempt the Division from adopting regulations in the future, which may address the monitoring of Coated Steel Belts or any other suspension means.

This circular does not create an obligation on the part of the Division to permit new conveyances utilizing Coated Steel Belts.

Debra Tudor  
Principal Engineer  
DOSH-Elevator Unit HQS

**ADDENDUM 2**

**Suspension Means – Replacement Reporting Condition**

Beginning on the date the Board adopts this Proposed Decision and continuing for a period of two years, the Applicant shall report to the Division within 30 days any and all replacement activity performed on the elevator(s) pursuant to the requirements of ASME A17.1-2004, section 8.6.3 involving the suspension means or suspension means fastenings.

Further:

1. A separate report for each elevator shall be submitted, in a manner acceptable to the Division, to the following address (or to such other address as the Division might specify in the future): DOSH Elevator Unit, 2 MacArthur Place, Suite 700, Santa Ana, CA 92707, Attn: Engineering section.
2. Each such report shall contain, but not necessarily be limited to, the following information:
  - a. The State-issued conveyance number, complete address, and OSHSB file number that identifies the permanent variance.
  - b. The business name, complete address, telephone number, and contact person of the elevator responsible party (presumably the Applicant or the subsequent holder of this variance).
  - c. The business name, complete address, telephone number, and Certified Qualified Conveyance Company (CQCC) certification number of the firm performing the replacement work.
  - d. The name (as listed on certification), Certified Competent Conveyance Mechanic (CCCM) certification number, certification expiration date, and signature of each CCCM performing the replacement work.
  - e. The date and time the elevator was removed from normal service for suspension replacement, the date and time the replacement work commenced, the date and time the replacement work was completed, and the date and time the elevator was returned to normal service.
  - f. A detailed description of, and clear color photographs depicting, (1) all the conditions that existed in the suspension components requiring their replacement

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*Schindler Model 3300 Elevators w/variant Gov. Rope & Sheaves*

*Hearing Date: May 25, 2022*

- and (2) any conditions that existed to cause damage or distress to the suspension components being replaced.
- g. A detailed list of all elevator components adjusted, repaired, or replaced in conjunction with the suspension component replacement.
  - h. All information provided on the crosshead data plate per ASME A17.1-2004, section 2.20.2.1, unless that ASME requirement is modified by the conditions of a variance that pertains to the elevator in question, in which case, the information to be reported shall be the information required by the ASME provision as modified by the variance.
  - i. For the suspension means being replaced, all information provided on the data tag required per ASME A17.1-2004, section 2.20.2.2, unless that ASME requirement is modified by the conditions of a variance that pertains to the elevator in question, in which case, the information to be reported shall be the information required by the ASME provision as modified by the variance.
  - j. For the replacement suspension means, all information provided on the data tag required by ASME A17.1-2004, section 2.20.2.2, unless that ASME requirement is modified by the conditions of a variance that pertains to the elevator in question, in which case, the information to be reported shall be the information required by the ASME provision as modified by the variance.
  - k. Any other information requested by the Division regarding the replacement of the suspension means or fastenings.
3. In addition to the submission of the report to the Division, the findings of any testing, failure analysis, or other engineering evaluations performed on any portion of the replaced suspension components, or other elevator components replaced in conjunction therewith, shall be submitted to the Division referencing the information contained in item 2a above.

STATE OF CALIFORNIA  
DEPARTMENT OF INDUSTRIAL RELATIONS  
OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
2520 Venture Oaks Way, Suite 350  
Sacramento, California 95833  
(916) 274-5721

In the Matter of Application for  
Permanent Variance regarding:

Mitsubishi Elevators (Group IV)

OSHSB File No.: See Section A.1 table of  
Proposed Decision Dated: May 26, 2022

DECISION

The Occupational Safety and Health Standards Board hereby adopts the attached  
PROPOSED DECISION by Autumn Gonzalez, Hearing Officer.

\_\_\_\_\_  
DAVID THOMAS, Chairman

\_\_\_\_\_  
BARBARA BURGEL, Member

\_\_\_\_\_  
KATHLEEN CRAWFORD, Member

\_\_\_\_\_  
DAVID HARRISON, Member

\_\_\_\_\_  
NOLA KENNEDY, Member

\_\_\_\_\_  
CHRIS LASZCZ-DAVIS, Member

\_\_\_\_\_  
LAURA STOCK, Member

OCCUPATIONAL SAFETY AND HEALTH  
STANDARDS BOARD

Date of Adoption: June 16, 2022

THE FOREGOING VARIANCE DECISION WAS  
ADOPTED ON THE DATE INDICATED ABOVE.  
IF YOU ARE DISSATISFIED WITH THE  
DECISION, A PETITION FOR REHEARING  
MAY BE FILED BY ANY PARTY WITH THE  
STANDARDS BOARD WITHIN TWENTY (20)  
DAYS AFTER SERVICE OF THE DECISION.  
YOUR PETITION FOR REHEARING MUST  
FULLY COMPLY WITH THE REQUIREMENTS  
OF CALIFORNIA CODE OF REGULATIONS,  
TITLE 8, SECTIONS 427, 427.1 AND 427.2.

Note: A copy of this Decision must be  
posted for the Applicant's employees to  
read, and/or a copy thereof must be  
provided to the employees' Authorized  
Representatives.

BEFORE THE  
 OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
 DEPARTMENT OF INDUSTRIAL RELATIONS  
 STATE OF CALIFORNIA

<p>In the Matter of Application for          Permanent Variance Regarding:</p> <p style="text-align: center;">Mitsubishi Elevators (Group IV)</p>	<p>OSHSB File Nos.: See section A.1 Table</p> <p style="text-align: center;"><u>PROPOSED DECISION</u></p> <p>Hearing Date: May 25, 2022</p>
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A. Procedural Matters:

- Each below listed applicant (“Applicant”) has applied for permanent variance from provisions of the Elevator Safety Orders, found at title 8 of the California Code of Regulations, with respect to a conveyance, or conveyances, in the listed quantity, at the listed location:

Variance No.	Applicant Name	Variance Location Address	No. of Elevators
22-V-118	KR Oyster Point II, LLC	375 Oyster Point Blvd., Bldg. D South San Francisco, CA	6
22-V-119	KR Oyster Point II, LLC	377 Oyster Point Blvd., Bldg. E South San Francisco, CA	6
22-V-120	KR Oyster Point II, LLC	379 Oyster Point Blvd., Bldg. F South San Francisco, CA	6

- The safety orders at issue are set forth in the prefatory portion of the Decision and Order. This proceeding is conducted in accordance with Labor Code section 143, and California Code of Regulations, title 8, section 401, et. seq.
- This hearing was held on May 25, 2022, in Sacramento, California, via teleconference, by delegation of the Occupational Safety and Health Standards Board (“Board”), with Hearing Officer Autumn Gonzalez, both presiding and hearing the matter on its merit, as a basis of proposed decision to be advanced to the Board for its consideration, in accordance with California Code of Regulations, title 8, section 426.

*Proposed Variance Decision  
Mitsubishi Elevators (Group IV)  
Hearing Date: May 25, 2022*

4. At the hearing, Carolina Castaneda, with Mitsubishi Electric, Elevator Division, appeared on behalf of each Applicant, Mark Wickens and David Morris appeared on behalf of the Division of Occupational Safety and Health (“Division”), and Michael Nelmidia appeared on behalf of Board staff in a technical advisory role apart from the Board.
5. At the hearing, documentary and oral evidence was received, and by stipulation of all parties, documents were accepted into evidence:

<b>Exhibit Number</b>	<b>Description of Exhibit</b>
PD-1	Permanent variance applications per section A.1 table
PD-2	OSHSB Notice of Hearing
PD-3	Board Staff Reviews of Variance Application
PD-4	Division Reviews of Variance Application
PD-5	Review Draft-1 Proposed Decision

Official Notice is taken of the Board’s rulemaking records and variance decisions concerning the safety order requirements from which variance is requested. At the close of hearing on May 25, 2022, the record was closed and the matter taken under submission by the Hearing Officer.

**B. Findings of Fact:**

Based on the record of this proceeding, the Board makes the following findings of fact:

1. Each section A table specified Applicant intends to utilize Mitsubishi elevators at the location and in the number stated in the table in Item A. The installation contracts for these elevators were signed on or after May 1, 2008, thus making the elevators subject to the Group IV Elevator Safety Orders.
2. The Board takes official notice and incorporates herein, Subsections D.3 through D.5 of the February 20, 2014, Decision of the Board in OSHSB Permanent Variance File No. 13-V-270.
3. As reflected in the record of this matter, including Board staff Pending Application for Permanent Variance Opinion Letter as PD-3, Division evaluation as PD-4, and testimony at hearing, it is the professionally informed opinion of Board staff and Division, that grant of requested variance, subject to conditions and limitations in substantial conforming with those set out per below Decision and Order, will provide Occupational Safety and Health equivalent or superior to that provided by the safety order requirements from which variance is sought.



C. Conclusive Findings:

The above stated procedural prerequisites, legal authority, and factual findings, as further supported by the documentary record and hearing testimony in this matter, provide a substantive and reasonable basis of conclusion that: (1) Each Applicant has complied with the statutory and regulatory requirements that must be met before an application for permanent variance may be conditionally granted, and (2) a preponderance of the evidence establishes that each Applicants proposal, subject to all conditions and limitations set forth in the below Decision and Order, will provide equivalent safety and health to that which would prevail upon full compliance with the requirements of California Code of Regulation, title 8, Elevator Safety Orders from which variance is being sought.

D. Decision and Order:

As of such date as the Board adopts this Proposed Decision, each Application for Permanent Variance listed in the above section A.1 table, is conditionally GRANTED to the extent each Applicant of record shall have permanent variance from California Code of Regulations, title 8, section 3141 [ASME A17.1-2004, sections 2.10.2.2 (only to the extent necessary to permit the intermediate rail to be located at a point other than halfway between the top rail and the surface on which the railing is installed), 2.10.2.4 (only to the extent necessary to permit a bevel sloping that conforms with the variance conditions) and 2.14.1.7.1 (only to the extent necessary to permit the car top railing to be inset to clear obstructions when the conveyance is elevated to perform work on the machine and/or governor). The variance applies to the location and number of elevators stated in the section A.1 table, and the variance is subject to the above limitations and following conditions:

1. The car top railing may be inset only to the extent necessary to clear obstructions when the conveyance is located at the top landing to perform work on the machine and/or governor.
2. Serviceable equipment shall be positioned so that mechanics, inspectors, and others working on the car top can remain positioned on the car top within the confines of the railings and do not have to climb on or over railings to perform adjustment, maintenance, minor repairs, inspections, or similar tasks. Persons performing those tasks are not to stand on or climb over railing, and those persons shall not remove handrails unless the equipment has been secured from movement and approved personal fall protection is used.

3. All exposed areas outside the car top railing shall preclude standing or placing objects or persons which may fall, and shall be beveled from an intermediate or bottom rail to the outside of the car top.
4. The top surface of the beveled area shall be clearly marked. The markings shall consist of alternating 4-inch red and white diagonal stripes.
5. The Applicant shall provide a durable sign with lettering not less than ½-inch high on a contrasting background. The sign shall be located on the inset top railing; the sign shall be visible from the access side of the car top, and the sign shall state:

CAUTION  
DO NOT STAND ON OR CLIMB OVER RAILING.  
PERSONNEL ARE PROHIBITED FROM REMOVING HANDRAIL  
UNLESS THE EQUIPMENT HAS BEEN SECURED FROM MOVEMENT  
AND APPROVED PERSONAL FALL PROTECTION IS USED.

6. The Group IV requirements for car top clearances shall be maintained (car top clearances outside the railing will be measured from the car top and not from the required bevel).
7. A mechanical means (e.g., locking bar mechanism) that will secure the car to the guide rail to prevent unintended movement shall be provided and used during machine and/or governor car-top work. The mechanical means (e.g., locking bar mechanism) shall have a safety factor of not less than 3.5 for the total unbalanced load.
8. An electrical switch or a lockout/tagout procedure shall be provided that will remove power from the driving machine and brake when the mechanical means (e.g., locking bar mechanism) is engaged.
9. In order to inhibit employees from working outside the car top railing, sections shall not be hinged and they shall be installed by means that will inhibit (but not necessarily completely preclude) removal. The Applicant shall ensure that all persons performing work that requires removal of any part of the car top railing are provided with fall protection that is appropriate and suitable for the assigned work. That fall protection shall consist of a personal fall arrest system or fall restraint system that complies with California Code of Regulations, title 8, section 1670.
10. The bevel utilized by the Applicant in accordance with the variance granted from ASME A17.1-2004, section 2.10.2.4 shall slope at not less than 75 degrees from the horizontal


to serve as the toe board; however, that slope may be reduced to a minimum of 40 degrees from the horizontal as may be required for sections where machine encroachment occurs.

11. If the Applicant directs or allows its employees to perform tasks on the car top, the Applicant shall develop, implement, and document a safety training program that shall provide training to Applicant employees. Components of the training shall include, but not necessarily be limited to, the following: car blocking procedures; how examination, inspection, adjustment, repair, removal and replacement of elevator components are to be performed safely, consistent with the requirements of the variance conditions; applicable provisions of the law and other sources of safety practices regarding the operation of the elevator. A copy of the training program shall be located in the control room of each elevator that is the subject of this variance, and a copy of the training program shall be attached to a copy of this variance that shall be retained in any building where an elevator subject to this variance is located. The Applicant shall not allow Certified Qualified Conveyance Company (CQCC) or other contractor personnel to work on the top of any elevator subject to this variance unless the Applicant first ascertains from the CQCC or other contractor that the personnel in question have received training equivalent to, or more extensive than, the training components referred to in this condition.
12. Any CQCC performing inspections, maintenance, servicing, or testing of the elevators shall be provided a copy of this variance decision.
13. The Division shall be notified when the elevator is ready for inspection. The elevator shall be inspected by the Division, and a Permit to Operate shall be issued before the elevator is placed in service.
14. The Applicant shall notify its employees or their authorized representative(s), or both, of this order in the same way and to the same extent that employees and authorized representatives are to be notified of docketed permanent variance applications pursuant to California Code of Regulations, title 8, sections 411.2 and 411.3.
15. This Decision and Order shall remain in effect unless modified or revoked upon application by the Applicant, affected employee(s), the Division, or by the Board on its own motion, in the manner prescribed for its issuance.

*Proposed Variance Decision  
Mitsubishi Elevators (Group IV)  
Hearing Date: May 25, 2022*

Pursuant to California Code of Regulations, title 8, section 426(b), the above, duly completed Proposed Decision, is hereby submitted to the Occupational Safety and Health Standards Board for consideration of adoption.

Dated: May 26, 2022

  
\_\_\_\_\_  
Autumn Gonzalez, Hearing Officer

STATE OF CALIFORNIA  
DEPARTMENT OF INDUSTRIAL RELATIONS  
OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
2520 Venture Oaks Way, Suite 350  
Sacramento, California 95833  
(916) 274-5721

In the Matter of Application for  
Permanent Variance regarding:

Medical Emergency Elevator Car  
Dimensions (Group IV)

OSHSB File No.: See Section A.1 table of  
Proposed Decision Dated: May 26, 2022

DECISION

The Occupational Safety and Health Standards Board hereby adopts the attached  
PROPOSED DECISION by Autumn Gonzalez, Hearing Officer.

\_\_\_\_\_  
DAVID THOMAS, Chairman

\_\_\_\_\_  
BARBARA BURGEL, Member

\_\_\_\_\_  
KATHLEEN CRAWFORD, Member

\_\_\_\_\_  
DAVID HARRISON, Member

\_\_\_\_\_  
NOLA KENNEDY, Member

\_\_\_\_\_  
CHRIS LASZCZ-DAVIS, Member

\_\_\_\_\_  
LAURA STOCK, Member

OCCUPATIONAL SAFETY AND HEALTH  
STANDARDS BOARD

Date of Adoption: June 16, 2022

THE FOREGOING VARIANCE DECISION WAS  
ADOPTED ON THE DATE INDICATED ABOVE.  
IF YOU ARE DISSATISFIED WITH THE  
DECISION, A PETITION FOR REHEARING  
MAY BE FILED BY ANY PARTY WITH THE  
STANDARDS BOARD WITHIN TWENTY (20)  
DAYS AFTER SERVICE OF THE DECISION.  
YOUR PETITION FOR REHEARING MUST  
FULLY COMPLY WITH THE REQUIREMENTS  
OF CALIFORNIA CODE OF REGULATIONS,  
TITLE 8, SECTIONS 427, 427.1 AND 427.2.

Note: A copy of this Decision must be  
posted for the Applicant's employees to  
read, and/or a copy thereof must be  
provided to the employees' Authorized  
Representatives.

BEFORE THE  
 OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD  
 DEPARTMENT OF INDUSTRIAL RELATIONS  
 STATE OF CALIFORNIA

<p>In the Matter of Application for Permanent Variance regarding:</p> <p style="text-align: center;">Medical Emergency Elevator Car Dimensions (Group IV)</p>	<p>OSHSB File No.: See section A.1 table below</p> <p style="text-align: center;"><u>PROPOSED DECISION</u></p> <p>Hearing Date: May 25, 2022</p>
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A. Jurisdictional and Procedural Matters

- Each below listed applicant (“Applicant”) has applied for permanent variances from provisions of the Elevator Safety Orders, found at title 8 of the California Code of Regulations<sup>1</sup>, with respect to the listed conveyance or conveyances, in the specified quantity, at the specified location:

Variance No.	Applicant Name	Variance Location Address	No. of Elevators
22-V-124	Sonoma County Junior College District	SRJC Campus Housing Armory Drive and Elliott Avenue 1501 Mendocino Avenue Santa Rosa, CA	1
22-V-130	Vallejo PSH, L.P.	2118 Sacramento Street Vallejo, CA	2

- This proceeding is conducted in accordance with Labor Code section 143, and section 401, et. seq. of the Board’s rules of practice and procedure.
- This hearing was held on May 25, 2022, in Sacramento, California, and via teleconference, by Occupational Safety and Health Standards Board (“Board”), with Hearing Officer Autumn Gonzalez, both presiding and hearing the matter on its merit, as a basis of proposed decision to be advanced to the Board for its consideration, in accordance with section 426.
- At the hearing, Dan Lecox of Lecox & Associates, and Wolter Geesink with Otis Elevator, appeared on behalf of each Applicant; Mark Wickens and David Morris appeared on behalf of the Division of Occupational Safety and Health (“Division”), and Michael Nelmidia appeared on behalf of the Board.

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<sup>1</sup> Unless otherwise noted, all references are to the California Code of Regulations, title 8.

*Proposed Variance Decision  
Medical Emergency Elevator Car Dimensions (Group IV)  
Hearing Date: May 25, 2022*

5. Oral evidence was received at the hearing, and by stipulation of all parties, documents were admitted into evidence:

<b>Exhibit Number</b>	<b>Description of Exhibit</b>
PD-1	Permanent variance applications per Section A.1 table
PD-2	OSHSB Notice of Hearing
PD-3	Board Staff Reviews of Variance Application
PD-4	Division Reviews of Variance Application
PD-5	Review Draft-1 Proposed Decision

Official notice is taken of the Board’s rulemaking records, and variance files and decisions, concerning the Elevator Safety Order standards at issue. At close of hearing on May 25, 2022, the record was closed, and the matter taken under submission by the Hearing Officer.

**B. Findings of Fact and Applicable Regulations**

Based upon the record of this proceeding, the Board finds the following:

1. Applicant requests a permanent variance from section 3041, subdivision (e)(1)(C), which states:

(1) All buildings and structures constructed after the effective date of this order that are provided with one or more passenger elevators shall be provided with not less than one passenger elevator designed and designated to accommodate the loading and transport of an ambulance gurney or stretcher maximum size 22 ½ in. (572 mm) by 75 in. (1.90 m) in its horizontal position and arranged to serve all landings in conformance with the following:

...

(C) The elevator car shall have a minimum inside car platform of 80 in. (2.03 m) wide by 51 in. (1.30 m) deep.

The intent of this language is to ensure that there is enough space to accommodate the access and egress of a gurney and medical personnel inside of a medical service elevator.

This standard is made applicable to Group IV by section 3141.7, subdivision (b), which reads, “Elevators utilized to provide medical emergency service shall comply with Group II, section 3041(e).”

*Proposed Variance Decision*

*Medical Emergency Elevator Car Dimensions (Group IV)*

*Hearing Date: May 25, 2022*

2. Applicant proposes to comply with the requirements of the 2019 California Building Code, section 3002.4.1a in the design of its medical emergency service elevator. That section requires:

The medical emergency service elevator shall accommodate the loading and transport of two emergency personnel, each requiring a minimum clear 21-inch (533 mm) diameter circular area and an ambulance gurney or stretcher [minimum size 24 inches by 84 inches (610 mm by 2134 mm) with not less than 5-inch (127 mm) radius corners] in the horizontal, open position.

The purpose of this requirement is to ensure that an elevator designated for emergency medical service will accommodate a minimum of two emergency personnel with an ambulance gurney or stretcher.

C. Conclusive Findings

The above-stated procedural prerequisites, legal authority, and factual findings, as further supported by the documentary record and hearing testimony in this matter, provide a substantive and reasonable basis of conclusion that: (1) Each Applicant has complied with the statutory and regulatory requirements that must be met before an application for permanent variance may be conditionally granted; and (2) a preponderance of the evidence establishes that each Applicants' proposal, subject to all conditions and limitations set forth in the below Decision and Order, will provide equivalent safety and health to that which would prevail upon full compliance with the requirements of the Elevator Safety Orders from which variance is being sought.

D. Decision and Order

Each permanent variance application the subject of this proceeding is conditionally GRANTED as specified below, and to the extent, as of the date the Board adopts this Proposed Decision, each Applicant listed in the above section A.1 table shall have permanent variances from sections 3041, subdivision (e)(1)(C) and 3141.7, subdivision (b) subject of those applications:

1. All medical emergency service elevator(s) shall comply with the requirements of the 2019 California Building Code section 3002.4.1a:

The medical emergency service elevator shall accommodate the loading and transport of two emergency personnel, each requiring a minimum clear 21-inch (533 mm) diameter circular area and an ambulance gurney or stretcher [minimum size 24 inches by 84 inches (610 mm by 2134 mm) with not less than 5-inch (127 mm) radius corners] in the horizontal, open position.



*Proposed Variance Decision*

*Medical Emergency Elevator Car Dimensions (Group IV)*

*Hearing Date: May 25, 2022*

2. All medical emergency service elevator(s) shall be identified in the building construction documents in accordance with the 2019 California Building Code, section 3002.4a.
3. Dimensional drawings and other information necessary to demonstrate compliance with the conditions of this permanent variance decision shall be provided to the Division, at the time of inspection, for the medical emergency service elevator(s).
4. Any Certified Qualified Conveyance Company performing inspections, maintenance, servicing, or testing all elevators shall be provided a copy of this variance decision.
5. The Division shall be notified when the elevator is ready for inspection. The elevator shall be inspected by the Division, and all applicable requirements met, including conditions of this permanent variance, prior to a Permit to Operate the elevator being issued. The elevator shall not be placed in service prior to the Permit to Operate being issued by Division.
6. Applicant shall notify its employees and their authorized representative, of this order in the same way and to the same extent that employees and authorized representatives are to be notified of docketed permanent variance applications pursuant to sections 411.2 and 411.3.
7. This Decision and Order shall remain in effect unless duly modified or revoked upon application by Applicant, affected employee(s), the Division, or by the Board on its own motion, in accordance with then in effect administrative procedures of the Board.

Pursuant to section 426, subdivision (b), the above, duly completed Proposed Decision, is hereby submitted to the Occupational Safety and Health Standards Board for consideration of adoption.

DATED: May 26, 2022

  
\_\_\_\_\_  
Autumn Gonzalez, Hearing Officer

# Occupational Safety and Health Standards Board

**Business Meeting**  
**Legislative Update**

**Legislative Update**  
**Prepared June 3, 2022 for the June 16, 2022**  
**Meeting of the Occupational Safety and Health Standards Board**

SUMMARY OF CHANGES

AB 257 Food facilities and employment. (2021-2022) **UPDATED**

AB 1643 Department of Industrial Relations.(2021-2022) **UPDATED**

AB 1733 State bodies: open meetings. (2021-2022) **NO UPDATE**

AB 1775 Occupational safety: live events.(2021-2022) **UPDATED**

AB 1993 Employment: COVID-19 vaccination requirements.(2021-2022) **NO UPDATE**

AB 2076 Extreme Heat and Community Resilience Program: Extreme Heat Hospitalization and Death Reporting System. (2021-2022) **UPDATED**

AB 2243 Occupational safety and health standards: heat illness: wildfire smoke. (2021-2022) **UPDATED**

SB 831 Entertainment Productions: Firearms: Safety. (2021-2022) **UPDATED**

**Legislative Update**  
**Prepared June 3, 2022 for the June 16, 2022**  
**Meeting of the Occupational Safety and Health Standards Board**

**AB-257 Food Facilities and Employment. (2021-2022)**

(Holden, Carrillo, Low, and Luz Rivas)

Date	Action
05/27/22	In committee: Hearing postponed by committee.
05/04/22	Referred to Coms. on L., P.E. & R. and JUD
2/01/22	In Senate. Read first time. To Com. on RLS. for assignment.

Summary:

AB 257, as amended, Holden. Food facilities and employment.

Enacts the Fast Food Accountability and Standards (FAST) Recovery Act that establishes the Fast Food Sector Council (Council) and tasks the council with conducting a full review every three years on the adequacy of fast food restaurant health, safety, and employment standards and establishing sectorwide minimum health, safety, wage, working hours, and employment standards. Requires a report be provided to the Legislature at least 60 days before a standard is effective.

Major Provisions

- 1) Establishes a Fast Food Sector Council (Council), comprised of 11 members appointed by the Governor, Speaker of the Assembly and Senate Rules Committee, to set sectorwide standards on wages and working conditions in the fast food industry.
- 2) Authorizes the Council to issue standards, rules or regulations to carry out its purpose, and provides that the Council's standards prevail in application to fast food restaurant workers, franchisees and franchisors if there is a conflict with regulations issued by another state agency, except the Division of Occupational Safety and Health (DOSH). The Council must review adopted standards every three years and hold public hearings every six months.
- 3) Requires the Council to recommend standards to OSHSB to protect restaurant worker health and safety, and requires OSHSB to adopt and enforce the Council's recommendations, unless OSHSB finds the recommendation is outside DOSH's statutory authority or unlawful.

**AB-257**

**Legislative Update**  
**Prepared June 3, 2022 for the June 16, 2022**  
**Meeting of the Occupational Safety and Health Standards Board**

- 4) Grants a cause of action to any fast food restaurant worker discharged, discriminated or retaliated against for exercising their rights, creates a rebuttable presumption of unlawful discrimination or retaliation for any adverse action taken against the worker within 90 days of the franchisor or franchisee having knowledge of the worker exercising their rights and allows the Labor Commissioner (LC) to enforce violations without receiving a complaint.
- 5) Requires a fast food restaurant franchisor to ensure a franchisee complies with worker and public health laws, including standards issued by the Council. This bill makes a franchisor jointly and severally liable for any penalties or fines for a violation incurred by the franchisee, and provides that any agreement by a franchisee to indemnify the franchisor for liability is contrary to public policy, void and unenforceable.
- 6) States that nothing in this bill is intended to encroach on the Legislature's ability to establish workplace standards for workers including fast food restaurant workers. The intent of the Legislature is to ensure that legislators have sufficient time to review and take legislative action, if appropriate, with respect to fast food standards promulgated under the bill pursuant to notice-and-comment rulemaking procedures.
- 7) Provides that a standard, repeal or amendment of a standard shall not take effect until the submission of a report to the Legislature, as specified, that contains the standard, repeal or amendment and the reasons for it.
- 8) Specifies that the standard, repeal or amendment shall not take effect until at least 60 days have passed from the Legislature's receipt of the Council's report.
- 9) States that nothing in this bill shall be construed to give the Council the authority to create or amend statutes.

Board staff is monitoring for potential impacts on Board operations.

**Legislative Update**  
**Prepared June 3, 2022 for the June 16, 2022**  
**Meeting of the Occupational Safety and Health Standards Board**

**AB-1643 State government: extreme heat: advisory committee study. (2021-2022)**

(Rivas)

Date	Action
05/27/22	In Senate. Read first time. To Com. on RLS. for assignment.
05/26/22	Read third time. Passed. Ordered to the Senate. (Ayes 65. Noes 0.)
05/23/22	Read second time. Ordered to third reading.
05/19/22	Read second time and amended. Ordered returned to second reading.
05/19/22	From committee: Amend, and do pass as amended. (Ayes 13. Noes 0.) (May 19).
05/11/22	In committee: Set, first hearing. Referred to suspense file.

Summary:

**AB-1643**

AB 1643, as amended, Robert Rivas. State government: extreme heat: advisory committee study.

Existing law establishes the Labor and Workforce Development Agency under the supervision of an executive officer known as the Secretary of Labor and Workforce Development. Existing law requires the secretary to perform specified duties, including advising the Governor with respect to establishing major policy and program matters affecting each department, office, or other unit within the agency. Existing law authorizes officers or employees within the agency to exercise powers designated to them by the secretary.

This bill would require the agency, on or before July 1, 2023, to establish an advisory committee to study the effects of extreme heat ~~and humidity~~ on California's workers, businesses, and the economy. The bill would require the committee *to meet no less than quarterly, to consider how to define "extreme heat" in this context, and to make recommendations on how to improve the state's identification, tracking, and responses to these effects.* The bill would require the committee, in considering the effects of extreme heat ~~and humidity~~ on California's workers, businesses, and the economy, to consider, at a minimum, all of specified factors, including the number of workdays canceled *or shortened* due to extreme heat ~~or humidity~~ and the amount of wages lost due to extreme ~~heat or humidity events.~~ *heat*. The bill would require the committee to be comprised of specified representatives from state agencies, labor and business entities, and academia. The bill would authorize the advisory committee to contract

**Legislative Update**  
**Prepared June 3, 2022 for the June 16, 2022**  
**Meeting of the Occupational Safety and Health Standards Board**

	<p>with <del>public</del> <i>academic</i> institutions to complete <del>this study</del> <i>its work</i> and to issue a report of its findings to the Legislature no later than January 1, 2025. The bill would repeal these provisions on January 1, 2026.</p> <p>The Board is monitoring this bill.</p>
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<b>AB-1733</b>	<p><b>AB-1733 State Bodies: Open Meetings.</b>(2021-2022) (Quirk)</p>										
	<table border="1" style="width: 100%;"> <thead> <tr> <th style="text-align: center;">Date</th> <th style="text-align: center;">Action</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">04/20/22</td> <td>In committee: Hearing postponed by committee.</td> </tr> <tr> <td style="text-align: center;">02/18/22</td> <td>Referred to Coms. on G.O. and B. &amp; P.</td> </tr> <tr> <td style="text-align: center;">02/01/22</td> <td>From printer. May be heard in committee March 3.</td> </tr> <tr> <td style="text-align: center;">01/31/22</td> <td>Read first time. To print.</td> </tr> </tbody> </table>	Date	Action	04/20/22	In committee: Hearing postponed by committee.	02/18/22	Referred to Coms. on G.O. and B. & P.	02/01/22	From printer. May be heard in committee March 3.	01/31/22	Read first time. To print.
	Date	Action									
	04/20/22	In committee: Hearing postponed by committee.									
	02/18/22	Referred to Coms. on G.O. and B. & P.									
	02/01/22	From printer. May be heard in committee March 3.									
01/31/22	Read first time. To print.										
<p><u>Summary:</u></p>											
<p>AB 1733, as introduced, Quirk. State bodies: open meetings.</p>											
<p>Existing law, the Bagley-Keene Open Meeting Act, requires, with specified exceptions, that all meetings of a state body be open and public and all persons be permitted to attend any meeting of a state body. The act defines a “meeting” to include any congregation of a majority of the members of a state body at the same time and place to hear, discuss, or deliberate upon any item that is within the subject matter jurisdiction of the state body to which it pertains. The act authorizes teleconferenced meetings under specified circumstances, provided that at least one member of the state body is physically present at the location specified in the notice of the meeting, and all votes taken during a teleconferenced meeting are taken by rollcall. The act provides that if the state body elects to conduct a meeting or proceeding by teleconference, the state body is required to post agendas at all teleconference locations and conduct teleconference meetings in a manner that protects the rights of any party or member of the public appearing before the state body. The act requires each teleconference location to be identified in the notice and agenda of the meeting or proceeding, and each teleconference location to be accessible to the public, and the agenda to provide an opportunity for members of the public to address the state body at each teleconference location.</p>											

**Legislative Update**  
**Prepared June 3, 2022 for the June 16, 2022**  
**Meeting of the Occupational Safety and Health Standards Board**

Existing law requires a state body to provide notice of its meeting to any person who requests that notice in writing and to provide notice of the meeting of its internet website at least 10 days in advance of the meeting, as prescribed. Existing law exempts from the 10-day notice requirement, special meetings and emergency meetings in accordance with specified provisions. Existing law authorizes a state body to adjourn any regular, adjourned regular, special, or adjourned special meeting to a time and place specified in the order of adjournment, and authorizes a state body to similarly continue or reconvene any hearing being held, or noticed, or ordered to be held by a state body at any meeting.

This bill would specify that a “meeting” under the act, includes a meeting held entirely by teleconference. The bill would require all open meetings to be held by teleconference, would allow for use of teleconference in closed sessions, and would remove existing provisions of the act that require each teleconference location to be identified in the notice and agenda and accessible to the public. The bill would instead require the state body to provide a means by which the public may remotely hear, or hear and observe, the meeting and may remotely address the state body via two-way audio-visual platform or two-way telephonic service, as specified, and would require information to be provided in any notice to the public indicating how the public can access the meeting remotely. The bill would require the state body to provide an opportunity for members of the public to address the state body. The bill would require the state body to provide members of the public a physical location to hear, observe, and address the state body, and would authorize the members of the state body to participate in a meeting remotely or at a designated physical meeting location, and specify that physical presence at any physical meeting location is not necessary for the member to be deemed present at the meeting. The bill would require the agenda to be posted 10 days in advance of the meeting, or as provided in accordance with the provisions applicable to a special or emergency meeting, as well as posted on the state body’s internet website and, on the day of the meeting, at any physical meeting location designated in the notice. The bill would also provide that the notice of the meeting is required to specify the means by which a meeting may be accessed by teleconference. The bill would prohibit the notice and agenda from disclosing any information regarding any remote location from which a member is participating, and require members attending a meeting from a remote location to disclose whether any other individuals 18 years of age or older are present in the room, as specified.

If a state body discovers that a means of remote participation, as defined, required by these provisions has failed during a meeting and cannot be restored, the state body would be required to end or adjourn the meeting and take specified actions to notify participants and communicate when the state body intends to reconvene the meeting and how a member of the public may hear audio of, or observe, the meeting.

This bill would remove certain notice provisions specific to advisory bodies of state boards.



**Legislative Update**  
**Prepared June 3, 2022 for the June 16, 2022**  
**Meeting of the Occupational Safety and Health Standards Board**

Existing law prohibits a state body from requiring, as a condition to attend a meeting, a person to register the person's name, or to provide other information, or to fulfill any condition precedent to the person's attendance.

This bill would exclude from that prohibition an internet website or other online platform that may require identification to log into a teleconference.

Existing law limits the purposes for which a state body is authorized to call a special meeting, including, among others, consideration of disciplinary action involving a state officer or employee and consideration of license examinations and applications.

This bill would add to those purposes deliberation on a decision to be reached in a proceeding required to be conducted pursuant to provisions governing administrative adjudicative proceedings or similar provisions of law.

Under existing law, the Department of Consumer Affairs, which is under the control of the Director of Consumer Affairs, is composed of various boards, as defined, that license and regulate various professions and vocations. Existing law requires the boards to meet at least 2 times each calendar year. Existing law requires those boards to meet at least once each calendar year in northern California and once each calendar year in southern California in order to facilitate participation by the public and its licensees.

This bill would exempt a board from the requirement to meet in northern and southern California each once a year if the board's meetings are held entirely by teleconference.

This bill would also make conforming changes.

This bill would declare the Legislature's intent, consistent with the Governor's Executive Order No. N-29-20, to improve and enhance public access to state and local agency meetings during the COVID-19 pandemic and future emergencies by allowing broader access through teleconferencing options.

This bill would declare that it is to take effect immediately as an urgency statute.

The Board is monitoring this bill.

**Legislative Update**  
**Prepared June 3, 2022 for the June 16, 2022**  
**Meeting of the Occupational Safety and Health Standards Board**

**AB-1775 Occupational safety: live events. (2021-2022)**  
(Ward)

Date	Action
05/27/22	In Senate. Read first time. To Com. on RLS. for assignment.
05/26/22	Read third time. Passed. Ordered to the Senate. (Ayes 65. Noes 8.)
05/23/22	Read second time. Ordered to third reading.
05/19/22	Read second time and amended. Ordered returned to second reading.
05/19/22	From committee: Amend, and do pass as amended. (Ayes 13. Noes 3.) (May 19).

**AB-1775**

Summary:

AB 1775, as amended, Ward. Occupational safety: live events.

Existing law establishes the Division of Occupational Safety and Health in the Department of Industrial Relations, and charges the division with the enforcement of various laws affecting safe working conditions, including the California Occupational Safety and Health Act of 1973.

This bill would require a contracting entity, as defined, to require an entertainment events vendor to certify for their employees and subcontractors that those individuals have complied with specified training, certification, and workforce requirements, including that employees involved in setting up, tearing down, or the production of a live event at the venue have completed prescribed trainings of the United States Department of Labor’s Occupational Safety and Health Administration. The bill would impose a civil penalty of up to \$1,000 for each serious violation of those provisions, and would require the division to deposit those funds in the Occupational Safety and Health Fund.

The Board is monitoring this bill.

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**Prepared June 3, 2022 for the June 16, 2022**  
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<b>AB-1993</b>	<b>AB-1993 Employment: COVID-19 vaccination requirements. (2021-2022)</b> (Wicks and Low)	
	Date	Action
	04/18/22	Coauthors revised.
	03/29/22	In committee: Set, first hearing. Hearing canceled at the request of author.
	03/17/22	Referred to Coms. on L. & E. and JUD.
	02/11/22	From printer. May be heard in committee March 13.
	02/10/22	Read first time. To print.
<p><u>Summary:</u></p> <p>AB 1993, as introduced, Wicks. Employment: COVID-19 vaccination requirements.</p> <p>Existing law, the California Fair Employment and Housing Act (FEHA), establishes the Department of Fair Employment and Housing within the Business, Consumer Services, and Housing Agency and sets forth its powers and duties relating to the enforcement of civil rights laws with respect to housing and employment.</p> <p>Existing federal law, the Federal Food, Drug, and Cosmetic Act, authorizes the United States Secretary of Health and Human Services to approve new drugs and products, including vaccines, for introduction into interstate commerce, and authorizes the secretary to authorize vaccines for use in an emergency upon declaring a public health emergency. On February 4, 2020, the secretary determined that there is a public health emergency and declared circumstances exist justifying the authorization of emergency use of drugs and biological products. The secretary subsequently authorized the emergency use of 3 vaccines for the prevention of COVID-19, and on August 23, 2021, the secretary approved a vaccine for the prevention of COVID-19.</p> <p>The California Emergency Services Act authorizes the Governor to declare a state of emergency during conditions of disaster or extreme peril to persons or property, including epidemics. On March 4, 2020, the Governor declared a state of emergency relating to the COVID-19 pandemic. Pursuant to this authority, the Governor issued several executive orders requiring individuals in specified employment, health care, school, or other settings to provide proof of a COVID-19 vaccination status, unless specified exceptions are met.</p> <p>This bill would require an employer to require each person who is an employee or independent contractor, and who is eligible to receive the COVID-19 vaccine, to show proof</p>		

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to the employer, or an authorized agent thereof, that the person has been vaccinated against COVID-19. This bill would establish an exception from this vaccination requirement for a person who is ineligible to receive a COVID-19 vaccine due to a medical condition or disability or because of a sincerely held religious belief, as specified, and would require compliance with various other state and federal laws. The bill would require proof-of-vaccination status to be obtained in a manner that complies with federal and state privacy laws and not be retained by the employer, unless the person authorizes the employer to retain proof.

This bill would require, on January 1, 2023, each employer to affirm, in a form and manner provided by the department, that each employee or independent contractor complied with these provisions, and would require the employer to affirm that each new employee or independent contractor is in compliance at the time of hiring or contracting with that person. The bill would require the department to impose a penalty of an unspecified amount on an employer for any violation of these provisions.

This bill would repeal these provisions when the federal Centers for Disease Control and Prevention’s Advisory Committee on Immunization Practices determines that COVID-19 vaccinations are no longer necessary for the health and safety of individuals.

This bill would include findings that changes proposed by this bill address a matter of statewide concern rather than a municipal affair and, therefore, apply to all cities, including charter cities.

This bill would declare that its provisions are severable.

Board staff are monitoring this legislation to determine if regulatory action by the Board is called for.

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<b>AB-2076</b>	<b>AB 2076 Extreme Heat and Community Resilience Program: Extreme Heat Hospitalization and Death Reporting System. (2021-2022)</b>	
	(Rivas, Garcia)	
	Date	Action
	06/02/22	Action rescinded whereby the bill was referred to Com. on JUD.
	06/01/22	Referred to Coms. on E.Q., HEALTH and JUD.
	05/26/22	In Senate. Read first time. To Com. on RLS. for assignment.
	05/25/22	Read third time. Passed. Ordered to the Senate. (Ayes 73. Noes 1.)
	05/23/22	Read second time. Ordered to third reading.
	05/19/22	Read second time and amended. Ordered returned to second reading.
	05/19/22	From committee: Amend, and do pass as amended. (Ayes 12. Noes 0.) (May 19).
05/11/22	In committee: Set, first hearing. Referred to suspense file.	
<u>Summary:</u>		
<p>AB 2076, as amended, Luz Rivas. Extreme Heat and Community Resilience Program: Extreme Heat and Health Reporting System.</p> <p>(1) Existing law establishes the Office of Planning and Research in state government in the Governor’s office. Existing law establishes the Integrated Climate Adaptation and Resiliency Program (ICARP), to be administered by the office, to coordinate regional and local efforts with state climate adaptation strategies to adapt to the impacts of climate change, as prescribed.</p> <p>This bill would establish the Extreme Heat and Community Resilience Program in the office, to be administered by the office through ICARP, for the purpose of coordinating state efforts and supporting local and regional efforts to prevent or mitigate the impacts of, and reduce the public health risks of, heat. The bill would require the Director of State Planning and Research to appoint a Chief Heat Officer in the office to, among other things, implement the program and establish the Interagency Heat Taskforce, as provided. Upon appropriation by the Legislature, the bill would <del>authorize the program</del> require the office, as part of the program, to award grants and provide technical assistance to eligible entities, as defined, <del>for</del></p>		

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~~specified projects~~ that support local and regional efforts to mitigate the impacts and reduce the public health risks of heat. The bill would require the office, in the awarding of grants, to prioritize projects that serve disadvantaged or vulnerable communities, as specified, that demonstrate participation in a regional climate collaborative program, or that are a component of a comprehensive heat action plan. The bill would authorize the director to make advance payments, not to exceed 25% of the total award amount, from a grant awarded pursuant to the program. The bill would require the office, in administering the program, to review and consider climate science research and publications, as specified, and to minimize greenhouse gas emissions and electricity grid stress, avoid maladaptation, and maximize job growth and other cobenefits, as provided.

The bill would require the office to draft and adopt guidelines, as provided, for awarding grants pursuant to the program to eligible entities. The bill would require projects awarded a grant to consider, and be informed by, the most recent California Climate Change Assessment. The bill would also exempt guidelines established by the office pursuant to the program from provisions of the Administrative Procedure Act.

The bill would require the office, on or before January 1, 2024, and every 2 years thereafter, to update the Extreme Heat Action Plan to promote comprehensive, coordinated, and effective state and local government action on heat, as provided. The bill would also require the office to post the plan and subsequent updates on the office's internet website and to provide the plan and subsequent updates to the relevant policy and fiscal committees of the Legislature.

The bill would establish the Extreme Heat and Community Resilience Fund in the State Treasury. The bill would provide that moneys in the fund shall be available upon appropriation by the Legislature to the office for the sole purpose of implementing the program.

(2) Existing law establishes the State Department of Public Health, which is responsible for various programs relating to the health and safety of people in the state, including licensing health facilities, regulating food and drug safety, and monitoring and preventing communicable and chronic diseases.

This bill would require the department, on or before July 1, 2024, upon appropriation by the Legislature, and in consultation with the Chief Heat Officer in the Office of Planning and Research, to establish and maintain the Extreme Heat and Health Reporting System, a syndromic surveillance system, to receive notice and data from local health departments, clinics, emergency rooms, hospitals, and other sources on illnesses, including emergency room visits, and deaths resulting from exposure to extreme heat, as specified. The bill would require the department to publish the data on its internet website as near to real-time as possible, including data identifying neighborhoods and subgroups in need of priority interventions, and to publish on its internet website an annual report on heat illness and deaths that includes findings regarding individual and community and neighborhood risk factors. The bill would require all personal information obtained or maintained by the system

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	<p>to be confidential, the system and this information to be exempt from disclosure except as provided, and only deidentified aggregate patient or other consumer data to be included in the data and annual report published on the department’s internet website.</p> <p>Existing constitutional provisions require that a statute that limits the right of access to the meetings of public bodies or the writings of public officials and agencies be adopted with findings demonstrating the interest protected by the limitation and the need for protecting that interest.</p> <p>This bill would make legislative findings to that effect.</p> <p>Board staff is monitoring this bill for impacts on the Standards Board.</p>
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<b>AB-2243</b>	<b>AB-2243 Occupational safety and health standards: heat illness: wildfire smoke. (2021-2022)</b>	
	<i>(Garcia, Rivas)</i>	
	Date	Action
	05/26/22	In Senate. Read first time. To Com. on RLS. for assignment.
	05/25/22	Read third time. Passed. Ordered to the Senate. (Ayes 47. Noes 19.)
	05/23/22	Read second time. Ordered to third reading.
	05/19/22	Read second time and amended. Ordered returned to second reading.
	05/19/22	From committee: Amend, and do pass as amended. (Ayes 12. Noes 4.) (May 19).
05/11/22	In committee: Set, first hearing. Referred to suspense file.	
<u>Summary:</u>		
<p>AB 2243, as amended, Eduardo Garcia. Occupational safety and health standards: heat illness: wildfire smoke.</p> <p>Existing law grants the Division of Occupational Safety and Health, which is within the Department of Industrial Relations, jurisdiction over all employment and places of employment, with the power necessary to enforce and administer all occupational health</p>		

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and safety laws and standards. The Occupational Safety and Health Standards Board, an independent entity within the department, has the exclusive authority to adopt occupational safety and health standards within the state. Existing law, the California Occupational Safety and Health Act of 1973 (OSHA), requires employers to comply with certain safety and health standards, as specified, and charges the division with enforcement of the act. Under OSHA, certain knowing, negligent, or willful violations of safety and health standards are punishable as a misdemeanor. The existing Maria Isabel Vasquez Jimenez heat illness standard provides for the prevention of heat-related illness of employees in outdoor places of employment, as prescribed. There is also an existing standard for workplace protection from wildfire smoke.

This bill would require the division, before January 1, 2024, to submit to the standards board a rulemaking proposal to ~~revise~~ consider revising the heat illness standard to include an ultrahigh heat standard for employees in outdoor places of employment for heat in excess of 105 degrees Fahrenheit, as prescribed, and require employers to distribute copies of the Heat Illness Prevention Plan, as provided. The bill would similarly require a rulemaking proposal to ~~revise~~ consider revising the wildfire smoke standard to reduce the existing air quality index threshold for PM2.5 particulate matter at which control by respiratory protective equipment becomes ~~mandatory, and remove the requirement that an employer reasonably anticipate employees may be exposed to wildfire smoke.~~ mandatory. The bill would require the standards board to review the proposed changes and adopt revised standards before July 1, 2024. The bill would further require the division to consider regulations relating to protections related to acclimatization to higher ~~temperatures,~~ temperatures and training programs for outdoor employees in directly administering first aid, ~~and additional protections for piece-rate workers,~~ as provided.

Because this bill would require the adoption of additional safety standards, the violation of which would be a misdemeanor, it would impose a state-mandated local program.

The California Constitution requires the state to reimburse local agencies and school districts for certain costs mandated by the state. Statutory provisions establish procedures for making that reimbursement.

This bill would provide that no reimbursement is required by this act for a specified reason.

Board staff are monitoring this legislation to determine if regulatory action by the Board is called for.



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**SB-831 Entertainment Productions: Firearms: Safety.(2021-2022)**  
(Cortese)

Date	Action
05/19/22	May 19 hearing: Held in committee and under submission.
05/17/22	Set for hearing May 19.
05/16/22	May 16 hearing: Placed on APPR suspense file.
05/06/22	Set for hearing May 16.

Summary:

SB 831, as amended, Cortese. Motion picture productions: set safety: firearms: ammunition..

Existing law grants the Division of Occupational Safety and Health, which is within the Department of Industrial Relations, jurisdiction over all employment and places of employment, with the power necessary to enforce and administer all occupational health and safety laws and standards. The Occupational Safety and Health Standards Board, an independent entity within the department, has the exclusive authority to adopt occupational safety and health standards within the state. Existing law, the California Occupational Safety and Health Act of 1973, requires employers to comply with certain standards ensuring healthy and safe working conditions, as specified, and charges the division with enforcement of the act. Other existing law relating to occupational safety imposes special provisions on certain industries and charges the division with enforcement of these provisions.

This bill would require a motion picture production employer to hire a qualified set safety supervisor for all motion picture productions to perform ~~an overall risk assessment~~ *a risk assessment, as specified*, to be completed prior to the first day of production *on a feature, an episode of a series, or a program*, and to be on set daily to ensure cast and crew are not engaged in or exposed to an environment or activity that puts workers' health and safety at risk. The bill would allow the use of a ~~firearm, a functioning firearm-like device,~~ *firearm* and blank ammunition containing gunpowder or other explosive charge on motion picture productions only for specified purposes and under specified safety conditions. The bill would require a qualified armorer, property master, or designee handling a firearm in the course of *the* motion picture production to have *a specified state permit, to have* completed certain training in ~~firearms~~ *firearms*, and *to have a specified permit federal document* for the possession and custody of the firearm. The bill would require an employer to document and report to certain entities any incident involving a firearm or blank ammunition that occurs during a film or television production, as prescribed.

**SB-831**

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This bill would prohibit ammunition on film, television, and commercial sets, except in prescribed circumstances, subject to certain safety rules and laws. The bill would require an employer to ensure that any employee responsible for handling, or in proximity to, firearms on set completes a specific firearm training or equivalent training, as prescribed. The bill would require an employer to comply with the bill and all safety standards adopted by the standards board. The bill would establish exemptions from its provisions for specified registered security guards and peace officers when they are on the perimeter of a set where motion picture production is happening.

This bill would require the division to enforce its provisions and, before July 1, 2023, to propose to the standards board, for its review and adoption on or before January 1, 2024, a standard that protects the health and safety of motion picture production employees with regard to the storage, handling, and use of ~~firearms, firearm-like projectile devices,~~ *firearms* and blanks on set and for use of ammunition. The bill would require the division, in the development of the proposed safety standard, to consider and incorporate, to the extent feasible and consistent with the bill, the provisions of specified joint industry-labor safety bulletins. *The bill would also require the division to consider certain other safety standards as it determines to be relevant.* The bill would establish civil penalties for specified violations. The bill would define terms for its purposes.

Board staff are monitoring this legislation to determine if regulatory action by the Board is called for.

# Occupational Safety and Health Standards Board

## Business Meeting Executive Officer's Report