

Sheet 1 of 2  
 Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No: 1-1501-A7-004-000 Equip. Class<sup>1</sup> 10 - Air Handlers

Equipment Description CTB Cooling Unit & Motor

Location: Bldg. CTB Floor El. 220'±0" Room, Area 1401 Near Column #16

Manufacturer, Model, Etc. (optional but recommended) CVI Corporation *238'-0" U.S. 9/26/12 W.S. 9/26/12*

**Instructions for Completing Checklist**

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. 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.

**Anchorage**

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?  Y  N  U
  
2. Is the anchorage free of bent, broken, missing or loose hardware?  Y  N  U  N/A
  
3. Is the anchorage free of corrosion that is more than mild surface oxidation?  Y  N  U  N/A
  
4. Is the anchorage free of visible cracks in the concrete near the anchors?  Y  N  U  N/A  
*Base are bolted to structural steel.*
  
5. Is the anchorage configuration consistent with plant documentation?  Y  N  U  N/A  
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)  
*Dwg. AX4AJ16-002-9.*
  
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  Y  N  U

<sup>1</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

Sheet 2 of 2  
Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No. 1-1501-A7-004-000 Equip. Class<sup>1</sup> 10 – Air Handlers

Equipment Description CTB Cooling Unit & Motor

**Interaction Effects**

7. Are soft targets free from impact by nearby equipment or structures?  Y  N  U  N/A

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?  Y  N  U  N/A

9. Do attached lines have adequate flexibility to avoid damage?  Y  N  U  N/A  
*Mild oxidation found on u-bolt pipe support was judged to be acceptable.*

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?  Y  N  U

**Other Adverse Conditions**

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

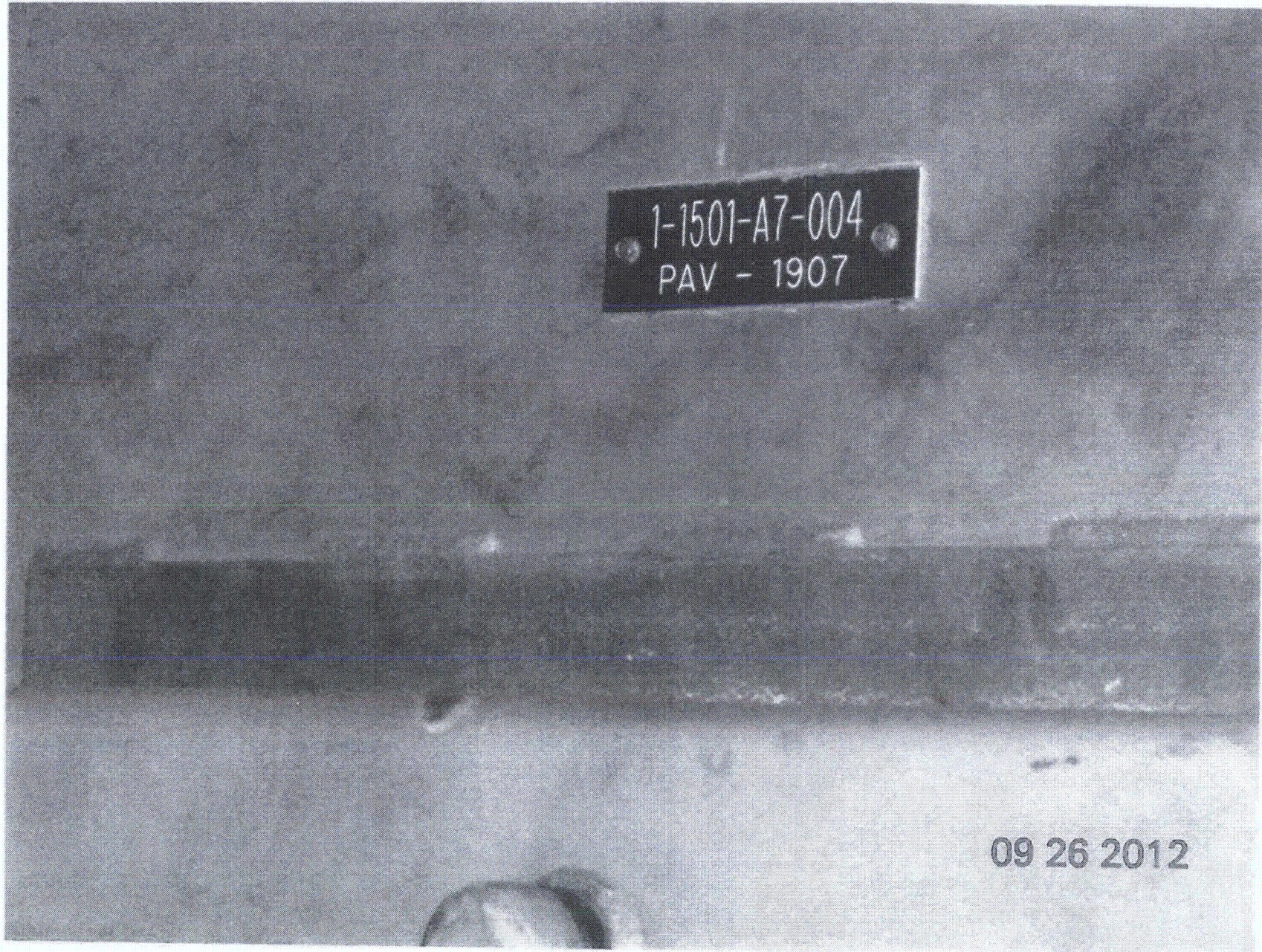
*One bolt on the upper flange of the fan was skew however the bolt head and nut were tight against the flange. Also, two screws which attach the grating cover of the fan were missing. These bolting conditions were judged to be acceptable based on the relatively low structural demand on*

**Comments** (Additional pages may be added as necessary) *The bolts and condition of the remaining bolts.*

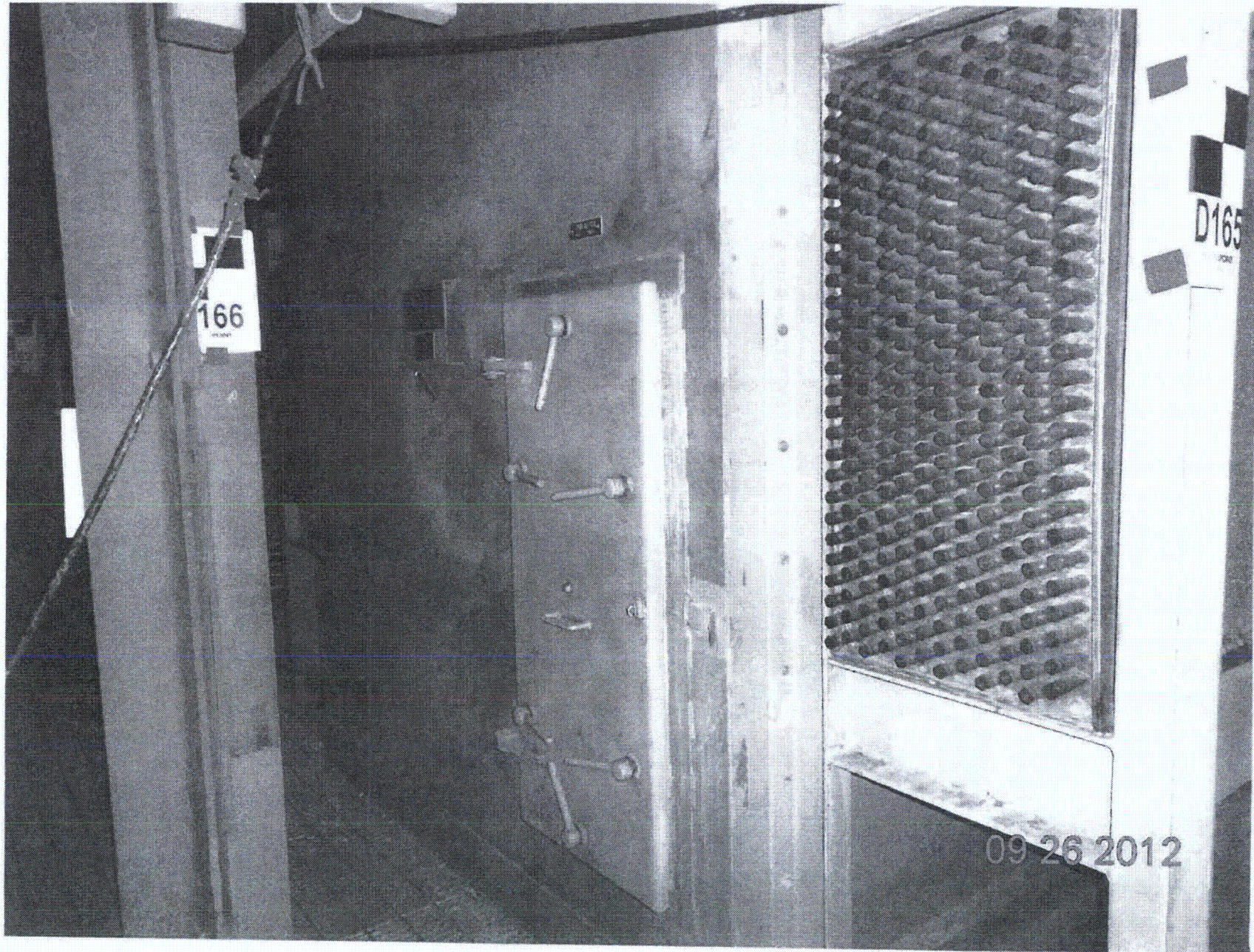
*None*

Evaluated by: J. Lopez / Frank C. Yoo Date: 9/26/12  
W. Stewart / Winston Stewart Date: 9/26/12











Sheet 1 of 2  
 Status:  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No. 1-HV-0442B Equip. Class<sup>1</sup> 8 - Motor-Operated and Solenoid-Operated Valves

Equipment Description Reactor Head Letdown Line Control SOV

Location: Bldg. CTB Floor El. 184'-0" Room, Area Near Column # 18

Manufacturer, Model, Etc. (optional but recommended) Target Rock Corp.

**Instructions for Completing Checklist**

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. 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.

**Anchorage**

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?  Y  N
  
2. Is the anchorage free of bent, broken, missing or loose hardware?  Y  N  U  N/A
  
3. Is the anchorage free of corrosion that is more than mild surface oxidation?  Y  N  U  N/A
  
4. Is the anchorage free of visible cracks in the concrete near the anchors?  Y  N  U  N/A
  
5. Is the anchorage configuration consistent with plant documentation?  
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)  Y  N  U  N/A
  
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  Y  N  U

<sup>1</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

Sheet 2 of 2  
Status:  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No. 1-HV-0442B Equip. Class<sup>1</sup> 8 – Motor-Operated and Solenoid-Operated Valves

Equipment Description Reactor Head Letdown Line Control SOV

**Interaction Effects**

7. Are soft targets free from impact by nearby equipment or structures?  Y  N  U  N/A

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?  Y  N  U  N/A

9. Do attached lines have adequate flexibility to avoid damage?  Y  N  U  N/A

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?  Y  N  U

**Other Adverse Conditions**

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

*Insulation is installed on the piping and valve. Welded joints connecting valve to piping (socket welds) are covered. However, this is not a seismic concern. The valve body is partially covered, but bonnet and operator is exposed. U.S. 9/25/12*

**Comments** (Additional pages may be added as necessary)

*None*

*SEE 1-LT-0469R FOR AWC*

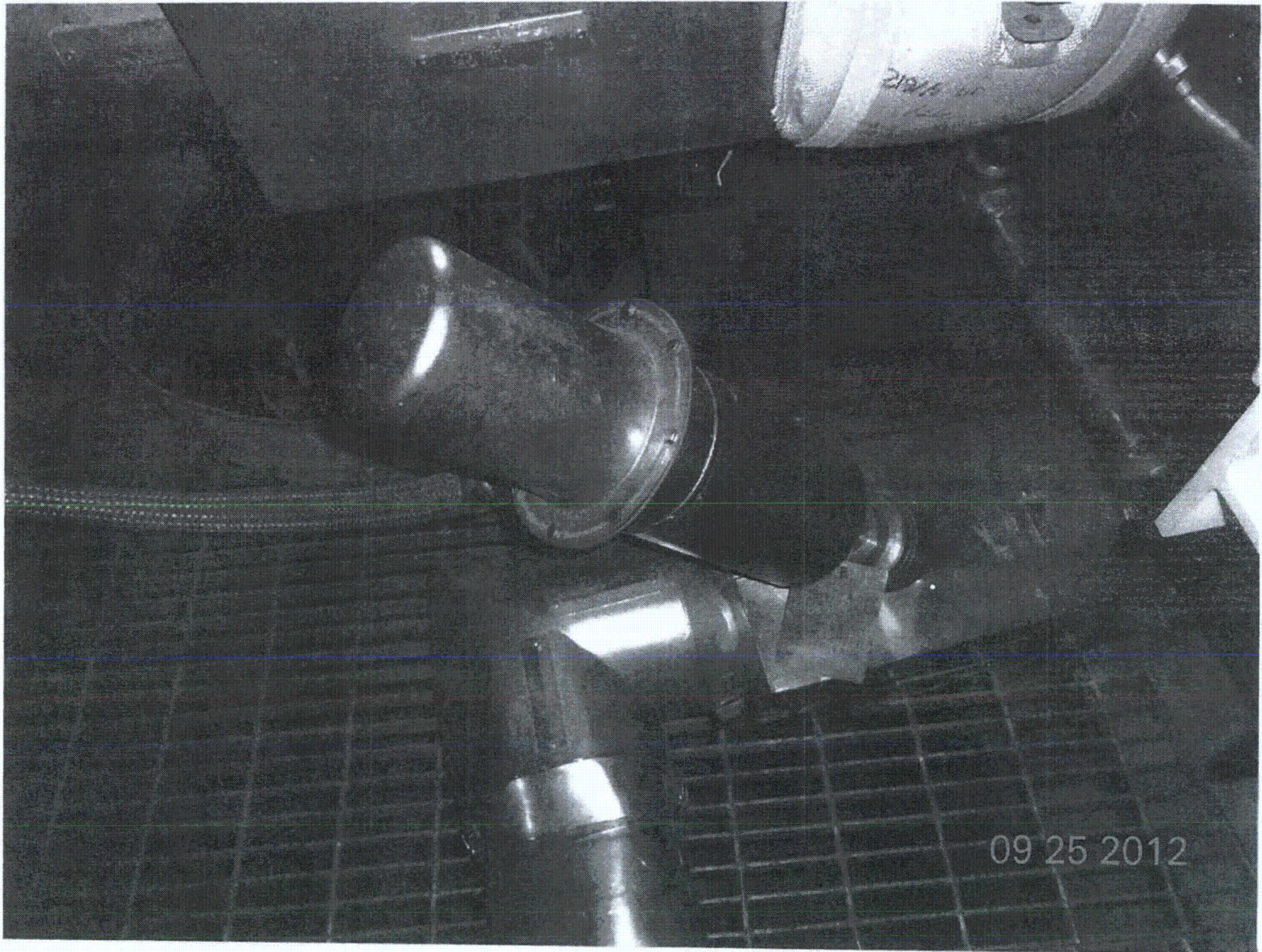
Evaluated by: Winston Stewart / WJS Date: 09/25/2012

Frank Xiao / FX Date: 9/25/12

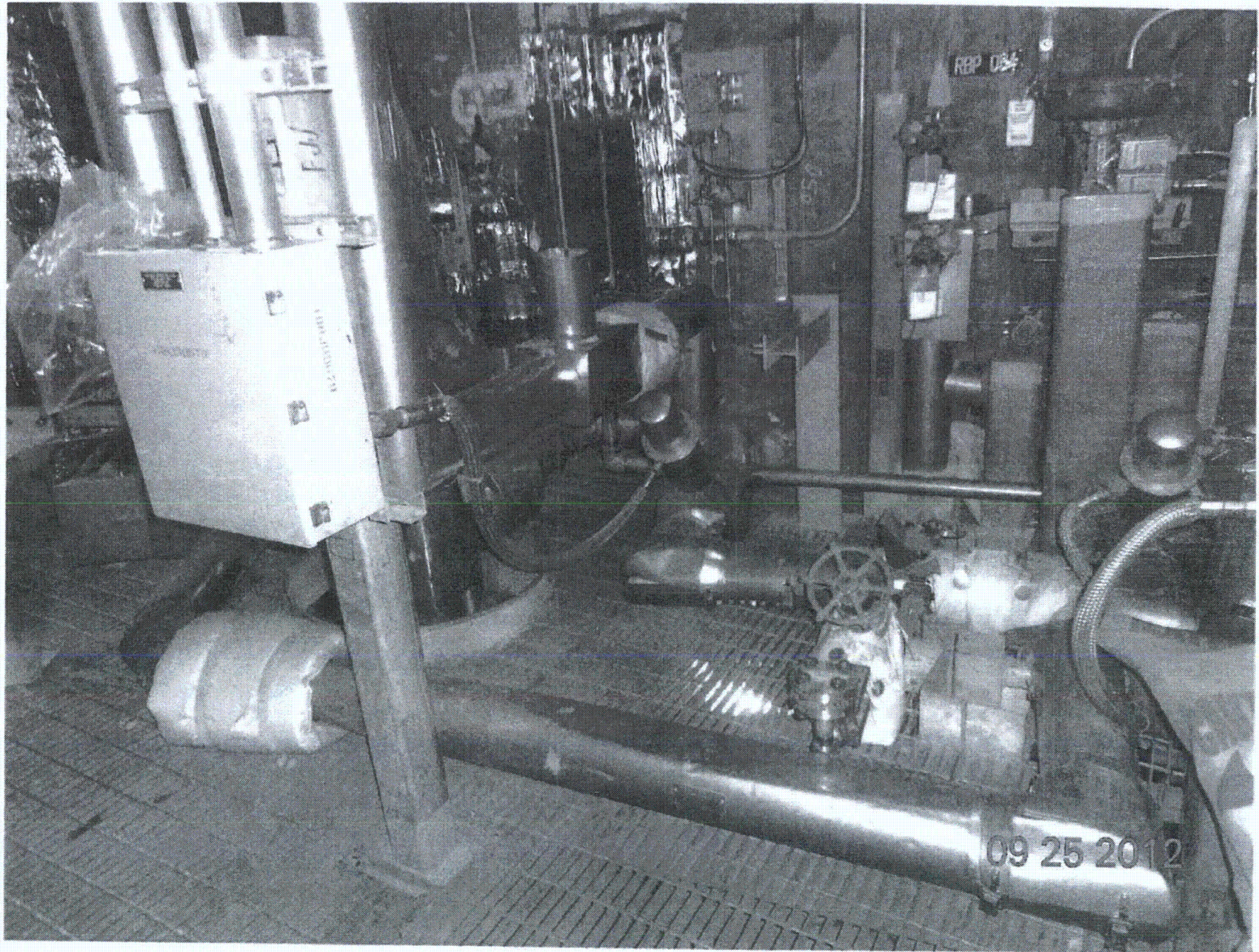














Sheet 1 of 2  
 Status:  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No. 1-HV-0780 Equip. Class: 7 - Pneumatic-Operated Valves

Equipment Description: Normal CTB Sump Pump Discharge AOV

Location: Bldg. CTB Floor El. 184'-0" Room/Area Near Column # 12

Manufacturer, Model, Etc. (optional but recommended) 1972's D.S. 9/25/12 Anchor/Darling Valve Co.

**Instructions for Completing Checklist**

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. 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.

**Anchorage**

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?  Y  N
  
2. Is the anchorage free of bent, broken, missing or loose hardware?  Y  N  U  N/A  
*Inspected horizontal rigid frame which acts as a seismic restraint for the valve.*
  
3. Is the anchorage free of corrosion that is more than mild surface oxidation?  Y  N  U  N/A
  
4. Is the anchorage free of visible cracks in the concrete near the anchors?  Y  N  U  N/A  
*Welded to structural steel*
  
5. Is the anchorage configuration consistent with plant documentation?  Y  N  U  N/A  
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
  
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  Y  N  U

<sup>1</sup> Enter the equipment class name from Appendix B: Classes of Equipment.



**Seismic Walkdown Checklist (SWC)**

Equipment ID No: 1-HV-0780 Equip. Class: 7 - Pneumatic-Operated Valves

Equipment Description: Normal CTB Sump Pump Discharge AOV

**Interaction Effects**

7. Are soft targets free from impact by nearby equipment or structures?  Y  N  U  N/A

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?  Y  N  U  N/A

*Near by ext sign W.S. 9/25/12 sign has a loose cover. The cover is not a seismic concern to the valve or other components in the area due to the relatively small mass of the cover. RSP. CR 540127*

9. Do attached lines have adequate flexibility to avoid damage?  Y  N  U  N/A

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?  Y  N  U

**Other Adverse Conditions**

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

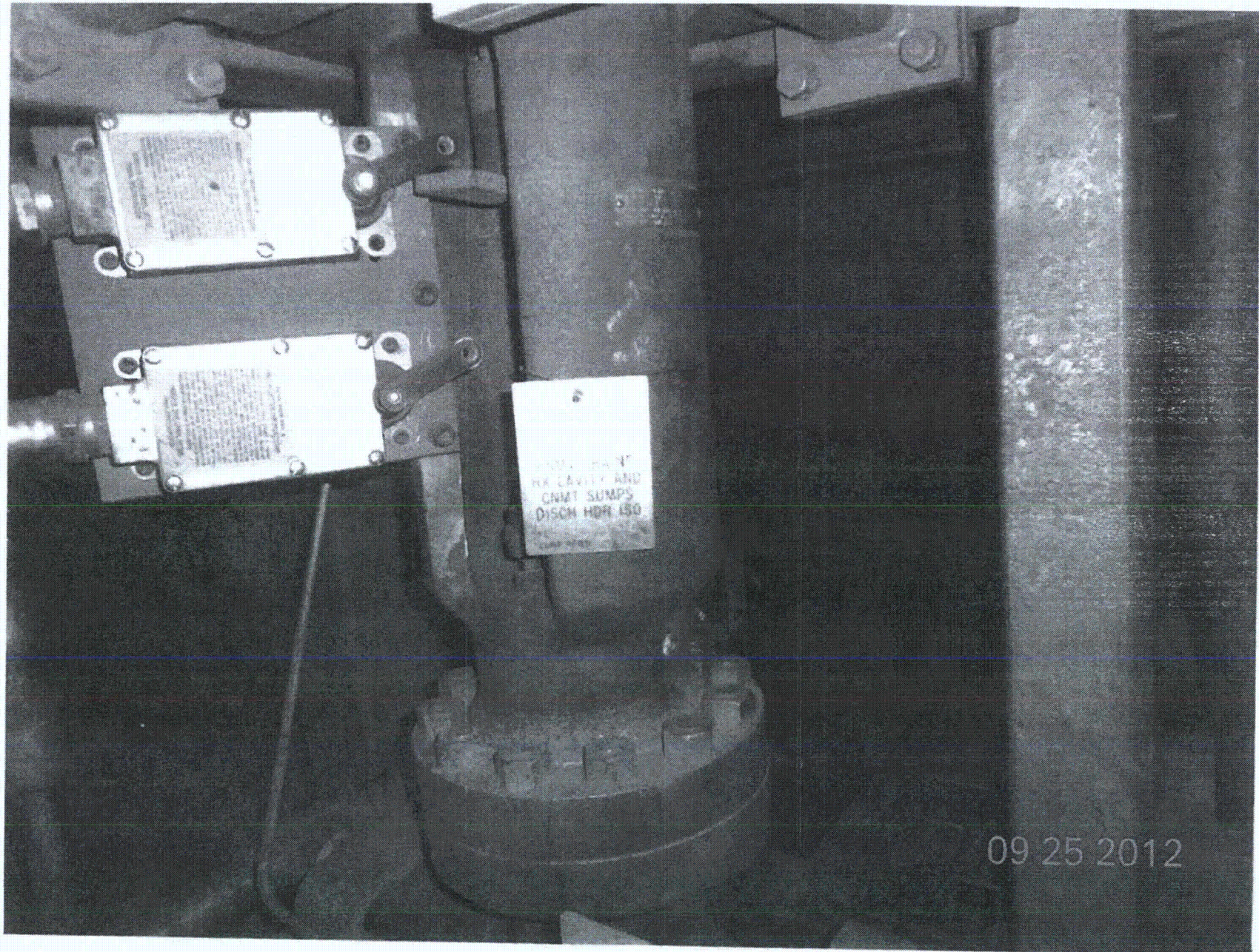
*Scaffolding installed near the valve was adequately restrained for seismic loads.*

**Comments** (Additional pages may be added as necessary)

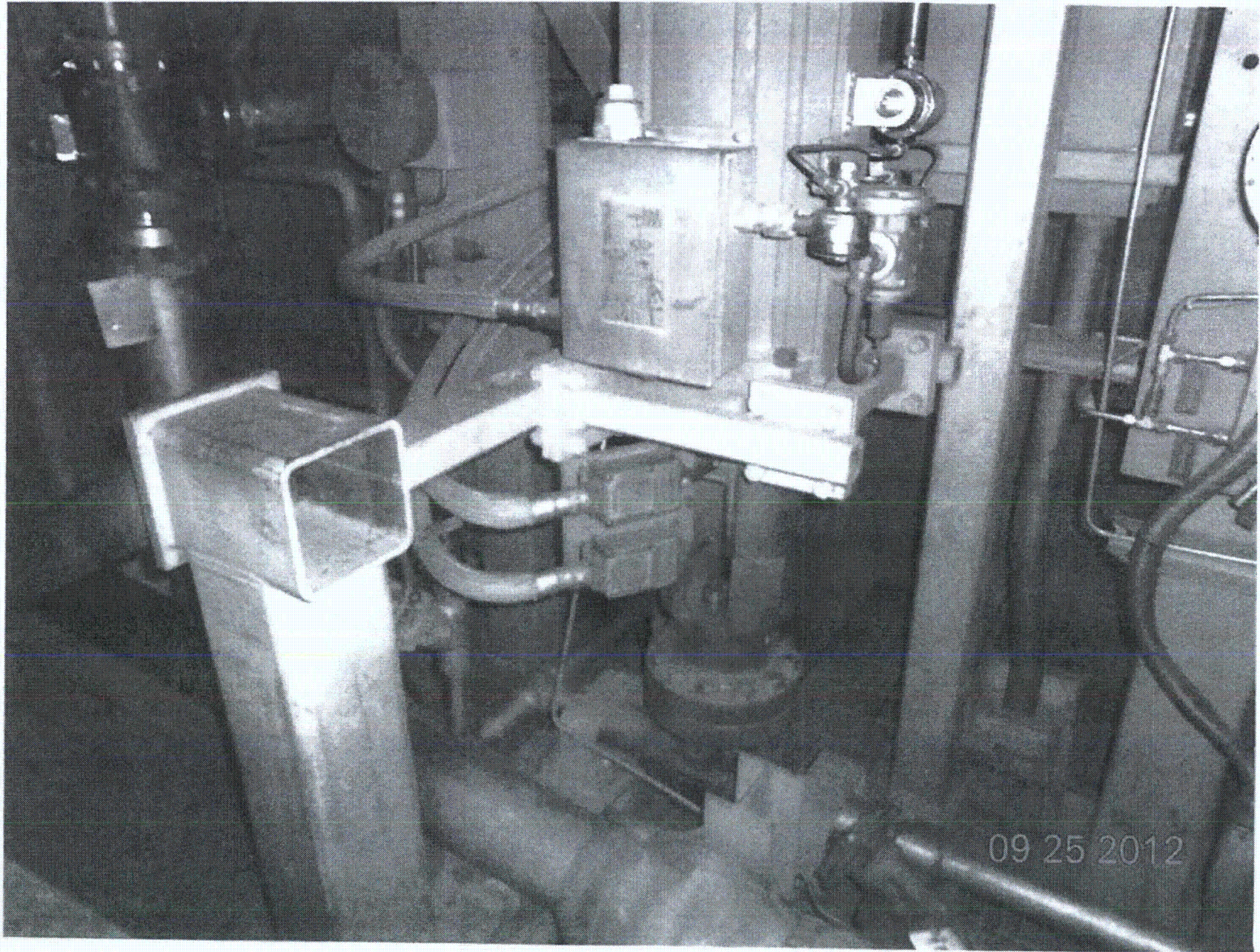
*None.*

Evaluated by: J. L. ... / Frank YAO Date: 9/25/12  
W. Stewart / Winston Stewart Date: 09/25/2012











**Seismic Walkdown Checklist (SWC)**

Equipment ID No. 1-HV-0943A Equip. Class<sup>12</sup> 8

Equipment Description ACCUMULATOR NITROGEN HDR VENT -SDV

**Interaction Effects**

7. Are soft targets free from impact by nearby equipment or structures?  Y  N  U  N/A

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?  Y  N  U  N/A

9. Do attached lines have adequate flexibility to avoid damage?  Y  N  U  N/A

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?  Y  N  U

**Other Adverse Conditions**

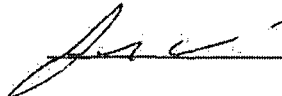
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?  Y  N  U

**Comments** (Additional pages may be added as necessary)

NONE

NOTE PIC TAKEN & SWC PERFORMED JUST AFTER COMPONENT RETURNED TO SERV FROM PM WORK. CLEAN UP IN PROGRESS.

Evaluated by: JUSTO S. CHACON /  Date: 10/1/12

 / Jose R. Hernandez Date: 10/01/12

<C4>

**Seismic Walkdown Checklist (SWC)**

Equipment ID No. 1-HV-0943A Equip. Class<sup>12</sup> B

Equipment Description ACCUMULATOR NITROGEN HDR VENT -SOV

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?  Y  N  U  N/A

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?  Y  N  U  N/A

9. Do attached lines have adequate flexibility to avoid damage?  Y  N  U  N/A

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?  Y  N  U

Other Adverse Conditions

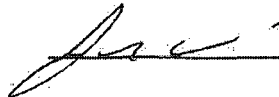
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?  Y  N  U

Comments (Additional pages may be added as necessary)

NONE

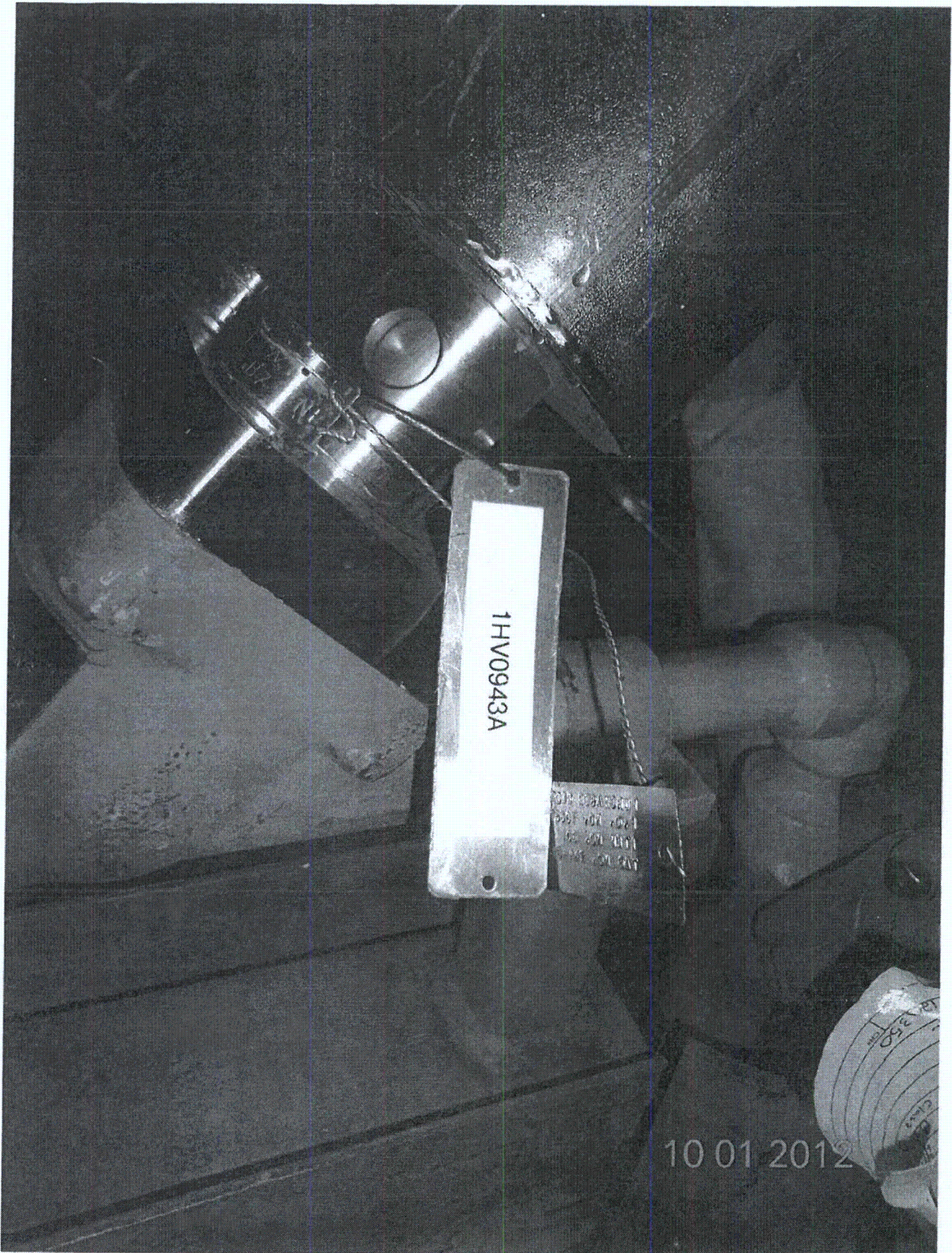
NOTE PIC TAKEN. SWC PERFORMED JUST AFTER COMPONENT RETURNED TO SERV FROM PM WORK. CLEAN UP IN PROGRESS

Evaluated by: JUSTO S. CHACON /  Date: 10/1/12

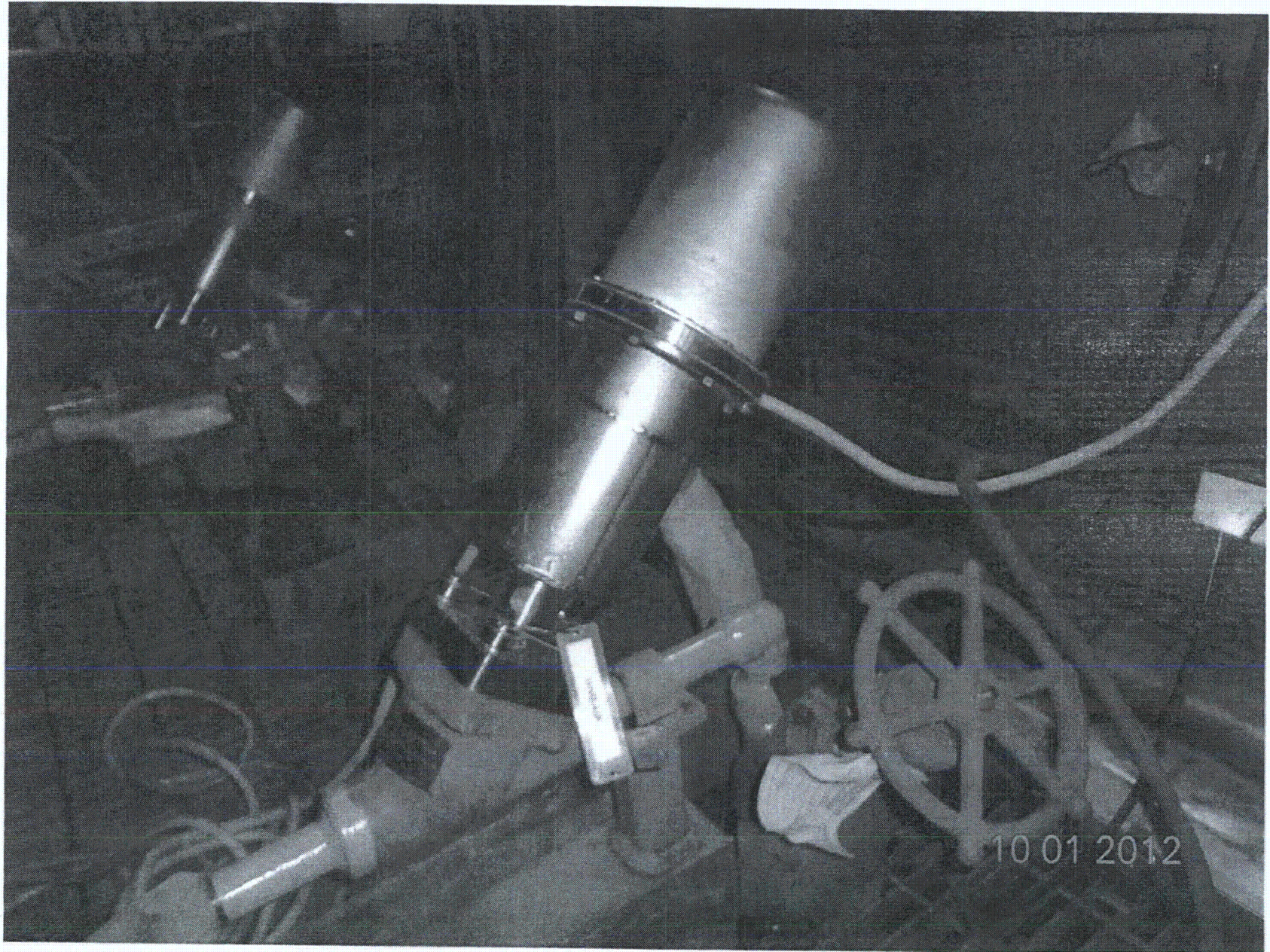
 / José R. Hernandez 10/01/12

< C.4 >











Sheet 1 of 2  
 Status:  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No. 1-HV-1974 Equip. Class<sup>1</sup> 8 - Motor-Operated and Solenoid-Operated Valves

Equipment Description: ACCW Return From RCP Coolers MOV

Location: Bldg. CTB Floor El. 198'-0" Room, Area H101 (NEAR COLUMN #18)

Manufacturer, Model, Etc. (optional but recommended) Fisher US 9/25/12

**Instructions for Completing Checklist**

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. 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.

**Anchorage**

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?  Y  N  U
  
2. Is the anchorage free of bent, broken, missing or loose hardware?  Y  N  U  N/A
  
3. Is the anchorage free of corrosion that is more than mild surface oxidation?  Y  N  U  N/A
  
4. Is the anchorage free of visible cracks in the concrete near the anchors?  Y  N  U  N/A
  
5. Is the anchorage configuration consistent with plant documentation?  Y  N  U  N/A  
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
  
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  Y  N  U

<sup>1</sup> Enter the equipment class name from Appendix B: Classes of Equipment.



Sheet 2 of 2  
 Status:  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No: 1-HV-1974 Equip. Class: 8 - Motor-Operated and Solenoid-Operated Valves

Equipment Description: ACCW Return From RCP Coolers MOV

Interaction Effects

7. Are soft targets free from impact by nearby equipment or structures?  Y  N  U  N/A

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?  Y  N  U  N/A

*Only structural steel and grating above - satisfactory installation.*

9. Do attached lines have adequate flexibility to avoid damage?  Y  N  U  N/A

*Flexible conduits attached*

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?  Y  N  U

Other Adverse Conditions

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

*Scaffolding around and near component is seismically installed - well supported.*

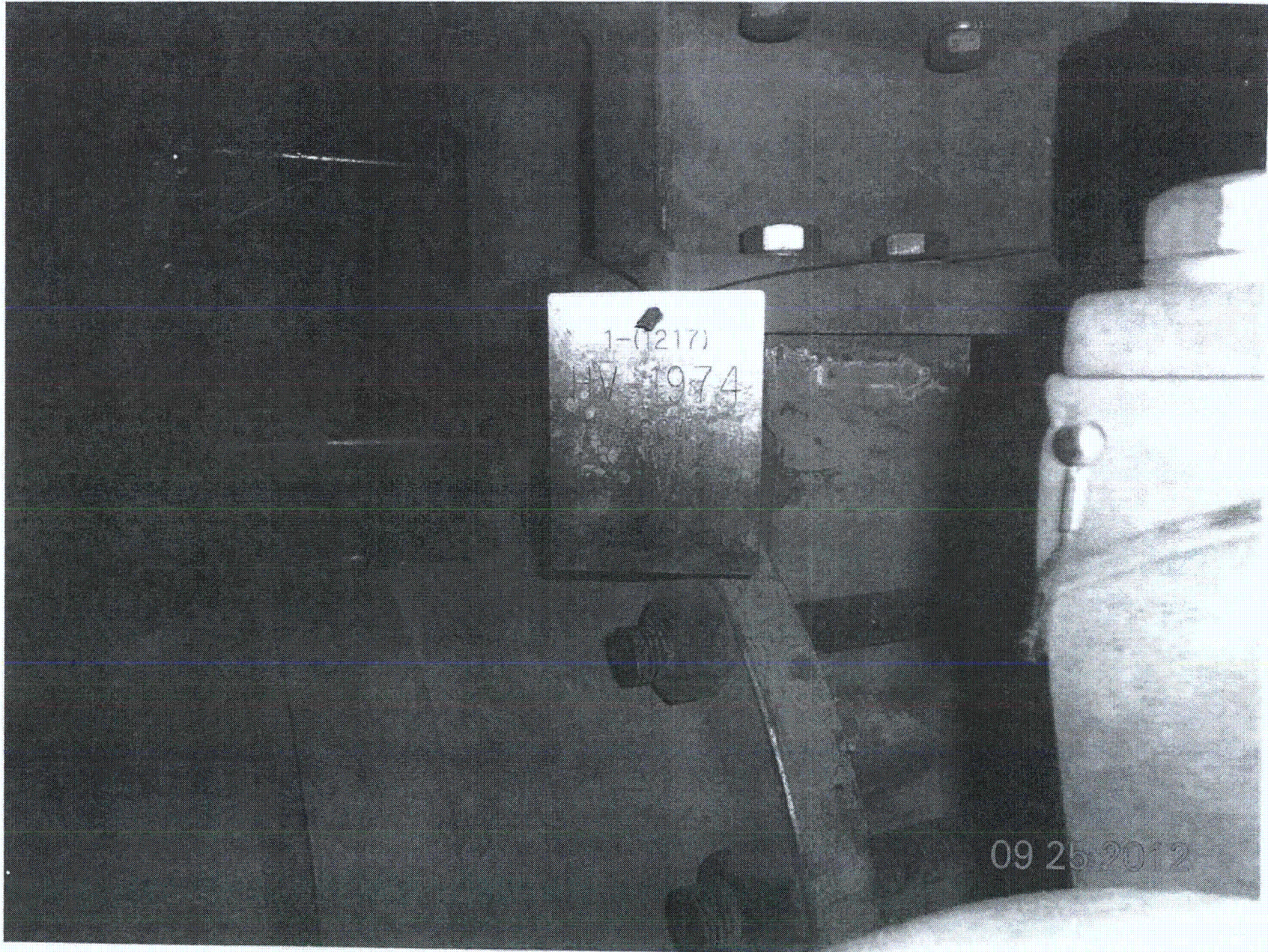
Comments (Additional pages may be added as necessary)

*None.*

Evaluated by: Frank Yoo / Frank Yoo Date: 9/25/12

Winston Stewart / Winston Stewart Date: 09/25/2012







Sheet 1 of 2

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No. 1-HV-8154 Equip. Class<sup>1</sup> 7 - Pneumatic-Operated Valves

Equipment Description Excess Letdown Isolation AOV

Location: Bldg. CTB Floor El. 184'-0" Room, Area Near Column # 18 & 19

Manufacturer, Model, Etc. (optional but recommended) Copes

**Instructions for Completing Checklist**

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. 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.

**Anchorage**

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?  Y  N
  
2. Is the anchorage free of bent, broken, missing or loose hardware?  Y  N  U  N/A  
*SEE COMMENT FOR Q# 6 BELOW*
  
3. Is the anchorage free of corrosion that is more than mild surface oxidation?  Y  N  U  N/A  
*SEE COMMENT FOR Q# 6 BELOW*
  
4. Is the anchorage free of visible cracks in the concrete near the anchors?  Y  N  U  N/A  
*Connected to structural steel*
  
5. Is the anchorage configuration consistent with plant documentation?  Y  N  U  N/A  
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
  
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  Y  N  U  
*Anchor inspection considers the rigid restraint for valve operator.*

<sup>1</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

Sheet 2 of 2  
 Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No: 1-HV-8154 Equip. Class: 7 - Pneumatic-Operated Valves

Equipment Description: Excess Letdown Isolation AOV

**Interaction Effects**

7. Are soft targets free from impact by nearby equipment or structures?  Y  N  U  N/A

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?  Y  N  U  N/A

9. Do attached lines have adequate flexibility to avoid damage?  Y  N  U  N/A

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?  Y  N  U

**Other Adverse Conditions**

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

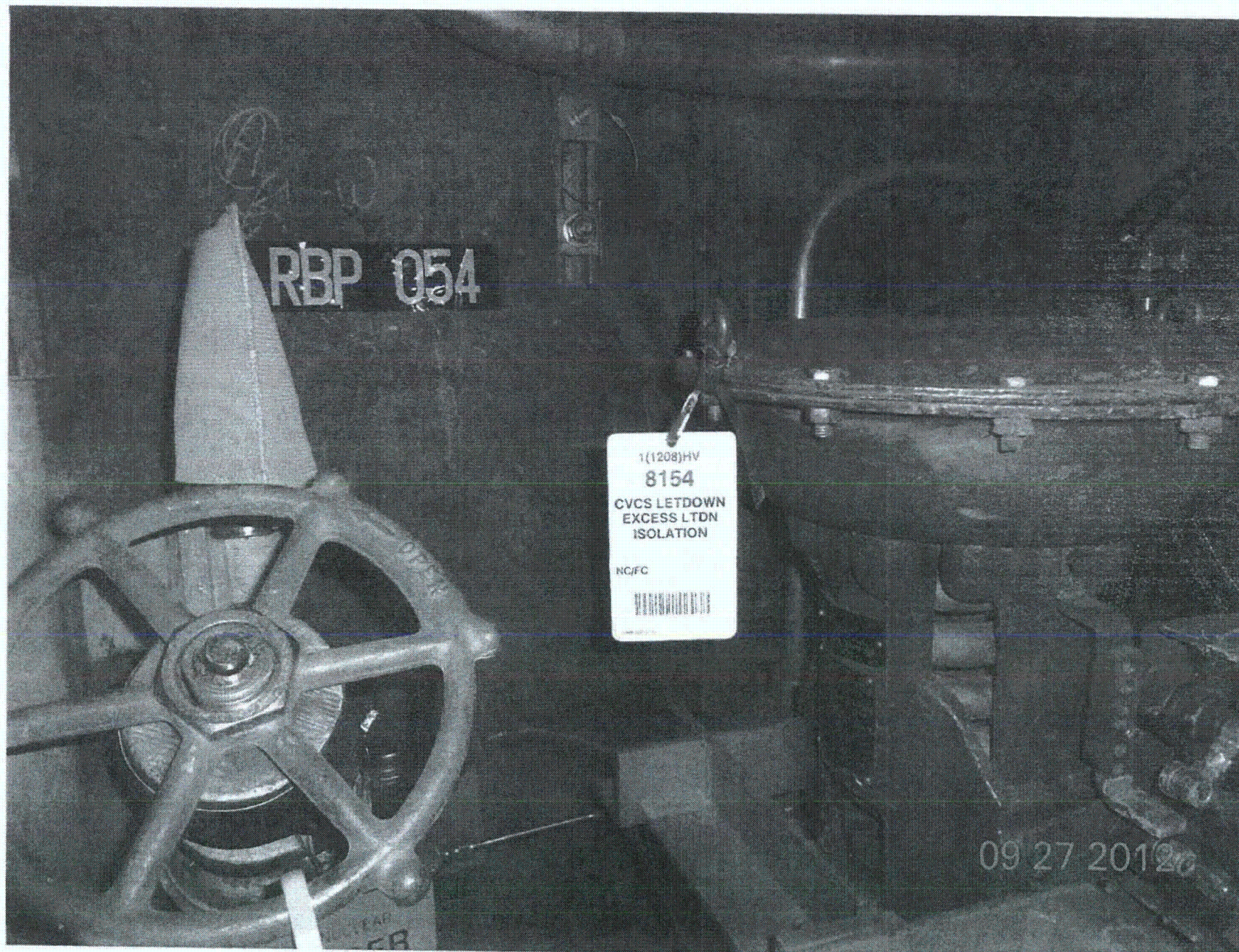
**Comments** (Additional pages may be added as necessary)

Observed open FME cover for adjacent component (1-DT-R17-01304).

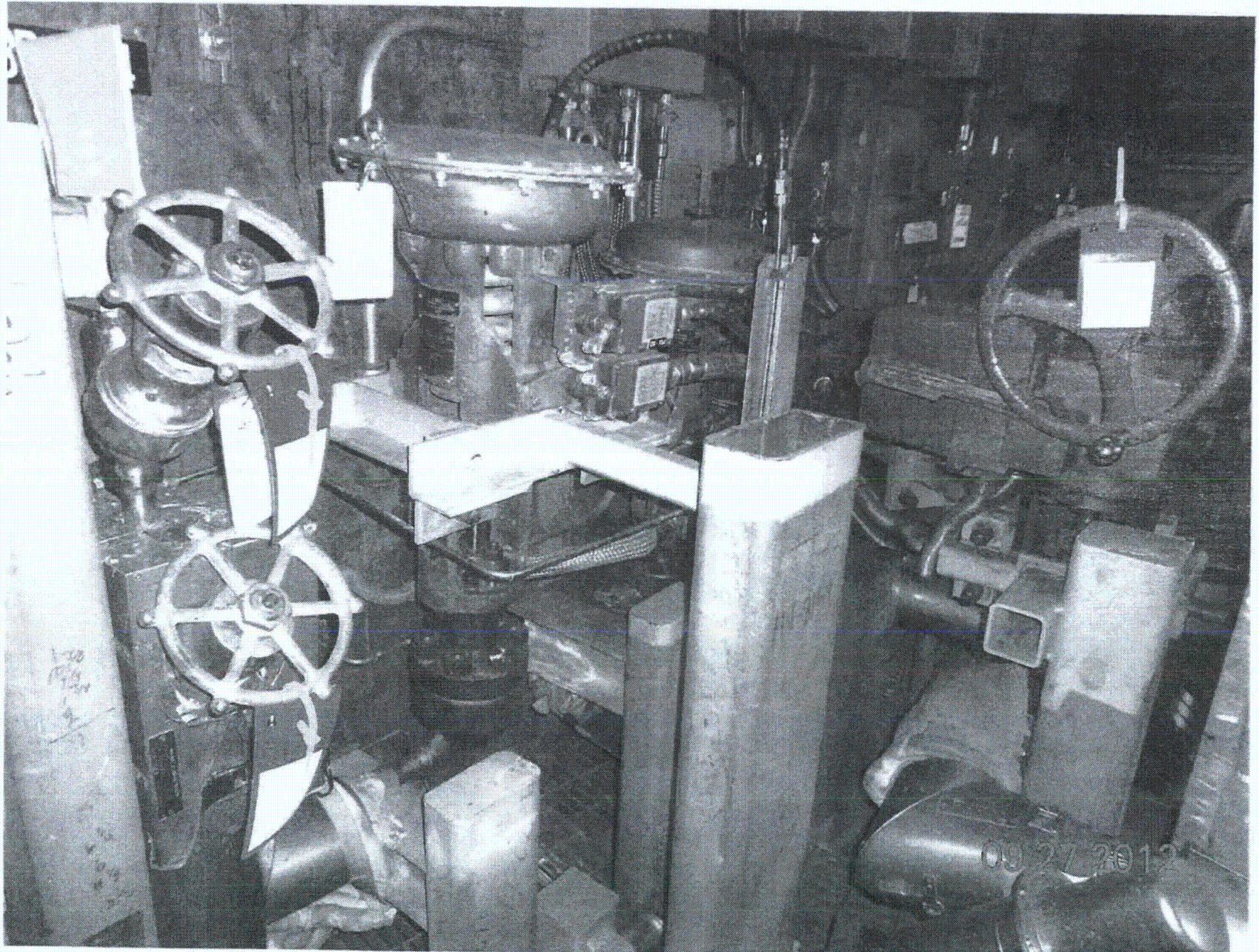
SEE 1-LT-0459 FOR AWC

Evaluated by: WST / Winston Stewart Date: 09/27/2012  
Julio / Frank Yoo Date: 9/27/12

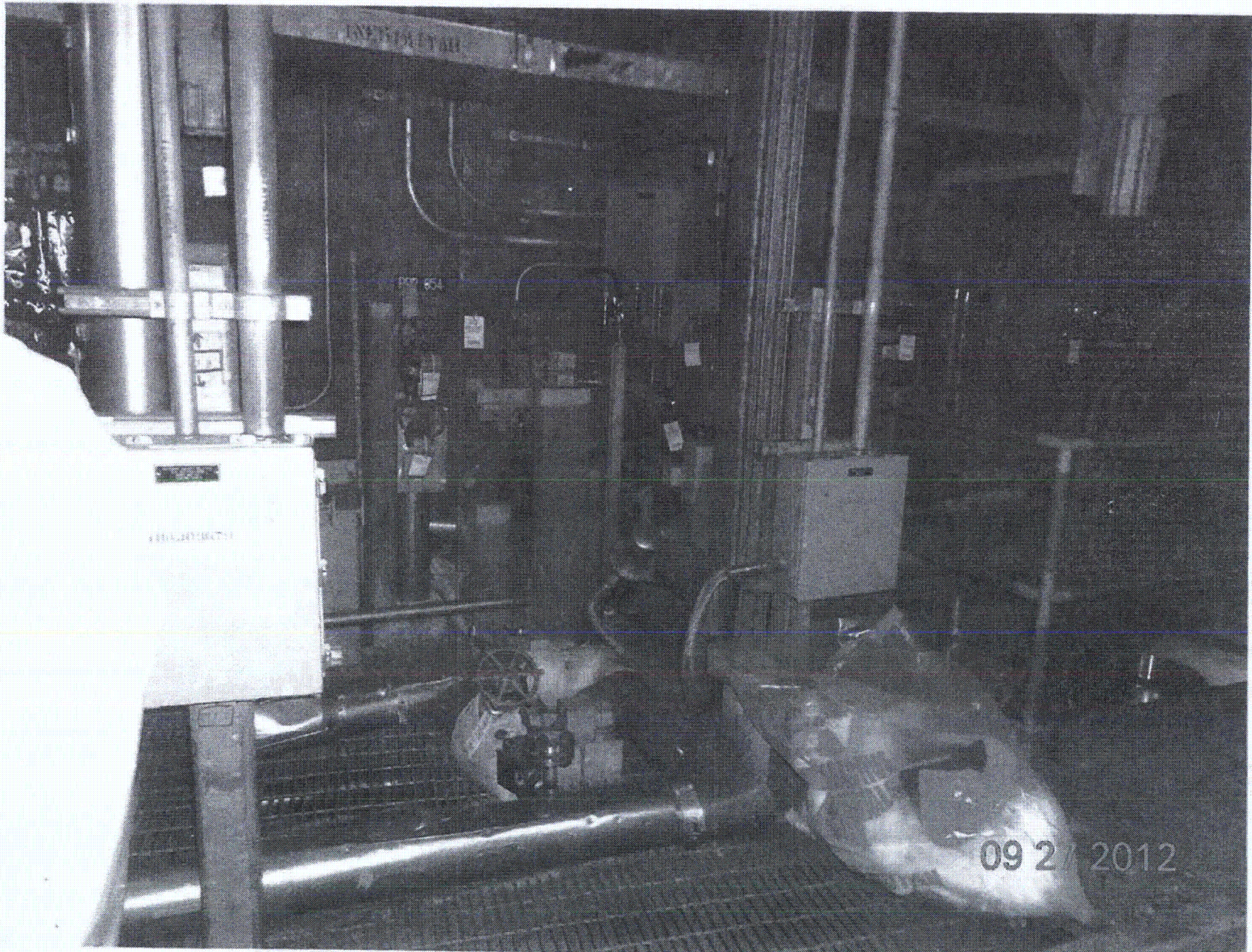




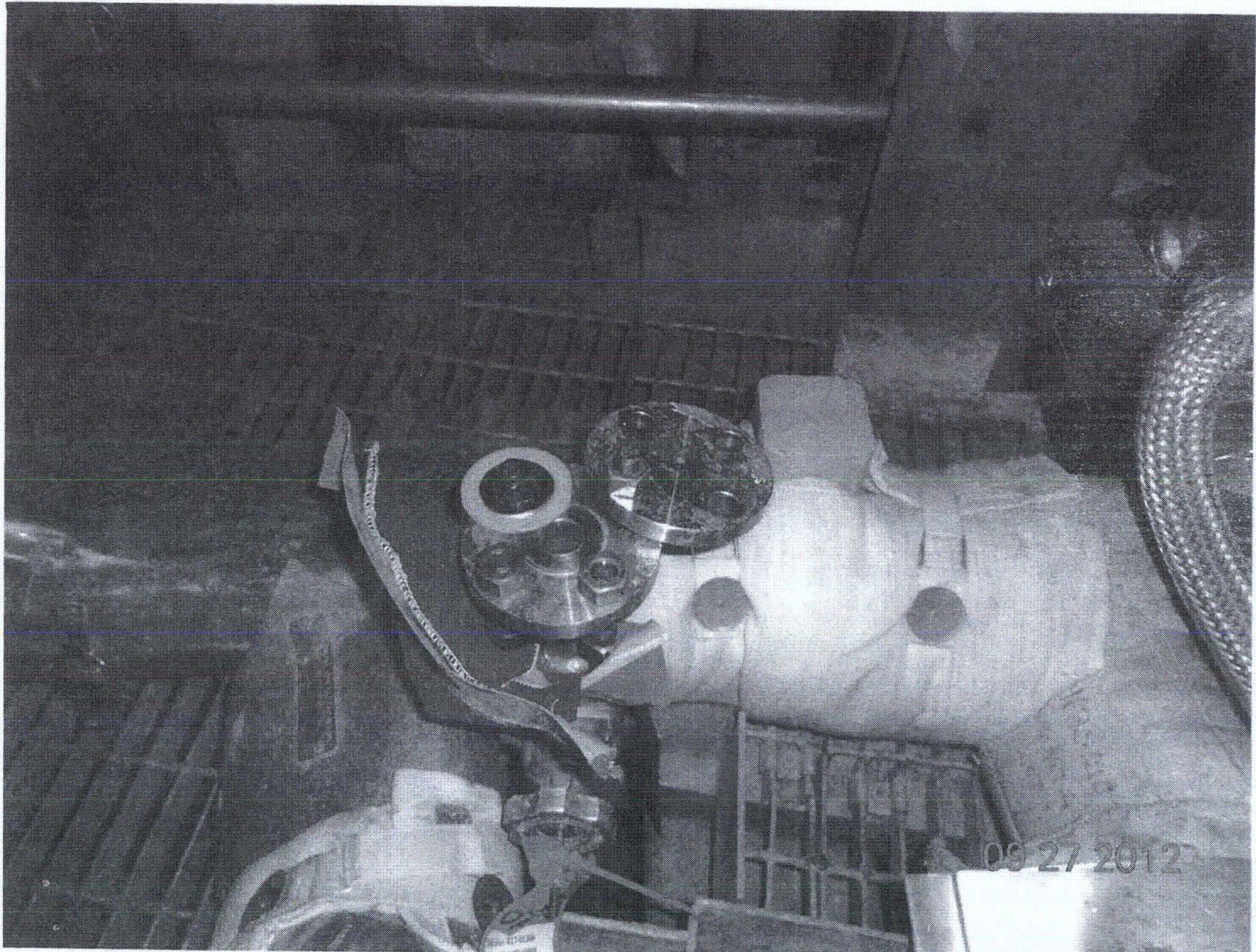














Sheet 1 of 2

Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No. 1-HV-8875D Equip. Class<sup>1</sup> 8 - Motor-Operated and Solenoid-Operated Valves

Equipment Description Accumulator 4 Nitrogen Vent-Solenoid Operated Valve

Location: Bldg. CTB Floor El. 184'-0" Room, Area Near Column # 16

Manufacturer, Model, Etc. (optional but recommended) Target Rock Corp.

**Instructions for Completing Checklist**

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. 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.

**Anchorage**

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?  Y  N  U
  
2. Is the anchorage free of bent, broken, missing or loose hardware?  Y  N  U  N/A
  
3. Is the anchorage free of corrosion that is more than mild surface oxidation?  Y  N  U  N/A
  
4. Is the anchorage free of visible cracks in the concrete near the anchors?  Y  N  U  N/A
  
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)  Y  N  U  N/A
  
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  Y  N  U

<sup>1</sup>Enter the equipment class name from Appendix B: Classes of Equipment.

Sheet 2 of 2  
Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No. 1-HV-8875D Equip. Class: 8 - Motor-Operated and Solenoid-Operated Valves  
Equipment Description Accumulator 4 Nitrogen Vent-Solenoid Operated Valve

**Interaction Effects**

- 7. Are soft targets free from impact by nearby equipment or structures?  Y  N  U  N/A
  
- 8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?  Y  N  U  N/A
  
- 9. Do attached lines have adequate flexibility to avoid damage?  Y  N  U  N/A
  
- 10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?  Y  N  U

**Other Adverse Conditions**

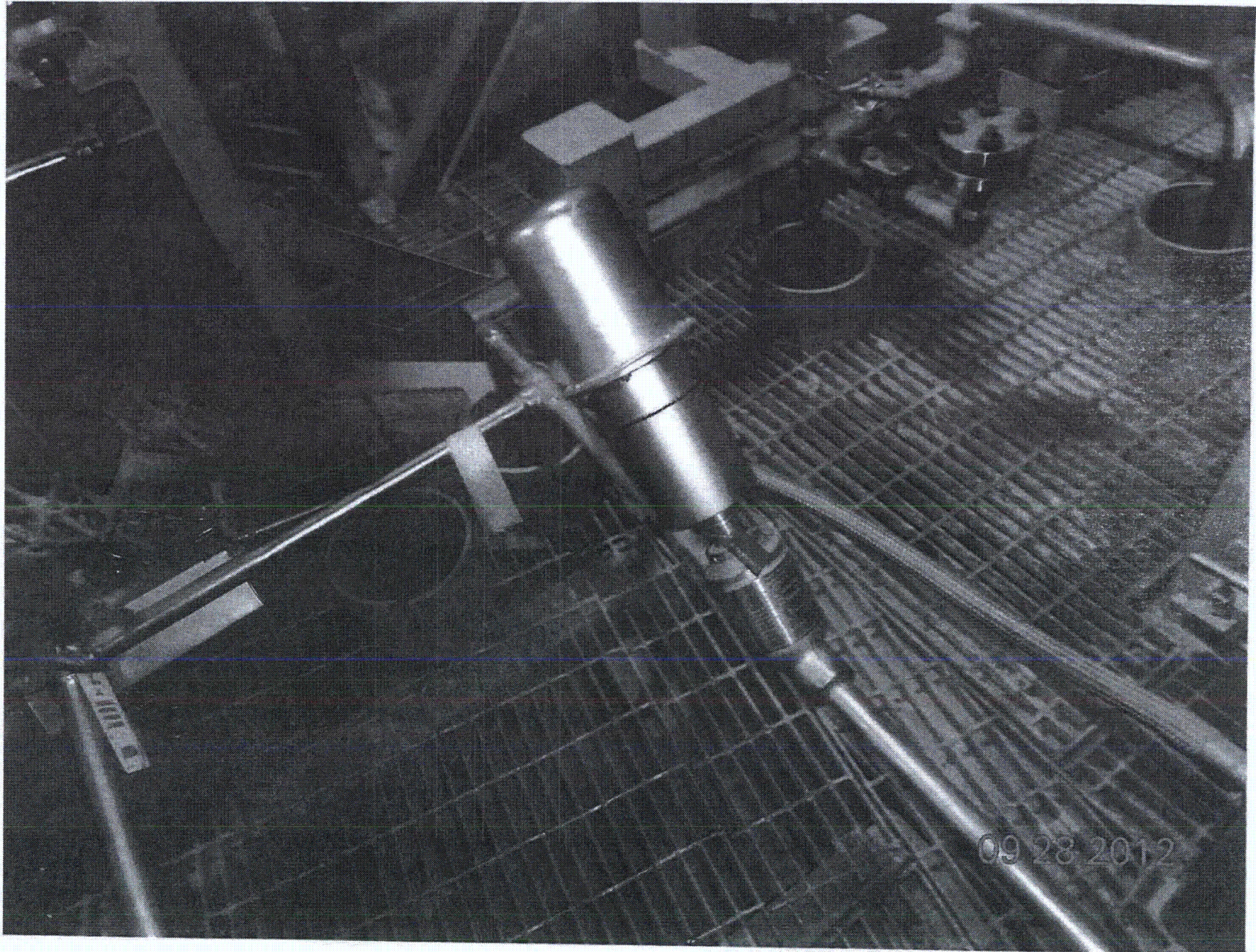
- 11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?  Y  N  U

**Comments** (Additional pages may be added as necessary)

*None*

Evaluated by: J. Hagan / Frank C. Yao Date: 9/28/12  
W. Stewart / Winston Stewart Date: 09/28/2012







Sheet 1 of 2  
 Status:  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No. 1-LT-0459R Equip. Class<sup>1</sup> 18 - Instrument Racks

Equipment Description Pressurizer Level

Location: Bldg. CTB Floor El. 184'-0" Room, Area RB02 W.S. 9/25/12 NEAR COLUMN LINE #2

Manufacturer, Model, Etc. (optional but recommended) Rosemount

**Instructions for Completing Checklist**

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. 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.

**Anchorage**

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?  Y  N  U
  
2. Is the anchorage free of bent, broken, missing or loose hardware?  Y  N  U  N/A  
*Welded to Base plate*
  
3. Is the anchorage free of corrosion that is more than mild surface oxidation?  Y  N  U  N/A
  
4. Is the anchorage free of visible cracks in the concrete near the anchors?  Y  N  U  N/A  
*Welded to steel plate*  
*for 9/25/12*
  
5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)  Y  N  U  N/A  
*DRAWINGS: 1X50Y00459-A, Ver. 4.0; CX50A027, Rev. 9*  
*IPEEE (SEVIS) package.*
  
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  Y  N  U

<sup>1</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

Sheet 2 of 2

Status:  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No. 1-LT-0459R Equip. Class 18 - Instrument Racks

Equipment Description Pressurizer Level

**Interaction Effects**

7. Are soft targets free from impact by nearby equipment or structures?  Y  N  U  N/A

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?  Y  N  U  N/A

9. Do attached lines have adequate flexibility to avoid damage?  Y  N  U  N/A

10. Based on the above seismic interaction evaluations, is equipment-free of potentially adverse seismic interaction effects?  Y  N  U

**Other Adverse Conditions**

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

*Cover of box was removed at time of inspection.*

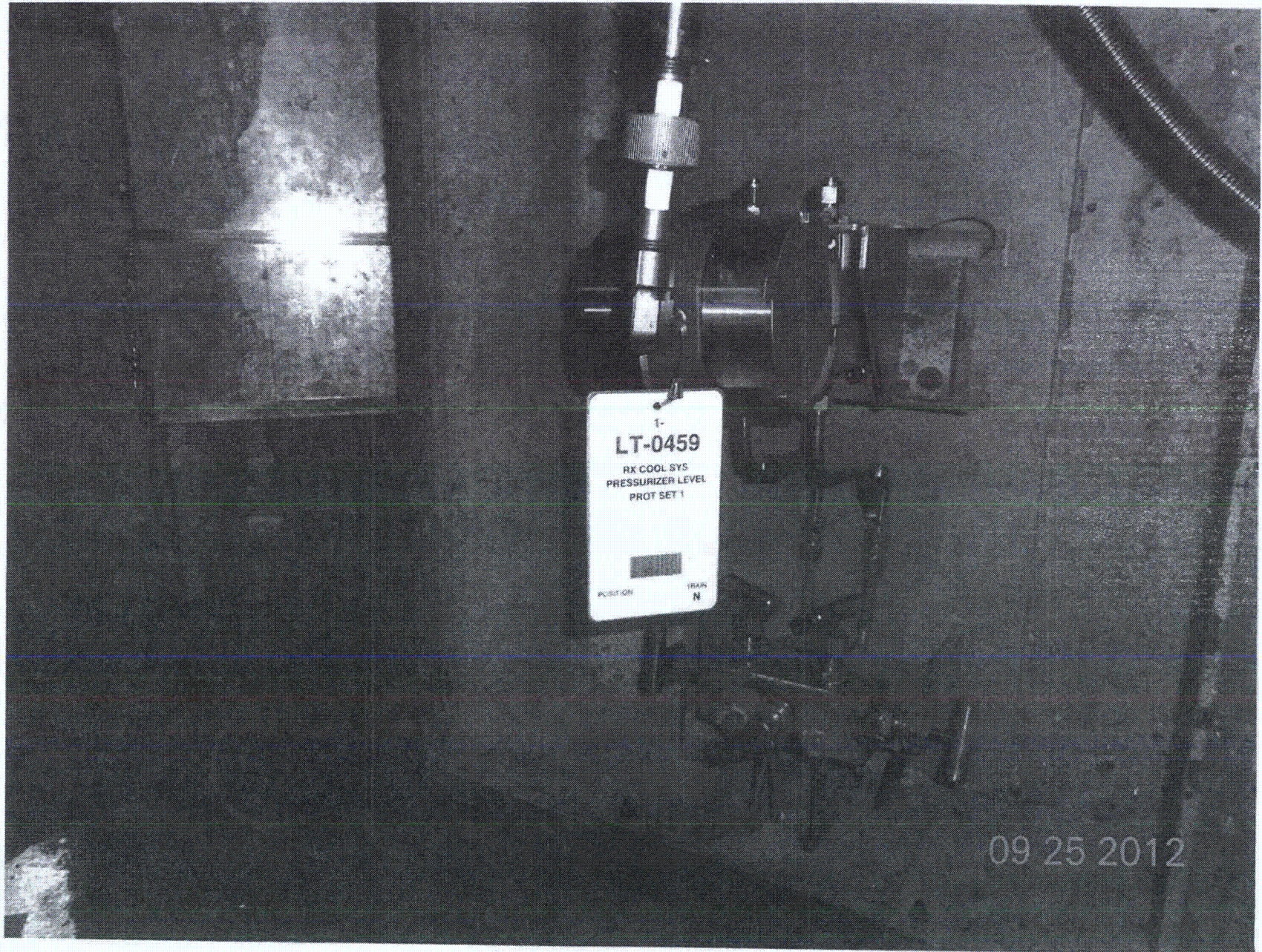
**Comments** (Additional pages may be added as necessary)

*None*

Evaluated by: *Jim Higgins / Frank Yoo* Date: *9/25/12*

*Wt Stewart / Winston Stewart* Date: *09/25/2012*







Sheet 1 of 2  
 Status:  Y  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No. 1-1511-E7-002-000 Equip. Class<sup>1</sup> 10 - Air Handlers

Equipment Description CTB Reactor Cavity Cooling Coil

Location: Bldg. CTB Floor El. 220+0" Room Area 14A1

Manufacturer, Model, Etc. (optional but recommended) 206-6" W.S. 9/26/12 AEROFIN Corp.

**Instructions for Completing Checklist**

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. 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.

**Anchorage**

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?  Y  N  U

2. Is the anchorage free of bent, broken, missing or loose hardware?  Y  N  U  N/A

3. Is the anchorage free of corrosion that is more than mild surface oxidation?  Y  N  U  N/A

*Only mild surface oxidation was found on some anchor bolts. Therefore, the corrosion was judged to be acceptable.*

4. Is the anchorage free of visible cracks in the concrete near the anchors?  Y  N  U  N/A

5. Is the anchorage configuration consistent with plant documentation? (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)  Y  N  U  N/A

*DRAWINGS: 1X0486-004, Rev. 9; 1X4A J16 - 237-Z*

6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  Y  N  U

<sup>1</sup> Enter the equipment class name from Appendix B: Classes of Equipment.

Sheet 2 of 2  
 Status:  N  U

**Seismic Walkdown Checklist (SWC)**

Equipment ID No. 1-1511-E7-002-000 Equip. Class<sup>1</sup> 10 – Air Handlers

Equipment Description CTB Reactor Cavity Cooling Coil

**Interaction Effects**

7. Are soft targets free from impact by nearby equipment or structures?  Y  N  U  N/A

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment?  Y  N  U  N/A

9. Do attached lines have adequate flexibility to avoid damage?  Y  N  U  N/A

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects?  Y  N  U

**Other Adverse Conditions**

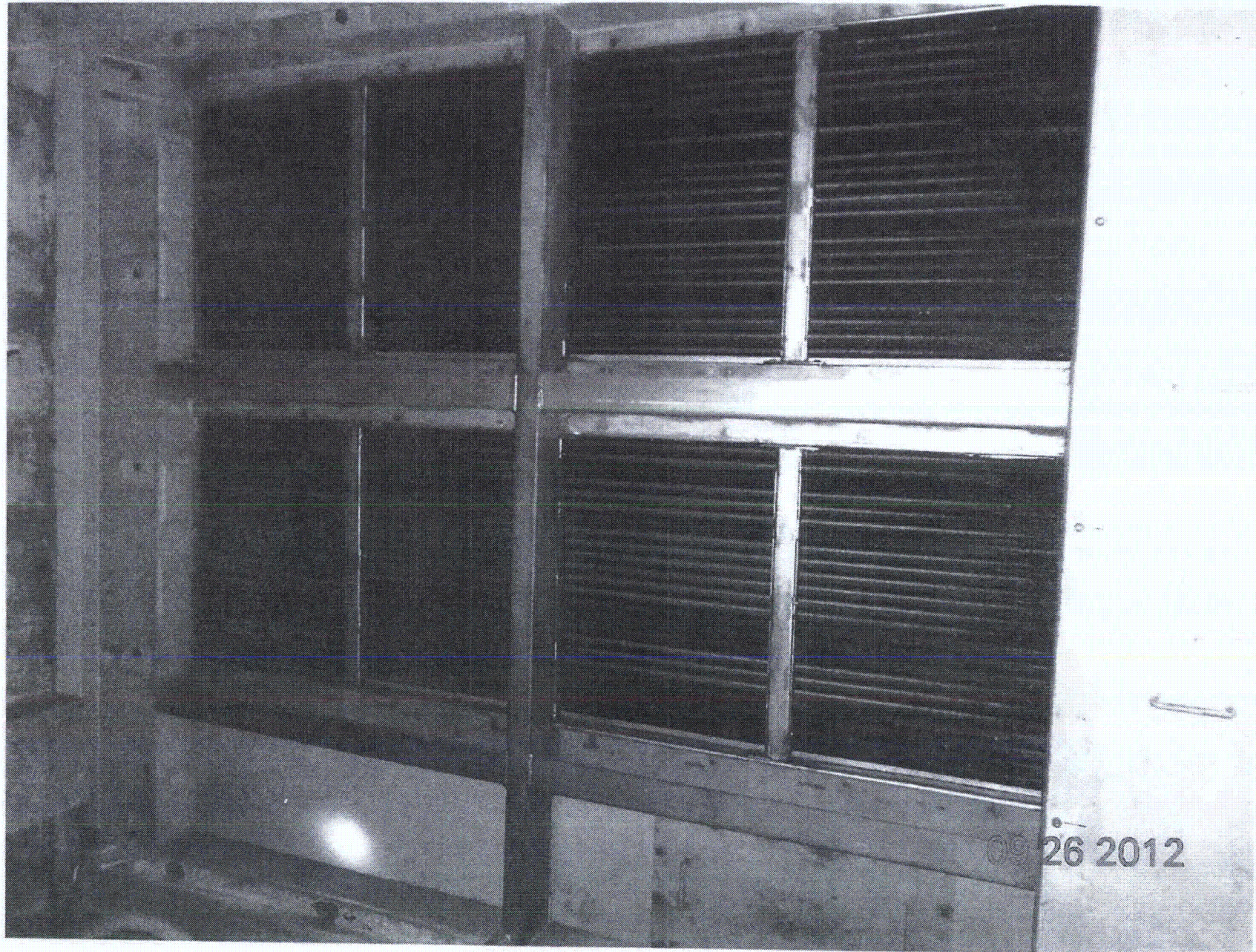
11. Have you looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment?  Y  N  U

**Comments** (Additional pages may be added as necessary)

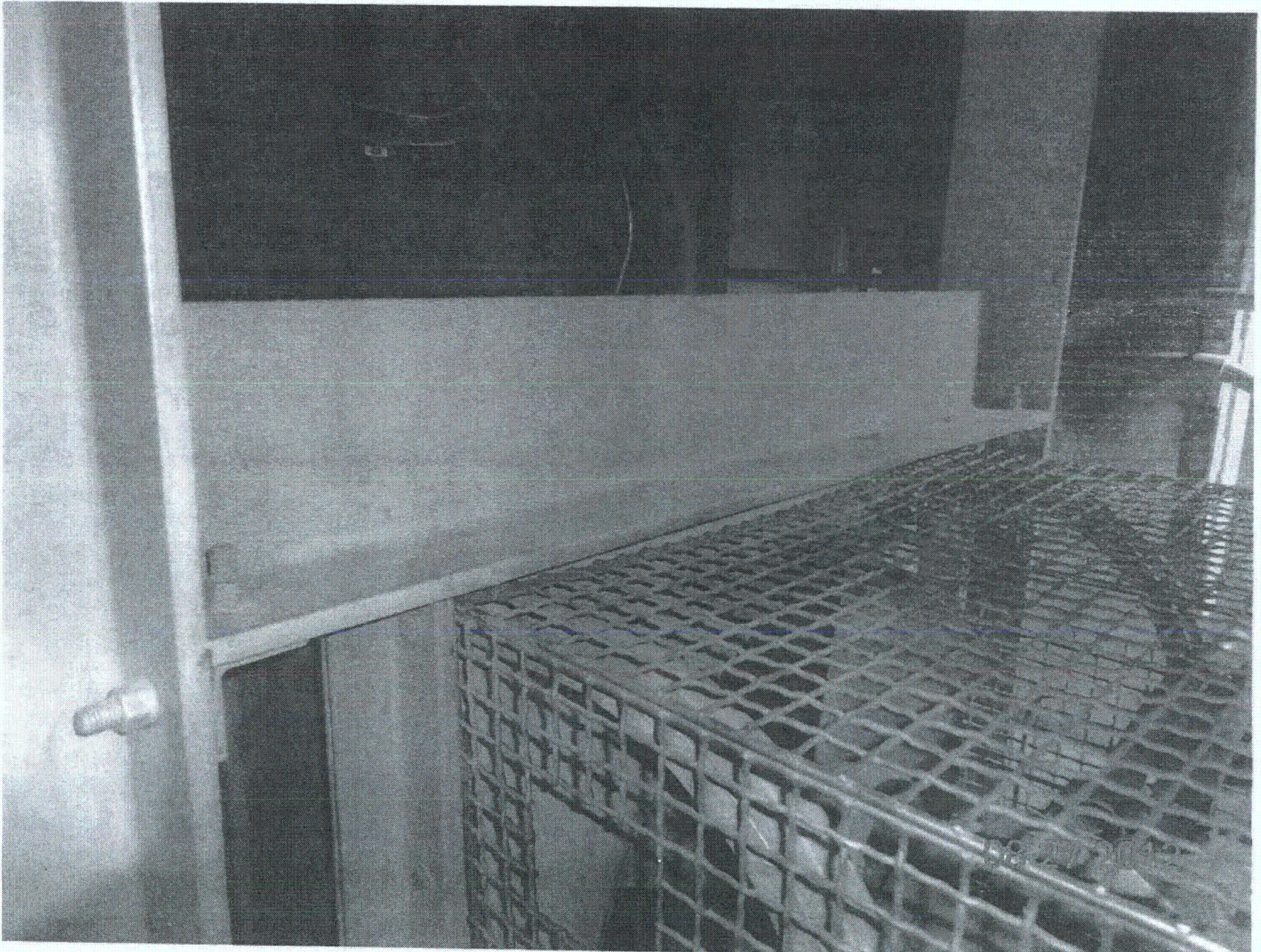
*Room is difficult to access - requires opening a heavy hatch cover at the top of a ladder.*

Evaluated by: W. Stewart / Winston Stewart Date: 09/26/2012  
Indegno / Frank Yao Date: 9/26/12

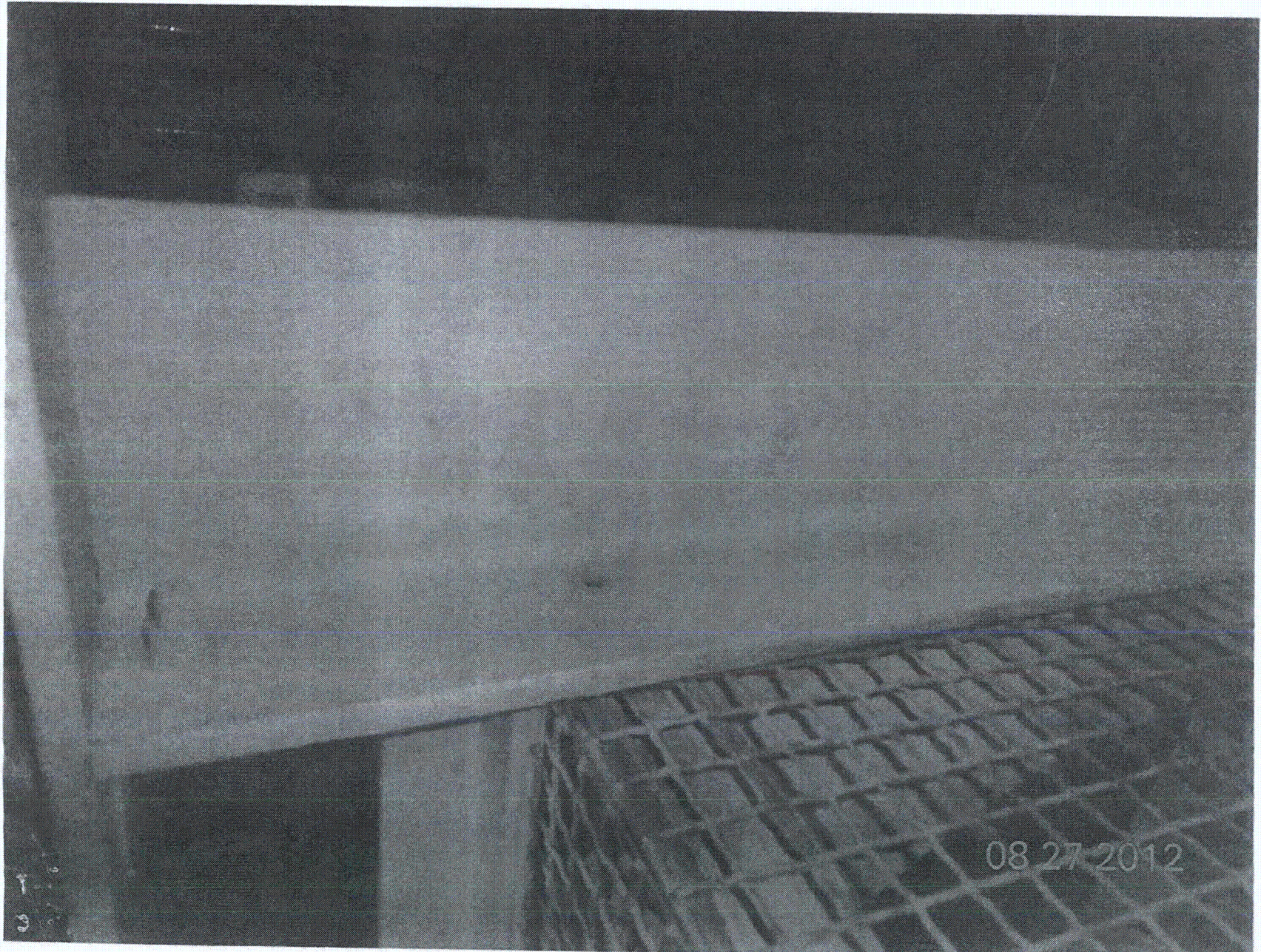














Sheet 1 of 2

Status:  Y  N  U**Seismic Walkdown Checklist (SWC)**Equipment ID No. 1-151-E7-001-00 Equip. Class<sup>12</sup> 10 - Air Hand LociEquipment Description CTB Reactor Cavity Cooling CoilLocation: Bldg. CTB Floor El. 206'6" Room, Area 14B1

Manufacturer, Model, Etc. (optional but recommended) \_\_\_\_\_

**Instructions for Completing Checklist**

This checklist may be used to document the results of the Seismic Walkdown of an item of equipment on the SWEL. 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.

**Anchorage**

1. Is the anchorage configuration verification required (i.e., is the item one of the 50% of SWEL items requiring such verification)?  Y  N
  
2. Is the anchorage free of bent, broken, missing or loose hardware?  Y  N  U  N/A
  
3. Is the anchorage free of corrosion that is more than mild surface oxidation?  Y  N  U  N/A  
*Only mild surface oxidation was found on some bolts. Therefore corrosion was judged to be acceptable.*
  
4. Is the anchorage free of visible cracks in the concrete near the anchors?  Y  N  U  N/A
  
5. Is the anchorage configuration consistent with plant documentation?  Y  N  U  N/A  
 (Note: This question only applies if the item is one of the 50% for which an anchorage configuration verification is required.)
  
6. Based on the above anchorage evaluations, is the anchorage free of potentially adverse seismic conditions?  Y  N  U

<sup>12</sup> Enter the equipment class name from Appendix B: Classes of Equipment.



**Seismic Walkdown Checklist (SWC)**

Equipment ID No. 1-1511-E7-001-000 Equip. Class<sup>12</sup> 10 Air Handlers

Equipment Description CTB Reactor Cavity Cooling Coil

**Interaction Effects**

7. Are soft targets free from impact by nearby equipment or structures? Y N U N/A

8. Are overhead equipment, distribution systems, ceiling tiles and lighting, and masonry block walls not likely to collapse onto the equipment? Y N U N/A

9. Do attached lines have adequate flexibility to avoid damage? Y N U N/A

10. Based on the above seismic interaction evaluations, is equipment free of potentially adverse seismic interaction effects? Y N U

**Other Adverse Conditions**

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

**Comments** (Additional pages may be added as necessary)

*None.*

Evaluated by: J. Lago / Frank C. YAO Date: 9/26/2012

WJ AH / Winston Stewart 09/26/2012







