Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *CONTROL* Floor El. *112* Room, Area[1] *TD-T13*

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)? Y☒ N☐ U☐ N/A☐

   There is a crack in the concrete at the support for Conduit 2E21611 that appears to extend through the anchor bolt. The crack is a small surface crack and the anchor affected is in compression due to the orientation of the support. Therefore, the crack will not affect the structural adequacy of the anchors and there is no potentially adverse seismic condition.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y☒ N☐ U☐ N/A☐

   There appears to be galvanic corrosion around the anchor bolts for the HVAC support 2Z41-F111. Since the corrosion is only on the surface, the anchors are not impacted. Therefore, there is no potentially adverse seismic condition.

   There is a loose nut on a conduit support for Conduit 2E21611 (CR 519680). The support is lightly loaded and the affected bolt will be in compression due to the configuration of the support. Therefore, it is judged that the other three anchors have sufficient strength to restrain the support during a seismic event, so there is no potentially adverse seismic condition.

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)? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

   The cables for one of the battery racks and the HVAC unit overhead are extremely close to one another. The HVAC unit is very large and rigidly attached to the ceiling, so there will be very little movement of the component and will not have the potential to damage the battery cables. The impact is therefore judged not to be significant, so there is no potentially adverse seismic condition.

[1] If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *CONTROL* Floor El. *112* Room, Area[1] *TD-T13*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y☒ N☐ U☐ N/A☐
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y☒ N☐ U☐ N/A☐
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)?	Y☒ N☐ U☐ N/A☐
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y☒ N☐ U☐

Comments (Additional pages may be added as necessary)

None

Evaluated by: *John McFarland* Date: *09/18/2012*

Jeff Horton *09/18/2012*

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *CONTROL* Floor El. *112* Room, Area[1] *TD-T13*

Photographs

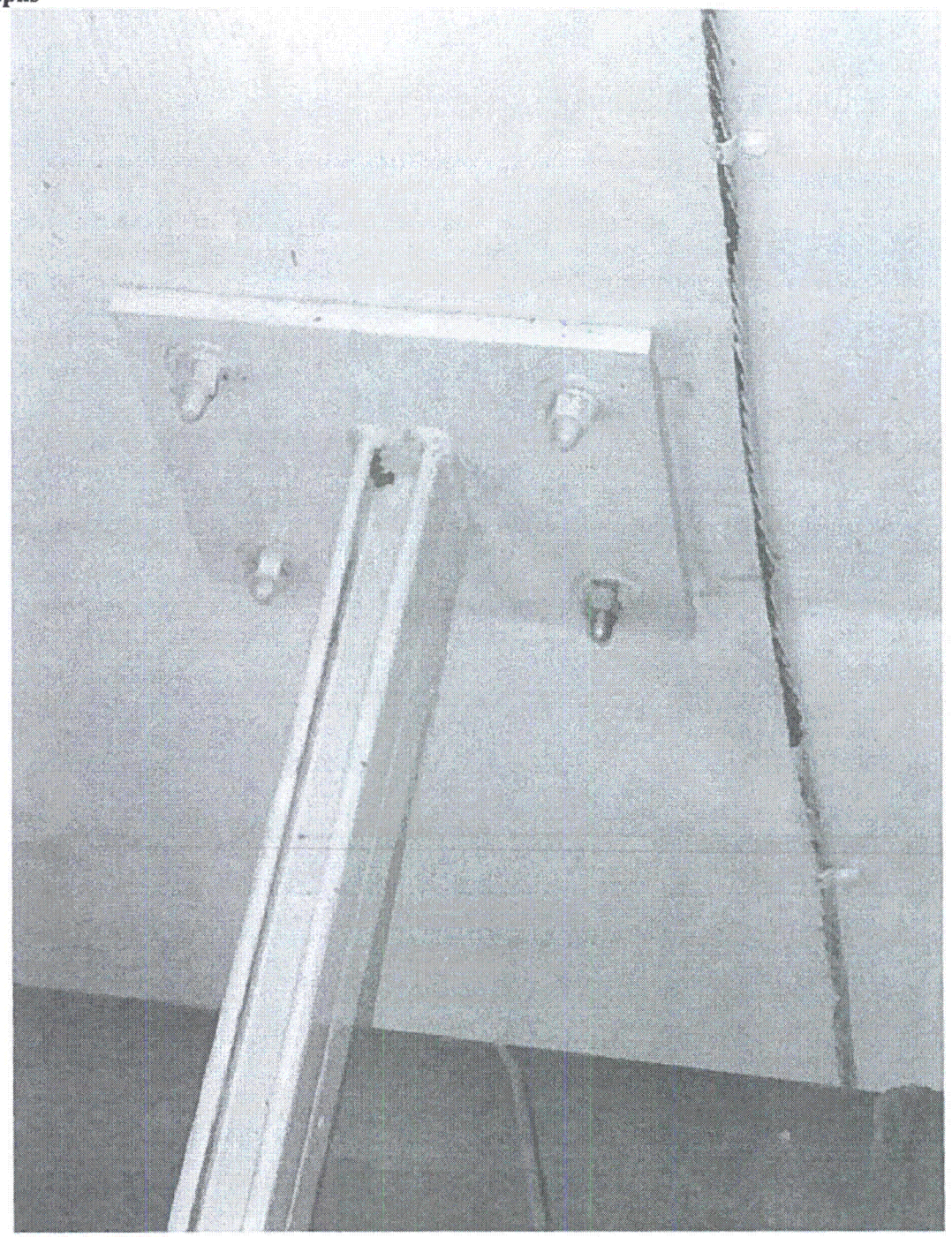


Figure 1 – Surface Crack at Conduit Support on Wall (Unit 2 Control TD-T13)

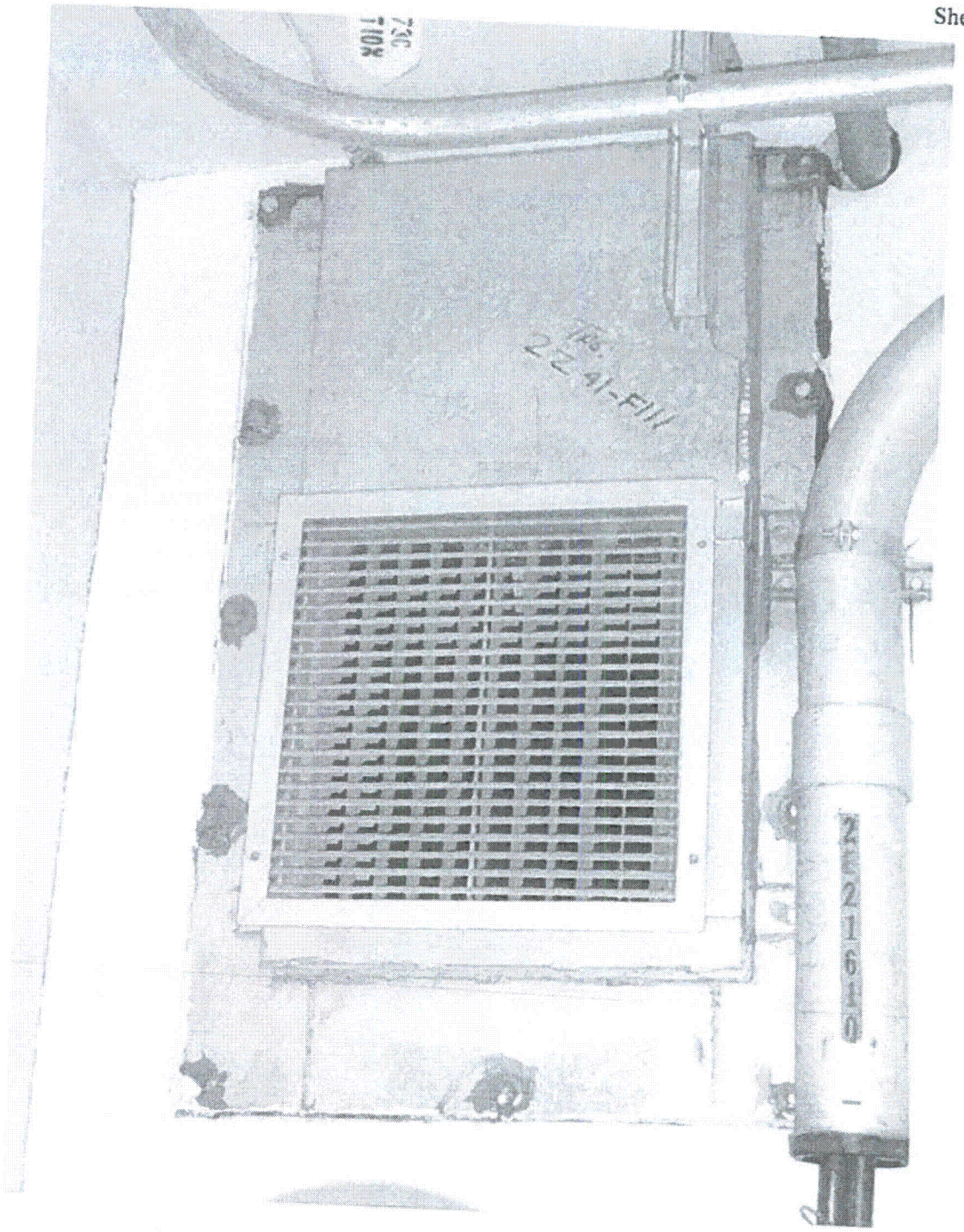


Figure 2 – HVAC Galvanic Corrosion (Unit 2 Control TD-T13)

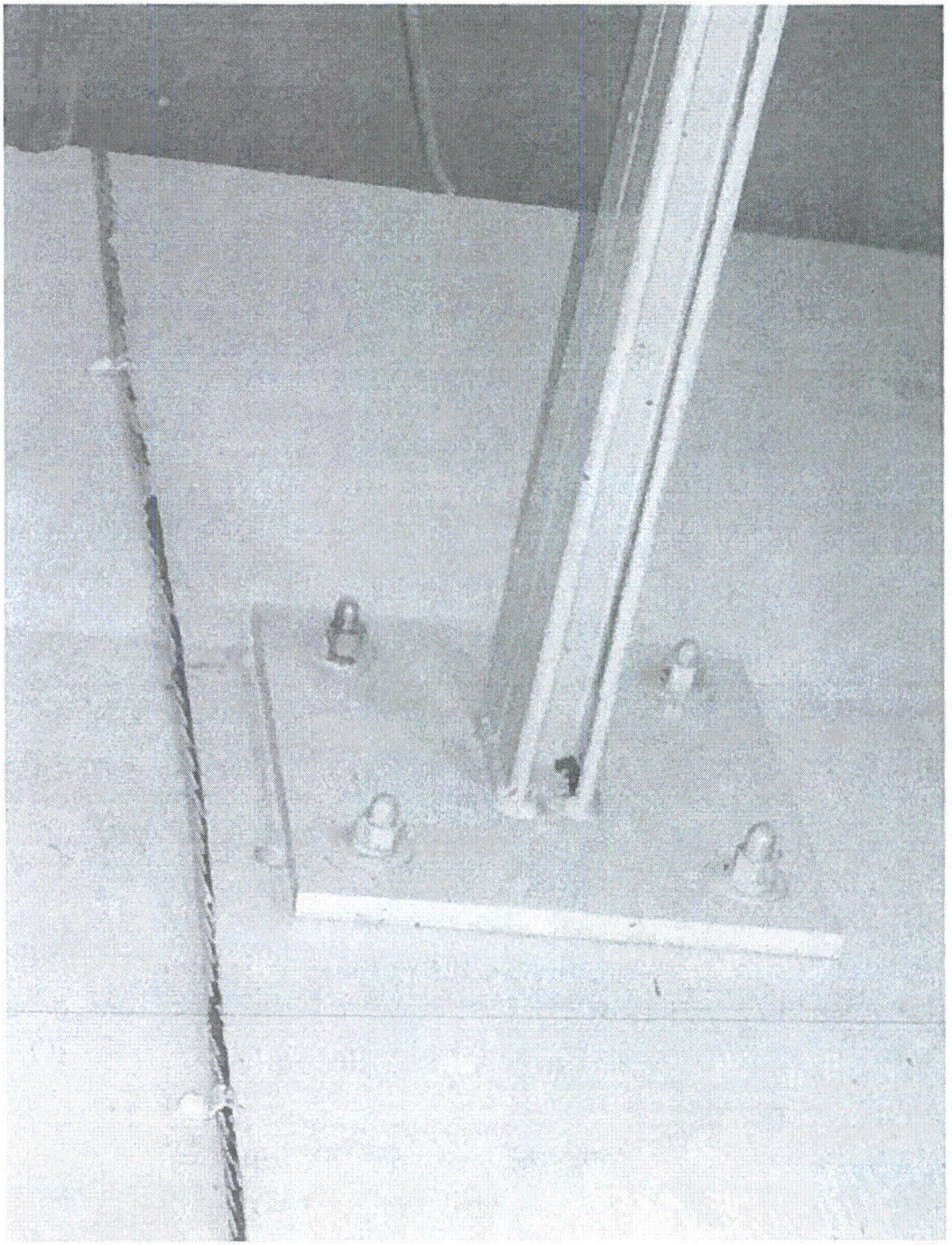


Figure 3 – Loose Nut on Conduit Support on Wall (Unit 2 Control TD-T13)
(Note: Vertical up is from left to right in picture)

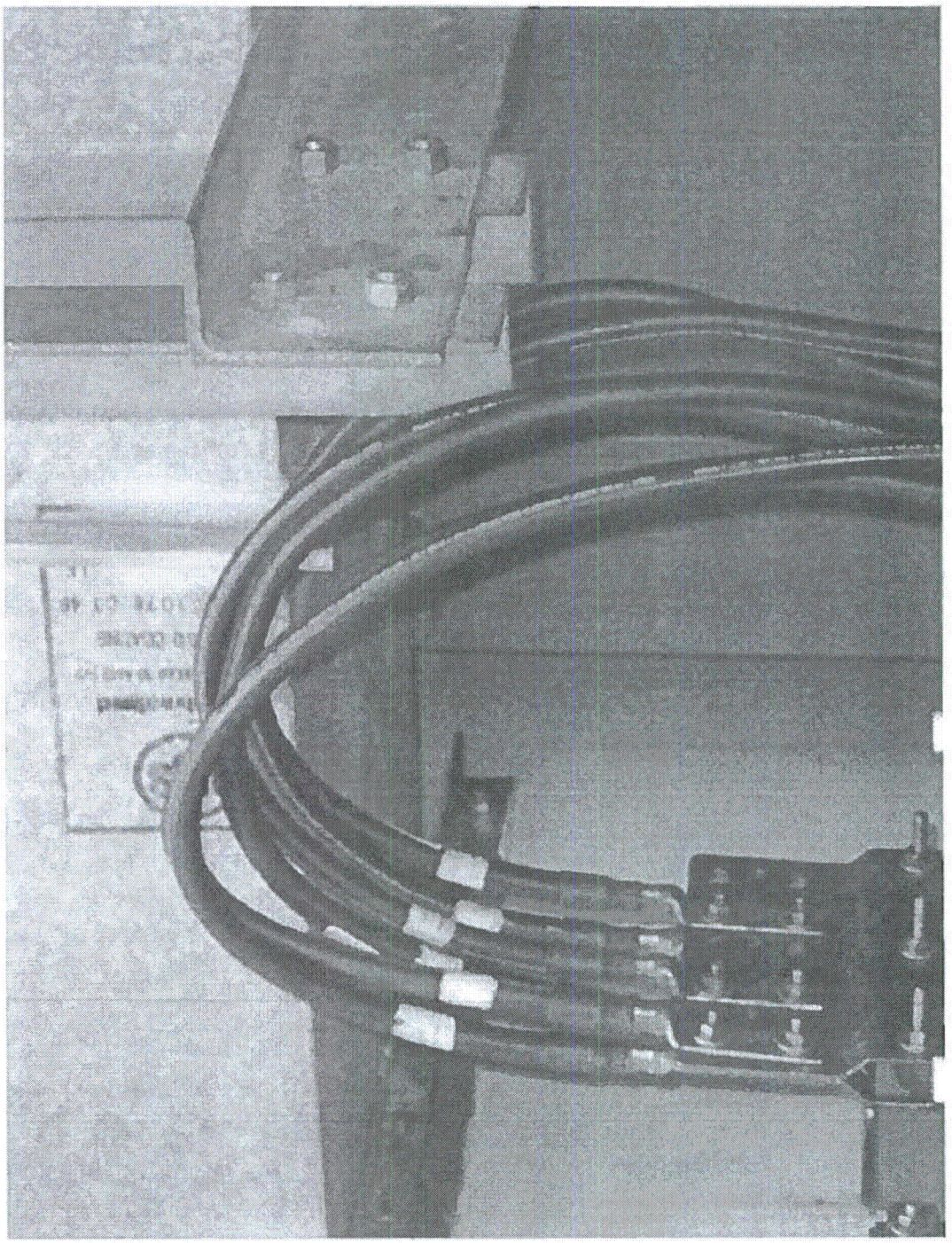


Figure 4 – Battery Cable and HVAC Spacing (Unit 2 Control TD-T13)

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *DIESEL* Floor El. *130* Room, Area[1] *BATTERY ROOM 2A*

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)? Y☒ N☐ U☐ N/A☐

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

[1] If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *DIESEL* Floor El. *130* Room, Area[1] *BATTERY ROOM 2A*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y☒ N☐ U☐ N/A☐

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y☒ N☐ U☐
The west wall exhibited cracks above the door opening to the room. These cracks do not appear to go through any anchors to equipment mounted on the wall (see photograph 1). This is judged to not be a seismic concern.

Comments (Additional pages may be added as necessary)

None.

Evaluated by: *Juan Vizcaya* Date: *09/24/2012*

Patrick Kelly *09/24/2012*

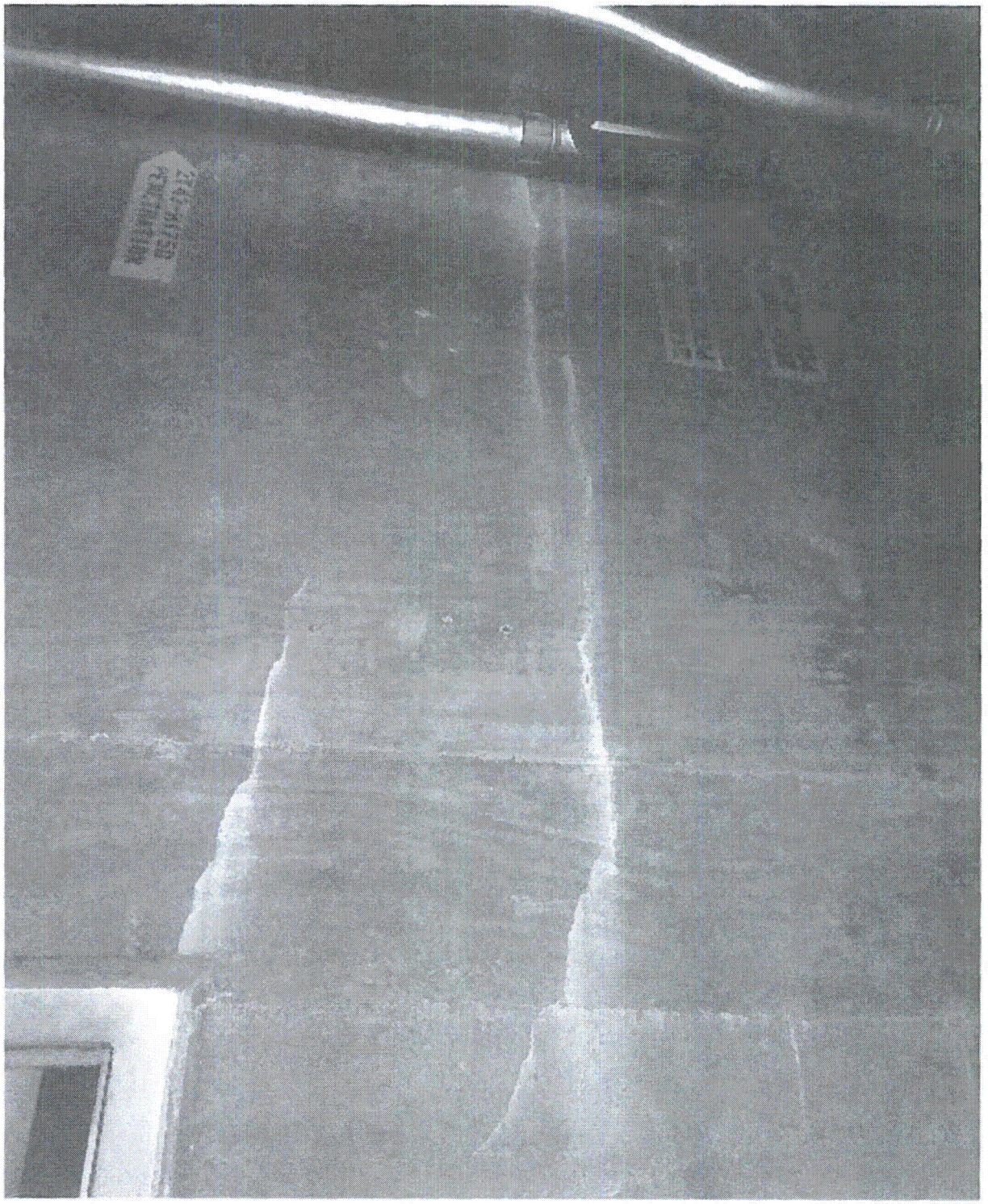
Sheet 3 of 3

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *DIESEL* Floor El. *130* Room, Area[1] *BATTERY ROOM 2A*

Photographs



1: Cracks on West Wall (Battery Room 2A)

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *DIESEL* Floor El. *130* Room, Area[1] *BATTERY ROOM 2C*

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)? Y☒ N☐ U☐ N/A☐

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

[1] If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *DIESEL* Floor El. *130* Room, Area[1] *BATTERY ROOM 2C*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y☒ N☐ U☐ N/A☐

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

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

There is a washer missing to the fuse monitor box 2H21-P293A. It is judged that the box is adequately supported by the bolt without the washer. This is not a seismic concern.

There is a grounding wire not attached to anything from battery fuse box 2H21-P293 (see photographs 1 and 2). This is not a seismic concern. There is another ground cable from the same box which is connected to the ground loop. The unattached ground cable doesn't appear to be required. CR 523485 has been written to resolve this issue.

Comments (Additional pages may be added as necessary)

None.

Evaluated by: *Juan Vizcaya* Date: *09/24/2012*

Patrick Kelly *09/24/2012*

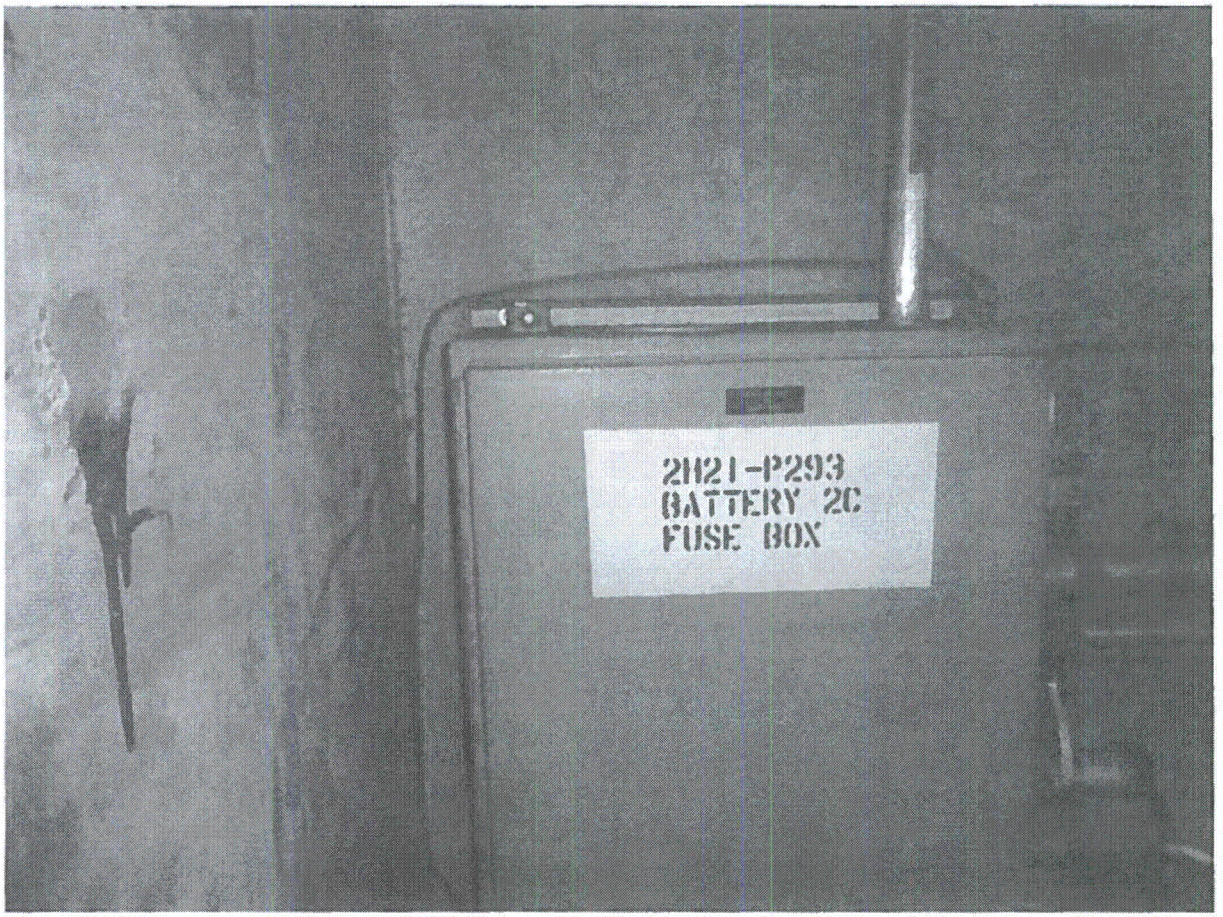
Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *DIESEL* Floor El. *130* Room, Area[1] *BATTERY ROOM 2C*

Photographs

1: Unattached Ground Cable to 2H21-P293 (Battery Room 2C)



2: Unattached Ground Cable to 2H21-P293 (Battery Room 2C)

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *Control* Floor El. *112* Room, Area[1] *C026*

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)? Y☒ N☐ U☐ N/A☐

   The top right bolt on the HVAC support over the room door appears to be missing a nut. On closer inspection, it was determined that the nut is new and so blends in to the support from the front, but is visible from an angle. Since no hardware is missing, there is no potentially adverse seismic condition.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

   There is a screw missing on the side of the HVAC strap near Penetration 2Z43-H182C (CR 524311). The strap is screwed to the HVAC on the bottom of the strap. The single remaining screw is judged adequate to maintain the connection between the strap and the HVAC, so there is no potentially adverse seismic condition. However, in accordance with good engineering practice, the screw should be replaced so there are two screws for the support.

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)? Y☒ N☐ U☐ N/A☐

[1] If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *Control* Floor El. *112* Room, Area[1] *C026*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y☒ N☐ U☐ N/A☐

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

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

The ventilation duct between the room and the hallway has an empty anchor hole in the frame. The anchor has been removed and a welded tab has been added to the frame for the replacement through-bolt. The spacing between the anchor and the hole is close enough to reduce the capacity of the anchor. The duct is very small and light, and even without the reduced anchor bolt, the remaining three anchors are sufficient to hold the duct, so there is no potentially adverse seismic condition.

Comments (Additional pages may be added as necessary)

Evaluated by: *Wesley Williams* Wesley A. Williams Date: *10/25/2012*

Mike Steele Mike Steele *10/25/2012*

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *CONTROL* Floor El. *112* Room, Area[1] *C-026*

Photographs

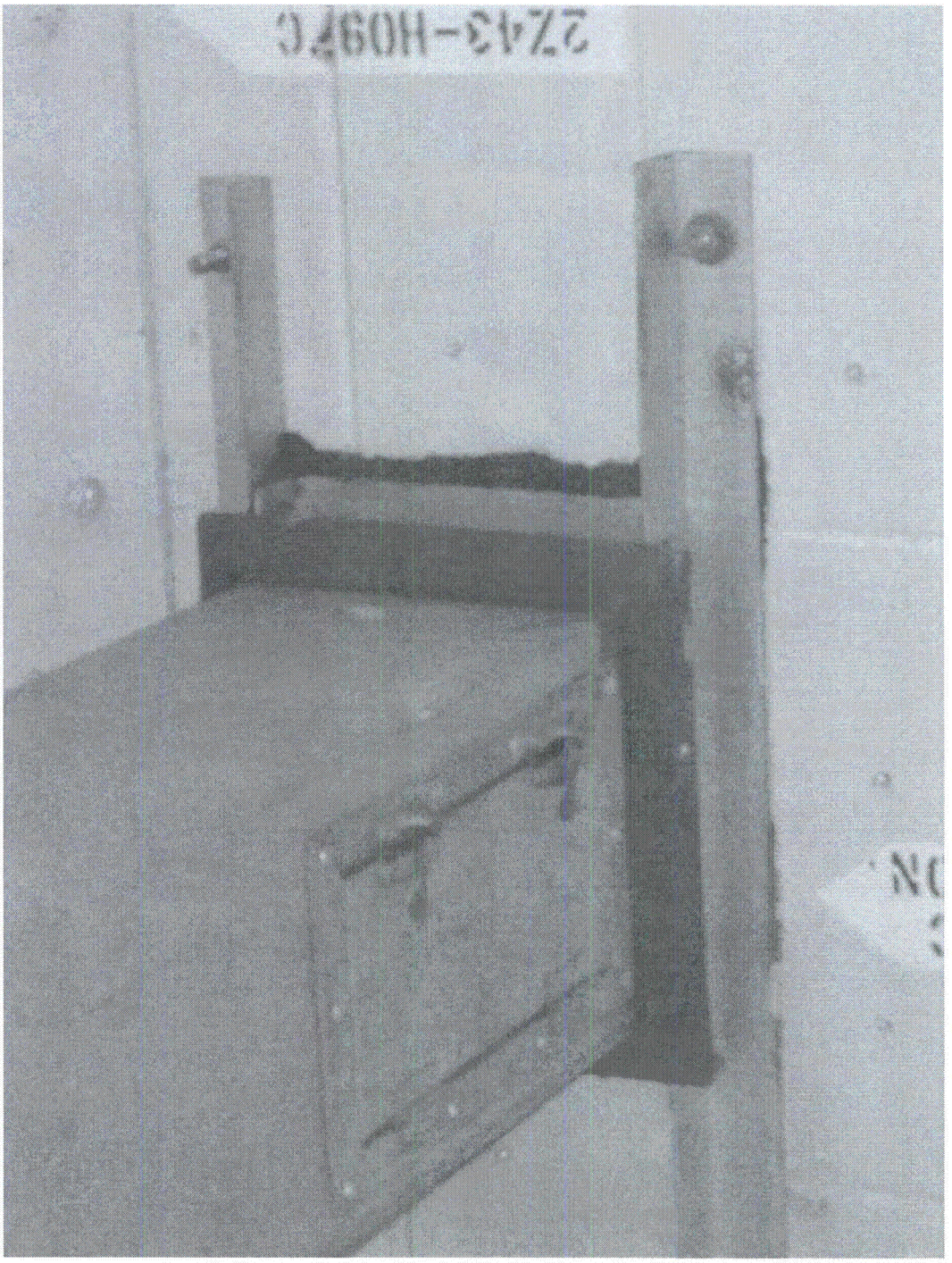


Figure 1 – Difficult to See Nut on Anchor Bolt (Room C-027)

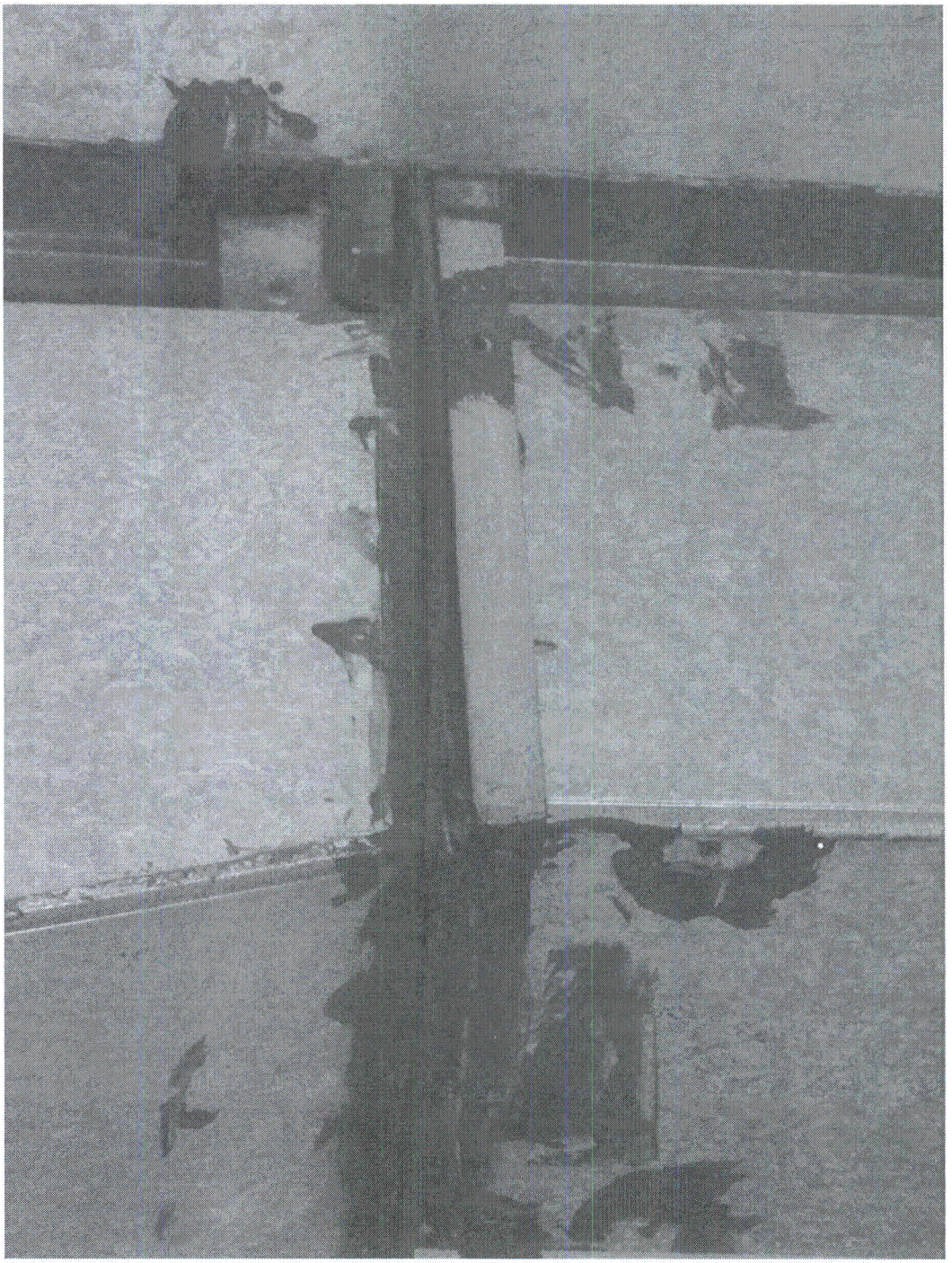


Figure 2 – Missing Screw on HVAC Strap (Room C-027)
(Note: Hole in strap on top of HVAC, at top left of picture, is a misdrilled hole that was not utilized. No screw is missing from this strap.)

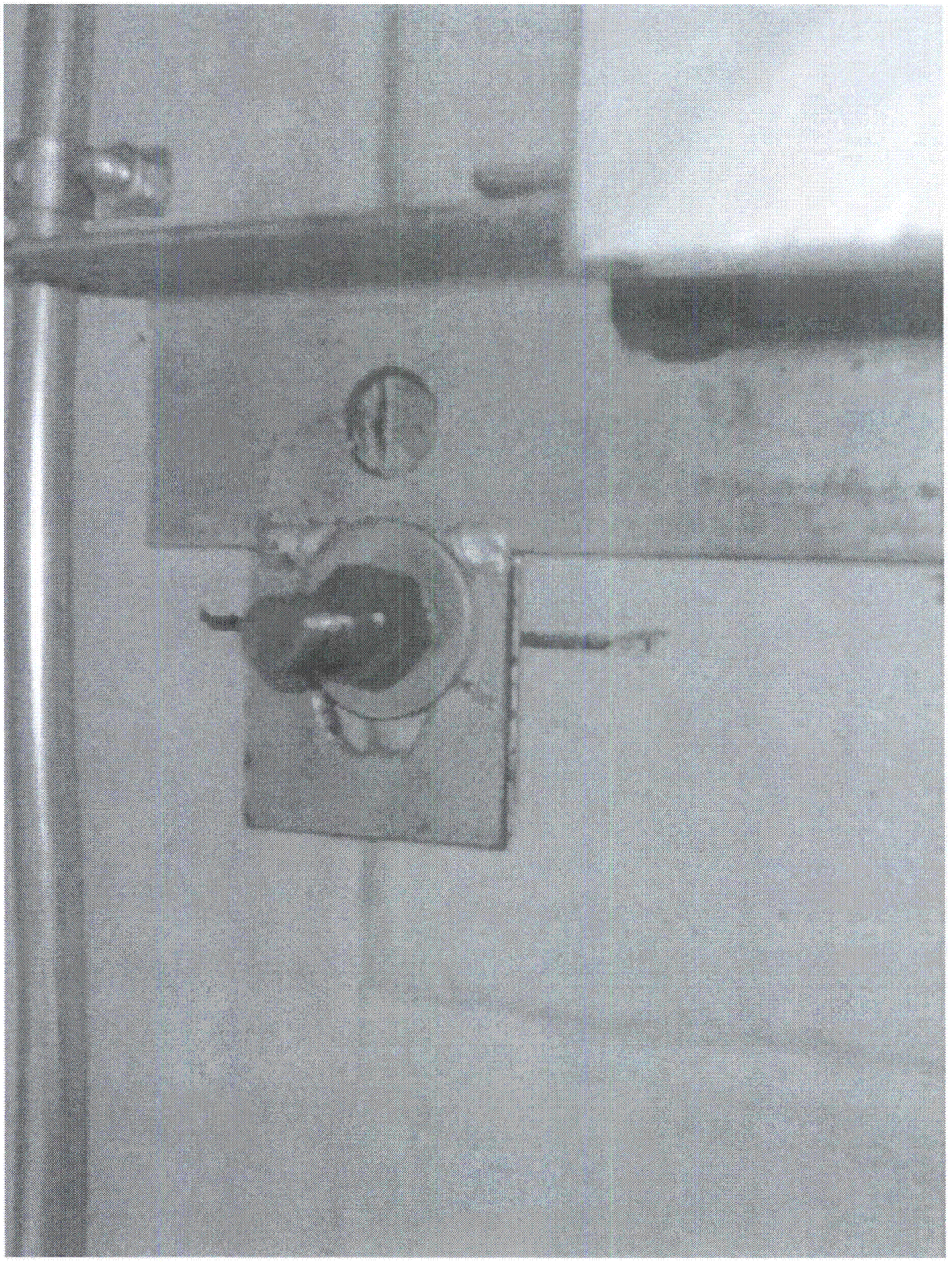


Figure 3 – Reduced Anchor Bolt Spacing (Room C-027)

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *CONTROL* Floor El. *112* Room, Area[1] *TC-T12*

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)? Y☒ N☐ U☐ N/A☐

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y☒ N☐ U☐ N/A☐

   The HVAC damper at penetration 2Z43-H001C has block spalling at the two lower anchors. The duct is not safety related. Only one of the four anchor bolts has a double nut. The amount of spalling around the anchors is minor and the bolts are through-bolted. The spalling appears to have been caused by the drill during installation and not by the anchors. There is no spalling on the other side of the foot thick wall at the anchor support and there is no sensitive equipment beneath the HVAC damper. Therefore, the anchors are judged sufficient to restrain the damper and there is no potentially adverse seismic condition.

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)? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

[1] If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

JHH 10/9/12

Status: Y☒ N☒ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *CONTROL* Floor El. *112* Room, Area[1] *TC-T12*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y☒ N☐ U☐ N/A☐

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐
There is a broken portable eyewash station located in the room near the door (CR 519566). The tamper evident seal is broken, the top cover is broken and there is evidence of significant leakage. The eyewash station is not restrained against movement, but it is not near any sensitive equipment. Therefore, it is judged not to be a potentially adverse seismic condition, but the eyewash station needs to be repaired or replaced.

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

Comments (Additional pages may be added as necessary)

The junction box attached to battery rack 2R42-S017B is missing one screw in the top right corner of the cover plate (CR 519568). There are three existing screws and two holes in the cover plate that are not meant to have screws. The existing screws are judged to be sufficient to hold the cover plate in the case of a seismic event. Therefore, it is judged that there is no potentially adverse seismic condition.

Evaluated by: *John McFarland* Date: *09/10/2012*

Jeff Horton *09/10/2012*

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *CONTROL* Floor El. *112* Room, Area[1] *TC-T12*

Photographs

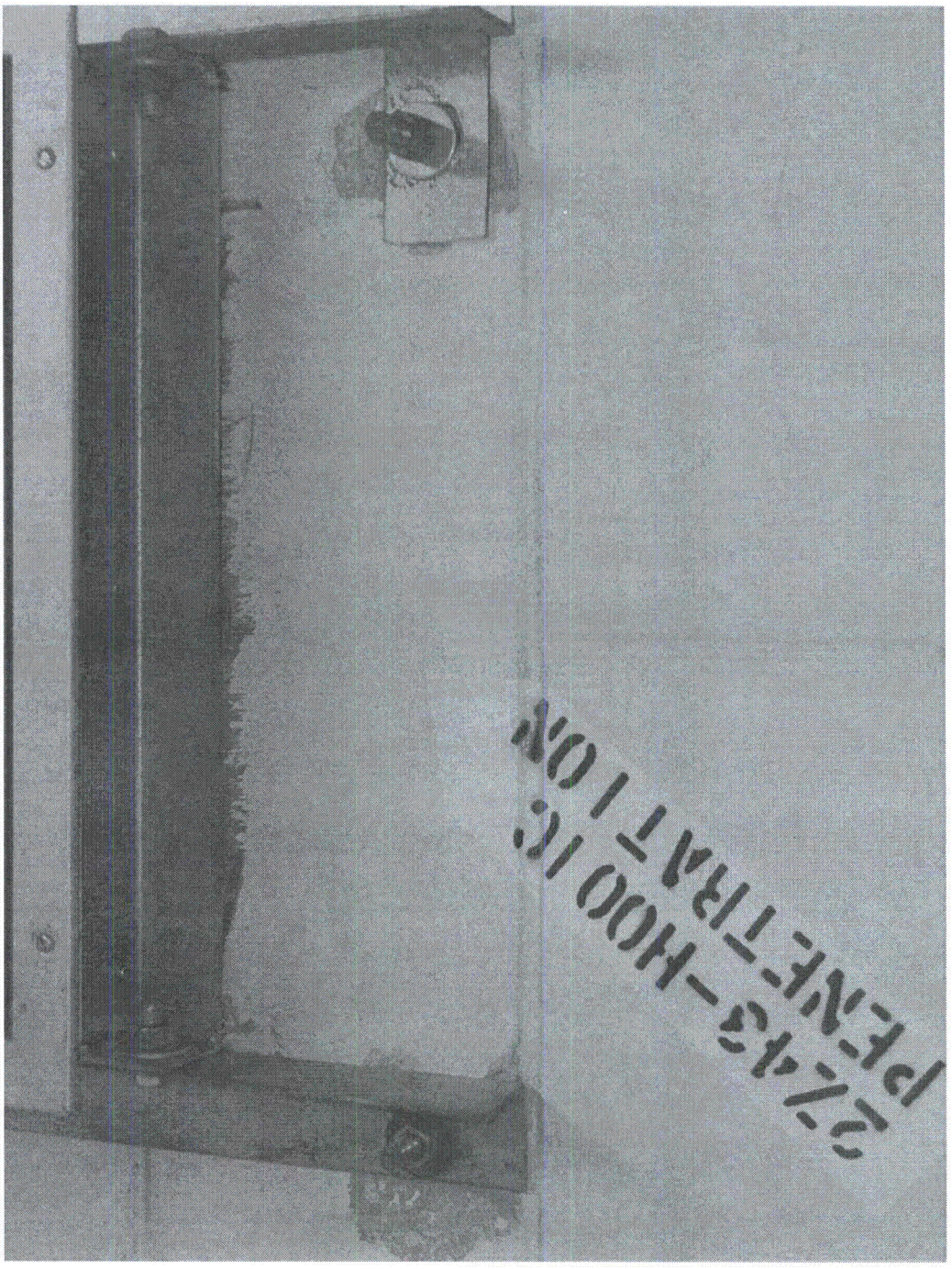


Figure 1 – Spalling at HVAC Support (TC-T12 Control 112)

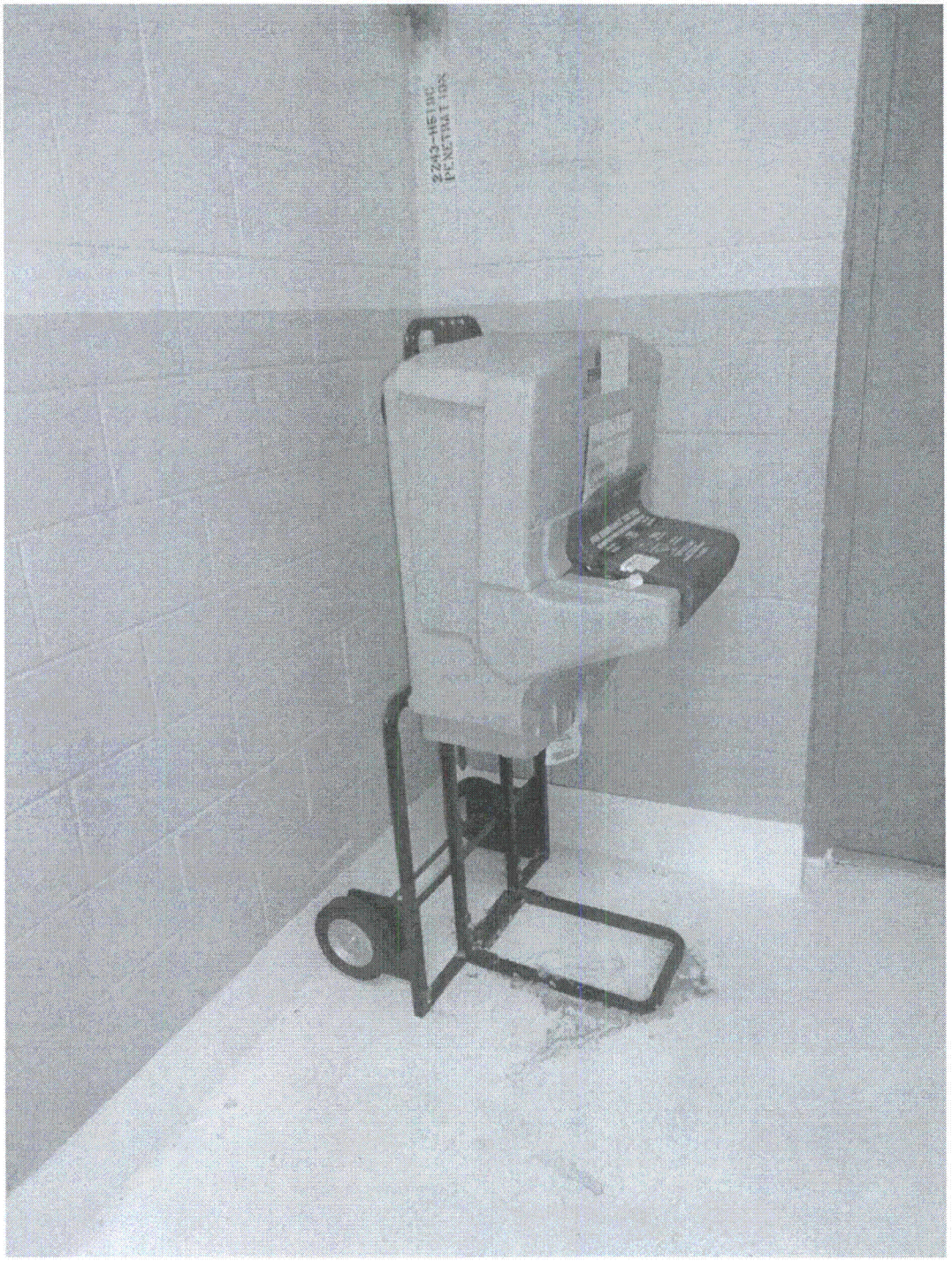


Figure 2 – Broken Eyewash Station (TC-T12 Control 112)

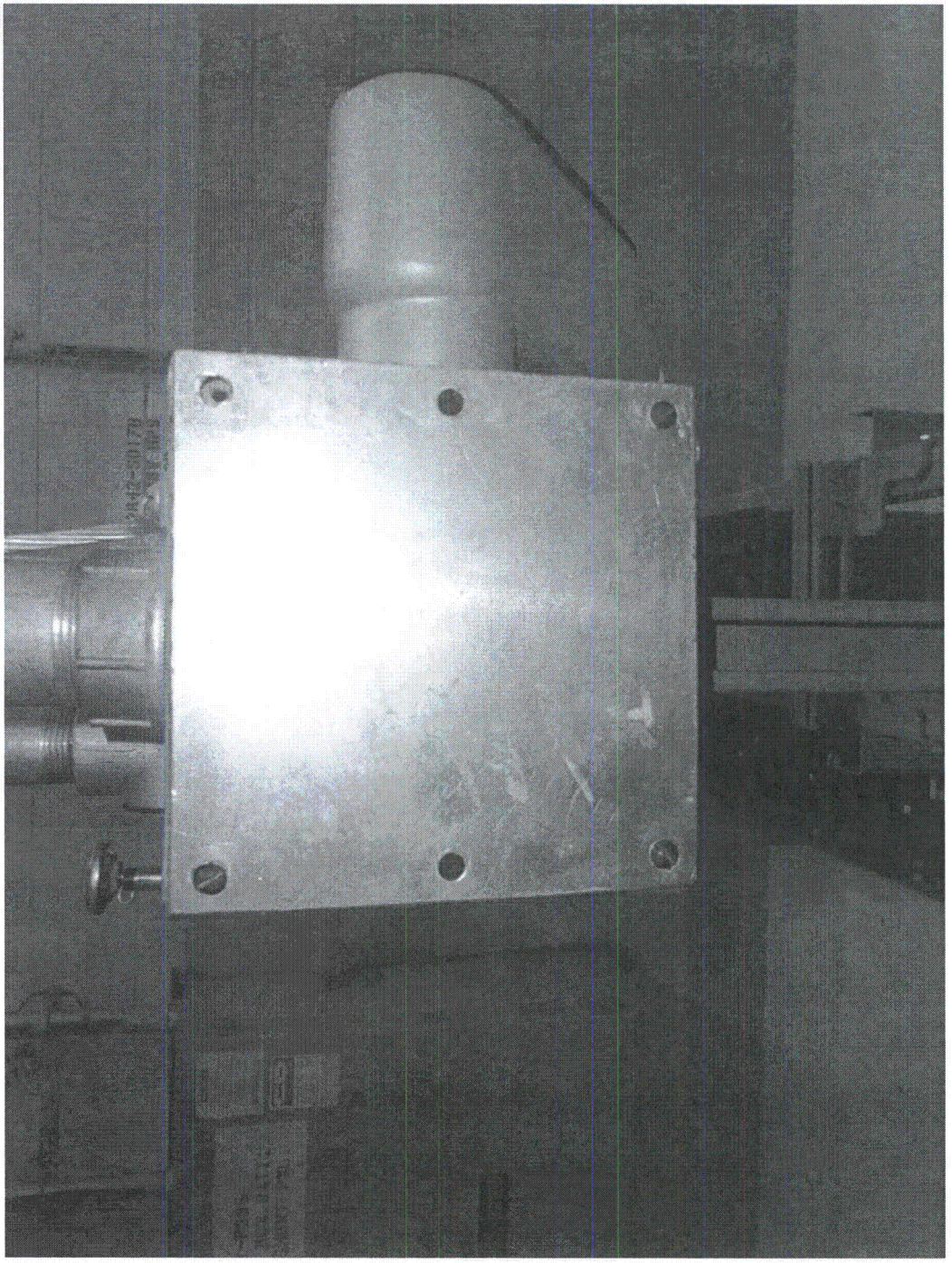


Figure 3 – Missing Cover Plate Screw (TC-T12 Control 112)

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *CONTROL* Floor El. *130* Room, Area[1] *C-114*

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)? Y☒ N☐ U☐ N/A☐

   There are two anchor bolt holes without anchor bolts on 2R42-S028. However, review of SEWS package 2R42-S029 and adjacent battery chargers show that the anchors were replaced with welds, so there are no missing anchors. The existing welds have been verified against the SEWS packages and found to be in compliance. Therefore, there is no potentially adverse seismic condition.

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

   There are eight bolts missing from the north flange of the 56" x 30" HVAC duct at Penetration 2Z43-H750D on the west wall (CR 524552). The HVAC is supported at the wall by the flanged connection to the fire damper in the wall and by a strap support about two feet east of the flanged connection. Therefore, there is negligible load from the duct on the flanged connection. Eighteen bolts properly installed on the other visible sides of the duct at the flanged connection are judged sufficient to restrain the duct. The fire damper is not adversely affected by the flanged connection with the missing bolts. Therefore, there is no potentially adverse seismic condition created by the missing bolts. However, the missing bolts should be replaced.

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)? Y☒ N☐ U☐ N/A☐

   There is a hanging rod light suspended near 2R22-S016 with an open hook and no safety chain. The light is over open floor, and so has no potential to fall on sensitive equipment. Therefore, there is no potentially adverse seismic condition.

[1] If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *CONTROL* Floor El. *130* Room, Area[1] *C-114*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y☒ N☐ U☐ N/A☐
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y☒ N☐ U☐ N/A☐
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)?	Y☒ N☐ U☐ N/A☐
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? *There is one screw missing and one screw missing a washer on the Q2R25-S129 distribution panel (CR 524321). The remaining four screws are sufficient to hold the light gauge cover plate, so there is no potentially adverse seismic condition and operability is not affected. However, the missing screw and washers should be replaced.*	Y☒ N☐ U☐

Comments (Additional pages may be added as necessary)

None

Evaluated by: *John McFarland* Date: *09/25/2012*

Jeff Horton *09/25/2012*

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *CONTROL* Floor El. *130* Room, Area[1] *C-114*

Photographs

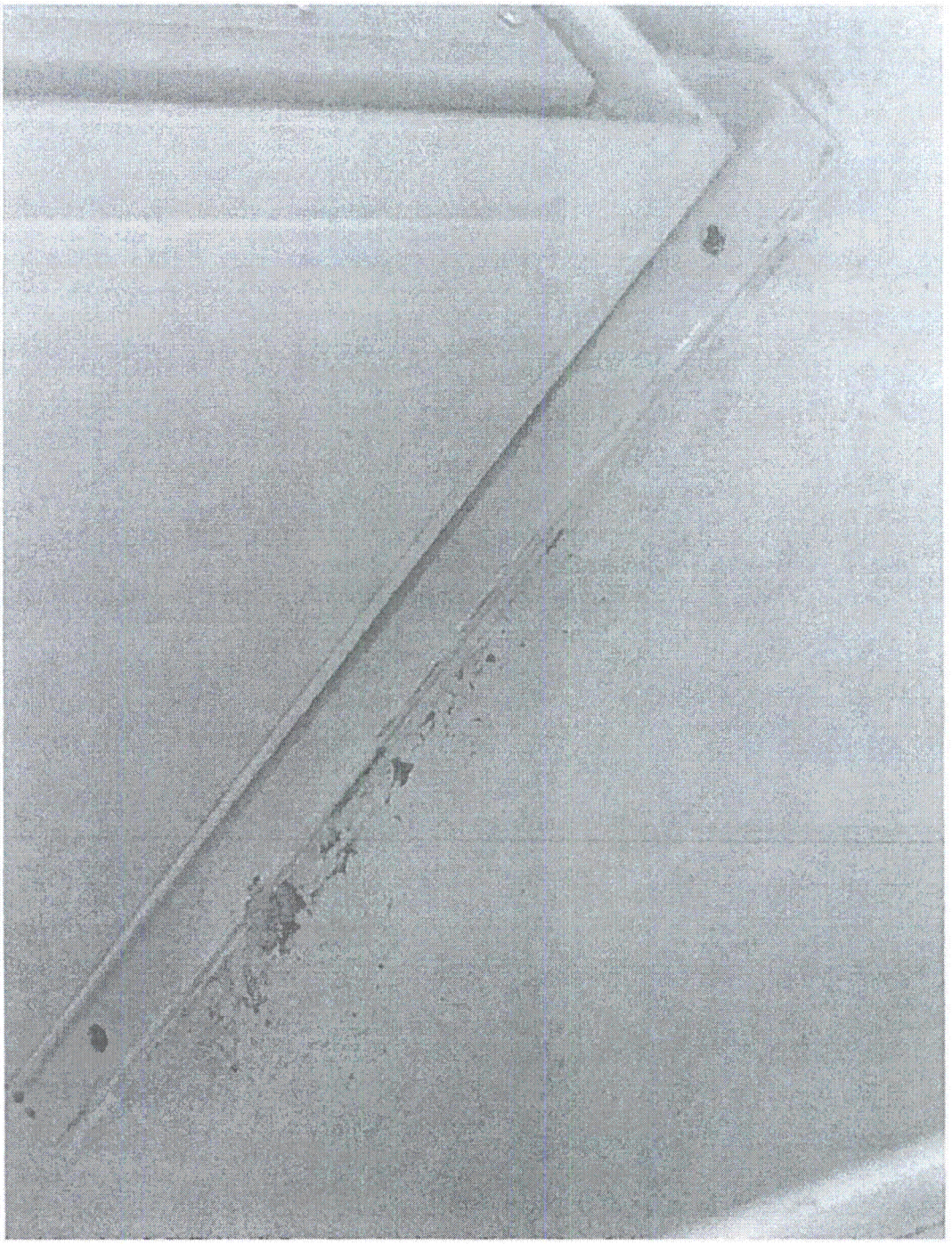


Figure 1 – Replacement Welds (Room C-114)

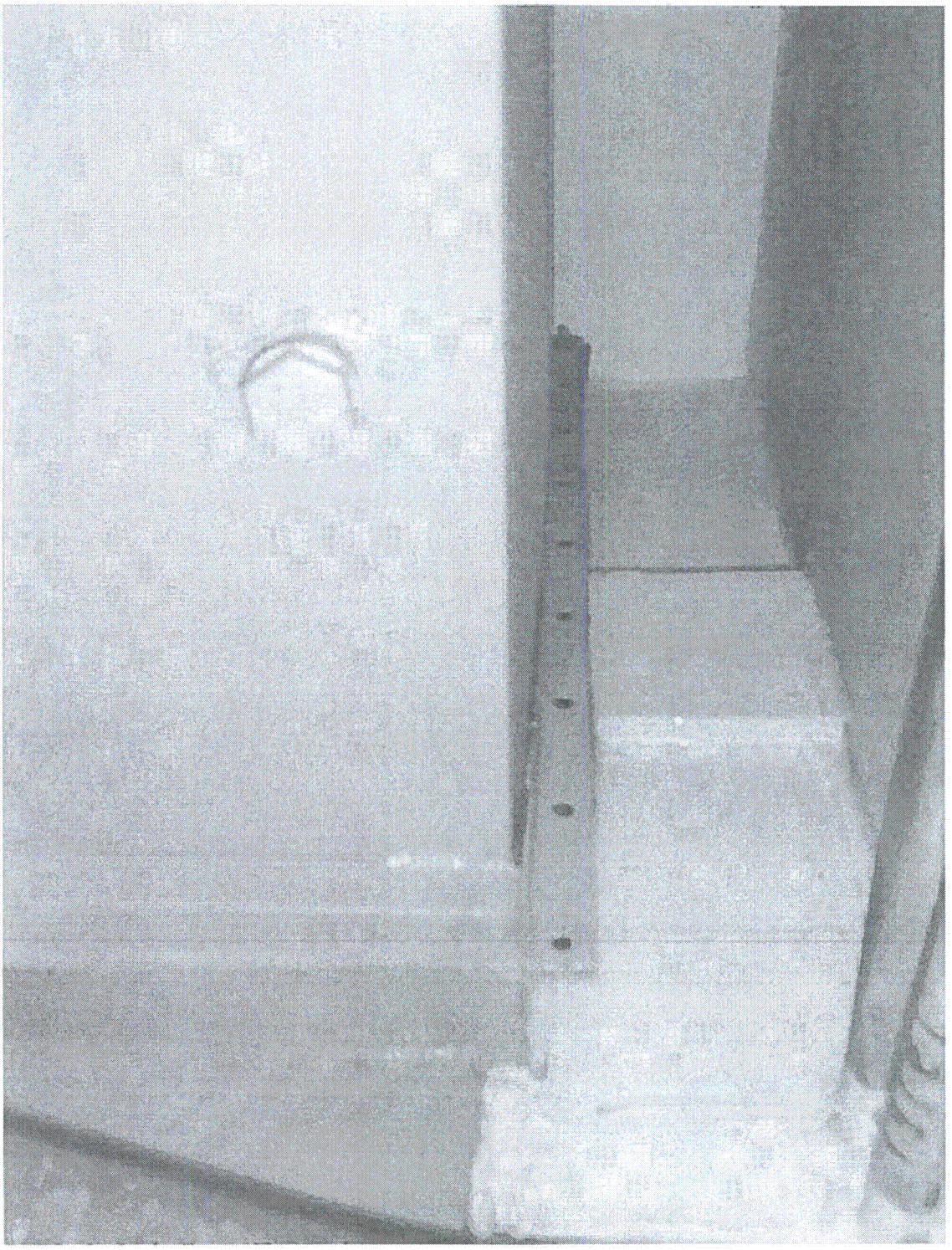


Figure 2 – Missing HVAC Bolts (Room C-114)

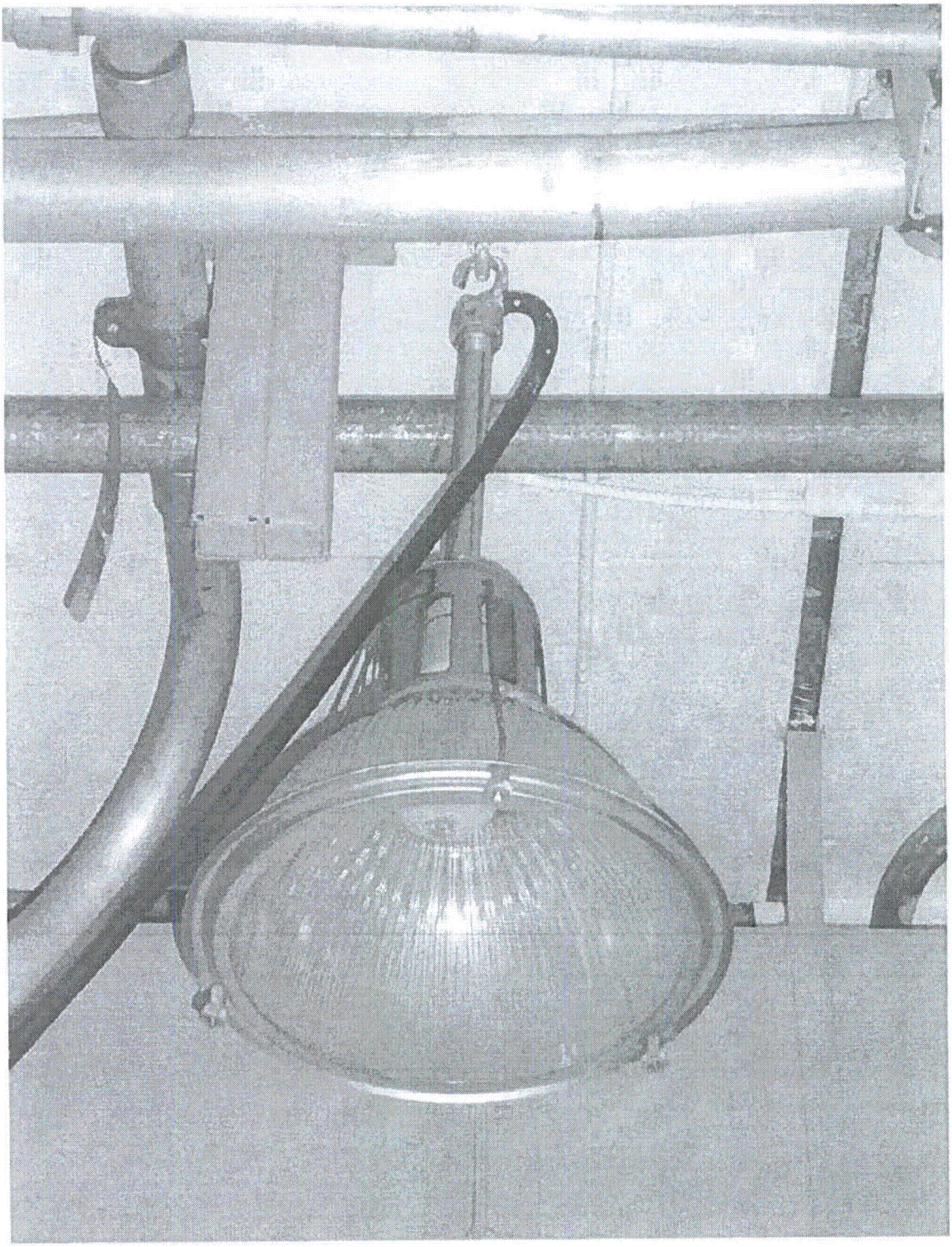


Figure 3 – Hanging Rod with Open Hook (Room C-114)

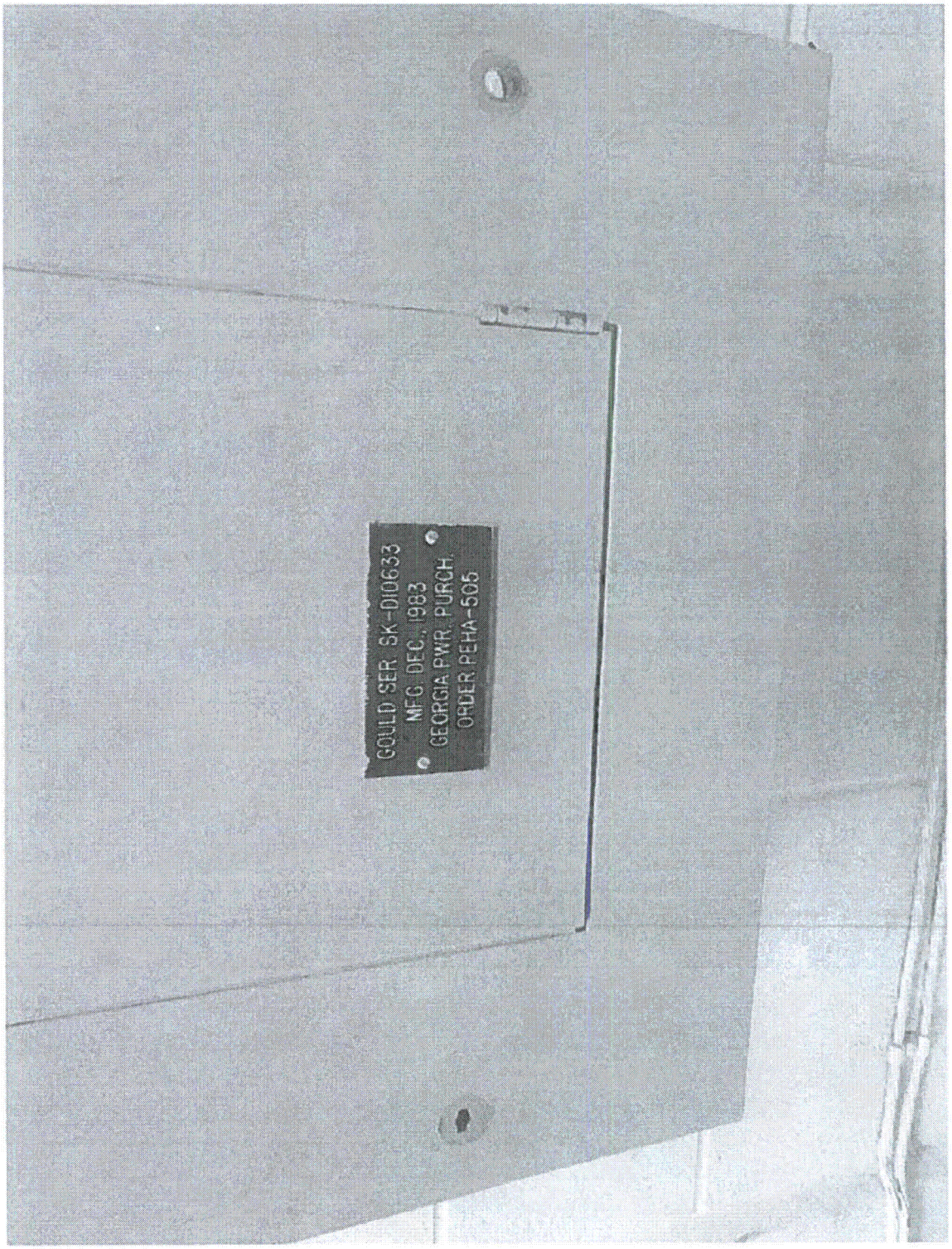


Figure 4 – Missing Screw and Washer (Room C-114)

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *CONTROL* Floor El. *130* Room, Area[1] *C140*

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)? Y☒ N☐ U☐ N/A☐

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

   Instrument tubing is tied to an overhead conduit with a frayed piece of rope (see CR 513977). The tubing is supported by Unistrut members on either side of the rope, so the rope does not provide any restraint for the tubing. It is judged to be seismically adequate.

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)? Y☒ N☐ U☐ N/A☐

[1] If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *CONTROL* Floor El. *130* Room, Area[1] *C140*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y☒ N☐ U☐ N/A☐

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

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

Comments (Additional pages may be added as necessary)

There is a fluorescent light fixture without a cover located approximately 5' above a cabinet. The light is tied to the ceiling, so during a seismic event, only the bulb could fall. The cabinet is rugged and is judged to have sufficient strength as to make a possible impact between the cabinet and the bulb insignificant. Therefore, it is judged to be seismically adequate.

Evaluated by: *John McFarland* Date: *09/06/2012*

Jeff Horton *09/06/2012*

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *CONTROL* Floor El. *130* Room, Area[1] *C140*

Photographs

Figure 1 – Instrument Tubing Tied to Conduit (C140)

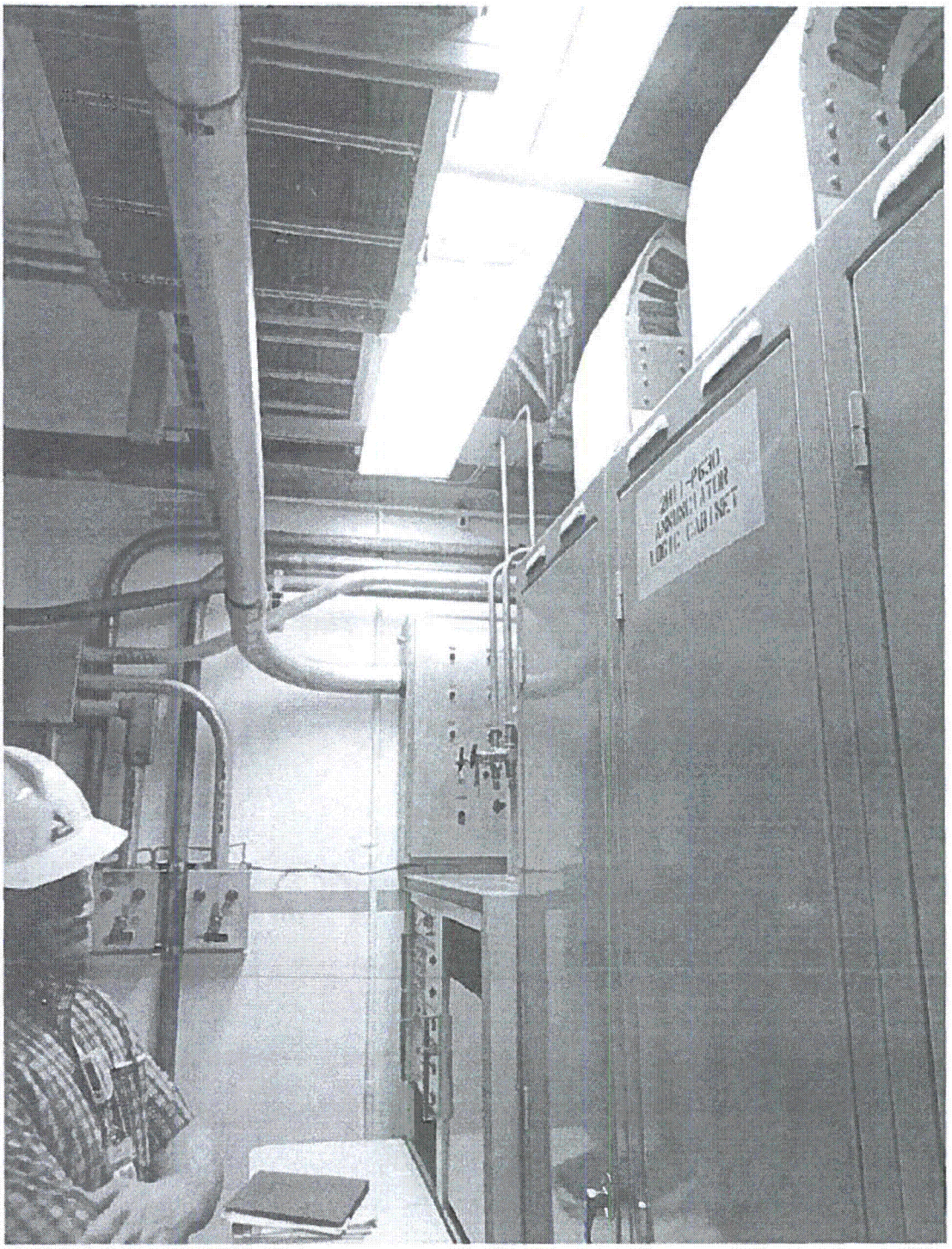


Figure 2 – Light Fixture over Cabinet (C140)

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *DIESEL G.* Floor El. *130* Room, Area[1] *2A*

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)? Y☒ N☐ U☐ N/A☐

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

   Lighting may swing during a seismic event and touch the generator. This is judged to be not significant since the generator itself is very rugged and light fixture is relatively lightweight.

   Fluorescent light bulb may come off and hit the control panel for DG 2A. However, this is judged not to be a significant event since the actual loads endured on the panel during the start-up of the diesel generator is greater than the impact force from the falling fluorescent light bulb.

[1] If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *DIESEL G.* Floor El. *130* Room, Area[1] *2A*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y☒ N☐ U☐ N/A☐
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area?	Y☒ N☐ U☐ N/A☐
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)?	Y☒ N☐ U☐ N/A☐
8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area?	Y☒ N☐ U☐

Comments (Additional pages may be added as necessary)

None.

Evaluated by: *Kursat Kinali* Kursat Kinali Date: *9/7/2012*

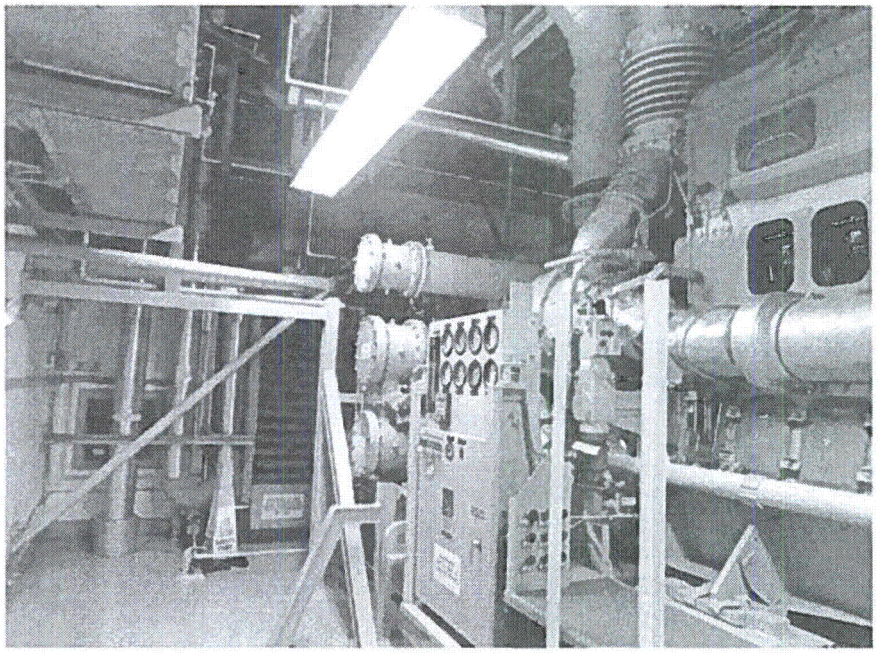
Wesley Williams Wesley A. Williams *9/7/2012*

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *DIESEL G.* Floor El. *130* Room, Area[1] *2A*

Photographs



Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *DIESEL* Floor El. *130* Room, Area[1] *DIESEL GENERATOR ROOM 2C*

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)? Y☒ N☐ U☐ N/A☐

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

[1] If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *DIESEL* Floor El. *130* Room, Area[1] *DIESEL GENERATOR ROOM 2C*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y☒ N☐ U☐ N/A☐

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

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

Comments (Additional pages may be added as necessary)

None.

Evaluated by: *Juan Vizcaya* Date: *09/11/2012*

Patrick Kelly *09/11/2012*

Sheet 1 of 3

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *Reactor* Floor El. *130"* Room, Area[1] *2R107A*

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)? Y☒ N☐ U☐ N/A☐

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

[1] If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *Reactor* Floor El. *130"* Room, Area[1] *2R107A*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y☒ N☐ U☐ N/A☐

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐
   There is an Equipment Tag laying on the 130' elevation floor near 2H21-P410. The SWE's have determined that the tag is small and will not cause an adverse seismic interaction with safety related equipment (See CR 518762).

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

Comments (Additional pages may be added as necessary)

None

Evaluated by: *John McFarland* Date: 9-17-12

Jeff Horton 09/17/12

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *Reactor* Floor El. *130"* Room, Area[1] *2R107A*

Photographs:

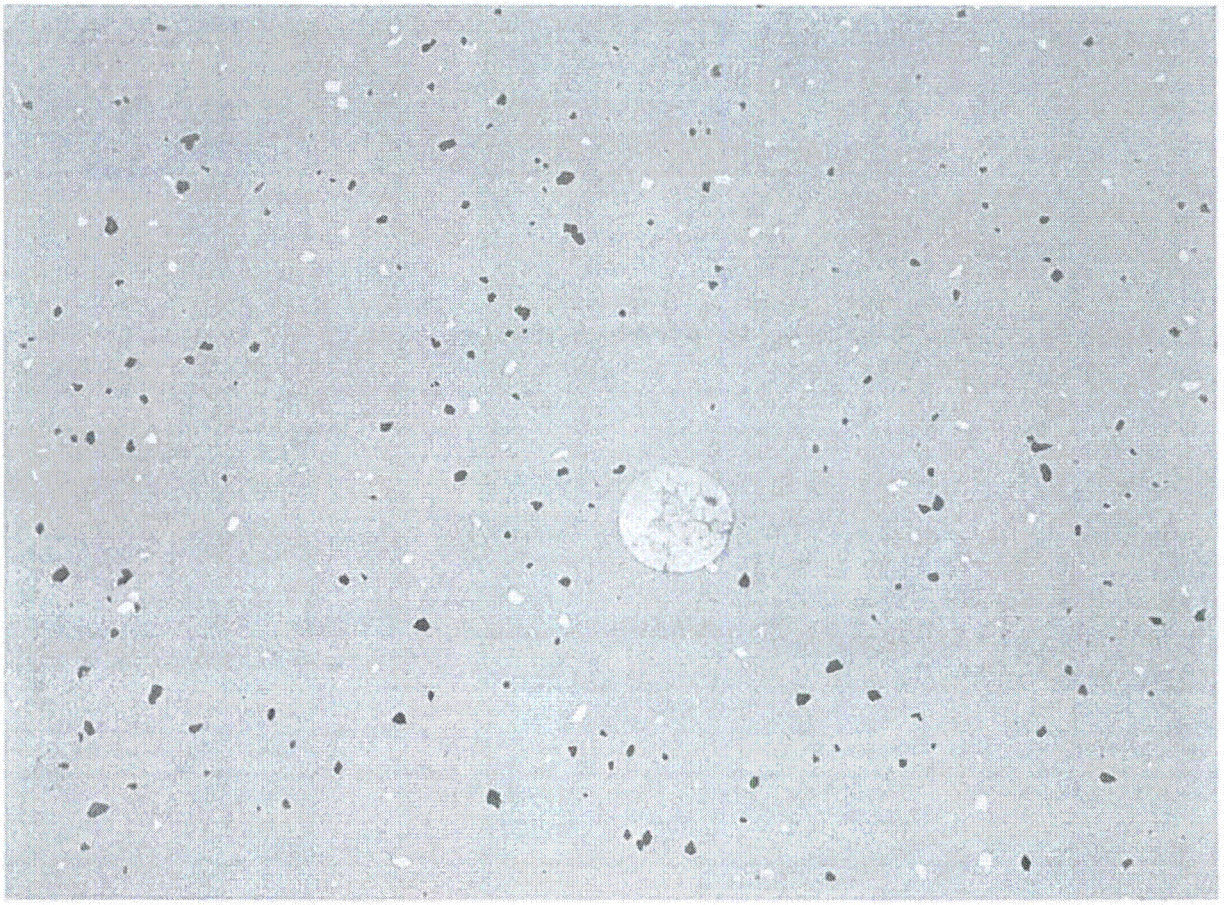


Figure 1 Equipment Tag on Floor at 130' Elevation of the Reactor Building

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *REACTOR* Floor El. *158* Room, Area[1] *RL – RE and R14 – R19*

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)? Y☒ N☐ U☐ N/A☐

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

[1] If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *REACTOR* Floor El. *158* Room, Area[1] *RL – RE and R14 – R19*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y☒ N☐ U☐ N/A☐

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

Top bolt of one of the supports for the ladder in the area has a loose nut. This was judged not to be a seismic concern since the ladder is far from other equipment in the area. CR523720 was initiated to tighten the nut on this bolt.

There is an oil leak on the floor next to item 2T31-E030. CR523723 was initiated for this purpose. 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? Y☒ N☐ U☐

Comments (Additional pages may be added as necessary)

None.

Evaluated by: *Kursat Kinali* Date: *9/25/2012*

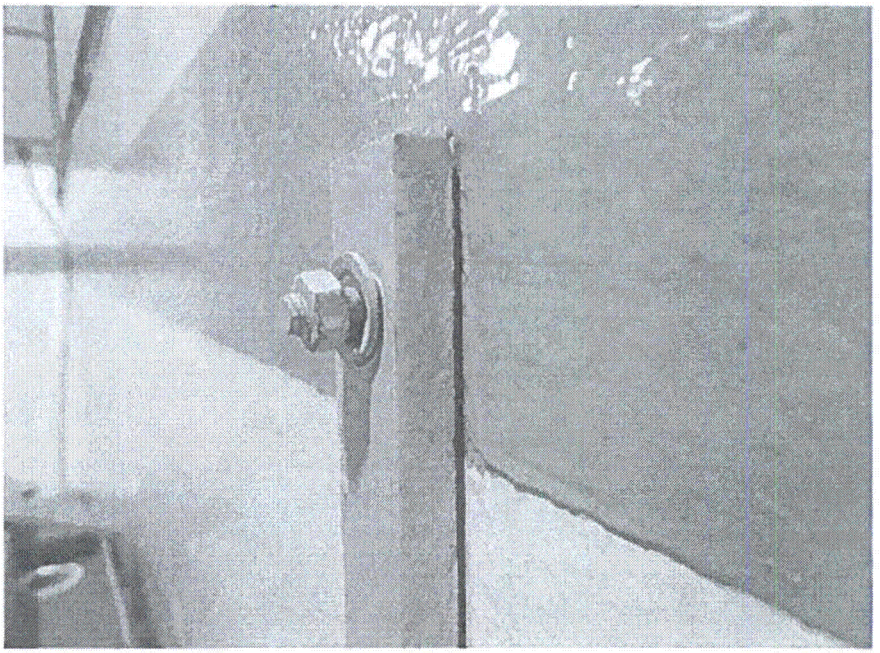
Wesley Williams *9/25/2012*

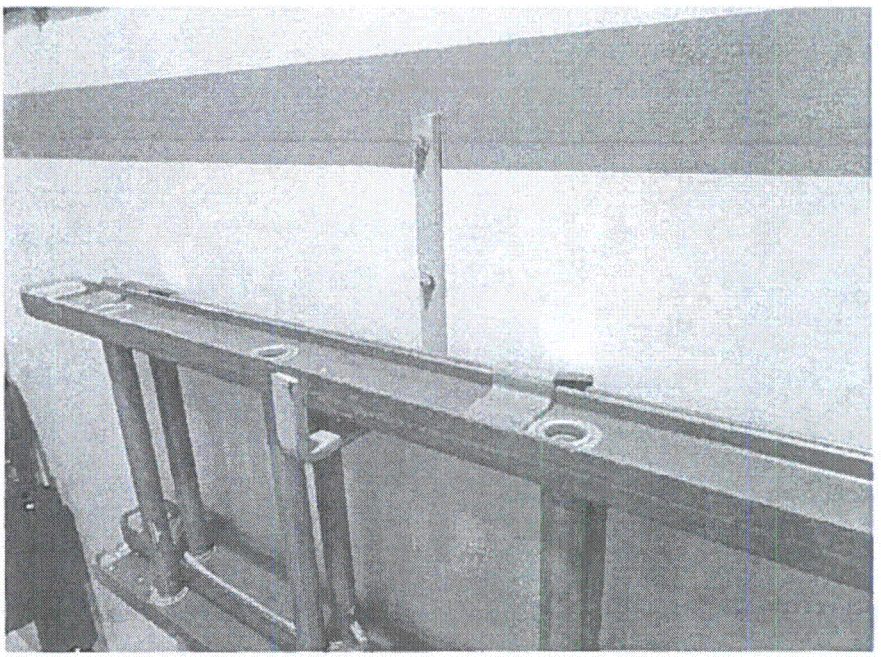
Status: Y☒ N☐ U☐

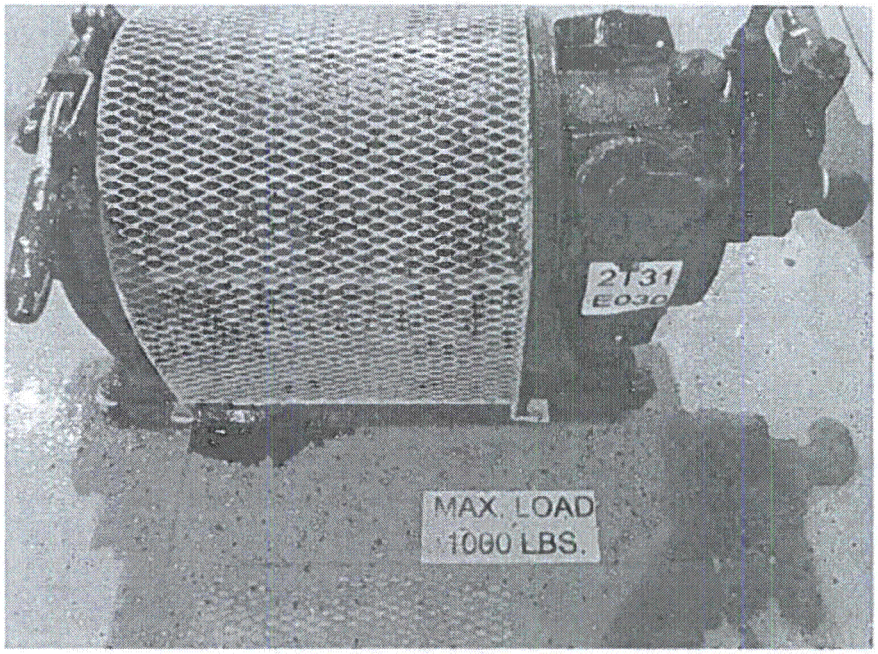
Area Walk-By Checklist (AWC)

Location: Bldg. *REACTOR* Floor El. *158* Room, Area[1] *RL – RE and R14 – R19*

Photographs






2T31
E030
MAX. LOAD
1000 LBS.

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *REACTOR* Floor El. *87* Room, Area[1] *Torus Room Bay 9*

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)? Y☒ N☐ U☐ N/A☐

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

   There are two flexible conduits attached to the 2G51-F012 Torus Water Cleanup Outboard Isolation that are touching adjacent conduits. In both cases, the pair of conduits are light and have adequate flexibility, and are at similar locations such that the conduit pairs will likely move together. The conduits are rugged enough that any incidental contact between the conduits will not cause damage to the cables inside, so there is no potentially adverse seismic condition.

[1] If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Sheet 2 of 4

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *REACTOR* Floor El. *87* Room, Area[1] *Torus Room Bay 9*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y☒ N☐ U☐ N/A☐

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

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

Comments (Additional pages may be added as necessary)

Evaluated by: *John McFarland* Date: *09/26/2012*

Jeff Horton *09/26/2012*

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *REACTOR* Floor El. *87* Room, Area[1] *Torus Room Bay 9*

Photographs

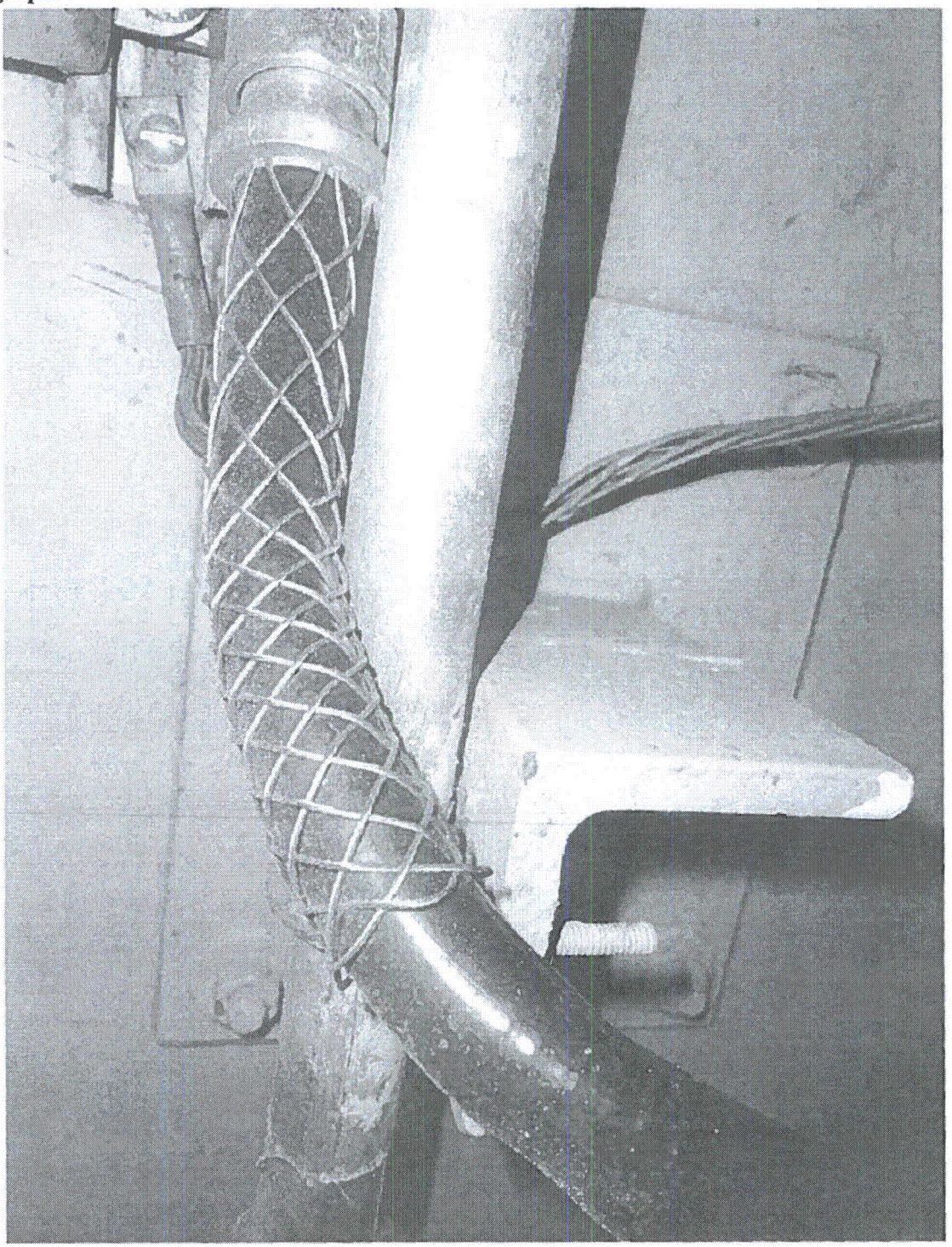


Figure 1 – First Conduit Pair with Limited Gap (Unit 2 Torus Room Bay 9)

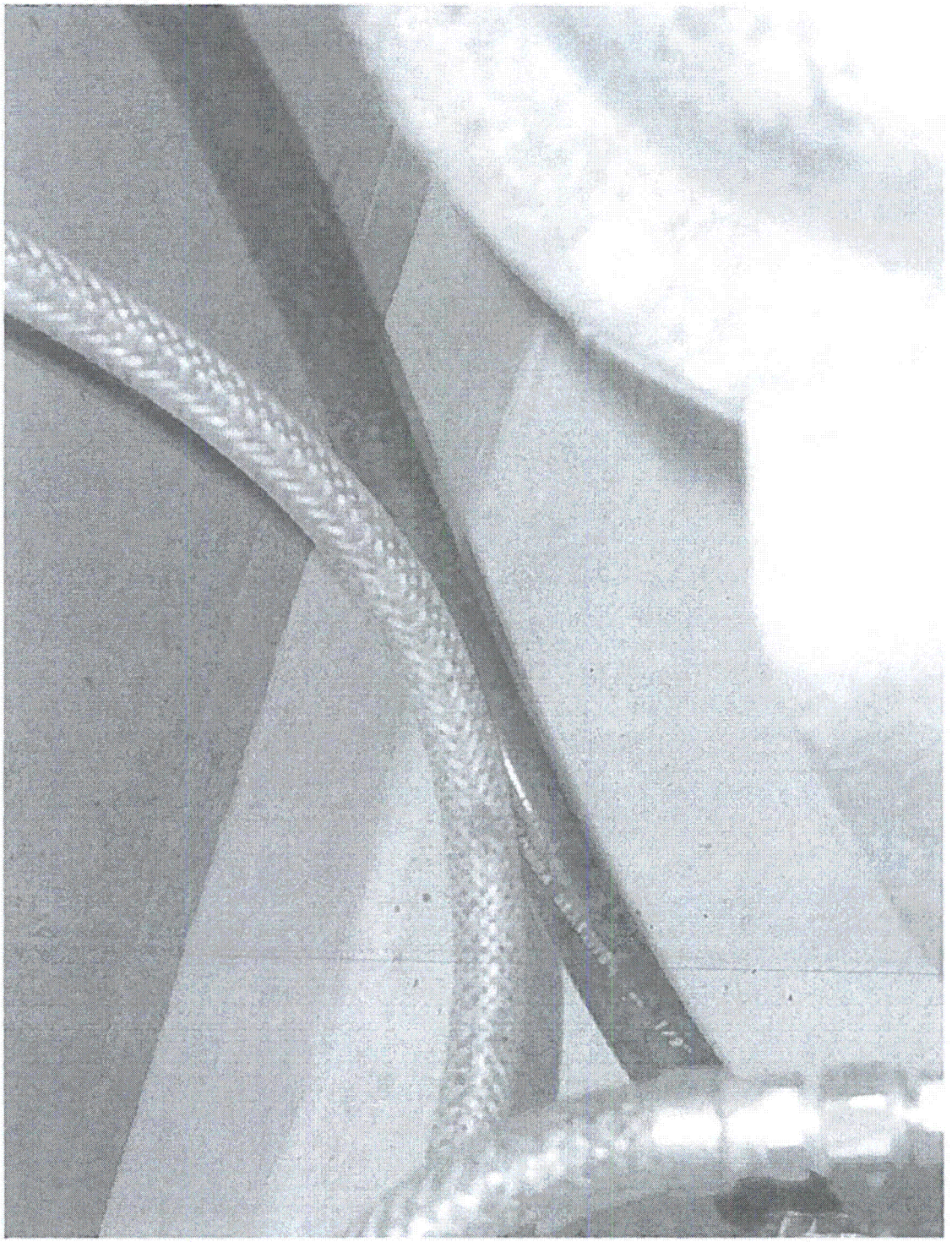


Figure 2 – Second Conduit Pair with Limited Gap (Unit 2 Torus Room Bay 9)

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *REACTOR* Floor El. *118* Room, Area[1] *Unit 2 SE Diagonal*

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)? Y☒ N☐ U☐ N/A☐

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐
   There is a junction box above conduit 2MR9314 with two out of six cover plate screws missing (CR 525221). The cover plate is very light, and the four remaining screws have sufficient capacity to restrain the cover plate, so there is no potentially adverse seismic condition.

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)? Y☒ N☐ U☐ N/A☐

[1] If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *REACTOR* Floor El. *118* Room, Area[1] *Unit 2 SE Diagonal*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y☒ N☐ U☐ N/A☐

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

8. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area? Y☒ N☐ U☐
There is a bent tension rod on a pipe spring can support. Since the rod is clearly designed to resist tension loads only, the small bend in the rod will not adversely affect the rod's structural capacity. Therefore, there is no potentially adverse seismic condition.

Comments (Additional pages may be added as necessary)

Evaluated by: *John McFarland* Date: *09/26/2012*

Jeff Horton *09/26/2012*

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *REACTOR* Floor El. *118* Room, Area[1] *Unit 2 SE Diagonal*

Photographs

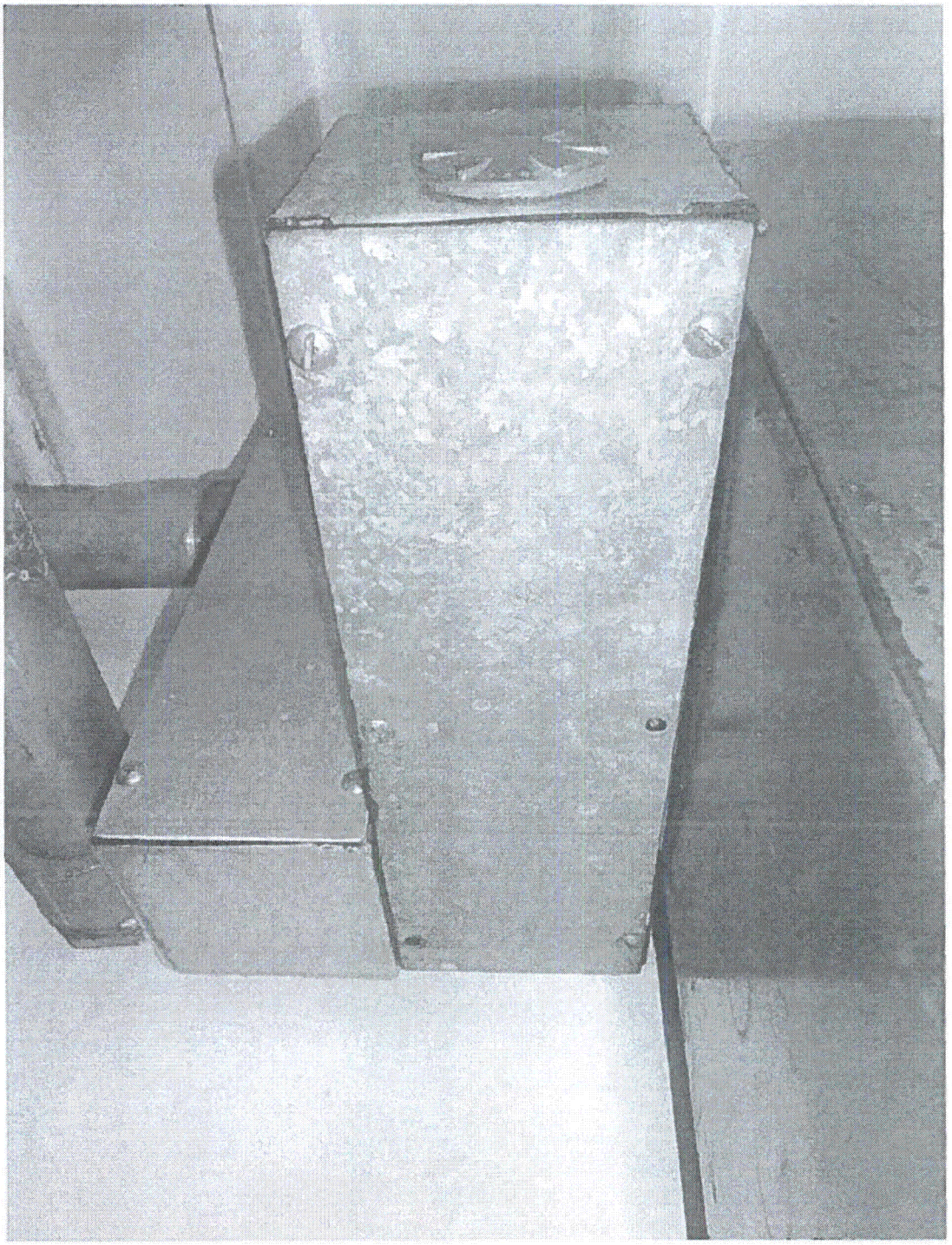


Figure 1 – Missing Cover Plate Screws (Unit 2 SE Diagonal)

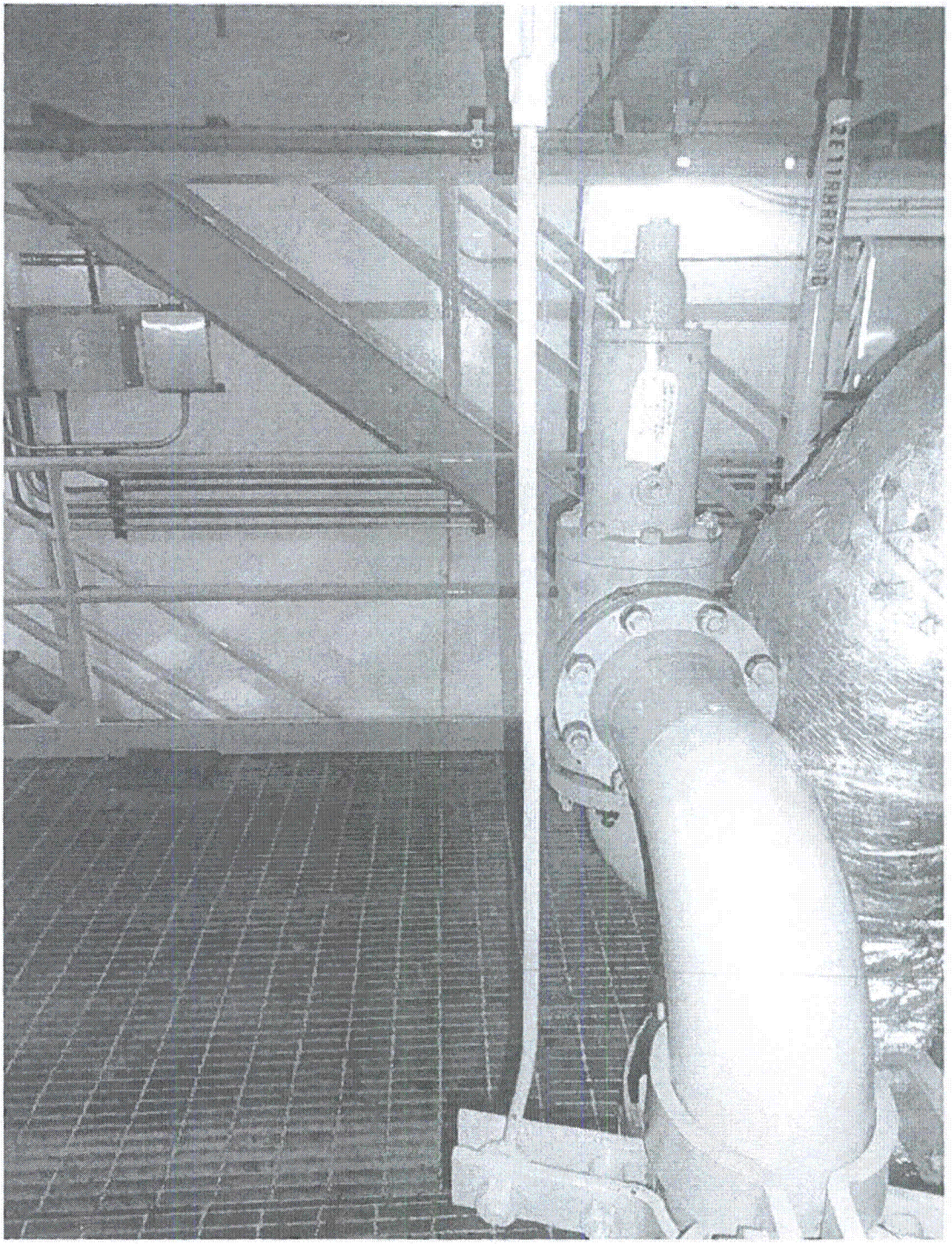


Figure 2 – Bent Tension Rod (Unit 2 SE Diagonal)

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *Reactor* Floor El. *119* Room, Area[1] *NE Diagonal Room*

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)? Y☒ N☐ U☐ N/A☐

2. Does anchorage of equipment in the area appear to be free of significant degraded conditions? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

[1] If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *Reactor* Floor El. *119* Room, Area[1] *NE Diagonal Room*

5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Y☒ N☐ U☐ N/A☐

6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Y☒ N☐ U☐ N/A☐

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)? Y☒ N☐ U☐ N/A☐

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

Comments (Additional pages may be added as necessary)

Clip angle in upper platform steel with drill hole then welded to web of wide flange. This appears to be a change in structural steel methodology. The weld is on three sides of the clip angle and the SWE's have determine the weld has sufficient seismic capacity compared to the original design .

Support base-plate abandoned in place with anchors missing. SWE's have determined that the anchorage of this base-plate is seismically acceptable because there are no loads applied.

Evaluated by: *John McFarland* Date: *09/24/2012*

Jeff Horton *09/24/2012*

Status: Y☒ N☐ U☐

Area Walk-By Checklist (AWC)

Location: Bldg. *Reactor* Floor El. *119* Room, Area[1] *NE Diagonal Room*

Photographs:

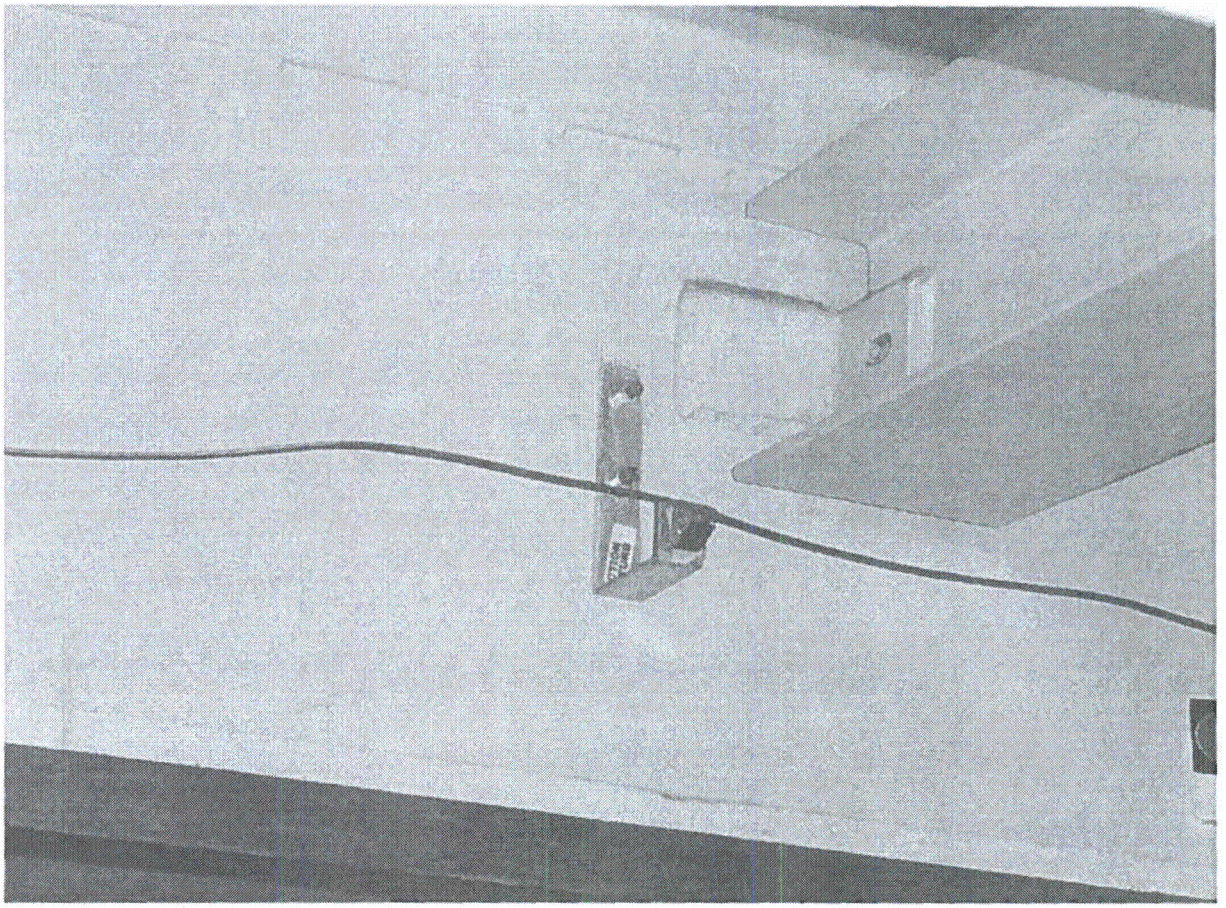


Figure 1: Drilled Clip Angle Welded to Web of Small Wide Flange

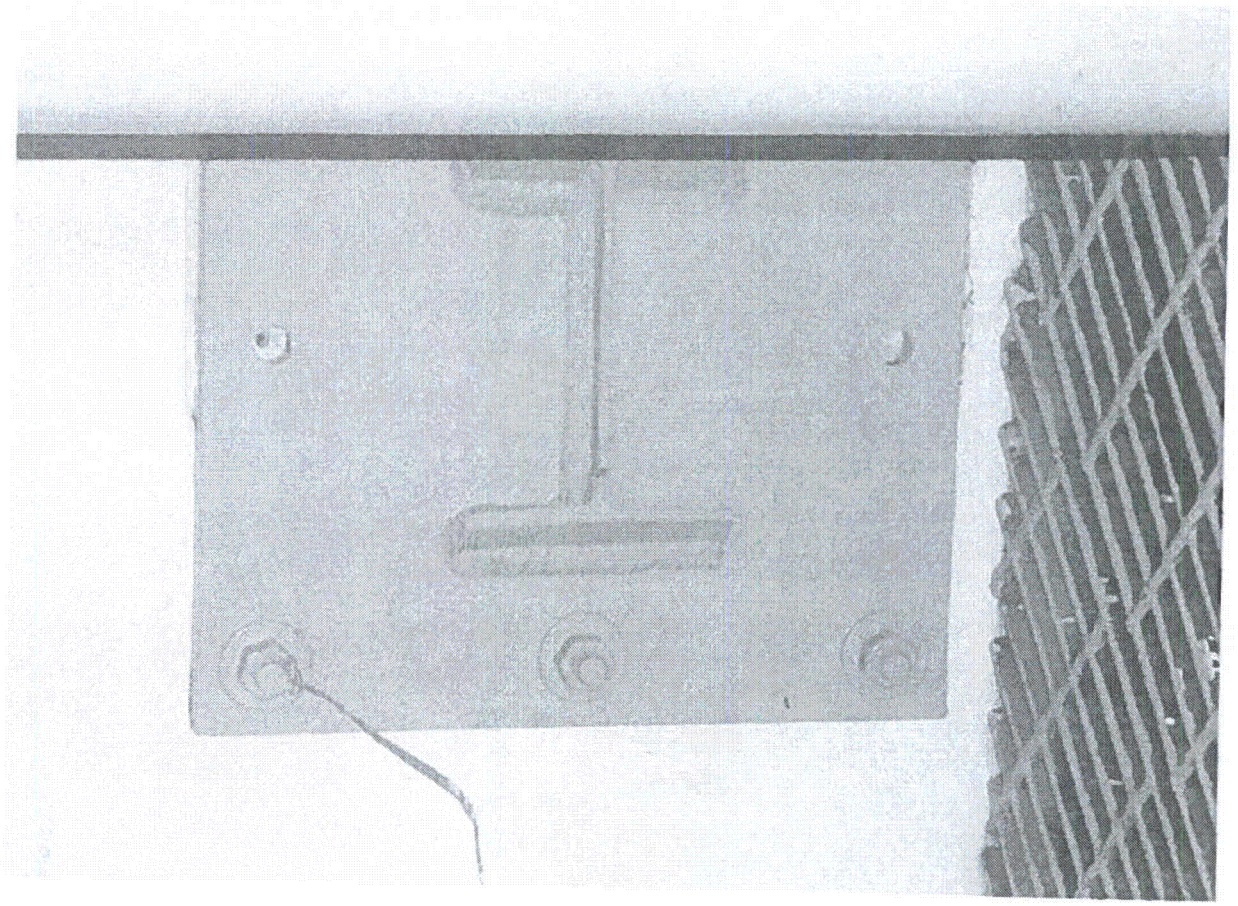


Figure 2: Abandoned in Place Base-Plate