

**ATTACHMENT (4)**

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**AREA WALK-BY CHECKLIST**

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**ATTACHMENT 4**  
**AREA WALK-BY CHECKLIST**

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# A

## Area Walk-By Checklists (AWCs)

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**Table A-1: Area Walk-By Checklists**

<b>Building</b>	<b>Elevation</b>	<b>Location</b>	<b>Page</b>
AUX	-15	CAL-AB-101	D-2
AUX	-15	CAL-AB-102	D-5
AUX	5	CAL-AB-201	D-79
AUX	5	CAL-AB-203	D-82
AUX	5	CAL-AB-204	D-86
AUX	5	CAL-AB-205	D-90
AUX	5	CAL-AB-206	D-96
AUX	5	CAL-AB-215	D-99
AUX	27	CAL-AB-302	D-10
AUX	27	CAL-AB-305	D-21
AUX	27	CAL-AB-306	N/A <sup>1</sup>
AUX	27	CAL-AB-309	D-24
AUX	27	CAL-AB-310	D-33
AUX	27	CAL-AB-311	D-37
AUX	45	CAL-AB-405	D-45
AUX	45	CAL-AB-407	D-48
AUX	45	CAL-AB-408	D-51
AUX	45	CAL-AB-409	D-56
AUX	45	CAL-AB-414	D-60
AUX	45	CAL-AB-416	D-63
AUX	45	CAL-AB-422	D-67
AUX	45	CAL-AB-440	D-73
AUX	70	CAL-AB-526	D-103
AUX	70	CAL-AB-527	D-105
AUX	70	CAL-AB-532	D-108
AUX	70	CAL-AB-ARF	D-113
Intake	-7	CAL-ISPR-INT2	D-120
TURB	12	CAL-AFWPR-605	D-130

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<sup>1</sup> This area is common between Unit 1 and Unit 2. See the Unit 1 report for the AWC for this area.

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

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Status:  Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, -15, CAL-AB-101

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#### Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

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1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes
  
  2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes  
*Observed that LPSI 21 is missing an anchor bolt. This condition has been evaluated by calculation CA02066.*
  
  3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes  
*Cable trays are supported on walls and trapeze hangers, judged not to have any seismic concerns.*
  
  4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Yes
  
  5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes  
*The overhead threaded fire piping is judged to be well supported and not a concern for spray or flooding.*
  
  6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes
  
  7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Yes
-

**ATTACHMENT 4**  
**AREA WALK-BY CHECKLIST**

---

Status:  Y  N  U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): Area : AUX, -15, CAL-AB-101

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*Scaffolding and lead shielding is judged to be well supported, therefore not a seismic concern.*

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

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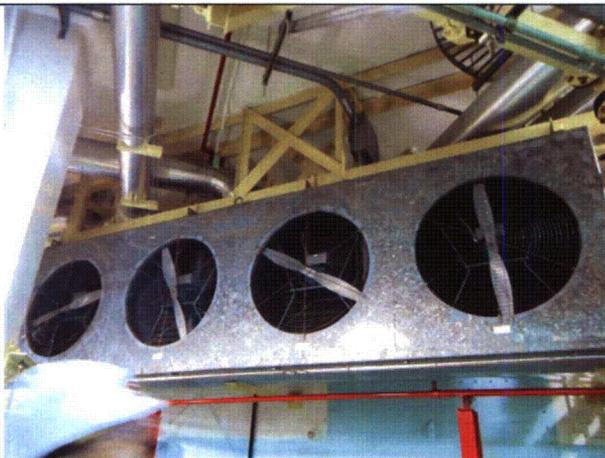
**Comments**

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Evaluated by: *A. Karavoussianis* A. Karavoussianis Date: 11/09/2012

*C. Figliolini* C. Figliolini 11/09/2012

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Area # AUX, -15, CAL-AB-101 8-6-12 192



Area # AUX, -15, CAL-AB-101 8-6-12 193

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

---

Status:  Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, -15, CAL-AB-101

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Area # AUX, -15, CAL-AB-101 8-6-12 194

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# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

---

Status:  Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, -15, CAL-AB-102

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#### Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

---

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes
  
  2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
  
  3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes
  
  4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Yes
  
  5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
  
  6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes
  
  7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Yes
-

**ATTACHMENT 4**  
**AREA WALK-BY CHECKLIST**

---

Status:  Y  N  U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): Area : AUX, -15, CAL-AB-102

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*Scaffolding and lead shielding is judged to be well supported and not a seismic concern.*

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

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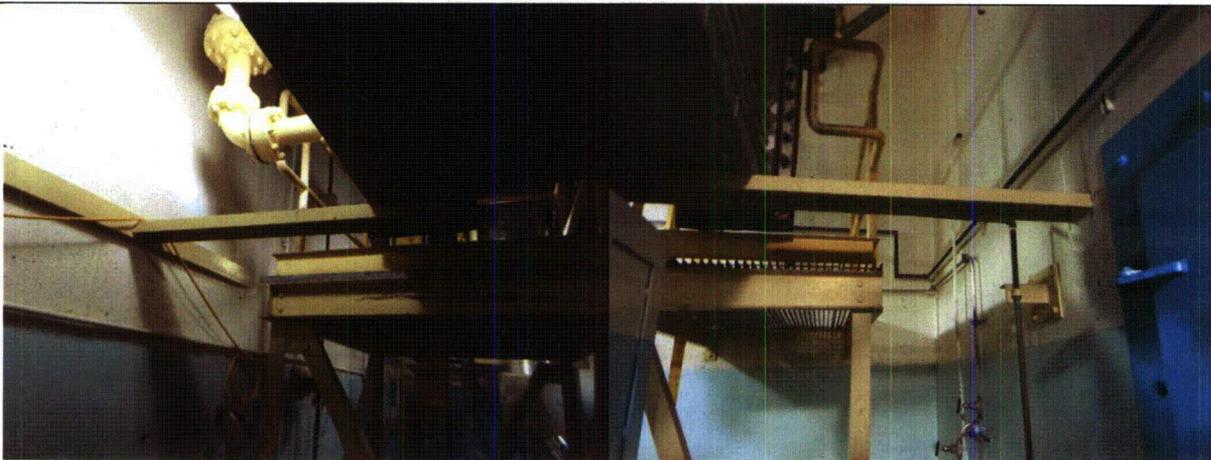
**Comments**

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Evaluated by: *A. Karavoussianis* A. Karavoussianis Date: 11/09/2012

*C. Figliolini* C. Figliolini 11/09/2012

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Area # AUX, -15, CAL-AB-102 8-7-12 259

Area # AUX, -15, CAL-AB-102 8-7-12 263

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

Status:  Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, -15, CAL-AB-102



Area # AUX, -15, CAL-AB-102 8-7-12 266



Area # AUX, -15, CAL-AB-102 8-7-12 270



Area # AUX, -15, CAL-AB-102 8-7-12 273



Area # AUX, -15, CAL-AB-102 8-7-12 274

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

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Status:  Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, -15, CAL-AB-102



Area # AUX, -15, CAL-AB-102 8-7-12 280



Area # AUX, -15, CAL-AB-102 8-7-12 281

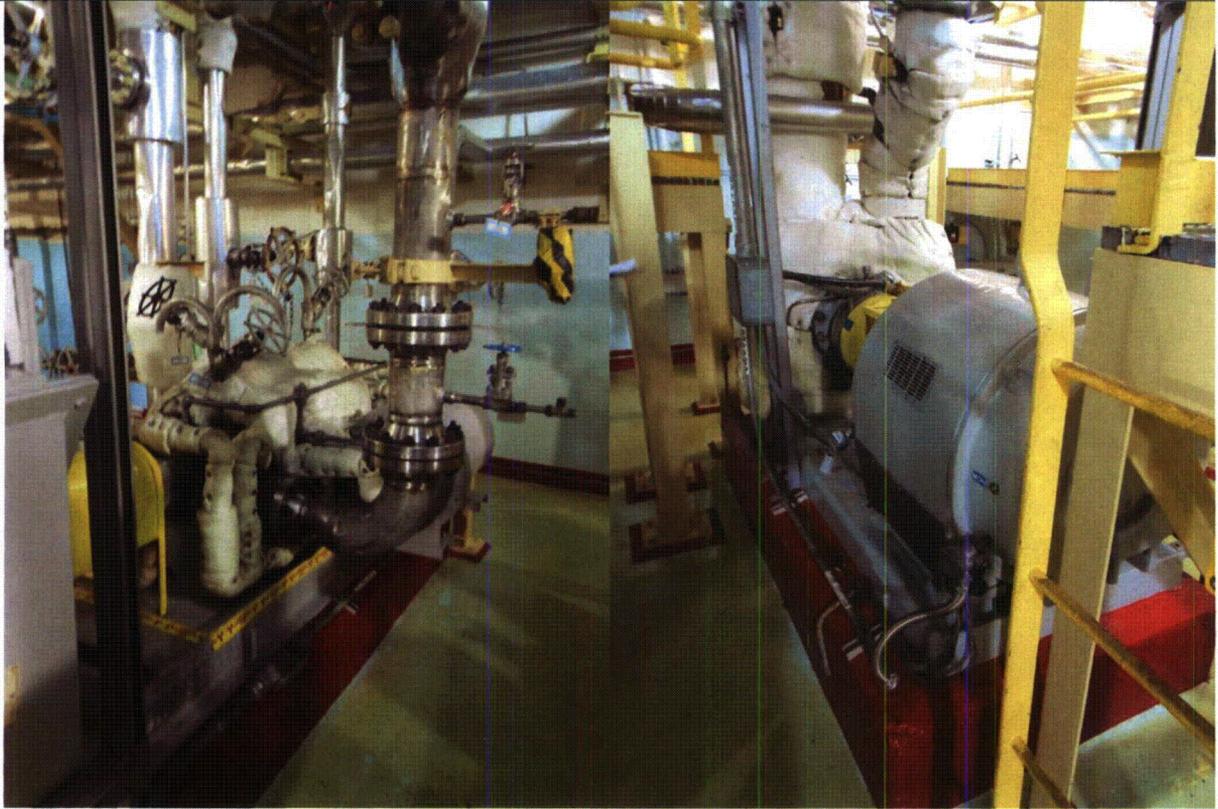
# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

Status:  Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, -15, CAL-AB-102



Area # AUX, -15, CAL-AB-102 8-7-12 283

Area # AUX, -15, CAL-AB-102 8-7-12 288

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

Status:  Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-302

#### Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

- |    |  |     |
|----|--|-----|
| 1. | <p>Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)?</p> <p><i>Observed panels mounted to masonry block wall. Masonry block walls, identified as T, S, N, AA and BB on drawing A-260, are safety-related and thus seismically rated per IE Bulletin 80-11.</i></p>  | Yes |
| 2. | <p>Does anchorage of equipment in the area appear to be free of significant degraded conditions?</p>   | Yes |
| 3. | <p>Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?</p> <p><i>There are open ladder type cable trays, supported on either unistrut frames or a combination of unistrut and rod hanger frames or cantilever bracket off unistrut frames. Typically the cable tray is clipped to every 2nd or 3rd cantilever support bracket.</i></p>   | Yes |
| 4. | <p>Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?</p> <p><i>Verify whether cabinets 2D02 and 2D14 are bolted together. Conduit from 2D12 is a 1/8" to 2Y10-80 &amp; 2D02 75-2208. 1/2" gap to 2Y01A and 1/4" gap to 2Y11 to Block wall.</i></p> <p><i>Evaluated using 8 Hz frequency for cabinets</i></p> <p><i>2% Damping Ratio, 1.5 PF</i></p> <p><i>Response Spectrum AB027D2N.dat</i></p> <p><i>A=0.25g</i></p> <p><i><math>D = 2 * (1.5 * 0.25 * 386) / (8 * 2 * 3.14)^2 = 0.11" &lt; 1/4" \text{ OK}</math></i></p> | Yes |
| 5. | <p>Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?</p>  | Yes |
| 6. | <p>Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?</p>   | Yes |

**ATTACHMENT 4**  
**AREA WALK-BY CHECKLIST**

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Status:  Y  N  U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-302

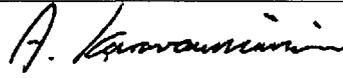
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7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Yes  
*Found a screw driver on floor underneath the charger, although not good housekeeping practices, this is not a seismic concern.*
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

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**Comments**

Evaluated by:



A. Karavoussianis

Date: 11/09/2012



C. Figliolini

11/09/2012

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# ATTACHMENT 4

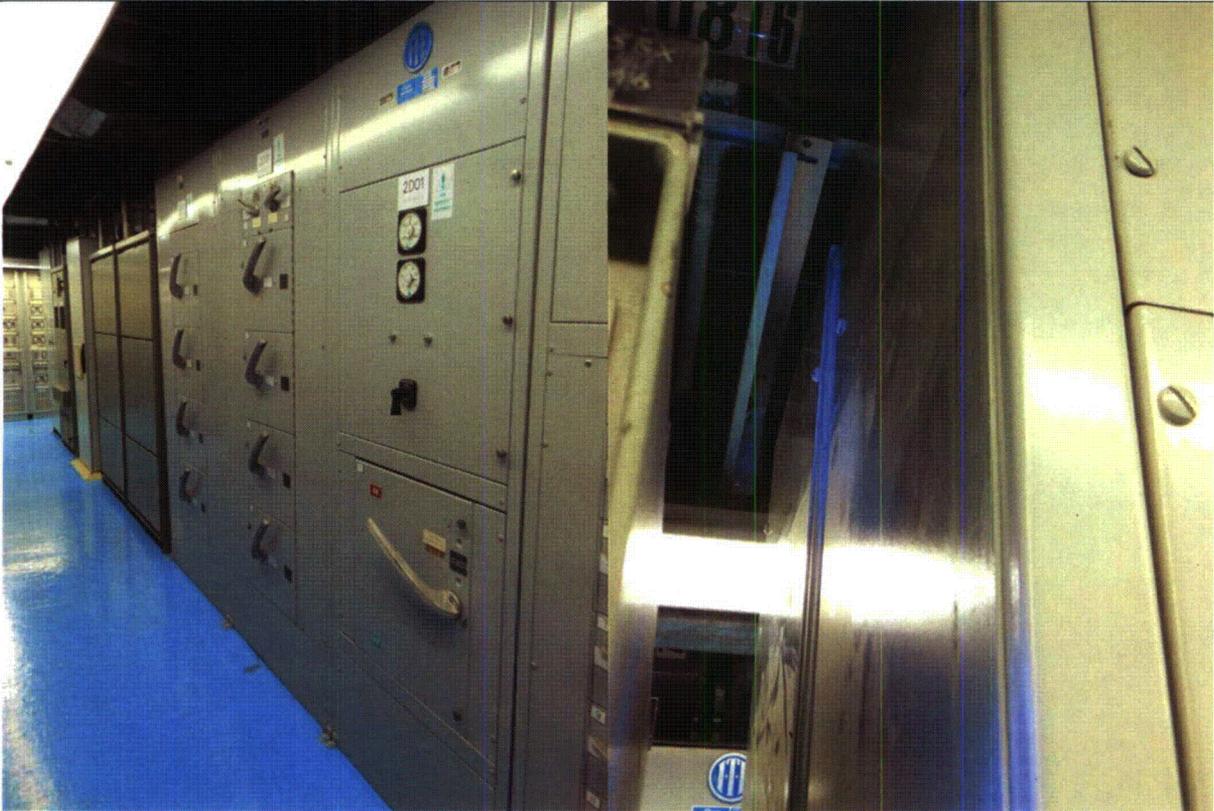
## AREA WALK-BY CHECKLIST

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Status:  Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-302



Area # AUX, 27, CAL-AB-302 8-14-12 015

Area # AUX, 27, CAL-AB-302 8-14-12 017

# ATTACHMENT 4

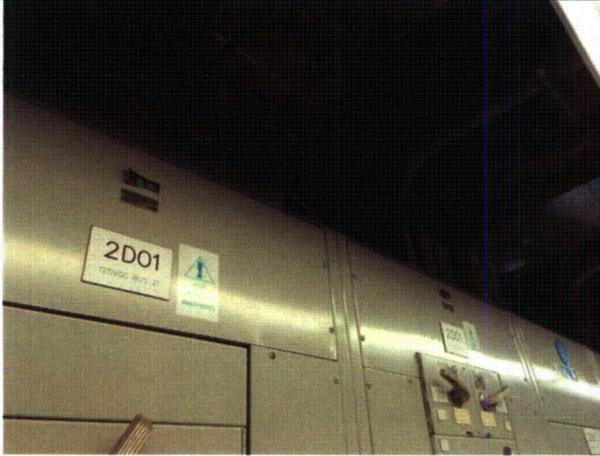
## AREA WALK-BY CHECKLIST

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Status:  Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-302



Area # AUX, 27, CAL-AB-302 8-14-12 018



Area # AUX, 27, CAL-AB-302 8-14-12 019

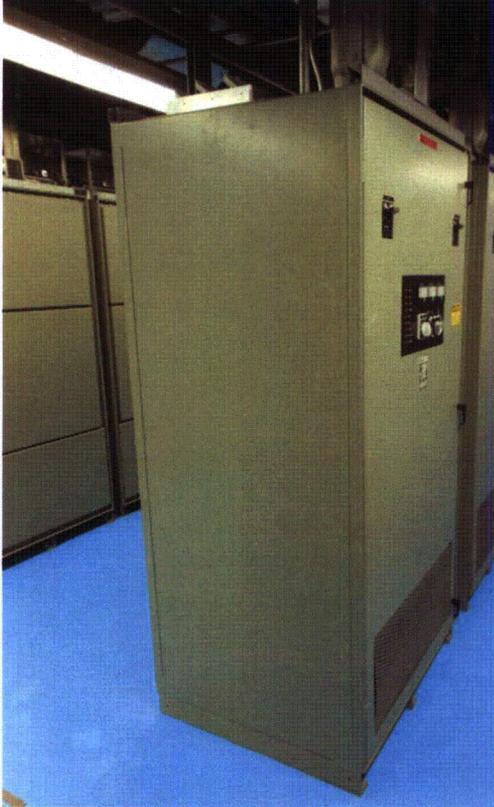
# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

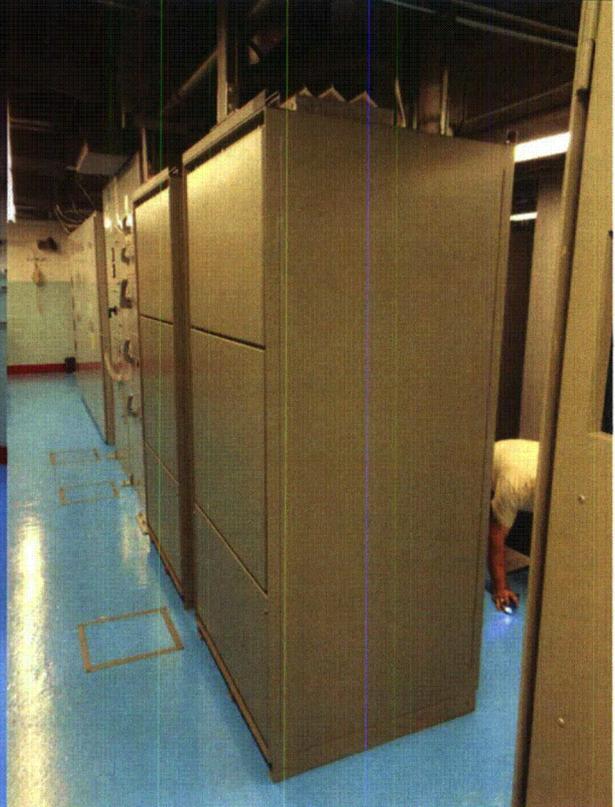
Status:  Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-302



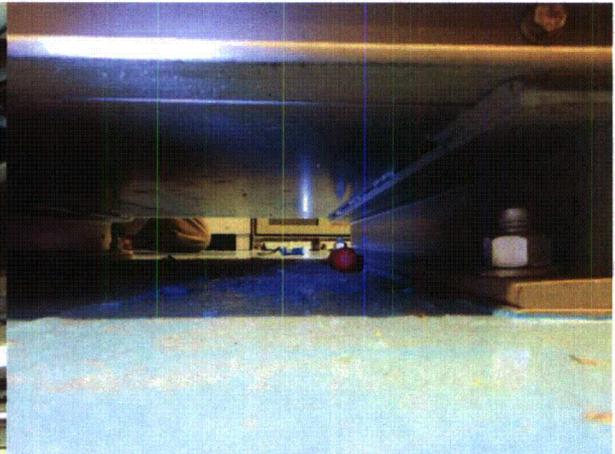
Area # AUX, 27, CAL-AB-302 8-14-12 024



Area # AUX, 27, CAL-AB-302 8-14-12 025



Area # AUX, 27, CAL-AB-302 8-14-12 026



Area # AUX, 27, CAL-AB-302 8-14-12 027

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

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Status:  Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-302



Area # AUX, 27, CAL-AB-302 8-14-12 033



Area # AUX, 27, CAL-AB-302 8-14-12 038

# ATTACHMENT 4

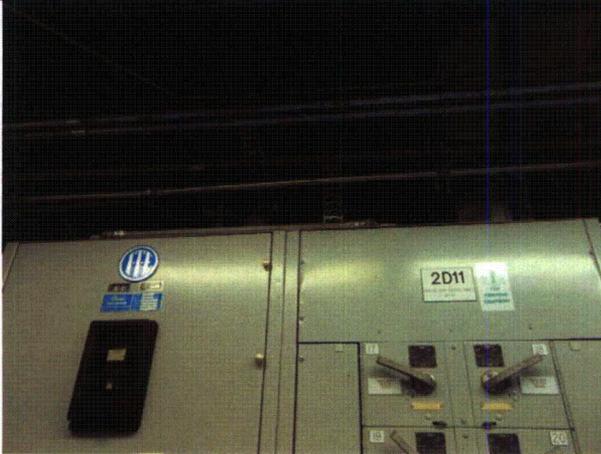
## AREA WALK-BY CHECKLIST

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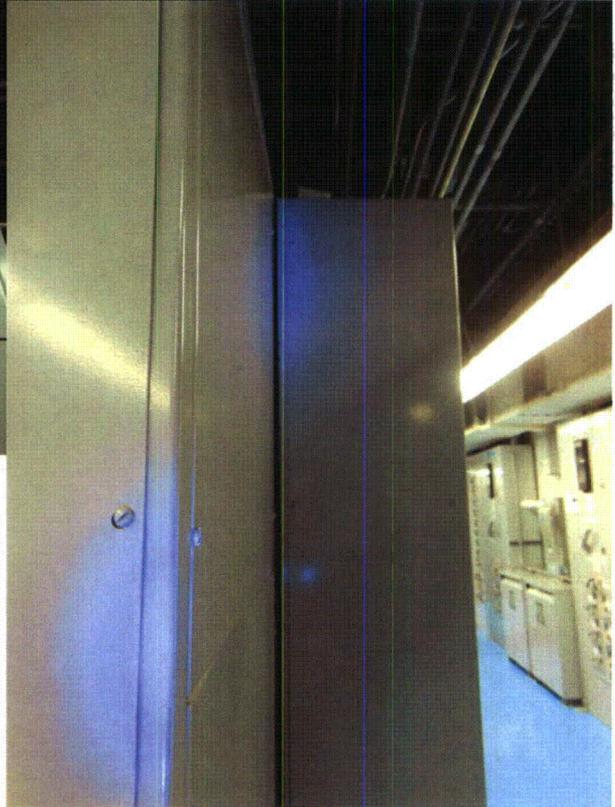
Status:  Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-302



Area # AUX, 27, CAL-AB-302 8-14-12 040



Area # AUX, 27, CAL-AB-302 8-14-12 041

# ATTACHMENT 4

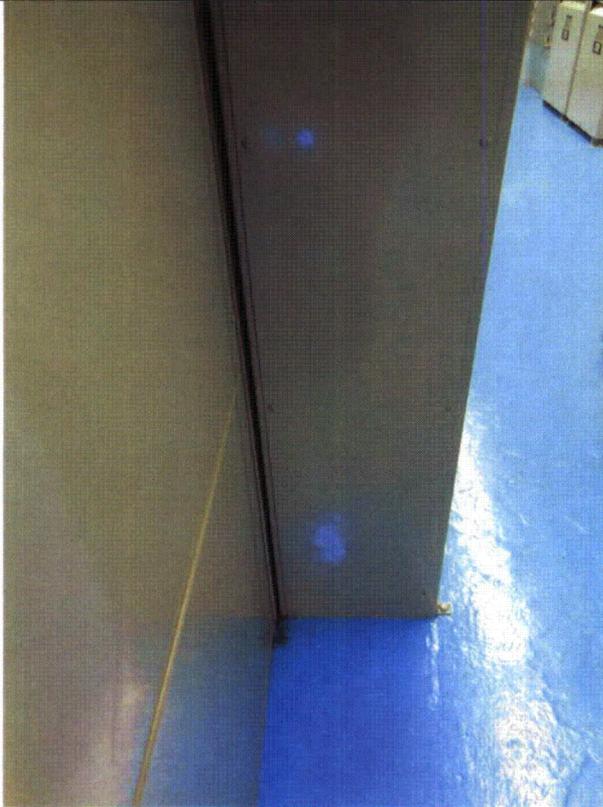
## AREA WALK-BY CHECKLIST

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Status:  Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-302



Area # AUX, 27, CAL-AB-302 8-14-12 042



Area # AUX, 27, CAL-AB-302 8-14-12 045

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

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Status:  Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-302



Area # AUX, 27, CAL-AB-302 8-14-12 046



Area # AUX, 27, CAL-AB-302 8-14-12 093



Area # AUX, 27, CAL-AB-302 8-14-12 094



Area # AUX, 27, CAL-AB-302 8-14-12 095

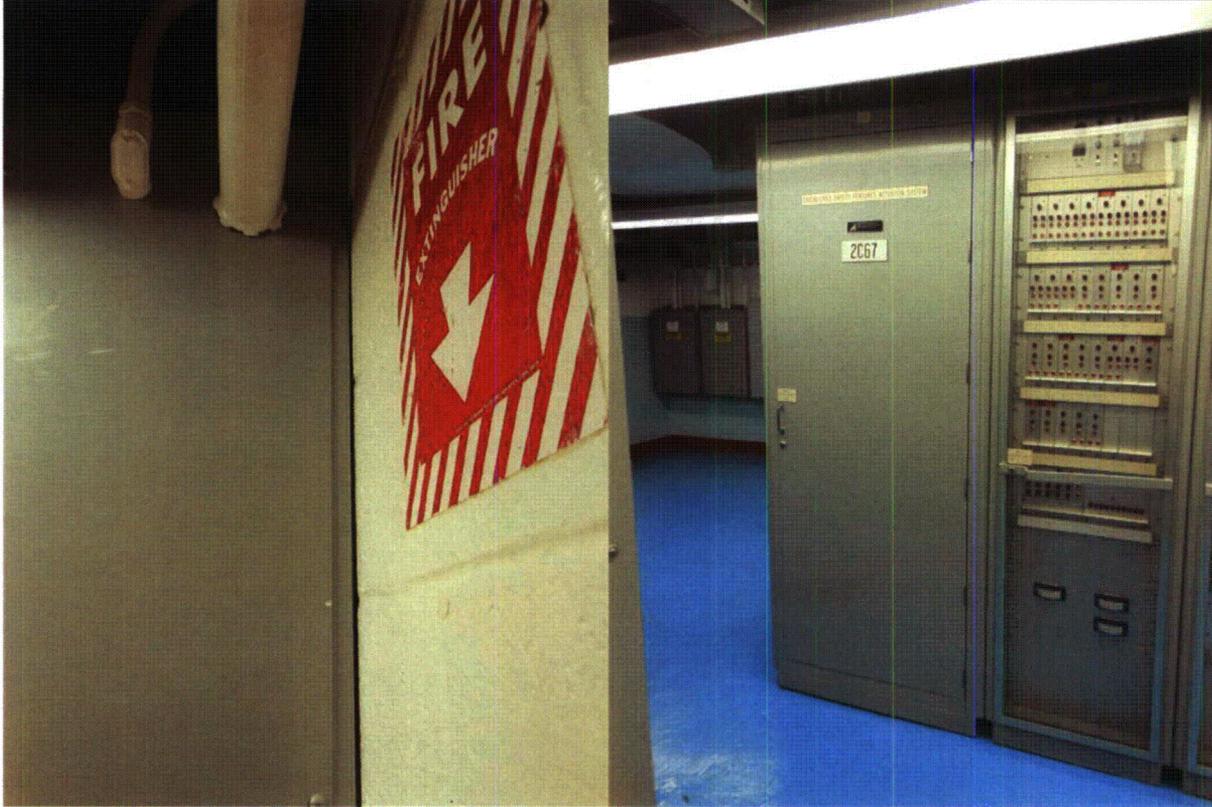
# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

Status:  Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-302



Area # AUX, 27, CAL-AB-302 8-14-12 097

Area # AUX, 27, CAL-AB-302 8-14-12 099

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

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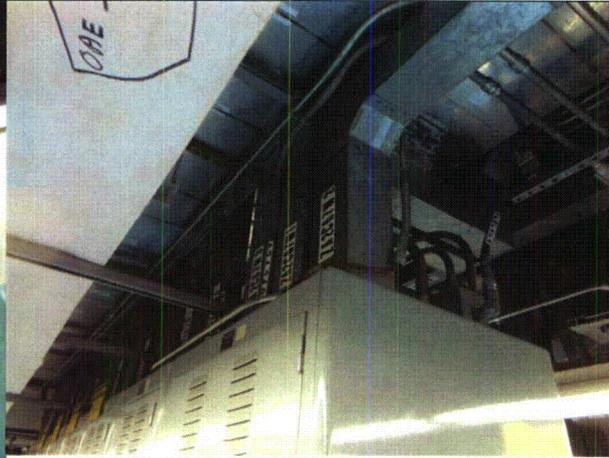
Status:  Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-302



Area # AUX, 27, CAL-AB-302 8-14-12 100



Area # AUX, 27, CAL-AB-302 8-14-12 101

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

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Status:  Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-305

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#### Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

---

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes
  
  2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
  
  3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes
  
  4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Yes
  
  5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
  
  6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes
  
  7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Yes
-

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

Status:  Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-305

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Yes

### Comments

Evaluated by:

*A. Karavoussianis*

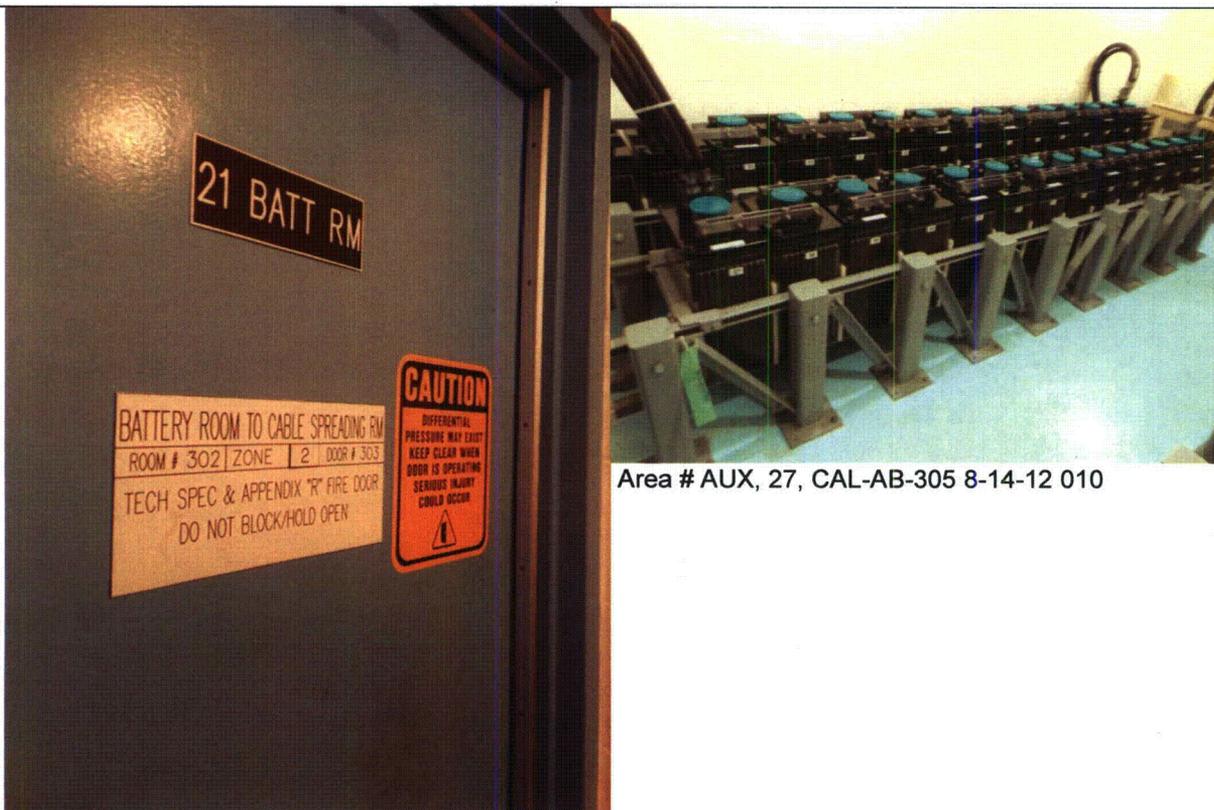
A. Karavoussianis

Date: 11/09/2012

*C. Figliolini*

C. Figliolini

11/09/2012



Area # AUX, 27, CAL-AB-305 8-14-12 010

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

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Status:  Y  N  U

### Area Walk-By Checklist (AWC)

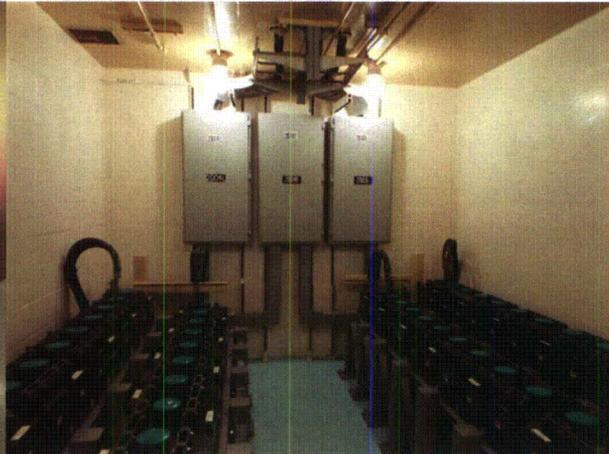
Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-305

Area # AUX, 27, CAL-AB-305 8-14-12 008

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Area # AUX, 27, CAL-AB-305 8-14-12 012



Area # AUX, 27, CAL-AB-305 8-14-12 013

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# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

---

Status:  Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-309

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#### Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

---

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes
  
  2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
  
  3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes
  
  4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Yes
  
  5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes  
*The overhead threaded fire piping is judged to be adequately supported and not a concern for spray or flooding.*
  
  6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes
  
  7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Yes
-

**ATTACHMENT 4**  
**AREA WALK-BY CHECKLIST**

---

Status:  Y  N  U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-309

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8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Yes

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**Comments**

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Evaluated by: *A. Karavoussianis* A. Karavoussianis Date: 11/09/2012

*C. Figliolini*  
C. Figliolini 11/09/2012

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**ATTACHMENT 4**  
**AREA WALK-BY CHECKLIST**

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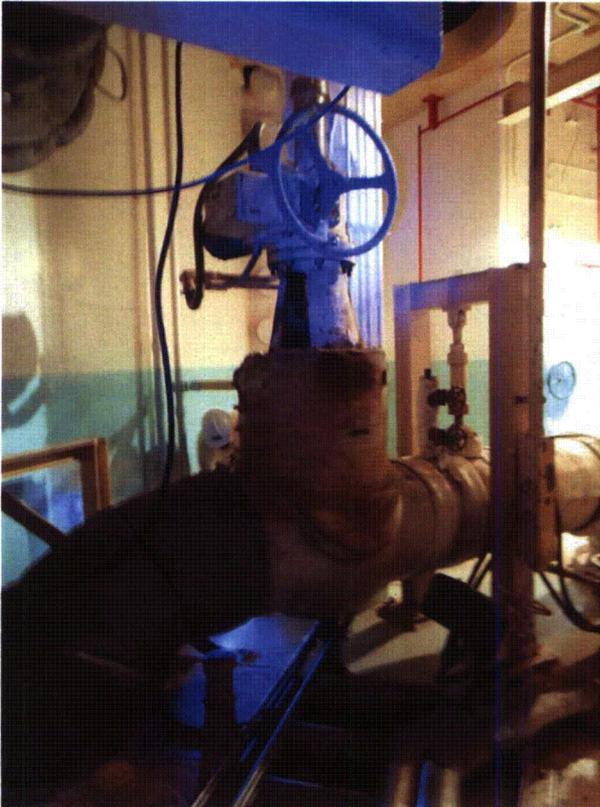
Status:  Y  N  U

**Area Walk-By Checklist (AWC)**

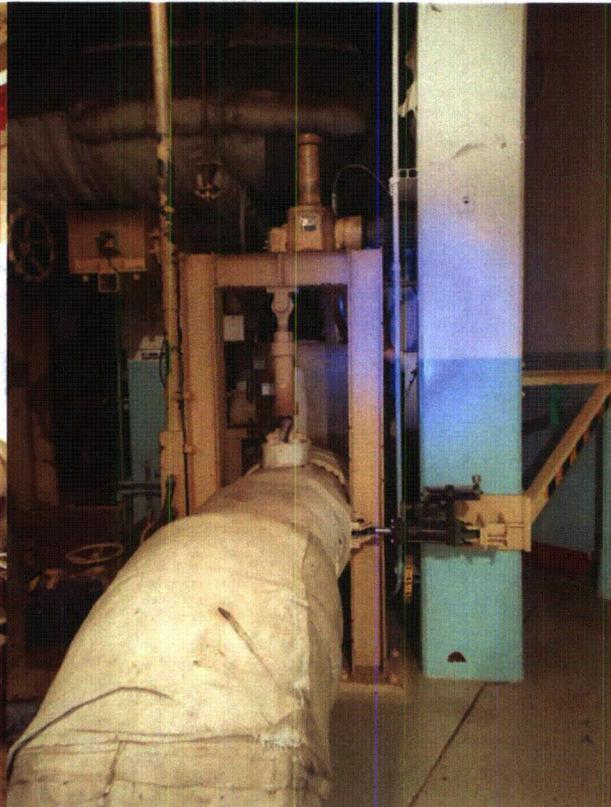
Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-309

Area # AUX, 27, CAL-AB-309 8-9-12 002

Area # AUX, 27, CAL-AB-309 8-9-12 003



Area # AUX, 27, CAL-AB-309 8-9-12 011



Area # AUX, 27, CAL-AB-309 8-9-12 013

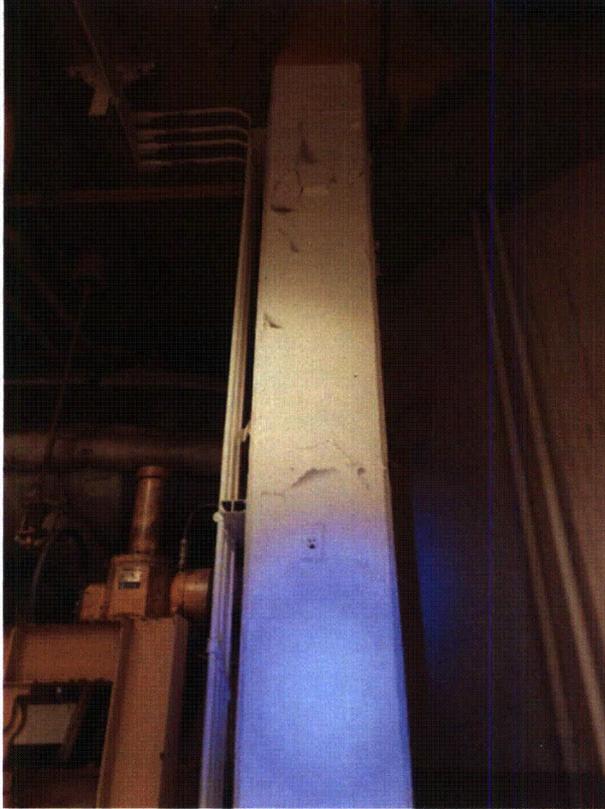
# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

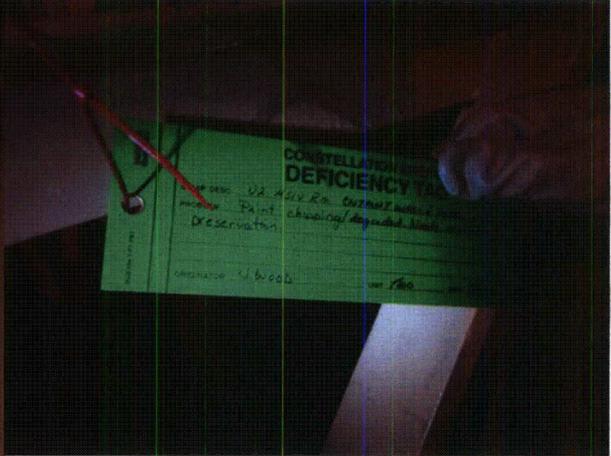
Status:  Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-309



Area # AUX, 27, CAL-AB-309 8-9-12 018



Area # AUX, 27, CAL-AB-309 8-9-12 019

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

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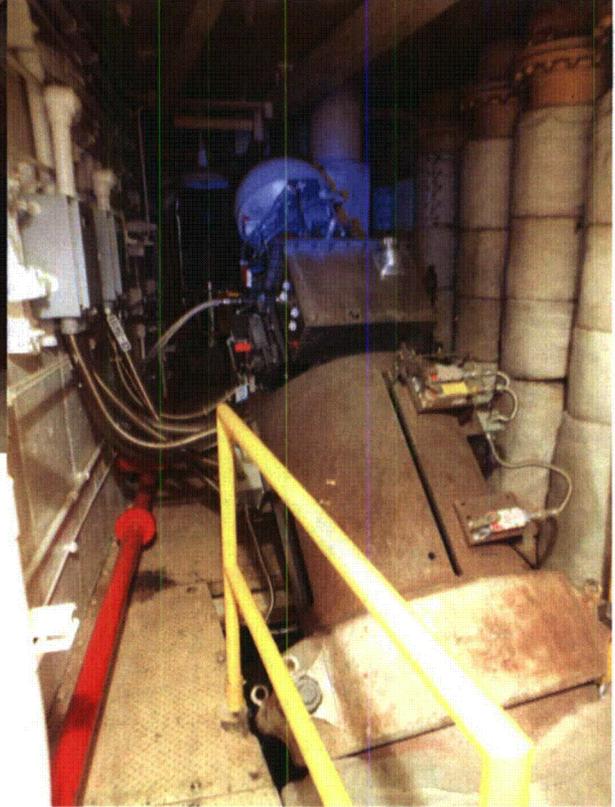
Status:  Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-309



Area # AUX, 27, CAL-AB-309 8-9-12 020



Area # AUX, 27, CAL-AB-309 8-9-12 022

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

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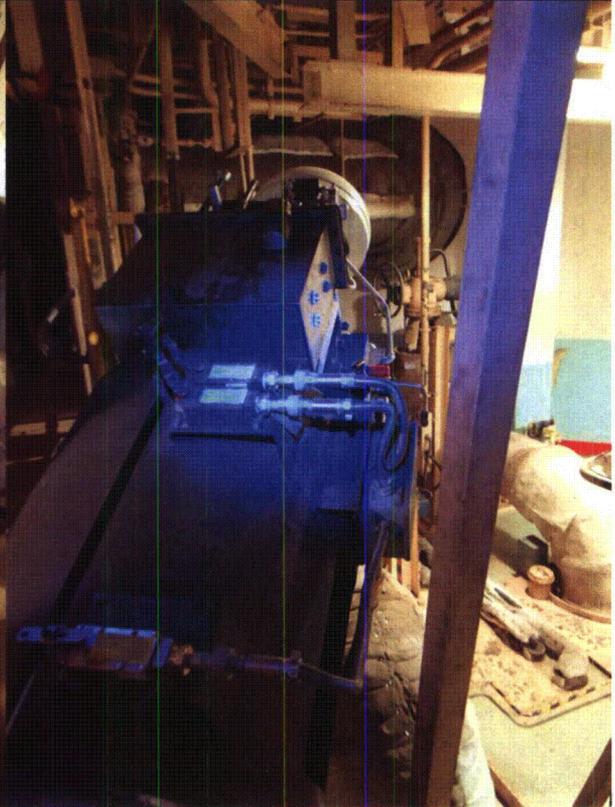
Status:  Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-309



Area # AUX, 27, CAL-AB-309 8-9-12 024



Area # AUX, 27, CAL-AB-309 8-9-12 027

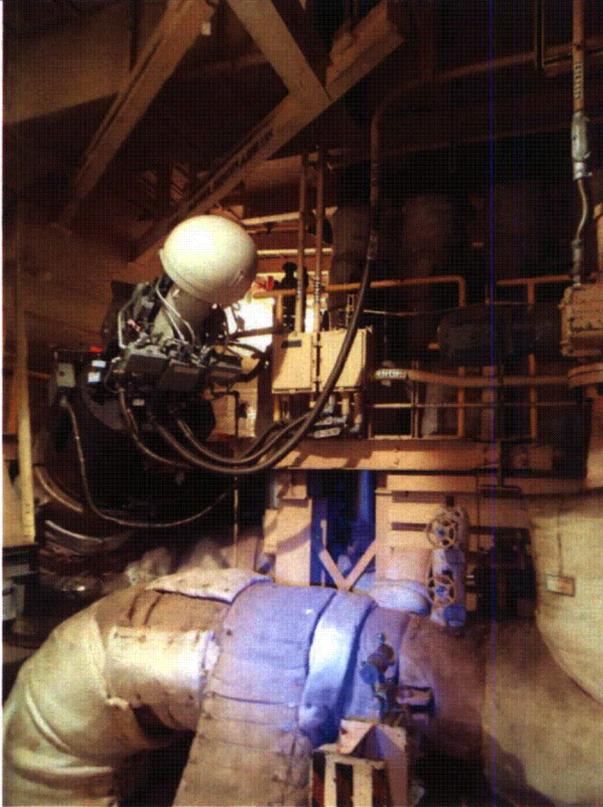
# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

Status:  Y  N  U

### Area Walk-By Checklist (AWC)

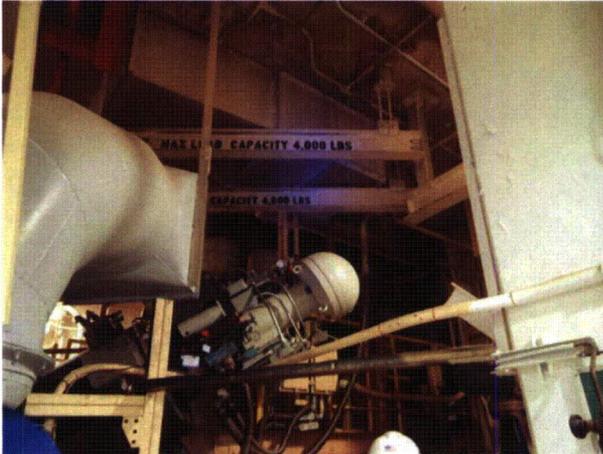
Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-309



Area # AUX, 27, CAL-AB-309 8-9-12 030



Area # AUX, 27, CAL-AB-309 8-9-12 034



Area # AUX, 27, CAL-AB-309 8-9-12 036



Area # AUX, 27, CAL-AB-309 8-9-12 038

# ATTACHMENT 4

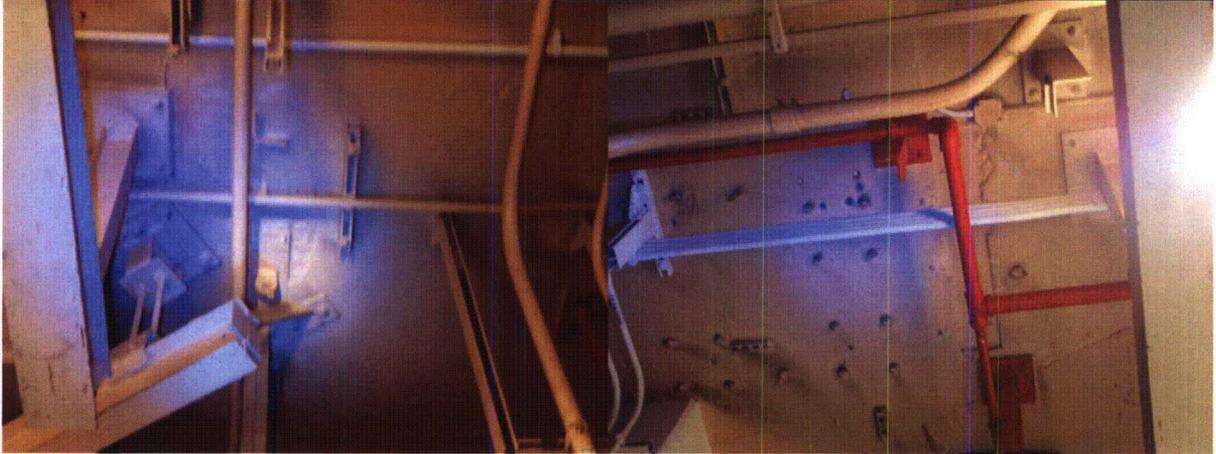
## AREA WALK-BY CHECKLIST

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Status:  Y  N  U

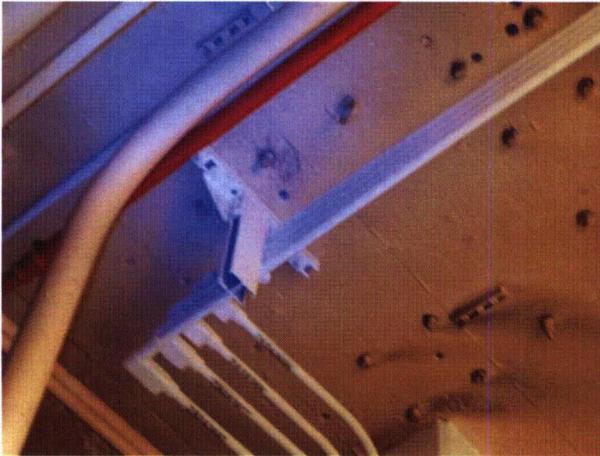
### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-309

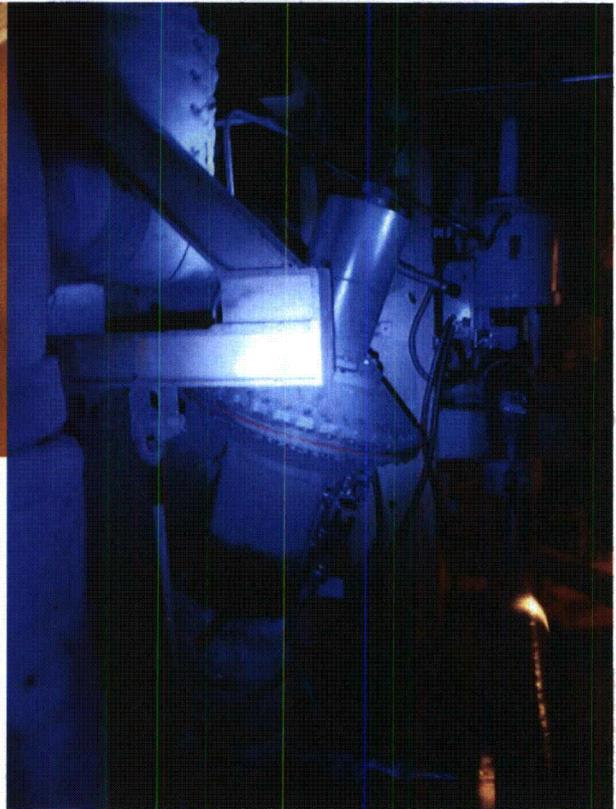


Area # AUX, 27, CAL-AB-309 8-9-12 039

Area # AUX, 27, CAL-AB-309 8-9-12 041



Area # AUX, 27, CAL-AB-309 8-9-12 043



Area # AUX, 27, CAL-AB-309 8-9-12 045

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

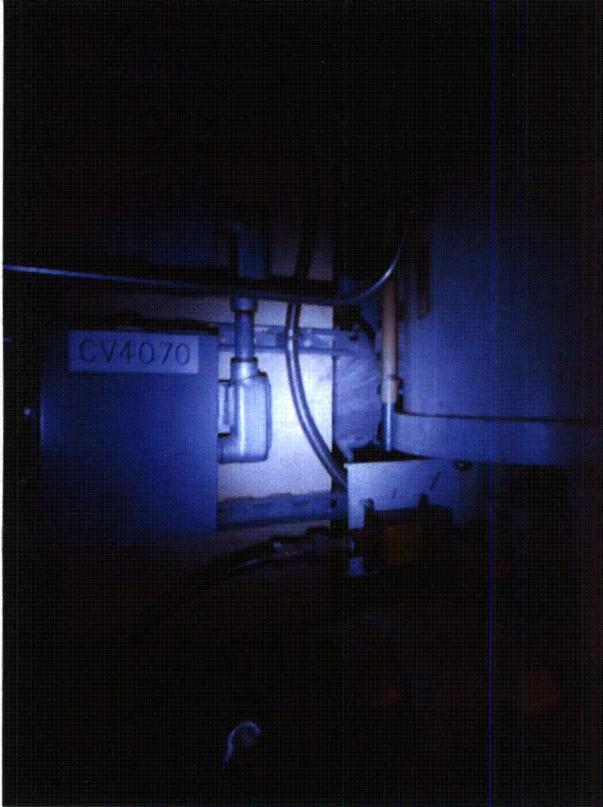
---

Status:  Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-309

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Area # AUX, 27, CAL-AB-309 8-9-12 060

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# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

---

Status:  Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-310

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#### Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

---

- |    |   |     |
|----|---|-----|
| 1. | Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)?  | Yes |
| 2. | Does anchorage of equipment in the area appear to be free of significant degraded conditions?   | Yes |
| 3. | Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? | Yes |
| 4. | Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?<br><i>There are some broken or missing platform gratings clips, but judged not to be a seismic concern.</i>   | Yes |
| 5. | Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?<br><i>The overhead threaded fire piping is judged to be adequately supported and not a concern for spray or flooding.</i>                  | Yes |
| 6. | Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?   | Yes |
| 7. | Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?  | Yes |
-

**ATTACHMENT 4**  
**AREA WALK-BY CHECKLIST**

---

Status:  Y  N  U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-310

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8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

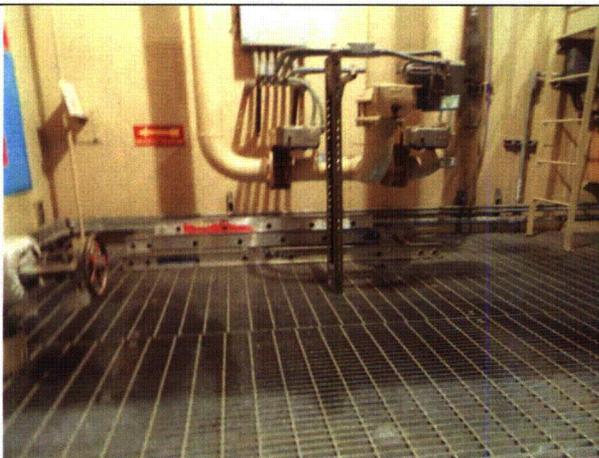
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**Comments**

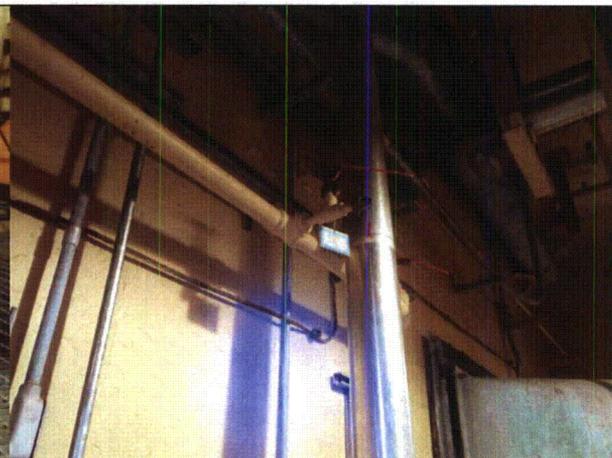
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Evaluated by: *A. Karavoussianis* A. Karavoussianis Date: 11/09/2012

*C. Figliolini* C. Figliolini 11/09/2012



Area # AUX, 27, CAL-AB-310 8-9-12 077



Area # AUX, 27, CAL-AB-310 8-9-12 080

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

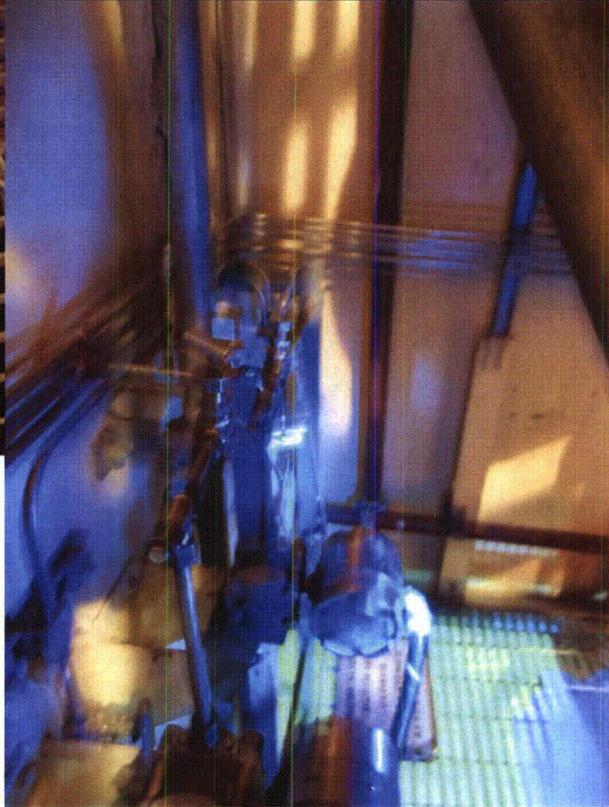
Status:  Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-310



Area # AUX, 27, CAL-AB-310 8-9-12 081



Area # AUX, 27, CAL-AB-310 8-9-12 082



Area # AUX, 27, CAL-AB-310 8-9-12 083

Area # AUX, 27, CAL-AB-310 8-9-12 084

**ATTACHMENT 4**  
**AREA WALK-BY CHECKLIST**

---

Status:  Y  N  U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-310

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Area # AUX, 27, CAL-AB-310 8-9-12 085

---

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

---

Status: Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-311

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#### Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

---

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes

3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes

*Unistrut frames support open ladder type cable trays and some trays are supported on cantilever brackets with hook type end but no clips. Unistrut frames are also braced either knee bracing to the ceiling or back to the wall. Also, there are some cable trays supported on cantilever brackets that are braced back to the walls.*

4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? No

*MCC 2N130 (PRESS HTRS) is 1/2" from a block wall.*

*Evaluated using 8 Hz frequency for cabinets*

*2% Damping Ratio, 1.5 PF*

*Response Spectrum AB027D2N.dat*

*A=0.25g*

*$D = (1.5 \cdot 0.25 \cdot 386) / (8 \times 2 \times 3.14)^2 = 0.06" < 1/2" \text{ OK}$*

*480V Disconnect SW cabinet (2NB104, 116 and 121) is in contact with fire piping. The Fire piping is 3-1/2" outside diameter and spans at 11' between supports and cabinet is approx. centered. The cabinet dimensions are 20" x 60" x 90" high.*

*Evaluation:*

*Assume each cabinet weight is equivalent to an MCC.*

*Per GIP Rev. 2A, Table C.1-1, 800 lbs/cabinet, Total Weight = 1600 lbs*

*Cabinet frequency is estimated at 8 Hz, Response Spectrum AB027D2N.dat,*

*Sa.cabinet = 0.25 g*

---

**ATTACHMENT 4**  
**AREA WALK-BY CHECKLIST**

---

Status: Y  N  U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-311

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*Properties of 3" pipe (3.5" OD):*

*Full Weight = 10.78 lbs/ft*

*I = 3.017 in<sup>4</sup>, S = 1.724 in<sup>3</sup>*

*Support Spacing = 11 ft.*

*Frequency of simply support pipe, f = 5.55 Hz*

*Piping damping of 0.5%, Response Spectrum AB027DHN.dat, Sa.piping = 0.3 g*

*Max. Moment = 1149 Lbs\*ft, Max. Stress = 8.00 ksi*

*Consider the use of black pipe which is typical A-53. A-53 pipe has an allowable stress of 16 ksi at ambient, therefore the fire pipe will not be affect by the cabinet. Not a seismic concern*

*There is a tool hanging on RCP 22A P01 (Trip sensitive Equipment) may be banging on cabinet during a seismic event, this is a potential problem. CR-2012-08676*

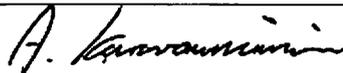
- |    |  |     |
|----|--|-----|
| 5. | Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?<br><i>The overhead threaded fire piping is judged to be adequately supported and not a concern for spray or flooding.</i>   | Yes |
| 6. | Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?  | Yes |
| 7. | Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?<br><i>The equipment that is stored in the storage area will roll into each other, but not into cabinet RCP 22AP01, therefore not a concern. However it is recommended that better tie offs to provided.</i> | Yes |
| 8. | Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?   | Yes |

---

**Comments**

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Evaluated by:



A. Karavoussianis

Date: 11/09/2012

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# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

---

Status: Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-311

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C. Figliolini

11/09/2012

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Area # AUX, 27, CAL-AB-311 8-15-12 142



Area # AUX, 27, CAL-AB-311 8-15-12 143

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

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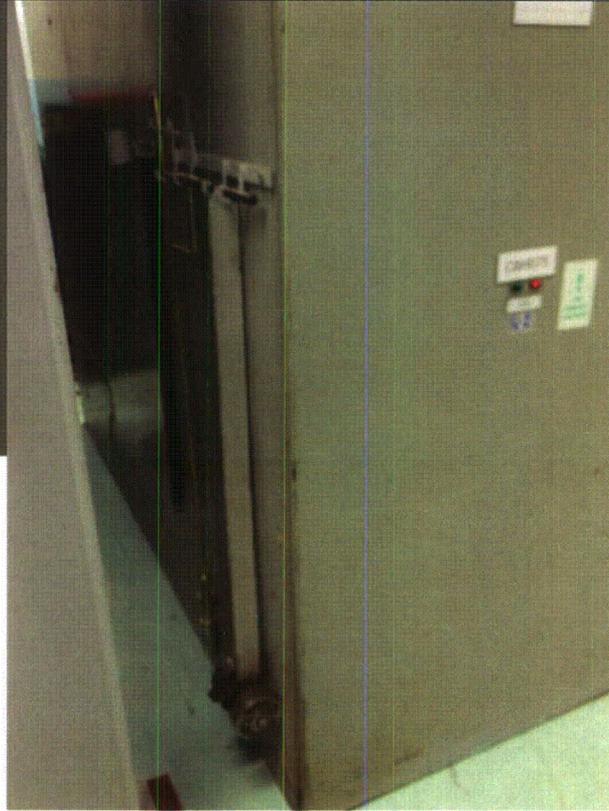
Status: Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-311



Area # AUX, 27, CAL-AB-311 8-15-12 144



Area # AUX, 27, CAL-AB-311 8-15-12 145

# ATTACHMENT 4

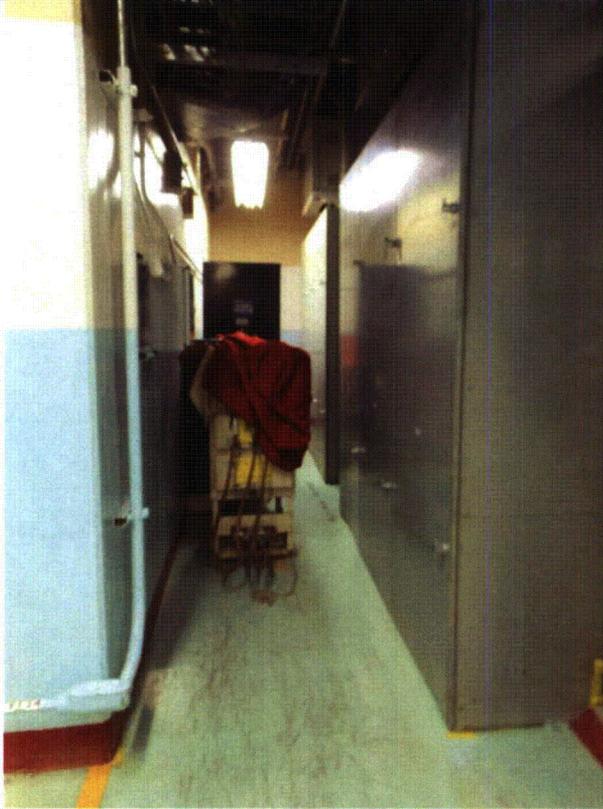
## AREA WALK-BY CHECKLIST

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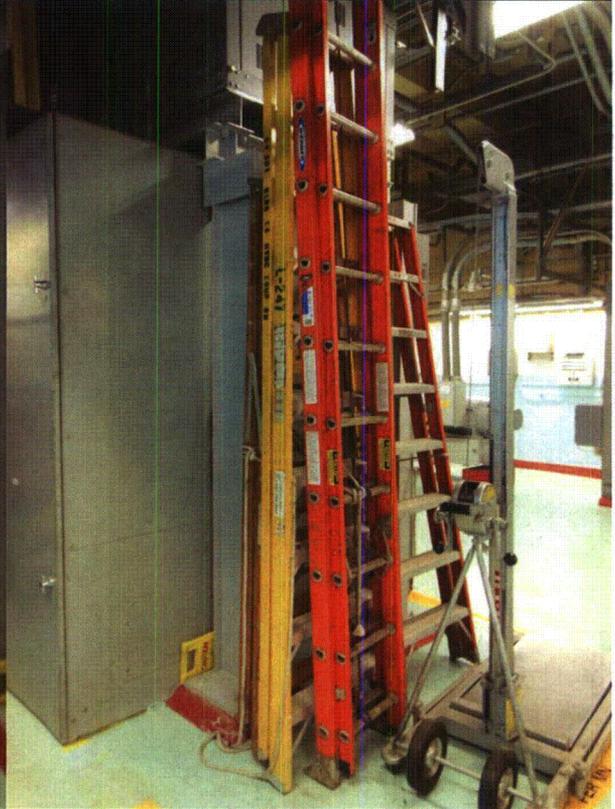
Status: Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-311



Area # AUX, 27, CAL-AB-311 8-15-12 146



Area # AUX, 27, CAL-AB-311 8-15-12 147

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

Status: Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-311



Area # AUX, 27, CAL-AB-311 8-15-12 148



Area # AUX, 27, CAL-AB-311 8-15-12 149

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

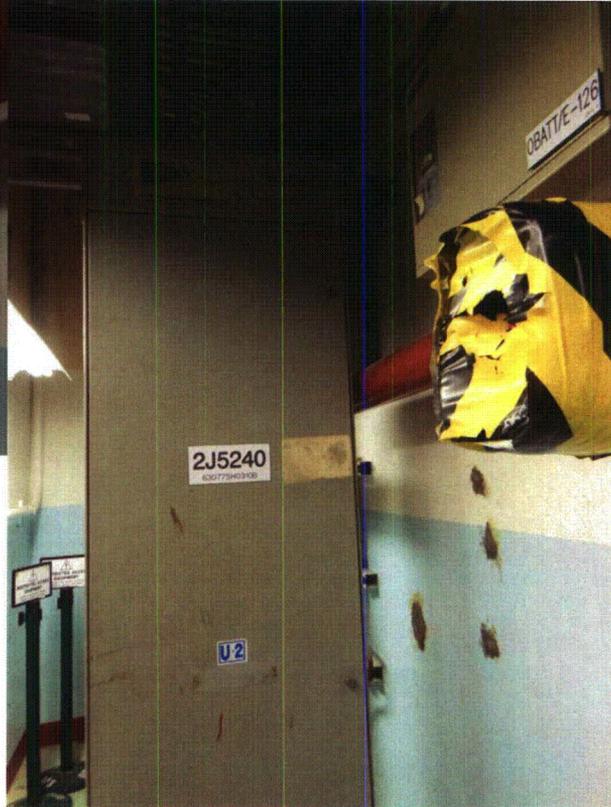
Status: Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-311



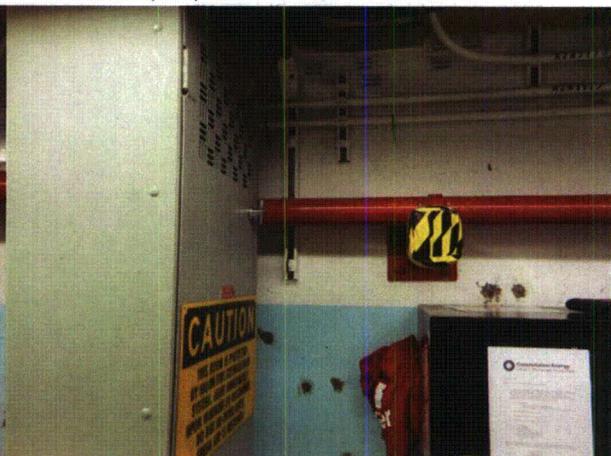
Area # AUX, 27, CAL-AB-311 8-15-12 150



Area # AUX, 27, CAL-AB-311 8-15-12 151



Area # AUX, 27, CAL-AB-311 8-15-12 152



Area # AUX, 27, CAL-AB-311 8-15-12 153

**ATTACHMENT 4**  
**AREA WALK-BY CHECKLIST**

---

Status: Y  N  U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): Area : AUX, 27, CAL-AB-311



Area # AUX, 27, CAL-AB-311 8-15-12 154



Area # AUX, 27, CAL-AB-311 8-15-12 155



Area # AUX, 27, CAL-AB-311 8-15-12 156



Area # AUX, 27, CAL-AB-311 8-15-12 157



Area # AUX, 27, CAL-AB-311 8-15-12 158



Area # AUX, 27, CAL-AB-311 8-15-12 159

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

---

Status:  Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-405

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#### Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

---

- |    |  |     |
|----|--|-----|
| 1. | Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)?   | Yes |
| 2. | Does anchorage of equipment in the area appear to be free of significant degraded conditions?  | Yes |
| 3. | Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)?  | Yes |
| 4. | Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?<br><i>Masonry block walls, identified as D, E, F, G, H, Q, S, Y, Z and AA on drawing A-259, are safety-related and thus seismically rated per IE Bulletin 80-11.</i><br><i>Observed trash and recycling bins, but bins are light weight therefore they are not a seismic concern.</i><br><i>A conference room with chairs is bound by a cabinet that does not actuate equipment, therefore it is not a seismic concern.</i><br><i>10/3/12 - The control room ceiling has been previously evaluated by CCNPP and was determined to not be a credible seismic concern.</i> | Yes |
| 5. | Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?   | Yes |
| 6. | Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?  | Yes |
-

**ATTACHMENT 4**  
**AREA WALK-BY CHECKLIST**

Status:  Y  N  U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-405

7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Yes
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

**Comments**

Evaluated by: *A. Karavoussianis* A. Karavoussianis Date: 11/09/2012

*C. Figliolini* C. Figliolini 11/09/2012



Area # AUX, 45, CAL-AB-405 8-14-12 188

Area # AUX, 45, CAL-AB-405 8-14-12 189

**ATTACHMENT 4**  
**AREA WALK-BY CHECKLIST**

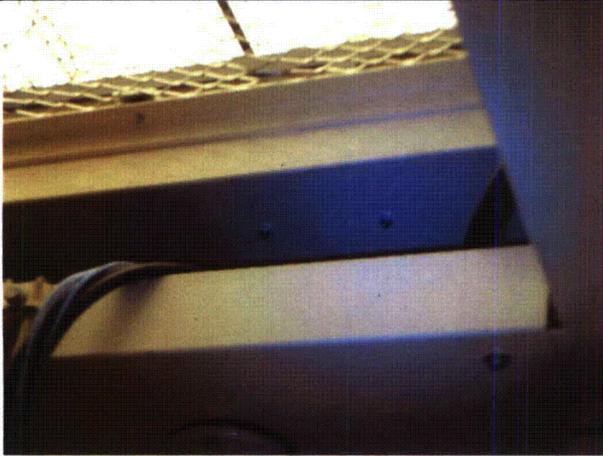
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Status:  Y  N  U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-405

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Area # AUX, 45, CAL-AB-405 8-14-12 190

---

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

---

Status:  Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-407

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#### Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

---

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes
  
  2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
  
  3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes  
*There are open ladder type and regular cable trays that are support similar to those in the other SWGR rooms. Judged not to be a seismic concern.*
  
  4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Yes
  
  5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes
  
  6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes
  
  7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Yes
-

**ATTACHMENT 4**  
**AREA WALK-BY CHECKLIST**

---

Status:  Y  N  U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-407

---

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Yes

---

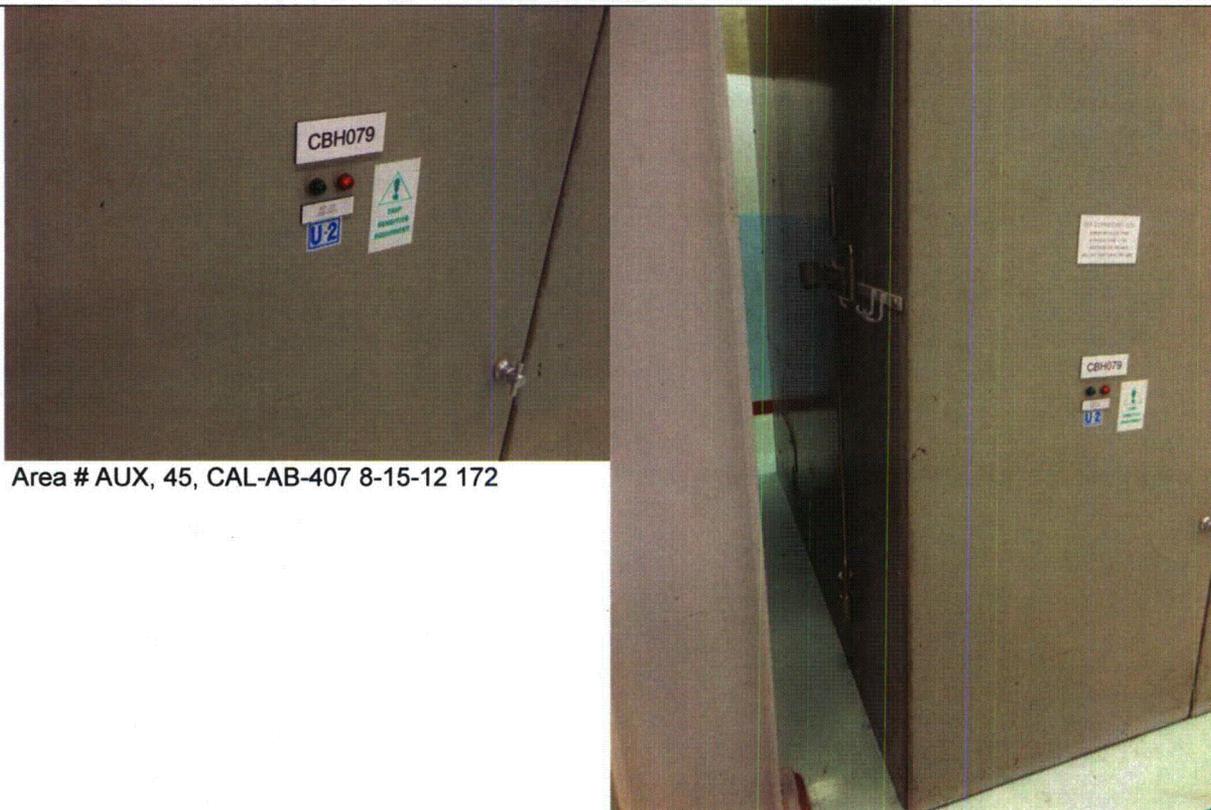
**Comments**

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Evaluated by: *A. Karavoussianis* A. Karavoussianis Date: 11/09/2012

*C. Figliolini* C. Figliolini Date: 11/09/2012

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Area # AUX, 45, CAL-AB-407 8-15-12 172

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

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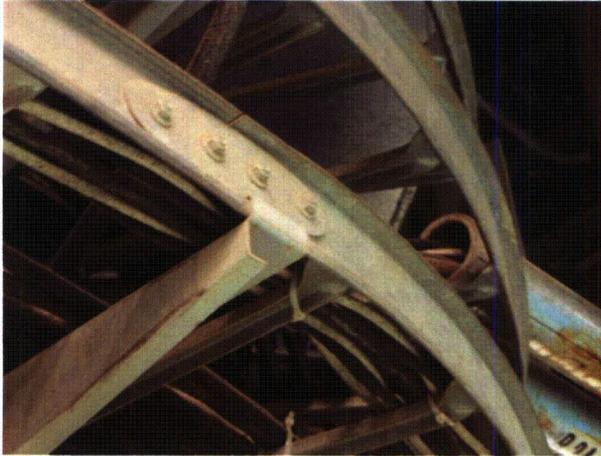
Status:  Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-407

Area # AUX, 45, CAL-AB-407 8-15-12 173

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Area # AUX, 45, CAL-AB-407 8-15-12 174



Area # AUX, 45, CAL-AB-407 8-15-12 175

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# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

---

Status: Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-408

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#### Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

---

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes
  
  2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes
  
  3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes
  
  4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Yes
  
  5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes  
*There is overhead threaded fire piping with Victaulic couplings on vertical risers. The FP is judged to be adequately supported and not a concern for spray or flooding.*
  
  6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes
  
  7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? No
-

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

---

Status: Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-408

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*There is a cart with wheels locked, good seismic practice.*

*There are portable filters that are not restrained, however the filters are far enough from equipment, therefore not a seismic concern.*

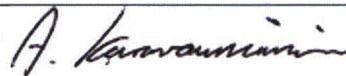
*There is scaffold part staging behind valve 2MS-3938-CV. The staging consist of racks those seismic adequacy is questionable. The racks may move and strike a drain line and MSS valves enclosure, therefore a potential seismic concern. CR-2012-009724*

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

---

### Comments

Evaluated by:



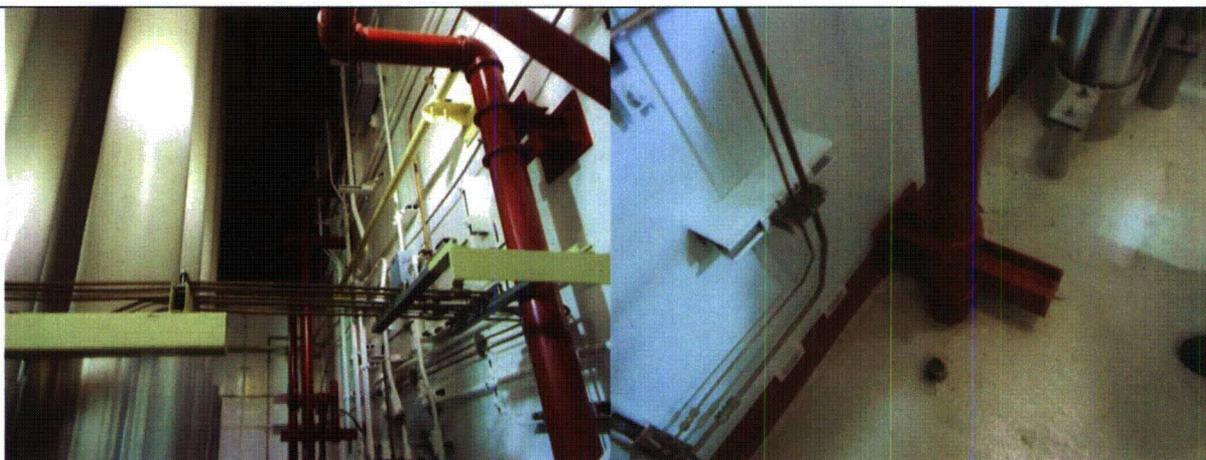
A. Karavoussianis

Date: 11/09/2012



C. Figliolini

11/09/2012



Area # AUX, 45, CAL-AB-408 8-8-12 144

Area # AUX, 45, CAL-AB-408 8-8-12 145

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

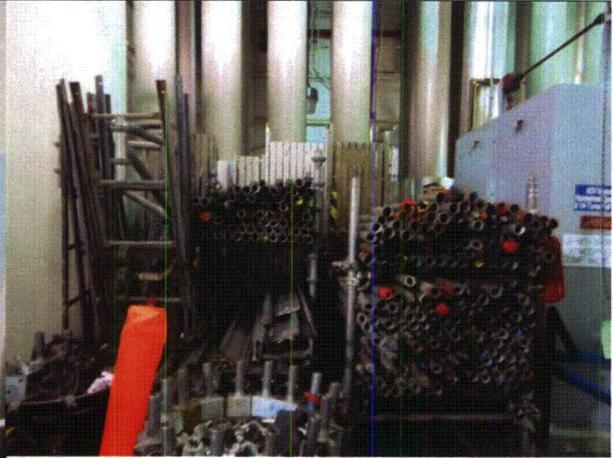
Status: Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-408



Area # AUX, 45, CAL-AB-408 8-8-12 147



Area # AUX, 45, CAL-AB-408 8-8-12 148

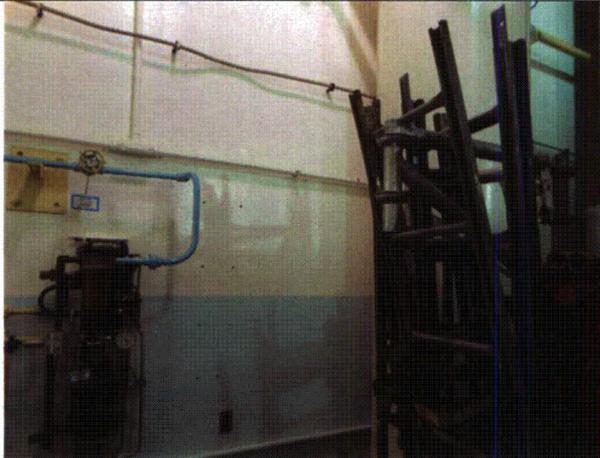
# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

Status: Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-408



Area # AUX, 45, CAL-AB-408 8-8-12 149



Area # AUX, 45, CAL-AB-408 8-8-12 150

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

---

Status: Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-408

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Area # AUX, 45, CAL-AB-408 8-8-12 153

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# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

---

Status: Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-409

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#### Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

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1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes
  
  2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? No  
*There is a crack in the wall that runs through a fire protection panel's anchor bolt and conduit supports. This is a potential seismic concern and needs to be evaluated. CR-2012-009757*
  
  3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes
  
  4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Yes  
*Observed a overhead roof drain piping with Victaulic coupling. Drain piping is normally empty and therefore judged not to be a credible seismic hazard.*
  
  5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes  
*Observed fire protection piping with threaded connections. The threaded fire piping is judged to be adequately supported and not a concern for spray or flooding.*
  
  6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes
  
  7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Yes
-

**ATTACHMENT 4**  
**AREA WALK-BY CHECKLIST**

Status: Y  N  U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-409

*Tool cart was found with its wheels not locked and too close to vertical cable tray's fire proof material. Cart may roll into fire proof material and damage it, but it is not a seismic concern.*

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

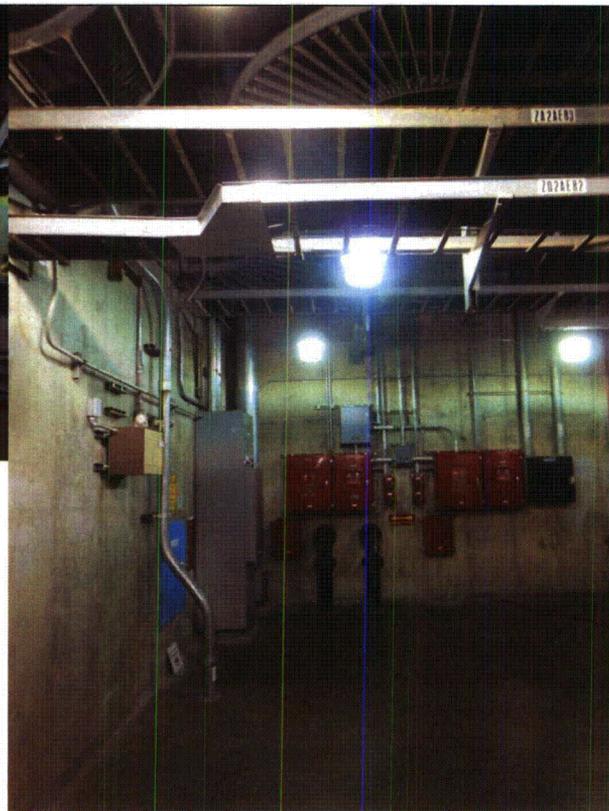
**Comments**

Evaluated by: *A. Karavoussianis* A. Karavoussianis Date: 11/09/2012

*C. Figliolini* C. Figliolini 11/09/2012



Area # AUX, 45, CAL-AB-409 8-7-12 054



# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

Status: Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-409

Area # AUX, 45, CAL-AB-409 8-7-12 055



Area # AUX, 45, CAL-AB-409 8-7-12 056

Area # AUX, 45, CAL-AB-409 8-7-12 057



Area # AUX, 45, CAL-AB-409 8-7-12 058

Area # AUX, 45, CAL-AB-409 8-7-12 059

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

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Status: Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-409

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Area # AUX, 45, CAL-AB-409 8-7-12 060

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# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

---

Status: Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-414

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#### Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

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- |    |   |     |
|----|---|-----|
| 1. | Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)?  | Yes |
| 2. | Does anchorage of equipment in the area appear to be free of significant degraded conditions?   | Yes |
| 3. | Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? | Yes |
| 4. | Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)?   | Yes |
| 5. | Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?<br><i>The overhead threaded fire piping is judged to be adequately supported and not a concern for spray or flooding.</i>                  | Yes |
| 6. | Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?   | Yes |
| 7. | Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)?  | No  |
-

**ATTACHMENT 4**  
**AREA WALK-BY CHECKLIST**

---

Status: Y  N  U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-414

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*Observed a tool cart with its wheel locked, there judge seismically acceptable.*

*Unsupported measurement pole resting against wall near MCC, pole may fall and strike the MCC, therefore a potential seismic hazard. CR-2012-008679*

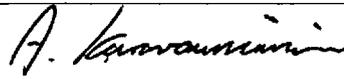
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?

Yes

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**Comments**

Evaluated by:



A. Karavoussianis

Date: 11/09/2012

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C. Figliolini

11/09/2012

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# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

Status: Y  N  U

### Area Walk-By Checklist (AWC)

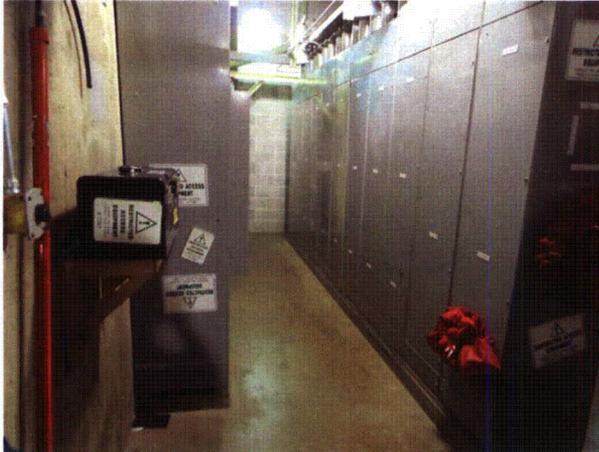
Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-414



Area # AUX, 45, CAL-AB-414 8-7-12 074



Area # AUX, 45, CAL-AB-414 8-7-12 075



Area # AUX, 45, CAL-AB-414 8-7-12 076



Area # AUX, 45, CAL-AB-414 8-7-12 078

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

Status: Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-416

#### Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes
  
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? No  
*Air receiver anchorage is not full seated on the concrete pad. Some anchors have 1/16" -3/16" gap, this is a potential seismic concern. CR-2012-009782*
  
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes  
*A cable runs between two conduits that are supported on either side of the building gap. Support distance approximately 12". The cable is grounding wire with adequate flexibility, therefore not a seismic concern.*
  
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Yes  
*There is an overhead light over the equipment.  
10/3/12 - Overhead lights were deemed not a credible seismic concern due to their lightweight and to typical construction practices. Also, they have been previously evaluated by CCNPP and found seismically acceptable.*  
*There are Victaulic couplings on fire piping that is rod hung with one and 2 way supports in the middle of the room. The fire piping is judged to be adequately supported and not a seismic concern.*
  
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes  
*The overhead threaded fire piping is judged to be adequately supported and not a concern for spray or flooding.*
  
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

**ATTACHMENT 4**  
**AREA WALK-BY CHECKLIST**

---

Status: Y  N  U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-416

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7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Yes
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

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**Comments**

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Evaluated by:  A. Karavoussianis Date: 11/09/2012

 C. Figliolini 11/09/2012

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# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

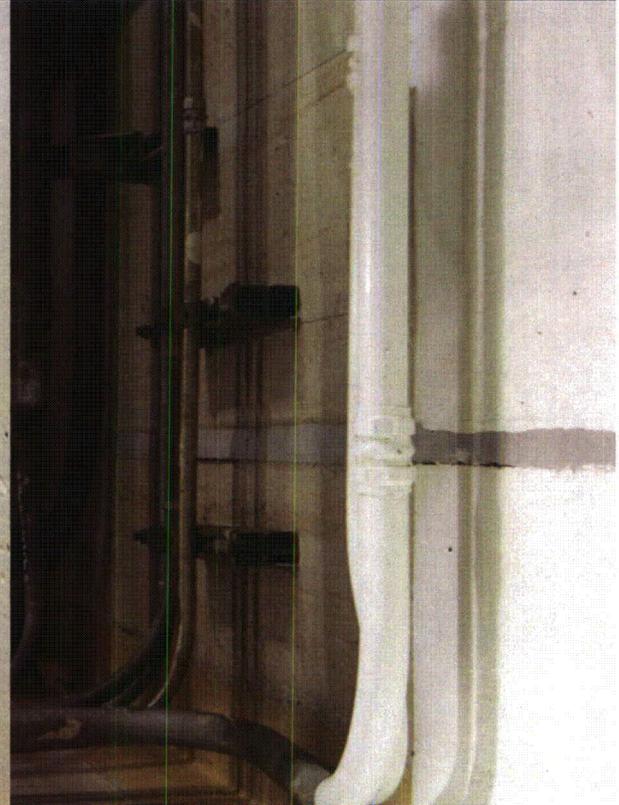
Status: Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-416



Area # AUX, 45, CAL-AB-416 8-13-12 066



Area # AUX, 45, CAL-AB-416 8-13-12 067



Area # AUX, 45, CAL-AB-416 8-13-12 069



Area # AUX, 45, CAL-AB-416 8-13-12 070

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

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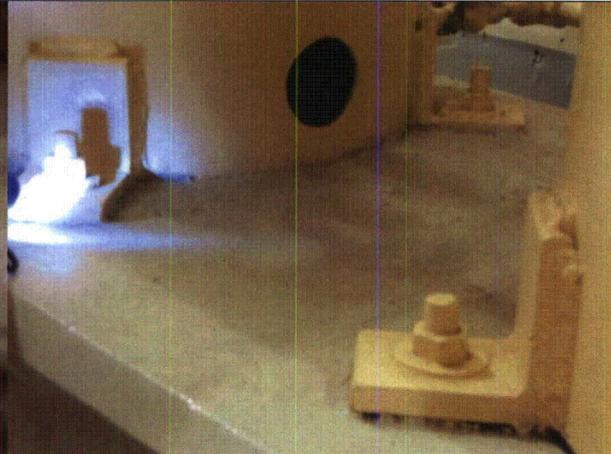
Status: Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-416



Area # AUX, 45, CAL-AB-416 8-13-12 071



Area # AUX, 45, CAL-AB-416 8-13-12 072



Area # AUX, 45, CAL-AB-416 8-13-12 073

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

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Status: Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-422

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#### Instructions for Completing Checklist

This checklist may be used to document the results of the Area Walk-By near one or more SWEL items. The space below each of the following questions may be used to record the results of judgments and findings. Additional space is provided at the end of this checklist for documenting other comments.

---

1. Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? No  
*Air receiver anchorage is not full seated on the concrete pad. The base plate has 1/16" -3/16" gap, this is a potential seismic concern. CR-2012-009782*
  
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? No  
*DG concrete pad has cracks that need to be evaluated and are a potential seismic concern. CR-2012-009785*
  
3. Based on a visual inspection from the floor, do the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions (e.g., condition of supports is adequate and fill conditions of cable trays appear to be inside acceptable limits)? Yes
  
4. Does it appear that the area is free of potentially adverse seismic spatial interactions with other equipment in the area (e.g., ceiling tiles and lighting)? Yes  
*There is a megaphone speaker anchored by 2 bolts over SRW valves, judged not to be a seismic concern.*  
  
*Overhead light between 2CG2A, B1C and over DG tubing.*  
*10/3/12 - Overhead lights were deemed not a credible seismic concern due to their lightweight and typical construction practices. Also, they have been previously evaluated by CCNPP and found seismically acceptable.*
  
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes  
*The overhead threaded fire piping is judged to be adequately supported and not a concern for spray or flooding.*
  
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes

**ATTACHMENT 4**  
**AREA WALK-BY CHECKLIST**

---

Status: Y  N  U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-422

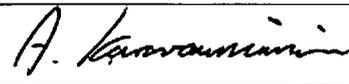
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7. Does it appear that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations (e.g., scaffolding, lead shielding)? Yes
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Yes

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**Comments**

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Evaluated by:  A. Karavoussianis Date: 11/09/2012

 11/09/2012

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# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

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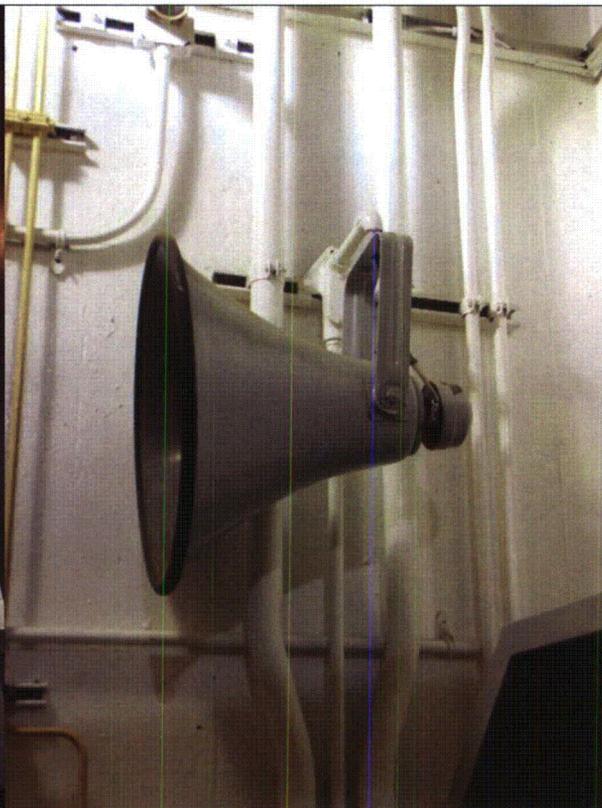
Status: Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-422



Area # AUX, 45, CAL-AB-422 8-13-12 240



Area # AUX, 45, CAL-AB-422 8-13-12 241

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

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Status: Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-422



Area # AUX, 45, CAL-AB-422 8-13-12 242

Area # AUX, 45, CAL-AB-422 8-13-12 243

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

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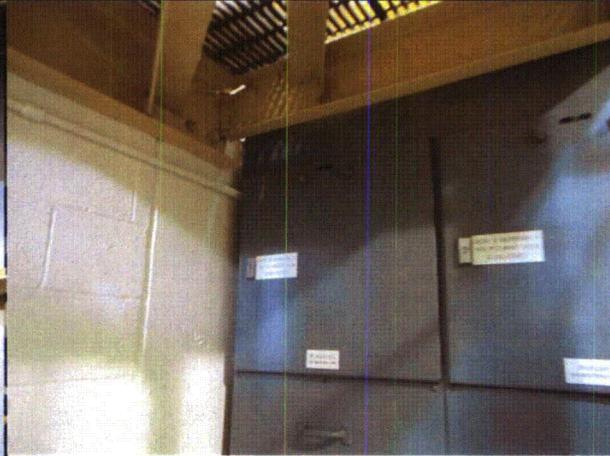
Status: Y  N  U

### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-422



Area # AUX, 45, CAL-AB-422 8-13-12 244



Area # AUX, 45, CAL-AB-422 8-13-12 245

# ATTACHMENT 4

## AREA WALK-BY CHECKLIST

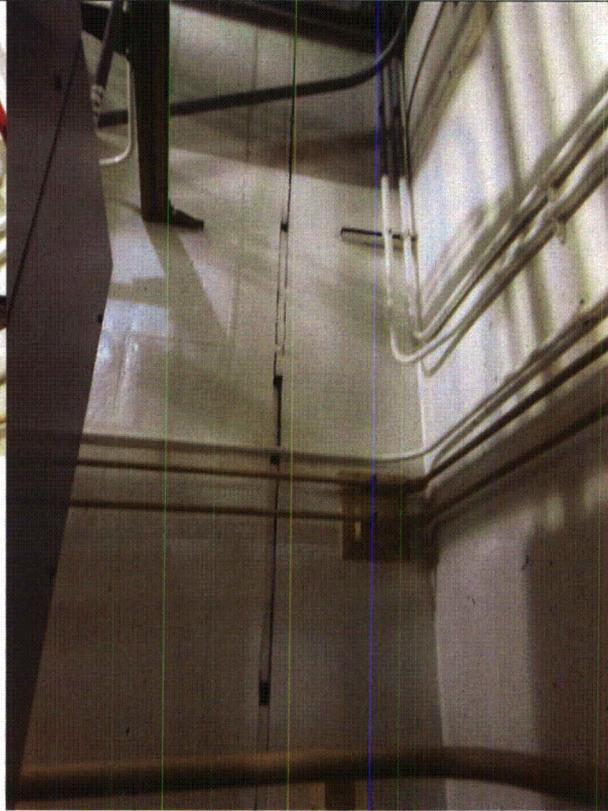
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### Area Walk-By Checklist (AWC)

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-422



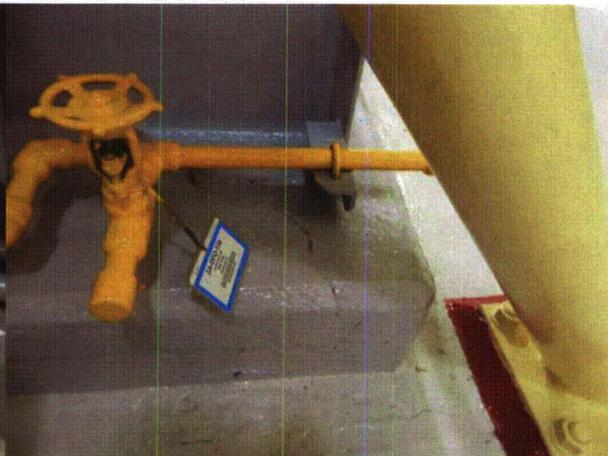
Area # AUX, 45, CAL-AB-422 8-13-12 246



Area # AUX, 45, CAL-AB-422 8-13-12 247



Area # AUX, 45, CAL-AB-422 8-13-12 248



Area # AUX, 45, CAL-AB-422 8-13-12 249

**ATTACHMENT 4**  
**AREA WALK-BY CHECKLIST**

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Status: Y  N  U

**Area Walk-By Checklist (AWC)**

Location (Bldg, Elev, Room/Area): Area : AUX, 45, CAL-AB-422



Area # AUX, 45, CAL-AB-422 8-13-12 250



Area # AUX, 45, CAL-AB-422 8-13-12 251



Area # AUX, 45, CAL-AB-422 8-13-12 252