ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 7 Area Walk-By Checklist (AWC) <u>AWC-010</u>	I P3 Status: Y⊠ N⊟ U⊟
Location: Bldg. <u>IS</u> Floor El. <u>15'-0"</u> Room, Area ¹	
SWEL Components: SWEL1-030, 031	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-By near of space below each of the following questions may be used to record the results Additional space is provided at the end of this checklist for documenting other of the control of the co	of judgments and findings.
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□
Panel (PID 08219) adjacent to the door: Unistrut legs corroded and broken at the base (see attach photos). The toe plate at the floor penetration between the Unistrut legs is loose and is not protecting the opening (see attach photo).	
Service Water Pumps Annubars has rotted out at the base. The panel lacks of lateral restraints and is free to displace laterally.	
Piping grout penetration protection was found cracked and chipped at various locations allowing water seepage (see photos).	
Outer section of the grout, external o the base plate, for SWP 34 is cracked and missing. This does not affect the integrity of the support of the pump.	
The above conditions are addressed by CR-IP3-2012-03166.	
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y□ N⊠ U□ N/A□
See above.	

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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 7	I P3 Status: Y⊠ N⊟ U⊟
Area Walk-By Checklist (AWC)AWC-010	
Location: Bldg. <u>IS</u> Floor El. <u>15'-0"</u> Room, Area ¹	
SWEL Components: SWEL1-030, 031	
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□
Floor grating behind the electrical panels is not fixed to the structural steel and could displace laterally. In addition, this grating also serves as a support for conduits at the level below. Displacement of the grating would affect the support for the conduits. This condition is addressed by CR-IP3-2012-03166.	
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□
Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
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□
Observed a phone and a tool box resting on the web of a beam wall. The phone and the tool box are restrained by the two beam flanges. This is judged acceptable.	
Observed a loose scaffold pole (on the floor) beneath a wall beam. During a seismic event the pole may act as a missile and strike nearby equipment. This is addressed by CR-IP3-2012-03166.	

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 3 of 7 Area Walk-By Checklist (AWC) <u>AWC-010</u>	I P3 Status: Y⊠ N⊟ U⊟
Location: Bldg. <u>IS</u> Floor El. <u>15'-0"</u> Room, Area ¹	
SWEL Components: SWEL1-030, 031	
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
Ceiling of the area consists of grating which, if not attached to the support steel could fall and impact the equipment. It was determined that the grating is adequately supported and would not be displaced by a seismic event.	
Electric Heat Trace Cabinet 31 has abraded cables at the top of the cabinet. The back of the cabinet is mildly corroded at the back/bottom. A box of bulbs is loose on the inside of the cabinet. An unsecured tag is on a shelf in the cabinet. A brown spot on the back of the cabinet may be the result of a burning effect due to high temperature. Electrical needs to investigate. The cabinet is addressed by CR-IP3-2012-03166.	
Comments (Additional pages may be added as necessary)	
Evaluated by: Paul Huebsch	Date: <u>10/12/2012</u>
Maggie Farah	10/12/2012
	-
Kai Lo C. C.	<u>10/12/2012</u>

ATTACHMENT 9.7	*		AREA WALK-BY CHECKLIST
Sheet 4 of 7			IP3 Status: Y⊠ N□ U□
Area Walk-By Checklis	st (AWC)AWC-0	10	Otatus. TEM NET OF
Location: Bldg. IS	Floor El. <u>15'-0"</u>	Room, Area ¹	
SWEL Components:	SWEL1-030, 031		



Note: Corroded and broken Unistrut near door.



Note: Corroded and broken Unistrut near door and a loose pipe protection cover between the Unistrut legs

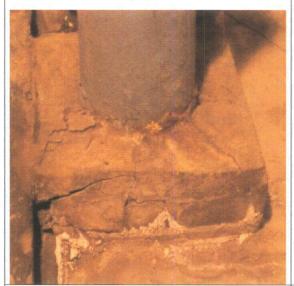
ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 5 of 7			IP3
Area Walk-By Checklis	st (AWC)AWC-0	<u>10</u>	Status: Y⊠ N□ U□
Location: Bldg. IS	Floor El. <u>15'-0"</u>	Room, Area ¹	
SWEL Components:	SWEL1-030, 031		

Note: Service Water Pumps Annubars rotted at the base.



Note: Service Water Pumps Annubars rotted at the base.

ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 6 of 7		IP3
Area Walk-By Checklis	st (AWC)AWC-010	Status: Y⊠ N□ U□
Location: Bldg. IS	Floor El. <u>15'-0"</u> Room, Area ¹	
SWEL Components:	SWEL1-030, 031	



Note: Cracked grout penetration protection



Note: Cracked grout penetration protection

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 7 of 7 Area Walk-By Checklist (AWC)AWC-010	IP3 Status: Y⊠ N□ U□
Location: Bldg. IS Floor El. 15'-0" F	Room, Area ¹
SWEL Components: SWEL1-030, 031	
Note: Cracked and chipped grout penetration protection	Note: Cracked and chipped grout penetration protection

A	A W
ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 5	I P3 Status: Y⊠ N⊡ U⊡
Area Walk-By Checklist (AWC)AWC-011	Status. TE NE OE
Location: Bldg. <u>YD</u> Floor El. <u>80'-0"</u> Room, Area ¹	
SWEL Components: <u>SWEL1-094</u>	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-By near or space below each of the following questions may be used to record the results of Additional space is provided at the end of this checklist for documenting other control of the contro	of judgments and findings.
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□
Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.	
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N□ U□ N/A□
Observed mild rusting on anchorage for conduit around RWST-31. This is insignificant and judged to be acceptable.	
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⊠
Since the refuel water storage tank is in the yard. The above question does not apply.	
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□
Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.	

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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 5	IP3 Status: Y⊠ N□ U□
Area Walk-By Checklist (AWC) <u>AWC-011</u>	
Location: Bldg. <u>YD</u> Floor El. <u>80'-0"</u> Room, Area ¹	
SWEL Components: SWEL1-094	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
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□
Observed a loose chain and a Unistrut on top of the RWST-31 foundation (see attached photos).	
Observed a rock resting on the RWST-31 stiffener ring (see attached photo).	
Multiple piping insulation connections have been dislodged and held together by tape (see attached photos).	
The above is addressed by CR-IP3-2012-03213.	
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□
Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.	

ATTACHMENT 9.7	ARE	A WALK-BY CHECKLIST
Sheet 3 of 5	S	i P3 status: Y⊠ N⊟ U⊟
Area Walk-By Checklist (AWC)AWC-011		
Location: Bldg. <u>YD</u> Floor El. <u>80'-0"</u> Room, Area ¹		
SWEL Components: <u>SWEL1-094</u>		
<u>Comments</u> (Additional pages may be added as necessary)		
<i>2</i> ,		
Evaluated by: Paul Huebsch	Date: _	10/12/2012
.,,		
Maggie Farah Whana	Date: _	10/12/2012
Kai Lo C. C	Date: _	10/12/2012

ATTACHMENT 9.7 Sheet 4 of 5 Area Walk-By Checklist (AWC) AWC-011 Location: Bldg. YD Floor El. 80'-0" Room, Area SWEL Components: SWEL1-094



Note: Loose chain on top of RWST-31 foundation.



Note: Loose Unistrut on top of RWST-31 foundation.



Note: Rock resting on the tank ring.



Note: Piping insulation connection held with tape.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 5 of 5 Area Walk-By Checklist (AWC)AWC-011	IP3 Status: Y⊠ N□ U□
Location: Bldg. <u>YD</u> Floor El. <u>80'-0"</u> Ro	om, Area ¹
SWEL Components: SWEL1-094	
Note: Piping insulation connection held with tape.	Note:

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 5	IP3 Status: Y⊠ N⊡ U⊡
Area Walk-By Checklist (AWC)AWC-012	Status. TE NE OE
Location: Bldg. AFB Floor El. 18'-6" Room, Area ¹	
SWEL Components: <u>SWEL1-040, 022, 023, 086, 005, 081</u>	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-By near one space below each of the following questions may be used to record the results of Additional space is provided at the end of this checklist for documenting other cor	judgments and findings.
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□
Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.	
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N□ U□ N/A□
Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.	
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□
A pipe support immediately adjacent to Appendix R cabinet ERB-47-ABFP that is attached to the ceiling has a base plate with six holes but only four bolts are installed (see attached photo). CR-IP3-2012-03580 was written to evaluate this condition.	
LB-17 evaluates this 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□
Fluorescent bulb adjacent to 32 ABFP needs to be secured to light fixture. During a seismic event the bulb may become loose and strike nearby equipment. This is documented in CR-IP3-2012-03462.	

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.

ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 2 of 5			IP3 Status: Y⊠ N⊡ U⊡
Area Walk-By Checklist (AWC) <u>AWC-012</u>		
Location: Bldg. AFB	Floor El. <u>18'-6"</u> Room	, Area ¹	
SWEL Components:	WEL1-040, 022, 023, 086,	005, 081	
	e area is free of potentially adv cause flooding or spray in the		Y_ N⊠ U_ N/A_
in close proximity (est supported and the fire	main fire water line are thread mate 1" +/-) to large conduit. I water line would have to mov I rise of the pipe is very short s ur. See photos.	The conduit is well e axially to cause	
less than one inch) of	re at one location also in close adjacent conduit and could int seismic event. See photo.		
LB-18 was generated	to evaluate this condition.		
	e area is free of potentially adv cause a fire in the area?	verse seismic	Y⊠ N□ U□ N/A□
The area is free of po- cause a fire in the are	entially adverse seismic intera a.	actions which could	
interactions associate	e area is free of potentially adv d with housekeeping practices nd temporary installations (e.g	, storage of	Y□ N⊠ U□ N/A□
	ea. However the green tag ind ring has been performed.	licates that	
	oucket on the floor which is not ecured. This is documented in		
	nd found no other seismic con fety functions of the equipmen		Y⊠ N□ U□
,	or and found no other seismic the safety functions of the equ		

ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 3 of 5		IP3 Status: Y⊠ N⊡ U⊡
Area Walk-By Checklist	(AWC) <u>AWC-012</u>	Status. 12 N U
Location: Bldg. AFB	Floor El. <u>18'-6"</u> Room, Area ¹	
SWEL Components:	SWEL1-040, 022, 023, 086, 005, 081	
Comments (Additional page	es may be added as necessary)	
References: LB-17 LB-18		
Evaluated by: <u>Paul Huebscl</u>	n (tris) 14. C.	Date: 10/12/2012
<u>Maggie Faral</u>	n Majara	10/12/2012

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 4 of 5	IP3 Status: Y⊠ N□ U□
Area Walk-By Checklist (AWC)AWC-012	
Location: Bldg. AFB Floor El. 18'-6" Roon	n, Area ¹
SWEL Components: SWEL1-040, 022, 023, 086	, 005, 081



Note: Pipe support with only 4 bolts installed and 2 empty bolt holes.



Note: Fire water line in close proximity to a conduit.

 ATTACHMENT 9.7
 AREA WALK-BY CHECKLIST

 Sheet 5 of 5
 IP3

 Area Walk-By Checklist (AWC)
 AWC-012

 Location: Bldg. AFB
 Floor El. 18′-6″
 Room, Area¹

SWEL Components: <u>SWEL1-040, 022, 023, 086, 005, 081</u>



Note: Fire water line in close proximity to a conduit.



Note: Sprinkler head in close proximity to adjacent conduit.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
sheet 1 of 8	IP3
Area Walk-By Checklist (AWC)AWC-013_	Status: Y⊠ N□ U□
Location: Bldg. <u>AFB</u> Floor El. <u>32'-6"</u> Room, Area ¹	
SWEL Components: SWEL1-048, 035	
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near o space below each of the following questions may be used to record the results. Additional space is provided at the end of this checklist for documenting other complete.	of judgments and findings.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Grout at 38 Chemical Feed Pump is chipped off exposing one anchor bolt under the base plate. OK by judgment but should be repaired. CR-IP3-2012-03627 is written to address this problem. 	Y⊠ N□ U□ N/A□
 Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes, equipment anchorages are 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)? The 1" chemical feed piping around Door 218 has 18 feet of unsupported span length. See attached photo. CR IP3-2012-03627 was written to address this condition. The pipe is a non-safety related pipe. If the pipe were to collapse, it would hang at the top of the monorail. The pipe is on top of a door and there is no equipment near the door. Chemical feed line pipe insulation at CF-44-2 is in contact with the support frame and heater. This is not considered a problem since the insulation around the pipe has a substantially greater diameter than the encased pipe and the insulation would be expected to flex and relieve any force that would be exerted on the pipe.	Y□ N⊠ U□ N/A□
Insulation at CF-133 and Cf-44-4 is missing.	

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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 8	IP3
Area Walk-By Checklist (AWC)AWC-013	Status: Y⊠ N□ U□
Location: Bldg. <u>AFB</u> Floor El. <u>32'-6"</u> Room, Area ¹	
SWEL Components: SWEL1-048, 035	
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□
Yes, the area is free of potentially adverse seismic spatial interactions with other equipment in the area.	
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□
Yes, the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
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□
Yes, the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
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□
Yes, the area is free of potentially adverse seismic interactions associated with housekeeping practices.	
A pair of used gloves was found next to the 33 Chemical Feed Tank. See photo.	
Unsecured stool found stored next to nitrogen tank. Not judged a serious concern because of the light weight of the stool but should be addressed as a matter of good seismic housekeeping. CR IP3-2012-03627 was written to address this condition.	
Fluorescent bulbs in the area need to be restrained.	

	AREA WALK-BY CHECKLIST
Sheet 3 of 8	IP3
Area Walk-By Checklist (AWC)AWC-013	Status: Y⊠ N□ U□
Location: Bldg. <u>AFB</u> Floor El. <u>32'-6"</u> Room, Area ¹	
SWEL Components: SWEL1-048, 035	
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□
Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.	
<u>Comments</u> (Additional pages may be added as necessary)	
Evaluated by: Stephen Yuan	Date: <u>10/16/2012</u>
Paul Huebsch	10/16/2012

ATTACHMENT 9.7

Sheet 4 of 8

IP3

Area Walk-By Checklist (AWC) __AWC-013

Location: Bldg. AFB __Floor El. 32'-6" __Room, Area1 ______

SWEL Components: SWEL1-048, 035

Photographs

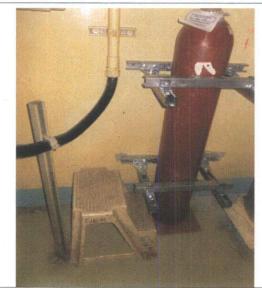


Note: Missing insulation



Note: Used gloves on floor.

Photographs



SWEL Components: SWEL1-048, 035

Note: Unsecured stool next to nitrogen tank.



Note: Missing grout at anchor bolt at 38 Chemical Feed Pump

Photographs



SWEL Components: SWEL1-048, 035

Note: Pipe insulation interference with heater.



Note: Pipe insulation with heater.

Photographs



SWEL Components: SWEL1-048, 035

Note: Pipe insulation interference with structural



Note: Air line at Door 218

ATTACHMENT 9.7		AREA WAL	K-BY CHECKLIST
Sheet 8 of 8	g-		IP3
Area Walk-By Checklist (AWC)AWC-013		Status:	Y⊠ N□ U□
Location: Bldg. AFB Floor El. 32'-6"	Room, Area ¹		
SWEL Components: SWEL1-048, 035	ж. — сын шаш ээгийгү сөн тоогоороосоо полоонын шт сын аштты да 		
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Hill H			
The same of the sa			
Note: Missing insulation at valve.	Note:		
	1 0 0 0 Territory		

ATTACHMENT 9.7	AREA WALK	-By CHECKLIST
Sheet 1 of 5 Area Walk-By Checklist (AWC) <u>AWC-014</u>	Status: `	IP3 Y⊠ N□ U□
Location: Bldg. <u>AFB</u> Floor El. <u>43'-0"</u> Room, Area ¹		
SWEL Components: SWEL1-034, 091		
Instructions for Completing Checklist		
This checklist may be used to document the results of the Area Walk-By near on space below each of the following questions may be used to record the results o Additional space is provided at the end of this checklist for documenting other co	of judgments and t	
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 🗌
Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.		
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N□ U□	N/A
Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.		
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
The horizontal Unistrut support next to column H8/19.5 missing a U-bolt connection to the vertical run of conduit. This condition is addressed by CR-IP3-2012-03547. The conduit span is estimated to be 16 feet between the floor and the upper support.		
LB-09 evaluates this 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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 5	I P3 Status: Y⊠ N⊡ U⊡
Area Walk-By Checklist (AWC)AWC-014	
Location: Bldg. <u>AFB</u> Floor El. <u>43'-0"</u> Room, Area ¹	
SWEL Components: SWEL1-034, 091	
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□
All fluorescent light bulbs in the area need to be secured to the light fixture. This is addressed by CR-IP3-2012-03462.	
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□
Yes, the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
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□
Yes, the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
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□
Caps from nitrogen tanks are on the floor adjacent to and unsecured. See photo. By engineering judgement, this is not considered an critical seismic issue since seismic induced displacement will not result in the caps impacting critical components. CR-IP3-2012-03457 was issued to remedy this situation.	

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 3 of 5 Area Walk-By Checklist (AWC) <u>AWC-014</u>	IP3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>AFB</u> Floor El. <u>43'-0"</u> Room, Area ¹	
SWEL Components: SWEL1-034, 091	
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, we have 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: Paul Huebsch Stephen Yuan	Date: 10/16/12

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 5

Area Walk-By Checklist (AWC) ___AWC-014

Location: Bldg. AFB

Floor El. 43'-0"

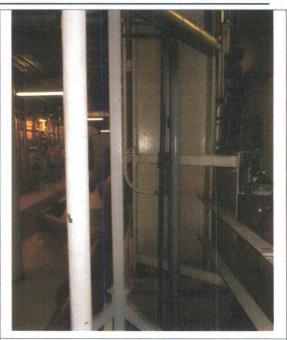
_ Room, Area¹

SWEL Components:

SWEL1-034, 091



Note: The connection of the conduit riser next to column H8/19.5 is missing the U-bolt attachment to the Unistrut.



Note: View of the unsupported length of conduit shown in previous picture.

ATTACHMENT 9.7		AREA WALK-BY CHECKLIST	
Sheet 5 of 5 Area Walk-By Checklist (AWC)AWC-014		Status: Y[IP3 ⊠ N□ U□
Location: Bldg. AFB Floor El. 43'-0" Roc	om, Area ¹		
SWEL Components: SWEL1-034, 091			
Photographs	o volume e de la comencia de la comencia de la come		
Note: Nitrogen bottles with unsecured caps.	Note:		

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 5 Area Walk-By Checklist (AWC)AWC-015	IP3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>CB</u> Floor El. <u>53'-0"</u> Room, Area ¹ <u>CONTROL RO</u>	DOM
SWEL Components: SWEL1-061, 062	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-By near one space below each of the following questions may be used to record the results of Additional space is provided at the end of this checklist for documenting other com-	udgments and findings.
 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□
Yes, anchorage of equipment was observed to be acceptable.	
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N□ U□ N/A□
Yes, anchorage of equipment was observed to be free of degraded 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□
Yes, all cables and conduits are well supported and free of adverse seismic conditions.	
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□
Ceiling tiles are tied together and observed to be well secured. Therefore, the area is free of potentially adverse seismic spatial interactions with other equipment in the area.	

 $^{^{}_1}$ 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.

ATTACH	MENT 9.7	AREA WALK-BY CHECKLIST				
Sheet 2 of 5						
Area '	Walk-By Checklist (AWC) <u>AWC-015</u>	Status: Y⊠ N□ U□				
	on: Bldg. <u>CB</u> Floor El. <u>53'-0"</u> Room, Area ¹ <u>CONTROL F</u>	ROOM				
	Components: SWEL1-061, 062					
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□				
	Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.					
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□				
	Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.					
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□				
	During a seismic event, the following observations have potential to act as a missile and strike nearby sensitive equipment: (see attached photos)					
	 Rack adjacent to Instrument Bus 31 has an unrestrained laptop and printer (also documented in IP3 SWEL 1-061). 					
	 Boxes against the west wall on the floor. 					
	 A box resting on top of a cabinet at the northwest comer of the room. 					
	 Three unrestrained binders on top of Hydrogen Recombiner No. 31 Control Panel. 					
	 Unrestrained phones, printers and monitors at the work stations. 					
	 Unsecured speaker on top of 34 Control Room Supplemental Cooler along the south wall. 					
	All the above are documented in CR-IP3-2012-03398.					
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□				
	Observed a cart with 4 wheels by panel C-10. The cart is well secured to the floor with a large C-clamp. This is judged to be acceptable and it is not a seismic condition that could adversely affect the safety functions of equipment in the area.					

ATTACHMENT 9.7	_		AREA WALK-BY CHECKLIST
Sheet 3 of 5	IP3 Status: Y⊠ N⊡ U⊡		
Area Walk-By Checklis	st (AWC) <u>AWC-01</u>	<u>15</u>	
Location: Bldg. CB	Floor El. <u>53'-0"</u>	Room, Area ¹ CONTROL ROOM	И
SWEL Components:	SWEL1-061, 062		
Comments (Additional pa	ges may be added as ne	ecessary)	
<u> </u>			
	MARC	ma	
Evaluated by: <u>Maggie Fan</u>	ah	Dat	e: <u>10/16/2012</u>
<u>Kai Lo</u>	1C. G		10/16/2012

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 5

IP3

Status: Y⊠ N□ U□

Area Walk-By Checklist (AWC) ____AWC-015

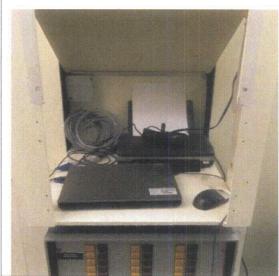
Location: Bldg. CB

Floor El. <u>53'-0"</u>

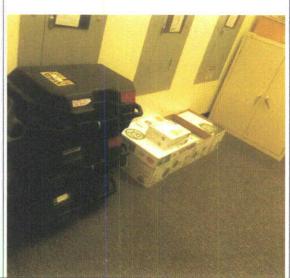
Room, Area CONTROL ROOM

SWEL Components:

SWEL1-061, 062



Note: Rack adjacent to Instrument Bus 31 has an unrestrained laptop and printer



Note: Boxes against the west wall on the floor and a box resting on top of a cabinet at the northwest comer of the room



Note: unrestrained binders on top of Hydrogen Recombiner No. 31 Control Panel



Note: Unrestrained phones, printers and monitors at work stations

ATTACHMENT 9.7	AREA WALK-BY CHECKLI	
Sheet 5 of 5	IP3	
Area Walk-By Checkli	Status: Y N U	
Location: Bldg. CB	Floor El. <u>53'-0"</u>	Room, Area ¹ CONTROL ROOM
SWEL Components:	SWEL1-061, 062	



Note: Unrestrained speaker on top of 34 Control Room Supplemental Cooler along the south wall



Note: Unrestrained phones, printers and monitors at work stations



Note: well restrained cart by C-10.

Note: no photo attached.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST	
Sheet 1 of 4 Area Walk-By Checklist (AWC)AWC-016	I P3 Status: Y⊠ N☐ U☐	
Location: Bldg. AFB Floor El. 61'-0" Room, Area ¹		
SWEL Components: SWEL1-004		
Instructions for Completing Checklist		
This checklist may be used to document the results of the Area Walk-By near o space below each of the following questions may be used to record the results Additional space is provided at the end of this checklist for documenting other controls.	of judgments and findings.	
 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□	
Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.		
Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N□ U□ N/A□	
Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.		
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□	
Yes, the cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions.		

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.

A TTACH	MENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2	of 4	IP3
Area \	Walk-By Checklist (AWC)AWC-016	Status: Y⊠ N□ U□
Location	on: Bldg. <u>AFB</u> Floor El. <u>61'-0"</u> Room, Area ¹	
SWEL	Components: SWEL1-004	
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□
	Some sections of grating are not attached to the steel beam below. CR-IP3-2012-03473 was issued to remedy this situation.	
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□
	Yes, the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
. 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□
	Yes, the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
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□
	All fluorescent light bulbs in the area need to be secured to the light fixture. This is addressed by CR-IP3-2012-03462	
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□
	No other seismic conditions that could adversely affect the safety functions of the equipment in the area.	

ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 3 of 4		IP3
Area Walk-By Checkli	st (AWC)AWC-0^	Status: Y⊠ N□ U□
Location: Bldg. AFB	Floor El. <u>61'-0"</u>	Room, Area ¹
SWEL Components:	SWEL1-004	
Comments (Additional pa	ages may be added as ne	ecessary)
Few florescent but by CR-IP3-2012-0		platform are out and need to be replaced. This is addressed
The paint of west t	wall is peeling off. Needs	new paint.
Evaluated by: <u>Paul Huebs</u>	sch (two) H-C	Date: <u>10/17/12</u>
	Stoll-	
<u>Stephen Υι</u>	ıan ()	<u>10/17/12</u>

ATTACHMENT 9.7		AREA WAL	K-BY CHECKLIST
Sheet 4 of 4	,		IP3
T Brings			<u></u>
CONTINUE DE LA CONTIN			30 E
Note: Some sections of grating are not attached to the steel beam below.	Note:		
			# (4) ###

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 5 Area Walk-By Checklist (AWC)AWC-017	IP3 Status: Y⊠ N⊟ U⊟
Location: Bldg. AFB Floor El. 73'-8" Room, Area ¹	Card and Car
SWEL Components: <u>SWEL1-003, 041, 042, 043, 044</u>	
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near of space below each of the following questions may be used to record the results Additional space is provided at the end of this checklist for documenting other of the complete	of judgments and findings.
Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.	Y⊠ N□ U□ N/A□
 Does anchorage of equipment in the area appear to be free of significant degraded conditions? Anchorage of equipment in the area appears 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)? The cable/conduit raceways and HVAC ducting appear to be free of potentially adverse seismic conditions.	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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST	
Sheet 2 of 5 Area Walk By Checklint (AMC) AMC 017	Status:	I P3 Y⊠ N□ U□
Area Walk-By Checklist (AWC)AWC-017		
Location: Bldg. AFB Floor El. 73'-8" Room, Area		
SWEL Components: <u>SWEL1-003, 041, 042, 043, 044</u>		
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□
Floor grating is not attached to the steel support beams. Most grating is restrained laterally by the pipe supports and the wall on the opposite side. However some panels are only restrained by the wall and could displace laterally under seismic action. Adjacent panels cannot restrain the loose panels because the toe board is not continuous but is attached to each individual panel. They could then impact the main steam lines. CR-IP3-2012-03473 was issued to remedy this situation.		
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□
The area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.		
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□
The area is free of potentially adverse seismic interactions that could cause a fire in the area.		
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□
The area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations		

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 3 of 5 Area Walk-By Checklist (AWC)AWC-017	IP3 Status: Y⊠ N⊟ U⊟
Location: Bldg. AFB Floor El. 73'-8" Room, Area	
SWEL Components: <u>SWEL1-003, 041, 042, 043, 044</u>	
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□
All fluorescent light bulbs in the area need to be secured to the fixture. This is addressed by CR-IP3-2012-03462.	
A few fluorescent bulbs near south end of the platform are out and need to be replaced.	
One of the fluorescent fixtures is touching the steel hanger. This was addressed in SWEL1-003.	
Comments (Additional pages may be added as necessary)	
The insulation cover on an overhead pipe is peeling off. See photo.	
(dus) 14-C	
Evaluated by: <u>Paul Huebsch</u>	Date: <u>10/17/12</u>
Stoly	
Stephen Yuan /	Date: 10/17/12

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 5

IP3



Note: Some sections of grating are not attached to the steel beam below.



Note: Some fluorescent bulbs near south end of the platform are out and need to be replaced.

ATTACHMENT 9.7 AREA WALK-BY CHECKLIST
Sheet 5 of 5 IP3



Note: One of the florescent fixtures is touching the steel hanger.



Note: The insulation cover of the overhead pipe is peeling off.

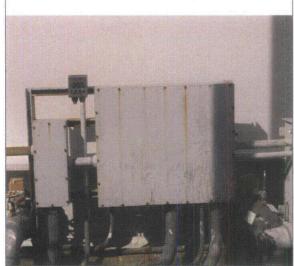
ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 5 Area Walk-By Checklist (AWC)AWC-018	I P3 Status: Y⊠ N□ U□
Location: Bldg. <u>CST</u> Floor El. <u>69'-0"</u> Room, Area ¹ <u>Yard</u>	
SWEL Components: SWEL1-095	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-By near one space below each of the following questions may be used to record the results of Additional space is provided at the end of this checklist for documenting other co	judgments and findings.
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 base plates of support columns on adjacent platforms have four holes in the base plates but only two anchors installed on diagonal holes. This condition is judged to be acceptable based on the low height of the platform and the minimum weight of the framing and fiberglass grating.	
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N□ U□ N/A□
Several screws are missing from the face closures of the electric panels. See attached photo.	
 Since weight of the closure panel is less than 40#, and peak acceleration from ground response spectra is 0.64, 14 out of 22 screws are more than adequate to hold the panel in place. 	
All the conduit and pipes show sign of corrosion.	
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□
The tank is free of potentially adverse seismic conditions from overhead conduits and HVAC ducting.	

^{&#}x27; 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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 5	IP3
Area Walk-By Checklist (AWC)AWC-018	Status: Y⊠ N□ U□
Location: Bldg. <u>CST</u> Floor El. <u>69'-0"</u> Room, Area ¹ <u>Yard</u>	
SWEL Components: SWEL1-095	
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 lighting poles near the tank need to be verified for seismic adequacyLB-11 evaluates this condition.	
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□
The area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
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□
The area is free of potentially adverse seismic interactions that could cause a fire in the area.	
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□
The area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations.	

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 3 of 5 Area Walk-By Checklist (AWC) <u>AWC-018</u>	IP3 Status: Y⊠ N⊟ U⊟
Location: Bldg. <u>CST</u> Floor El. <u>69'-0"</u> Room, Area ¹ <u>Yard</u>	
SWEL Components: SWEL1-095	
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□
No other seismic conditions that could adversely affect the safety functions of the equipment in the area were identified.	
<u>Comments</u> (Additional pages may be added as necessary)	
Evaluated by: Paul Huebsch AP L	Date: 10/17/12
Stephen Yuan	Date: 10/17/12

SWEL Components: SWEL1-095



Note: Several screws are missing for the electric panels

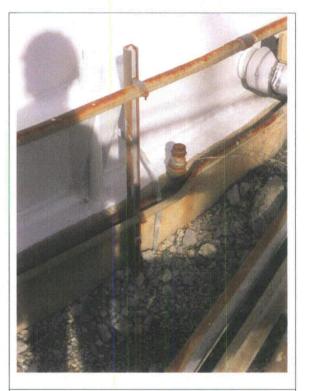


Note: The adjacent platform support base plate missing half number of anchor bolts.

ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 5 of 5	IP3 Status: Y⊠ N□ U□		
Area Walk-By Checklist (AWC)AWC-018			otatus. 123 NC 02
Location: Bldg. CST	Floor El. <u>69'-0"</u>	Room, Area ¹ Yard	
SWEL Components:	SWEL1-095		



Note: The lighting poles near the tank need to be verified for seismic adequacy.



Note: All the conduit and pipes show sign of various stages of corrosion.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 4 Area Walk-By Checklist (AWC)AWC-019	I P3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>DG</u> Floor El. <u>15'-0"</u> Room, Area ¹ <u>31 DIESEL G</u>	ENERATOR ROOM
SWEL Components: <u>SWEL1-076, 067, 088, 096</u>	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-By near one space below each of the following questions may be used to record the results of Additional space is provided at the end of this checklist for documenting other contains the containing of the containing	judgments and findings.
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□
Observed a wide flange across the room (spanning east-west) supporting air intake piping with gaps between the base plate and the wall. The gaps are observed to be approximately between ½ to ½ (see attached photo). Per procedure 0-RES-400-GEN, the allowable gap shall not be greater than 3/32". This 1/8" to ½ gap may result in bending of the anchor bolts. This is addressed in CR-IP3-2012-03361. LB-05 evaluates this condition.	
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N□ U□ N/A□
Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.	
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□
Observed a not tightly secured metal wire trough located on the east wall (above the speaker). The wire trough is attached two Unistruts channels with one Unistrut bolt on each channel at the top. There is an approximately 3/4" to 1" gap between the wire trough and the Unistrut (see photos). The wire trough seems to be light in weigh; however, during a seismic event the trough may dislodge and strike nearby equipment. The wire trough should be properly secured to prevent any adverse seismic conditions. This is addressed in CR-IP3-2012-03363.	

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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 4 Area Walk-By Checklist (AWC)AWC-019	I P3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>DG</u> Floor El. <u>15'-0"</u> Room, Area ¹ <u>31 DIESEL G</u>	SENERATOR ROOM
SWEL Components: SWEL1-076, 067, 088, 096	
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□
Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations	

ATTACHMENT 9.7	AF	REA WALI	K-BY	CHECKLI	ST
Sheet 3 of 4 Area Walk-By Checklist (AWC)AWC-019		Status:	Y⊠	IP3 N□ U[
Location: Bldg. <u>DG</u> Floor El. <u>15'-0"</u> Room, Area 31 <u>DIESEL G</u>	SENERA	ATOR RO	<u>00M</u>		
SWEL Components: <u>SWEL1-076, 067, 088, 096</u>					
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	N_ U_			
Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.					
Comments (Additional pages may be added as necessary) References: IP3 SWEL1-076, 1-067, 1-088, 1-096					
		 .			
Evaluated by: Maggie Farah	_ Date:	<u>10/19/12</u>	2		_
Kai Lo C.	-	10/19/12	2		_

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 4

IP3 Status: Y⊠ N□ U□

Area Walk-By Checklist (AWC) ____AWC-019

Location: Bldg. DG

Floor El. <u>15'-0"</u>

Room, Area 31 DIESEL GENERATOR ROOM

SWEL Components:

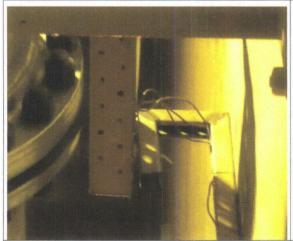
SWEL1-076, 067, 088, 096



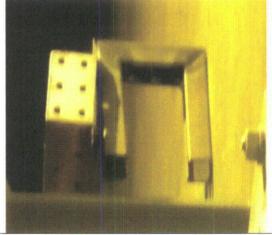
Note: Gap between the base plate and wall.



Note: Gaps between wire trough and Unistrut looking south.



Note: Gap between wire trough and Unistrut looking north.



Note: Gap between wire trough and Unistrut looking north.

ATTACHMENT 9.7					AREA WAL	K-BY CHECKLIST
Sheet 1 of 4			· · · · · · · · · · · · · · · · · · ·			IP3
Area Walk-By Checklis	st (AWC)	AWC-020			Status:	Y⊠ N□ U□
Location: Bldg. <u>DG</u>	Floor El.	<u>15'-0"</u>	Room, Area ¹	<u>32 DIESEL G</u>	ENERATOR RO	OOM
SWEL Components:	SWEL1-07	7, 058, 100)	 	<u></u>	· · · · · · · · · · · · · · · · · · ·
Instructions for Complet	ing Checklist					
This checklist may be use space below each of the for Additional space is provide	ollowing questi	ions may be	used to record	the results of	fjudgments and	
Does anchorage or potentially adverse opening cabinets)?	seismic condi				Y⊠ N□ U□	N/A□
Yes, anchorage of potentially adverse			a appears to	be free of		
Does anchorage of significant degrade		the area ap	pear to be free	of	Y⊠ N□ U□] N/A□
Yes, anchorage o significant degrade		in the area	a appears to	be free of		
 Based on a visual raceways and HVA seismic conditions conditions of cable Yes, based on a raceways and HVA 	C ducting app (e.g., condition trays appear visual inspec	pear to be free of supports to be inside a tion from the	ee of potentially is is adequate a acceptable limited floor, the case	adverse nd fill ts)? able/conduit	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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 4 Area Walk-By Checklist (AWC)AWC-020	I P3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>DG</u> Floor El. <u>15'-0"</u> Room, Area ¹	32 DIESEL GENERATOR ROOM
SWEL Components: <u>SWEL1-077, 058, 100</u>	
4. Does it appear that the area is free of potentially adverse so spatial interactions with other equipment in the area (e.g., c and lighting)?	
Yes. it appears that the area is free of potentially advised spatial interactions with other equipment in the area.	erse seismic
5. Does it appear that the area is free of potentially adverse so interactions that could cause flooding or spray in the area?	
Yes, it appears that the area is free of potentially advinteractions that could cause flooding or spray in the area.	erse seismic
6. Does it appear that the area is free of potentially adverse sinteractions that could cause a fire in the area?	eismic Y⊠ N□ U□ N/A□
Yes, it appears that the area is free of potentially advinteractions that could cause a fire in the area.	erse seismic
7. Does it appear that the area is free of potentially adverse sinteractions associated with housekeeping practices, storage portable equipment, and temporary installations (e.g., scaff shielding)?	ge of
Observed scaffold #4355 erected on 7/25/12. The scaffold well supported and was judged acceptable. Therefore, the of potentially adverse seismic interactions assometics housekeeping practices, storage of portable equipment, and installations.	e area is free ciated with

ATTACHMENT 9.7			A	REA WALK-BY CHECKLIST
Sheet 3 of 4 Area Walk-By Checklis	st (AWC) <u>AWC-</u>	020		IP3 Status: Y⊠ N☐ U☐
Location: Bldg. DG	Floor El. <u>15'-0"</u>	Room, Area ¹	32 DIESEL GENER	ATOR ROOM
SWEL Components:	SWEL1-077, 058,	100		
-	or and found no other s e safety functions of th			V□ U□
	ked for and found no fect the safety function			
Comments (Additional pa	ges may be added as	necessary)		
	iling light bulbs that ne sed in CR-IP3-2012-03		This is not a seismic	concem. Replacement
References: IP3 SWEL1-077, 1	-058, 1-100			
Evaluated by: <u>Maggie Fan</u>	M) fara		Date:	10/19/2012
<u>Stephen Yu</u>	Jan Stoff		Date:	<u>10/19/2012</u>

ATTACHMENT 9.7				AREA WAL	K-BY	CHECKLIST
Sheet 4 of 4				_		IP3
Area Walk-By Checklist (AWC)	V/V/C-030			Status:	Y⊠	N U
Alea Waik-By Cliecklist (AWC)	AVVC-020	_				
Location: Bldg. <u>DG</u> Floor El.	<u>15'-0"</u> Ro	om, Area¹	32 DIESEL	GENERATOR R	OOM	
SWEL Components: SWEL1-0	77, 058, 100					
Photographs						
				·		
Note: no photos attached		Note:				

				 					
	MENT 9.7							REA WALK	K-BY CHECKLIST
Sheet 1	of 4							Statue	I P3 Y⊠ N□ U□
Area \	Walk-By Che	cklist (A	WC)	AWC-02	<u>1</u>			Status.	
Location	on: Bldg. <u>DG</u>	F	Floor El.	<u>15'-0"</u>	Room, Are	a ¹ 33 DIESE	<u>L GENE</u>	RATOR RO	<u>DOM</u>
SWEL	. Component	ts: <u>SW</u>	EL1-07	В					
Instru	ctions for Con	npleting C	Checklist						
space	necklist may be below each of t mal space is pr	the followi	ng quest	ions may be	e used to rec	ord the result	s of judg	ments and	
1.	Does anchora potentially advopening cabin. Observed a supporting B5 wall. The gap attached photo This is addrondition.	verse seisr ets)? wide flai i74 duct w is observe to). This g	mic condi nge acro vith a gap ed to be nap may	itions (if visions coss the ro o between to approximatoresult in be	ble without r com (spann the base pla ely between ending of th	necessarily ing east-wes te and the ea 1/8" to ¼" (se e anchor bolt	st) ist ee ts.	N⊠ U□	N/A 🗌
2.	Does anchora significant deg Yes, anchorag significant deg	graded cor ge of equip	nditions? oment in i				Y⊠	N <u> U</u>	N/A□
3.	Based on a vis raceways and seismic condit conditions of c Yes, based on raceways and seismic condit	HVAC du tions (e.g., cable trays a a visual i HVAC du	cting app condition appear t	ear to be from of supports be inside the from the from the floor.	ee of potenti ts is adequat acceptable loor, the cab	ally adverse te and fill limits)?		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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 4 Area Walk By Chacklist (AWC) AWC 031	I P3 Status: Y⊠ N⊟ U⊟
Area Walk-By Checklist (AWC) AWC-021	
Location: Bldg. <u>DG</u> Floor El. <u>15'-0"</u> Room, Area ¹ <u>33 DIESEL</u> (<u>GENERATOR ROOM</u>
SWEL Components: SWEL1-078	
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□
Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations.	

ATTACHMENT 9.7		A	REA WALK-BY CHECKLIST
Sheet 3 of 4 Area Walk-By Checklist (AWC)	AWC-021		IP3 Status: Y⊠ N□ U□
Location: Bldg. DG Floor El. 1	15'-0" Room, Area ¹	33 DIESEL GENER	ATOR ROOM
SWEL Components: SWEL1-078	3		
Have you looked for and found no adversely affect the safety function			N□ U□
Yes, we have looked for and found could adversely affect the safety fuarea.			
Comments (Additional pages may be add Observed two ceiling light bulbs th	• •	The light bulb replace.	ment is addressed in
CR-IP3-2012-3363.			
Reference: IP3 SWEL1-078			
Evaluated by: Maggie Farah	na	Date:	10/19/12
Stephen Yuan	· 4		10/19/12

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 4 of 4 Area Walk-By Checklist (AWC)AWC-021	I P3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>DG</u> Floor El. <u>15'-0"</u> Roo	m, Area ¹ 33 DIESEL GENERATOR ROOM
SWEL Components: SWEL1-078	
Photographs	
Note: wide flange across the room (spanning eastwest) supporting B574 duct with a gap between the base plate and the east wall	Note:

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 4 Area Walk-By Checklist (AWC) <u>AWC-022</u>	I P3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>PA</u> Floor El. <u>41'-0"</u> Room, Area ¹	
SWEL Components: SWEL1-025	
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near or space below each of the following questions may be used to record the results of Additional space is provided at the end of this checklist for documenting other contents.	of judgments and findings.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions. 	Y⊠ N□ U□ N/A□
 Does anchorage of equipment in the area appear to be free of significant degraded conditions? Yes, anchorage of equipment in the area appears 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)? Yes, based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.	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.

ATTACHMENT 9.7			AREA WAL	K-BY CHECKLIST
Sheet 2 of 4 Area Walk-By Checklis	t (AWC) AWC-0	22	Status:	IP3 Y⊠ N□ U□
Location: Bldg. PA	Floor El. <u>41'-0"</u>	Room, Area ¹		
SWEL Components:	SWEL1-025			
Does it appear that spatial interactions value and lighting)?		ntially adverse seismic the area (e.g., ceiling tiles	Y⊠ N□ U□	N/A
	the area is free of pote with other equipment ir	entially adverse seismic o the area.		
Does it appear that interactions that cou	the area is free of pote ld cause flooding or sp		Y⊠ N□ U□	I N/A□
	the area is free of pote lld cause flooding or sp	entially adverse seismic oray in the area.		
Does it appear that interactions that could	the area is free of pote ld cause a fire in the a		Y⊠ N□ U□	N/A□
	the area is free of pote ald cause a fire in the a	entially adverse seismic rea.		
	ted with housekeeping		Y□ N⊠ U□	N/A□
The fixture is tied in north end. During a	the center (with rope of seismic event the fixtu sitive equipment (see a	e directly above CS Pump 32. or zip tie) but loose at the re may fall and strike the oil attached photo). This is		

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 3 of 4	IP3 Status: Y⊠ N⊟ U⊟
Area Walk-By Checklist (AWC)AWC-022	
Location: Bldg. PA Floor El. 41'-0" Room, Area Location: Bldg. PA	
SWEL Components: SWEL1-025	
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□
Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.	
<u>Comments</u> (Additional pages may be added as necessary)	
Evaluated by: Maggie Farah	Date: 10/22/12
Kai Lo C.	10/22/12

ATTACHMENT 9.7 Sheet 4 of 4 Area Walk-By Checklist (AWC)AWC-022 Location: Bldg. PAFloor El. 41'-0" Room, Area1		AREA WALK-BY CHECKLIST IP3 Status: Y⊠ N□ U□	
		SWEL Components: SWEL1-025	
Photographs			
Note: broken fluorescent light fixture directly above CS Pump 32	Note:		
			Acid see
			and the second

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 6 Area Walk-By Checklist (AWC)AWC-023	IP3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>PA</u> Floor El. <u>41'-0</u> Room, Area ¹	
SWEL Components: SWEL1-024	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-By near of space below each of the following questions may be used to record the results Additional space is provided at the end of this checklist for documenting other of	of judgments and findings.
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□
Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.	
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N□ U□ N/A□
Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.	
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, based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.	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)? Observed Fluorescent light bulbs that are not secured or tied to the ligh fixture. During a seismic event, the bulbs may become loose and strike nearby sensitive equipment. This is addressed in IP3 SWEL1-024 and CR-IP3-2012-03481.	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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 6	IP3
Area Walk-By Checklist (AWC)AWC-023	Status: Y⊠ N□ U□
Location: Bldg. PA Floor El. 41'-0 Room, Area ¹	
SWEL Components: SWEL1-024	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area? Yes, it appears 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? Yes, it appears 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)? Observed tools. cables, parts resting on top of the CCW tank (see attached photos).	Y□ N⊠ U□ N/A□
Observed two buckets (collecting drips) at 32 CCW pump (see attached photos).	
Observed a bucket (with wheels) and mop stick near the hot water heater near Sump Pump 37 (see attached photo).	
Observed hoses coming out of CCW tank that are laid over piping, piping supports and ducts that are not tied down. The ends of two hoses seem to travel to an upper elevation connecting to another CCW tank. Another hose is resting on top of a pipe near SWN-32.	
Observed a ladder near the Appendix R safe shutdown ladder that is not restrained.	
The aforementioned items must be tied down/ properly secured or removed to prevent any interaction with nearby equipment. This is addressed in CR-IP3-2012-03501.	

TTACHMENT 9.7	AREA WALK-BY CHECKLIST
heet 3 of 6	I P3 Status: Y⊠ N□ U□
Area Walk-By Checklist (AWC)AWC-023	
Location: Bldg. <u>PA</u> Floor El. <u>41'-0</u> Room, Area ¹	
SWEL Components: SWEL1-024	
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, we have 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) Reference: IP3 SWEL1-024	
Evaluated by: Maggie Farah Kai Lo	Date: <u>10/22/12</u>
Nai LU	10/22/12

ATTACHMENT 9.7

AREA WALK-BY CHECKLIST

Sheet 4 of 6

IP3Status: Y⊠ N□ U□

Area Walk-By Checklist (AWC) ____AWC-023

Location: Bldg. PA

Floor El. 41'-0

Room, Area

SWEL Components:

SWEL1-024



Note: Tools on top of CCW tank



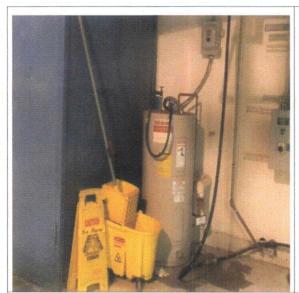
Note: Tools on top of CCW tank



Note: Bucket at 32 CCW pump



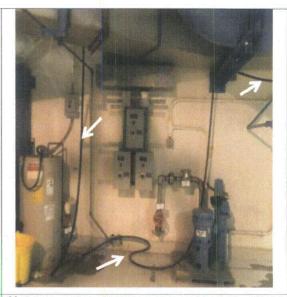
Note: Bucket at 32 CCW pump under the oil reservoir



SWEL1-024

Note: wheeled bucket and a mop stick

SWEL Components:



Note: loose hose laying on floor going to an upper elevation.

ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 6 of 6 Area Walk-By Checklist (AWC)AWC-023		I P3 Status: Y⊠ N⊟ U⊟
Location: Bldg. PA Floor El. 41'-0 Roo	m, Area ¹	
SWEL Components: SWEL1-024		
Note: Unrestrained ladder by the Appendix R safe shutdown ladder.	Note:	TE 182

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 4 Area Walk-By Checklist (AWC) AWC-024	IP3 Status: Y⊠ N⊡ U⊡
Location: Bldg. PA Floor El. 15'-0" Room, Area ¹ RHR PUMP	P ROOM (CELL 31)
SWEL Components: <u>SWEL1-028</u>	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-By near of space below each of the following questions may be used to record the results Additional space is provided at the end of this checklist for documenting other of the control of the co	of judgments and findings.
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□
Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.	
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N□ U□ N/A□
Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.	
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□
Yes, based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.	

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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 4	I P3 Status: Y⊠ N⊟ U⊟
Area Walk-By Checklist (AWC) <u>AWC-024</u>	
Location: Bldg. <u>PA</u> Floor El. <u>15'-0"</u> Room, Area ¹ <u>RHR PUMP</u>	ROOM (CELL 31)
SWEL Components: SWEL1-028	
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□
Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes, it appears 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□
Yes, it appears that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations.	

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 3 of 4 Area Walk-By Checklist (AWC) <u>AWC-024</u>	IP3 Status: Y⊠ N⊡ U⊡
Location: Bldg. PA Floor El. 15'-0" Room, Area RHR PUMP	ROOM (CELL 31)
SWEL Components: SWEL1-028	
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, we have 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) Reference: IP3 SWEL1-028	
Evaluated by: Maggie Farah Kai Lo	_ Date: <u>10/22/12</u>

ATTACHMENT 9.7	AREA WALK-BY CHECKLIS
Sheet 4 of 4	IP3 Status: Y⊠ N☐ U☐
Area Walk-By Checklist (AWC)AWC-024	
Location: Bldg. <u>PA</u> Floor El. <u>15'-0"</u> Room, Area ¹ <u>RH</u>	IR PUMP ROOM (CELL 31)
SWEL Components: SWEL1-028	
Photographs	= "
Semantic Control of the Control of t	
Note: piping with an unsupported length of approximately 25 to 30 ft. Note:	

ATTACH	MENT 9.7	AREA WALK-BY CHECKLIST
Sheet '	of 6	IP3
Area	Walk-By Checklist (AWC)AWC-025	Status: Y⊠ N☐ U☐
Locati	on: Bldg. <u>PA</u> Floor El. <u>73'-0"</u> Room, Area ¹	
SWE	Components: <u>SWEL1-092, 098, 093</u>	
Instru	ctions for Completing Checklist	
space	necklist may be used to document the results of the Area Walk-By near on below each of the following questions may be used to record the results o onal space is provided at the end of this checklist for documenting other co	f judgments and findings.
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□
	TR-4004 support base plate is missing two out of four anchor bolts. This is typical of all four base plates and based on the size of the cabinet, it is judged that this configuration is adequate for applied seismic loading.	
2.	Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y□ N⊠ U□ N/A□
	Electric heat tracing cabinet support base plates and anchor bolts are severely comoded. The Unistrut support column has been welded to the stair stringer to provide additional support. CR-IP3-2012-03595 documents this condition. LB-19 has evaluated this 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□
	Fluorescent tubes need to be restrained. This is a not a seismic adverse condition since equipment in the area are noted as hard targets. CR-IP3-2012-03595 has been written to remedy this condition.	
	The ladders at the entrance to the Nonregenerative Heat Exchanger Room need to be secured. This is not a seismic adverse concern since the ladders are not near any sensitive equipment. Good practice is to tie the ladders to the support frame. CR-IP3-2012-03501 has been written to investigate this condition.	
	 The following observation relate to duct FR-DF-40: The vise grips used to hold the seams on duct need to be replaced with a permanent corrective solution. One wall of the above duct is totally separated from the vertical comer and is flapping freely. The wall of the duct is light in weight and will not damage the nearby boric acid tank. In addition, total separation from the duct is unlikely; therefore, this is judged to have no adverse seismic condition. CR-IP3- 	

 $^{^{}_{1}}$ 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.

	MENT 9.7					AREA WA	LK-BY CHECKLIS	ıΤ
Sheet 2	of 6					.	IP3	_
Area \	Walk-By Checklis	st (AWC)	AWC-02	<u>25</u>		Status	: Y⊠ N□ U□	j
Locatio	on: Bldg. <u>PA</u>	Floor El.	<i>73'-0"</i>	_ Room, Area ¹ _				
SWEL	Components:	SWEL1-09	2, 098, 0	93				
4.	Does it appear that spatial interactions and lighting)?				smic ling tiles	Y⊠ N□ U[□ N/A□	
	Fluorescent tubes adverse condition s targets. Good prac 03481 has been w	since equipme tice is to tie th	ent in the a e bulbs to	rea are noted as h the fixture. CR-IP3	ard			
5.	Does it appear that interactions that co				smic '	Y⊠ N□ U[□ N/A□	
	Yes, it appears that interactions that co				smic			
6.	Does it appear that interactions that co				smic `	Y⊠ N□ U[□ N/A□	
	Yes, it appears that interactions that co				smic			
7.	Does it appear that interactions associ portable equipmen shielding)?	ated with hous	sekeeping	practices, storage	of	Y□ N⊠ U[□ N/A □	
	A pipe hanger is cl The seismically de 0.1" seismic displa only but the pipe is will also be small.	signed condui cement. The r seismically re	t is very rig nearby han estrained s	gid and will have le ger rod is for dead o the lateral displa	ess than I weight cement			
	In the South-east of vacuum that are all from any equipmer condition. CR-IP3-condition.	l unrestrained nt and this is n	The drum ot judged i	ns and vacuum are to be an adverse s	remote eismic			
	There is a hot wate Acid Tank 31 which 2012-03595 has be	h does not hav	e any app	arent anchorage.				
	Through wall room not appear to have is no safety related interaction.	any lateral re	straint for a	seismic loading. Si	ince there			

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 3 of 6 Area Walk-By Checklist (AWC) <u>AWC-025</u>	I P3 Status: Y⊠ N⊡ U⊡
Location: Bldg. PA Floor El. 73'-0" Room, Area Location: Bldg. PA	
SWEL Components: <u>SWEL1-092, 098, 093</u>	
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□
Yes we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.	
Comments (Additional pages may be added as necessary) One light bulb above CC Surge Tank #31 needs to be replaced.	
Evaluated by: Stephen Yuan	Date: <u>10/22/2012</u>
Paul Huebsch	Date: <u>10/22/2012</u>

ATTACHMENT 9.7

Sheet 4 of 6

Area Walk-By Checklist (AWC) AWC-025

Location: Bldg. PA Floor El. 73′-0″ Room, Area¹

SWEL Components:

SWEL1-092, 098, 093

Photographs



Note: Base plate with two out of four anchor bolts in place.



Note: Electric heat tracing cabinet base plate



Note: Electric heat tracing cabinet base plate inside of curbed area.



Note: Unsecured ladders at the Nonregerative heat exchanger room

ATTACHMENT 9.7

Sheet 5 of 6

Area Walk-By Checklist (AWC) __AWC-025

Location: Bldg. PA ___Floor El. 73'-0" __Room, Area¹ _____

SWEL Components: SWEL1-092, 098, 093



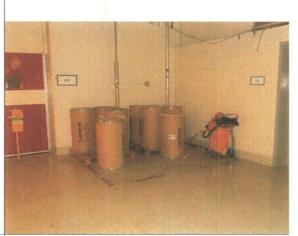
Note: Hot water heater with no apparent restraint



Note: Duct work held together with vise grips



Note: Ductwork with side not connected at comer seam.



Note: Pallets, drums and vacuum not secured.

ATTACHMENT 9.7

Sheet 6 of 6

IP3

Status: Y N U

Location: Bldg. PA Floor El. 73'-0" Room, Area¹

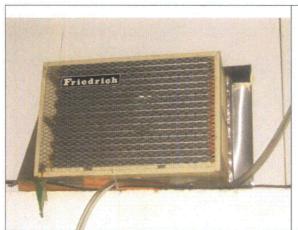
SWEL Components: SWEL1-092, 098, 093



Note: Pipe hanger in close contact with horizontal pipe.



Note: Air conditioner with no apparent horizontal support.



Note: Air conditioner with no apparent lateral support



Note: Masonry wall at office section

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 4 Area Walk-By Checklist (AWC)AWC-026	IP3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>PA</u> Floor El. <u>73'-0"</u> Room	, Area ¹
SWEL Components: SWEL1-039	
Instructions for Completing Checklist This checklist may be used to document the results of the A space below each of the following questions may be used to Additional space is provided at the end of this checklist for	record the results of judgments and findings.
 Does anchorage of equipment in the area appear to potentially adverse seismic conditions (if visible with opening cabinets)? Yes anchorage of equipment in the area appears to potentially adverse seismic conditions. 	out necessarily
 Does anchorage of equipment in the area appear to significant degraded conditions? Yes anchorage of equipment in the area appears to significant degraded conditions. 	
3. Based on a visual inspection from the floor, do the confidence raceways and HVAC ducting appear to be free of poseismic conditions (e.g., condition of supports is adeconditions of cable trays appear to be inside acceptated acceptance of the second support of the floor, the support of the floor, the support of the floor of the	etentially adverse equate and fill able limits)? cable/conduit

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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 4	IP3
Area Walk-By Checklist (AWC)AWC-026	Status: Y⊠ N□ U□
Location: Bldg. PA Floor El. 73'-0" Room, Area ¹	
SWEL Components: SWEL1-039	
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□
Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
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□
Yes it appears that the area is free of potentially adverse seismic interactions associated with housekeeping practices. storage of portable equipment, and temporary installations.	

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 3 of 4 Area Walk-By Checklist (AWC) <u>AWC-026</u>	IP3 Status: Y⊠ N⊟ U⊟
Location: Bldg. PA Floor El. 73'-0" Room, Area ¹	
SWEL Components: SWEL1-039	
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□
Yes we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.	
<u>Comments</u> (Additional pages may be added as necessary)	
Evaluated by: Stephen Yuan	Date: 10/22/2012
tand 14	Date. IU/LL/2012
Paul Huebsch Ú	Date: <u>10/22/2012</u>

ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 4 of 4		IP3
Area Walk-By Checklist (AWC)AWC-0	26	Status: Y⊠ N□ U□
Area waik-by Checklist (AWC)AWC-0	<u> 20</u>	
Location: Bldg. <u>PA</u> Floor El. <u>73'-0"</u>	Room, Area ¹	
SWEL Components: SWEL1-039		
Photographs		
No photos of this area	Note:	
Note.	Note:	

ATTACHMENT 0.7				ADDA WALLE DV	Cusarrias
ATTACHMENT 9.7			<u> </u>	AREA WALK-BY	
Sheet 1 of 4 Area Walk-By Check	list (AWC)AWC	<u>-027</u>		Status: Y⊠	IP3 N□ U□
Location: Bldg. PA	Floor El. <u>15'-0"</u>	Room, Area ¹	RHR PUMP ROOM	Л (CELL32)	
SWEL Components:	SWEL1-029				
Instructions for Compl	eting Checklist				
This checklist may be us space below each of the Additional space is provi	following questions ma	ay be used to record	I the results of judgr	ments and findir	is. The ngs.
	of equipment in the are se seismic conditions (i s)?			N□ U□ N/A	
	of equipment in the are se seismic conditions.	a appears to be free	e of		
significant degrad				N□ U□ N/A	
Yes, anchorage o significant degrad	of equipment in the area	a appears to be free	of		
raceways and H\ seismic condition	al inspection from the flow VAC ducting appear to lost (e.g., condition of supple trays appear to be in	be free of potentially oports is adequate a	/ adverse and fill	N⊠ U□ N/A	
coming out of the	te disposal liquid pipe (a e north wall then penetr gth of approximately 25	ates the floor with a	n		
LB-12 evaluates	this condition.				
	nat the area is free of pons with other equipmen			N□ U□ N/A	
	hat the area is free of pans with other equipmen	-	eismic		

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.

ATTACHMENT S	.7					AREA WALI	K-BY CHECKLIST
Sheet 2 of 4 Area Walk-	By Checklis	t (AWC)	AWC-027	-		Status:	IP3 Y⊠ N□ U□
Location: Blo	lg. <i>PA</i>	Floor El.	<u>15'-0"</u>	Room, Area ¹ RH	R PUMP ROO	M (CELL32	<u> </u>
SWEL Com	ponents:	SWEL1-02	29				
				ally adverse seism y in the area?	ic Y⊠	N□ U□	N/A
	t appears that ctions that co		•	ially adverse seism y in the area.	nic		
	it appear that ctions that cou			ally adverse seism a?	ic Y⊠) N□ U□	N/A 🗌
	t appears that ctions that co		•	ially adverse seism a.	nic		
intera	ctions associa de equipment	ited with hous	sekeeping pr	ally adverse seism actices, storage of ons (e.g., scaffoldir	Ī] N	N/A 🗌
intera		ited with hous	sekeeping pr	ially adverse seism actices, storage of ons,			
O Have	vov looked fo	d f d	- 41				
	•			mic conditions that juipment in the are] N□ U□	
				seismic conditions the equipment in t			

	AREA WALK-BY CHECKLIST
	I P3 Status: Y⊠ N⊟ U⊟
st (AWC) <u>AWC-0</u>	
Floor El. <u>15'-0"</u>	Room, Area ¹ RHR PUMP ROOM (CELL32)
SWEL1-029	
ges may be added as no	ecessary)
Moderal	
	Date: 10/22/12
	Floor El. 15'-0" SWEL1-029 ages may be added as no

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 4 of 4 Area Walk-By Checklist (AWC)AWC-027	I P3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>PA</u> Floor El. <u>15'-0"</u> Ro	om, Area ¹ RHR PUMP ROOM (CELL32)
SWEL Components: SWEL1-029	
Photographs	
Note: piping with an unsupported length of approximately 25 ft to 30 ft	Note:
spp. santatory as a to so at	

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 4	I P3 Status: Y⊠ N⊟ U⊟
Area Walk-By Checklist (AWC)AWC-028	Status. 12 NC C
Location: Bldg. PA Floor El. 55'-0" Room, Area ¹	
SWEL Components: SWEL1-011, 009	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-By near of space below each of the following questions may be used to record the results Additional space is provided at the end of this checklist for documenting other of the control of the co	of judgments and findings.
 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□
Camera mounted on post with base plate which has no anchor bolts and stands adjacent to the stairway. CR-IP3-2012-03565 has been written to correct this condition.	
LB-12 was performed to evaluate the condition.	
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N□ U□ N/A□
Yes anchorage of equipment in the area appears to be free of significant degraded conditions.	
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□
Yes based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.	
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)? See question #1.	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.

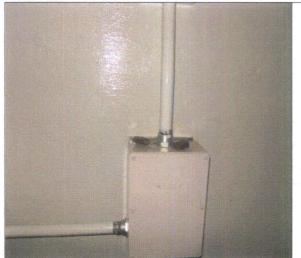
ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 4	I P3 Status: Y⊠ N⊟ U⊟
Area Walk-By Checklist (AWC) <u>AWC-028</u>	
Location: Bldg. PA Floor El. 55'-0" Room, Area ¹	
SWEL Components: SWEL1-011, 009	
5. Does it appear that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area?	Y⊠ N□ U□ N/A□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
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□
Various housekeeping practices were identified:	
 Loose padlocks left in the area. Because of the small mass of the padlocks and there location, this is not considered an adverse seismic condition. It is considered to be a housekeeping problem. 	
 Unsecured tool boxes and unlocked electrical cabinet noted. This condition exists remote from equipment which might be affected by a seismic event. 	
 Fluorescent tube missing near transformer 32. This is not an adverse seismic condition. 	
CR-IP3-2012-03501 tracks the resolutions.	
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□
Yes we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.	
Comments (Additional pages may be added as necessary)	

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ATTACHMENT 9.7			AF	REA WALK-BY CHECKLIST
Sheet 3 of 4			***************************************	IP3 Status: Y⊠ N□ U□
Area Walk-By Checklis	st (AWC)AWC-02	28		
Location: Bldg. PA	Floor El. <u>55'-0"</u>	Room, Area ¹		
SWEL Components:	SWEL1-011, 009			
	Story			
Evaluated by: <u>Stephen Yu</u>	an / l		Date:	10/22/2012
	tand HC			
<u>Paul Huebs</u>	ch		Date:	10/22/2012

ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 4 of 4	6		IP3 Status: Y⊠ N□ U□
Area Walk-By Checkli	st (AWC)AWC-0	28	Status. TA NO O
Location: Bldg. PA	Floor El. <u>55'-0"</u>	Room, Area ¹	
SWEL Components:	SWEL1-011, 009		

Photographs



Note: Loose padlocks on top of cabinet



Note: Unsecured tool box on top of cabinet and cabinet door not closed.



Note: Camera on post with unsecured base plate

Note:

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 4 Area Walk-By Checklist (AWC)AWC-029	IP3 Status: Y⊠ N☐ U☐
Location: Bldg. <u>PA</u> Floor El. <u>55'-0"</u> Room, Area ¹	
SWEL Components: SWEL1-087	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-By near or space below each of the following questions may be used to record the results of Additional space is provided at the end of this checklist for documenting other contents.	of judgments and findings.
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□
Appendix R cabinet EBR-22-PAB is not snug against the support. There is a gap between the back of the cabinet and the supporting surface at the top. The nut inside the Unistrut channel is still engaged and the bolt is still there. SWEs judged that the EBR will not fall during a seismic event. CR-IP3-2012-03557 has been written to evaluate this condition to properly secure this item.	
 Does anchorage of equipment in the area appear to be free of significant degraded conditions? 	Y⊠ N□ U□ N/A□
Yes anchorage of equipment in the area appears to be free of significant degraded conditions.	
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□
Yes based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.	

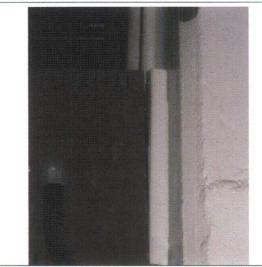
¹ If the room in which the SWEL item is located is very large (e.g., Turbine Hall), the area selected should be described. This selected area should be based on judgment, e.g., on the order of about 35 feet from the SWEL item.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 4 Area Wells By Checklist (AWC) AWC 029	I P3 Status: Y⊠ N⊟ U⊟
Area Walk-By Checklist (AWC) AWC-029	
Location: Bldg. <u>PA</u> Floor El. <u>55'-0"</u> Room, Area ¹	
SWEL Components: SWEL1-087	
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□
Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
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□
Various housekeeping practices were identified: - Loose cart found in the area. CR-IP3-2012-03501 tracks the resolution.	
 Loose part found in the area near EBR-22-PAB CR-IP3-2012-03501 tracks the resolution. 	

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 3 of 4 Area Walk-By Checklist (AWC) <u>AWC-029</u>	I P3 Status: Y⊠ N⊟ U⊟
Location: Bldg. PA Floor El. 55'-0" Room, Area ¹	
SWEL Components: SWEL1-087	
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□
Yes we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.	
<u>Comments</u> (Additional pages may be added as necessary)	
Evaluated by: Stephen Yuan	Date: <u>10/22/2012</u>
Paul Huebsch	_ Date: <u>10/22/2012</u>

ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 4 of 4			IP3 Status: Y⊠ N□ U□
Area Walk-By Checklist (AWC)AWC-029		29	Status. TA IV. O.
Location: Bldg. PA	Floor El. <u>55'-0"</u>	Room, Area ¹	
SWEL Components:	SWEL1-087		

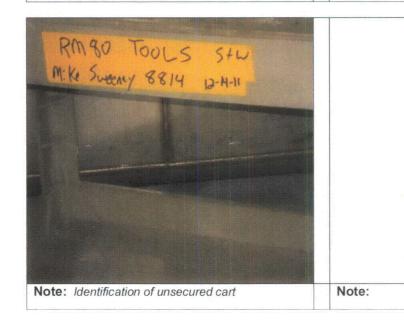
Photographs



Note: Appendix R cabinet with gap at top behind back plate



Note: Unsecured cart



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ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 4 Area Walk-By Checklist (AWC)AWC-030_	IP3 Status: Y□ N□ U⊠
Location: Bldg. <u>PA</u> Floor El. <u>55'-0"</u> Room, Area ¹	0.6102-00
SWEL Components: SWEL1-027	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-By near on space below each of the following questions may be used to record the results o Additional space is provided at the end of this checklist for documenting other co	f judgments and findings.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Pipes connected to and near valve AC-757E have long unsupported length in the vertical direction This condition is shown on drawing 9321-F-55743 for line no. 641. The piping is seismic class I and has been analyzed and supported seismically. 	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□
Yes anchorage of equipment in the area appears to be free of significant degraded conditions.	
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□
Yes based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.	

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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 4	IP3
Area Walk-By Checklist (AWC)AWC-030	Status: Y☐ N☐ U⊠
Location: Bldg. PA Floor El. 55'-0" Room, Area	
SWEL Components: SWEL1-027	
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□
Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.	
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□
The area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
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□
Yes it appears that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations.	

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 3 of 4 Area Walk-By Checklist (AWC) <u>AWC-030</u>	IP3 Status: Y⊡ N⊡ U⊠
Location: Bldg. PA Floor El. 55'-0" Room, Area ¹	
SWEL Components: SWEL1-027	
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□
Yes we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.	
<u>Comments</u> (Additional pages may be added as necessary)	
•	
Evaluated by: Stephen Yuan	Date: 10/22/2012
(two) H-C	
Paul Huebsch U	Date: <u>10/22/2012</u>

ATTACHMENT 9.7		AREA WALK-BY CHECKLIST		
Sheet 4 of 4		IP3 Status: Y□ N□ U⊠		
Area Walk-By Checkli	st (AWC)AWC-030	¥4		
Location: Bldg. PA	Floor El. <u>55'-0"</u>	Room, Area ¹ _		
SWEL Components:	SWEL1-027			
Photographs				48
Note: Pipes connected have long unsupported in direction and are in control.		E Note:		

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 4 Area Walk-By Checklist (AWC)AWC-031	I P3 Status: Y⊠ N□ U□
Location: Bldg. <u>PA</u> Floor El. <u>34'-0"</u> Room, Area ¹ <u>SA</u>	FETY INJECTION PUMP ROOM
SWEL Components: SWEL1-021	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-B space below each of the following questions may be used to record the Additional space is provided at the end of this checklist for documenting	e results of judgments and findings.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessary opening cabinets)? 	Y⊠ N□ U□ N/A□ arily
Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.	
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N□ U□ N/A□
Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.	
3. Based on a visual inspection from the floor, do the cable/conduinanceways and HVAC ducting appear to be free of potentially adseismic conditions (e.g., condition of supports is adequate and conditions of cable trays appear to be inside acceptable limits)?	verse fill
Yes, based on a visual inspection from the floor, the cable/condraceways and HVAC ducting appears to be free of potentially as seismic conditions.	

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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 4 Area Walk-By Checklist (AWC)AWC-031	I P3 Status: Y⊠ N⊟ U⊟
Location: Bldg. <u>PA</u> Floor El. <u>34'-0"</u> Room, Area ¹ <u>SAFETY IN.</u>	IECTION PUMP ROOM
SWEL Components: SWEL1-021	
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□
Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
6. Does it appear that the area is free of potentially adverse seismic interactions that could cause a fire in the area? Yes, it appears 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□
Observed a brush, tape and a filter resting, unrestrained on a shelf located on the south wall of the room between SI Pumps 31 and 32 (see attached photo). During a seismic event these items may dislodge or act as missile and strike nearby components. This is addressed in CR-IP3-2012-03501.	

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 3 of 4 Area Walk-By Checklist (AWC) <u>AWC-031</u>	I P3 Status: Y⊠ N⊟ U⊟
Location: Bldg. <u>PA</u> Floor El. <u>34'-0"</u> Room, Area ¹ <u>SAF</u>	ETY INJECTION PUMP ROOM
SWEL Components: SWEL1-021	
 Have you looked for and found no other seismic conditions that of adversely affect the safety functions of the equipment in the area 	
Yes, we have looked for and found no other seismic conditions to could adversely affect the safety functions of the equipment in the	
<u>Comments</u> (Additional pages may be added as necessary)	
Evaluated by: Maggie Farah	Date: <u>10/22/12</u>
Kai Lo CC.	10/22/12

Sheet 4 of 4 Area Walk-By Checklist (AWC) AWC-031 Location: Bldg. PA Floor El. 34'-0" Room, Area SAFETY INJECTION PUMP ROOM SWEL Components: SWEL1-021 Photographs Note: unrestrained filter, brush and tape on wall shelf.	ATTACHMENT 9.7			AREA WAI	K-BY CHECKLIST
SWEL Components: SWEL1-021 Photographs COMTAMINATED TRASB Note: unrestrained filter, brush and tape on wall Note:	Sheet 4 of 4 Area Walk-By Checklist (AWC)AWC-031			Status:	I P3 Y⊠ N□ U□
Photographs CONTAMNATED TRASB Note: unrestrained filter, brush and tape on wall Note:	Location: Bldg. PA Floor El. 34'-0" R	loom, Area ¹ §	SAFETY IN	IJECTION PUMP	ROOM
CONTAMINATED TRASH Note: unrestrained filter, brush and tape on wall Note:	SWEL Components: SWEL1-021				
Note: unrestrained filter, brush and tape on wall	Photographs				

	Note: unrestrained filter, brush and tape on wall shelf.	Note:			

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 4 Area Walk-By Checklist (AWC) <u>AWC-032</u>	I P3 Status: Y⊠ N⊡ U⊡
Location: Bldg. PA Floor El. 55'-0" Room, Area	
SWEL Components: SWEL1-026	
Instructions for Completing Checklist This checklist may be used to document the results of the Area Walk-By near o	ne or more SWEL items. The
space below each of the following questions may be used to record the results Additional space is provided at the end of this checklist for documenting other c	
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□
Yes anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.	
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N□ U□ N/A□
Yes anchorage of equipment in the area appears to be free of significant degraded conditions.	
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□
Yes based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.	

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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 4	IP3 Status: Y⊠ N□ U□
Area Walk-By Checklist (AWC)AWC-032	
Location: Bldg. <u>PA</u> Floor El. <u>55'-0"</u> Room, Area ¹	West
SWEL Components: SWEL1-026	
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□
Fluorescent tubes need to be restrained. CR-IP3-2012-03481 has been written to remedy this condition.	
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□
Area heater UH335 has threaded hot water piping which does not appear to be seismically supported. Maximum span is approximately 15 feet for estimated 2" diameter pipe. Area heater UH334 has a similar condition but it is more remote from the equipment area.	
LB-14 was performed to analyze this condition.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
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)? Screw driver left on Unistrut. See photo. This is considered a housekeeping condition and not considered an adverse seismic	Y⊠ N□ U□ N/A□
condition. Miscellaneous parts on top of panel. See photo. This is considered a housekeeping condition and not considered an adverse seismic condition.	
CR-IP3-3012-03501 has been written to remedy this condition.	

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 3 of 4 Area Walk-By Checklist (AWC) <u>AWC-032</u>	I P3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>PA</u> Floor El. <u>55'-0"</u> Room, Area ¹	
SWEL Components: SWEL1-026	
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□
Yes we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.	
Comments (Additional pages may be added as necessary)	
Reference: LB-14	
Stoly	
Evaluated by: <u>Stephen Yuan</u>	Date: <u>10/22/2012</u>
(du) 14-C	
Paul Huebsch U	Date: 10/22/2012

ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 4 of 4			I P3 Status: Y⊠ N⊟ U⊟
Area Walk-By Checkli	st (AWC)AWC-032		Status. 1 N N O
Location: Bldg. PA	Floor El. <u>55'-0"</u> R	Room, Area ¹	
SWEL Components:			
Photographs			
Note: Screw driver left	on Unistrut	Note: Miscellaneou	s parts on top of panel
Note: Area heater UHS	334 piping not seismically	Note:	

ATTACHMENT 9.7					AREA WAL	K-BY CHECKLIST
Sheet 1 of 4					Chahua	IP3
Area Walk-By Chec	klist (AWC)	AWC-03	<u>3</u>		Status:	Y⊠ N□ U□
Location: Bldg. PAB	Floor EI.	41'-0"	_ Room, Area ¹ _			
SWEL Components	: <u>SWEL2-0</u>	01				
Instructions for Comp	leting Checklis	t				
This checklist may be uspace below each of the Additional space is pro-	e following ques	tions may be	e used to record t	he results of ju	dgments and	
Does anchorage potentially adve opening cabinet	rse seismic cond		opear to be free o ible without neces		□ N⊠ U□	N/A
to the Unistrut w penetrates PA1	vith a zip tie. The 19 duct in the ov igth from the wa	PVC come erhead (see II to the duct	tion Pump that is s out of the west v attached photos; is approximately	vall and). The		
LB-15 evaluates	this condition.					
 Does anchorage significant degra 	e of equipment in aded conditions?		opear to be free o	f Y	⊠ N□ U□	N/A
Yes, anchorage significant degra		the area ap	pears to be free c	of		
seismic condition conditions of ca	IVAC ducting ap ns (e.g., condition ble trays appear a visual inspection IVAC ducting ap	pear to be fron of support to be inside on from the fi	do the cable/condine of potentially a ts is adequate and acceptable limits door, the cable/confree of potentially	adverse d fill)? nduit	⊠ 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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 4	I P3 Status: Y⊠ N⊡ U⊡
Area Walk-By Checklist (AWC)AWC-033	
Location: Bldg. <u>PAB</u> Floor El. <u>41'-0"</u> Room, Area ¹	
SWEL Components: SWEL2-001	
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□
Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
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□
Observed a compressed air tank cap resting on the compressed air tank support (gas bottle rack) located on the south wall near RWST Purification Pump. During a seismic event, the cap may act as a missile and strike nearby equipment. This is documented in CR-IP3-2012-03501.	

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 3 of 4	IP3 Status: Y⊠ N□ U□
Area Walk-By Checklist (AWC) <u>AWC-033</u>	
Location: Bldg. <u>PAB</u> Floor El. <u>41'-0"</u> Room, Area ¹	
SWEL Components: SWEL2-001	
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□
Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.	
Comments (Additional pages may be added as necessary) Observed a clock mounted on the north wall near the RWST Purification	
Pumps that is well secured. SWES judged the clock to have no adverse	seismic interaction.
Reference: LB-15	
Evaluated by: Maggie Farah	Date: <u>10/22/12</u>
Kai Lo C.	10/22/12

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 4 of 4	IP3
Area Walk-By Checklist (AWC)AWC-033	Status: Y⊠ N□ U□
Location: Bldg. PAB Floor El. 41'-0" R	coom Area ¹
SWEL Components: SWEL2-001	
Photographs	
Note: PVC zip tied to unistrut	Note: PVC penetrates duct
ANCE TO ANNOUNCE TO AN ANNOUNCE TO ANNOUNC	
Note: Loose cap behind the compressed air bottles.	Note:

ATTACHMENT 9.7	7					AREA WALI	K-BY CHECKLIST
Sheet 1 of 3						Status	IP3 Y□ N□ U⊠
Area Walk-B	y Checklis	t (AWC) _	AWC-0	134		Status.	
Location: Bldg	. <i>PA</i>	Floor El.	<u>73'-0"</u>	Room, Area ¹			
SWEL Comp	onents:	SWEL1-0	84, 097				
Instructions for	or Complet	ng Checklis	st				
				ts of the Area Walk-			
				be used to record the ecklist for documenting			tingings.
potentia				appear to be free of isible without neces		′⊠ N∏ U∏	N/A□
	_	equipment in seismic con		appears to be free o	f		
		equipment in department in department of the dep		appear to be free of	Y	′⊠ N□ U□	N/A□
	_	equipment in d conditions.		appears to be free o	f		
racewa seismic	ys and HVA conditions	C ducting ap (e.g., condition	pear to be on of supp	r, do the cable/cond free of potentially a orts is adequate and de acceptable limits)	dverse I fill	'⊠ N□ U□] N/A□
racewa				e floor, the cable/con e free of potentially			
	interactions			entially adverse seisr n the area (e.g., ceili		′⊠ N□ U□] N/A□
		t the area is a with other ed		entially adverse seis n the area.	mic		
				entially adverse seismoray in the area?	mic Y	V⊠ N□ U□	N/A□
				entially adverse seis oray in the area.	mic		

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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 3 Area Walk-By Checklist (AWC)AWC-034	IP3 Status: Y☐ N☐ U⊠
Location: Bldg. <u>PA</u> Floor El. <u>73'-0"</u> Room, Area ¹	
SWEL Components: SWEL1-084, 097	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations.	
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, we have 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) Reference: IP3 SWEL1-029	
Evaluated by: <u>Stephen Yuan</u>	Date: <u>10/22/12</u>
Paul Huebsch	Date: 10/22/12

ATTACHMENT 9.7			AREA WALK-BY CHECKLIST
Sheet 3 of 3			IP3
Area Walk-By Checklis	t (AWC)AWC-03	<u>34</u>	Status: Y☐ N☐ U⊠
Location: Bldg. PA	Floor El. <u>73'-0"</u>	Room, Area ¹	
SWEL Components:	SWEL1-084, 097		
Photographs		,	
N-4		Nets	
Note: no photos attache	a	Note:	

ATTACHMENT 9.7				AREA WALK-BY CHECKLIS
Sheet 1 of 4 Area Walk-By Checkl	ist (AWC)	AWC-0	035	I P3 Status: Y⊠ N⊟ U⊑
Location: Bldg. PA	Floor EI.	<u>41'-0"</u>	Room, Area ¹	
SWEL Components:	SWEL1-0	45		
space below each of the	ed to documen following ques	it the resu tions may		ar one or more SWEL items. The ults of judgments and findings. er comments.
opening cabinets)	e seismic cond? ? 	ditions (if v the area a	appear to be free of risible without necessarily appears to be free of	Y⊠ N□ U□ N/A□
Does anchorage of significant degrad Yes anchorage of significant degrad	ed conditions?	,	appear to be free of appears to be free of	Y⊠ N□ U□ N/A□
raceways and HV seismic conditions conditions of cable Yes based on a vi	AC ducting ap s (e.g., condition e trays appear isual inspection AC ducting ap	pear to be on of supp to be insident	r, do the cable/conduit e free of potentially adverse orts is adequate and fill de acceptable limits)? floor, the cable/conduit the free of potentially advent	

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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 4	IP3 Status: Y⊠ N□ U□
Area Walk-By Checklist (AWC)AWC-035	Status. TO NO O
Location: Bldg. PA Floor El. 41'-0" Room, Area Room, Area	
SWEL Components: <u>SWEL1-045</u>	
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□
Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
There is a considerable amount of water on the floor indicating potential leakage from piping in the area. CR-IP3-2012-3527 has been written to remedy this condition.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
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□
Several lights are out and need to be replaced. The florescent tube needs to be restrained.	
CR-IP3-2012-03661has been written to remedy this condition.	

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 3 of 4	IP3 Status: Y⊠ N⊟ U⊟
Area Walk-By Checklist (AWC)AWC-035	Status. 16 No O
Location: Bldg. PA Floor El. 41'-0" Room, Area ¹	
SWEL Components: <u>SWEL1-045</u>	
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□
Yes we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.	
<u>Comments</u> (Additional pages may be added as necessary)	
Stoly	
Evaluated by: <u>Stephen Yuan</u>	Date: <u>10/22/2012</u>
(the) He	
Paul Huebsch	Date: 10/22/2012

ATTACHMENT 9.7			AR	EA WALK-BY	CHECKLIST
Sheet 4 of 4				Status: Y⊠	IP3 N□ U□
Area Walk-By Checkli	st (AWC)AWC-035			Oldido. 123	
Location: Bldg. PA	Floor El. <u>41'-0"</u> Roo	om, Area ¹			
SWEL Components:	SWEL1-045				
Photographs					
					:::
HARRIED .					4
					10.
	40				
1990		6.2			
		80 90			
					β1.
		A Louisse, IX II. Tay II. XIII. XIII			
	derable amount of water on ntial leakage from piping in	Note:			
the area.					X.
	in	, 200 (200			SSE

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
<u> </u>	
Sheet 1 of 5 Area Walk-By Checklist (AWC) <u>AWC-036</u>	IP3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>IS</u> Floor El. <u>15'-0"</u> Room, Area ¹	
SWEL Components: SWEL1-001, 002	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-By near of space below each of the following questions may be used to record the results Additional space is provided at the end of this checklist for documenting other of the control of the co	of judgments and findings.
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Nearby Unistruts for panels and stanchions for pipe supports show varying signs of advanced corrosion. CR-IP3-2012-03633 has been written to remedy the condition for the stanchions. EC-38453 was generated to repair DPIC-1111 and DPIC-1113 thru 1116 racks. EC-28998 was generated for the corroded IA supports. 	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□
Nearby Unistruts for panels and stanchions for pipe supports show varying signs of advanced corrosion. CR-IP3-2012-03633 has been written to remedy this condition. EC-38453 was generated for the DPIC racks. EC-28998 was generated for the IA supports.	
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□
Yes based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.	

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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 5 Area Walk-By Checklist (AWC)AWC-036_	I P3 Status: Y⊠ N□ U□
Location: Bldg. IS Floor El. 15'-0" Room, Area 1	
SWEL Components: SWEL1-001, 002	
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 area has bar grating at the ceiling level and it is determined that the grating is well secured to the support steel and not subject to displacement.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
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□
Yes it appears that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations.	

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 3 of 5 Area Walk-By Checklist (AWC) <u>AWC-036</u>	I P3 Status: Y⊠ N⊡ U⊡
Location: Bldg. <u>IS</u> Floor El. <u>15'-0"</u> Room, Area ¹	
SWEL Components: SWEL1-001, 002	
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□
Yes we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.	
<u>Comments</u> (Additional pages may be added as necessary)	
Evaluated by: <u>Stephen Yuan</u>	Date: <u>10/23/2012</u>
Paul Huebsch	Date: 10/23/2012

ATTACHMENT 9.7

Sheet 4 of 5

Area Walk-By Checklist (AWC) __AWC-036

Location: Bldg. /S __Floor El. 15'-0" __Room, Area¹ ______

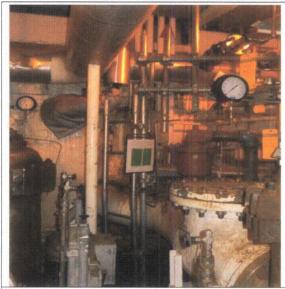
SWEL Components: SWEL1-001, 002



Note: Anchor bolt for strainer (stainless steel) with some corrosion of base angle.



Note: View of piping at strainer



Note: Scaffolding adjacent to strainers with green tag.



Note: Corrosion at the base of a Unistrut column

AREA WALK-BY CHECKLIST

Sheet 5 of 5

Status: Y N U

Area Walk-By Checklist (AWC) ____AWC-036

Location: Bldg. IS

Floor El. <u>15'-0"</u>

Room, Area¹

SWEL Components:

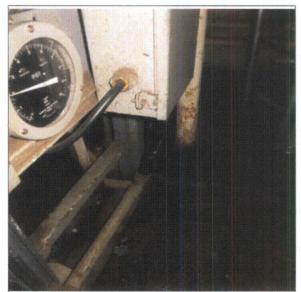
SWEL1-001, 002



Note: Corrosion at the base of a Unistrut column



Note: Unistrut column which is beginning to tilt



Note: Pipe support stanchion showing considerable corrosion



Note: Grating forming the ceiling of the room is well secured to the support steel

ATTACH	IMENT 9.7	AREA WALK-BY CHECKLIST
Sheet	1 of 3	04-4 VV NO NO
Area	Walk-By Checklist (AWC)AWC-037	Status: Y⊠ N□ U□
Locati	on: Bldg. <u>DG</u> Floor El. <u>38'-6"</u> Room, Area ¹	
SWE	L Components: <u>SWEL1-032</u>	
Instru	ctions for Completing Checklist	
space	hecklist may be used to document the results of the Area Walk-By near or below each of the following questions may be used to record the results conal space is provided at the end of this checklist for documenting other or	of judgments and findings.
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□
	Yes anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.	
2.	Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N□ U□ N/A□
	Yes anchorage of equipment in the area appears to be free of significant degraded conditions.	
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⊠
	Pump is in a pit with no HVAC or conduit raceways above.	
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□
	Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area	
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□
	Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	

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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 3 Area Walk-By Checklist (AWC)AWC-037	Status: Y⊠ N□ U□
Location: Bldg. <u>DG</u> Floor El. <u>38'-6"</u> Room, Area ¹	
SWEL Components: SWEL1-032	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
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□
Yes it appears that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations.	
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□
Yes we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.	
Comments (Additional pages may be added as necessary)	
10-011	
Evaluated by: <u>Stephen Yuan</u>	Date: <u>10/22/2012</u>
Paul Huebsch	Date: 10/22/2012
i autituepscii 🔾	Date. 10/22/2014

ATTACHMENT 9.7

Sheet 3 of 3

Area Walk-By Checklist (AWC) __AWC-037

Location: Bldg. DG __Floor El. 38'-6" __Room, Area1 _____

SWEL Components: SWEL1-032



Note: F.O. Transfer Pump



Note: Another view of the pump.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST	
Sheet 1 of 4 Area Walk-By Checklist (AWC)AWC-038	Status: Y⊠ N□ U□	
Location: Bldg. PP Floor El. 41'-0" Room, Area ¹		
SWEL Components: 1-036, 037		
Instructions for Completing Checklist		
This checklist may be used to document the results of the Area Walk-By near space below each of the following questions may be used to record the results Additional space is provided at the end of this checklist for documenting other	of judgments and findings.	
 Does anchorage of equipment in the area appear to be free of potentially adverse seismic conditions (if visible without necessarily opening cabinets)? Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions. 	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□	
Yes anchorage of equipment in the area appears to be free of significant degraded conditions.		
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□	
Yes based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.		

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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 4	Status: Y⊠ N□ U□
Area Walk-By Checklist (AWC)AWC-038	
Location: Bldg. PP Floor El. 41'-0" Room, Area ¹	
SWEL Components: 1-036, 037	
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□
Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
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□
Yes it appears that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations.	

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 3 of 4 Area Walk-By Checklist (AWC)AWC-038_	Status: Y⊠ N□ U□
Location: Bldg. PP Floor El. 41'-0" Room, Area ¹	
SWEL Components: <u>1-036, 037</u>	
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□
Yes we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.	
<u>Comments</u> (Additional pages may be added as necessary)	
Evaluated by: <u>Stephen Yuan</u>	Date: 10/22/2012
(two) 144	
Paul Huebsch (Date: 10/22/2012

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST	
Sheet 4 of 4 Area Walk-By Checklist (AWC)AWC-038	Status: Y⊠ N□ U□	
Location: Bldg. PP Floor El. 41'-0" Ro	oom, Area ¹	
SWEL Components: <u>1-036, 037</u>		
Photographs		
Note: CH-MOV-441 AND 442	Note:	

ATTACHI	MENT 9.7				AREA WALK-BY CHECKLIST
Sheet 1	of 3				IP3 Status: Y⊠ N⊟ U⊟
Area \	Walk-By Checklis	st (AWC)	AWC-03	39	Otatus. 123 NE OE
Locatio	on: Bldg. <u>FB</u>	Floor El.	72'-0"	Room, Area ¹	
SWEL	. Components:	SWEL1-04	16		
Instruc	ctions for Complet	ing Checklist	t		
space	below each of the fo	llowing quest	ions may b	s of the Area Walk-By near of the results characteristics and the results characteristics of the results are the characteristics.	one or more SWEL items. The of judgments and findings. comments.
1.	Does anchorage of potentially adverse opening cabinets)?	seismic cond		appear to be free of sible without necessarily	Y⊠ N□ U□ N/A□
	Yes, anchorage of potentially adverse			ppears to be free of	
2.	Does anchorage of significant degrade			appear to be free of	Y⊠ N□ U□ N/A□
	Yes, anchorage of significant degrade		the area a	ppears to be free of	
3.	raceways and HVA seismic conditions	.C ducting app (e.g., conditio	pear to be n of suppo	, do the cable/conduit free of potentially adverse orts is adequate and fill le acceptable limits)?	Y⊠ N□ U□ N/A□
				floor, the cable/conduit e free of potentially adverse	
4.				ntially adverse seismic the area (e.g., ceiling tiles	Y⊠ N□ U□ N/A□
	Yes, it appears tha spatial interactions			entially adverse seismic o the area.	
5.	Does it appear that interactions that co			ntially adverse seismic oray in the area?	Y⊠ N□ U□ N/A□
	Yes, it appears that interactions that co			entially adverse seismic oray in the area.	
5.	spatial interactions Does it appear that interactions that co	with other equal to the area is frould cause floot the area is front	ree of poter oding or sp	ntially adverse seismic oray in the area?	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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 3 Area Walk By Chacklist (AWC) AWC 039	I P3 Status: Y⊠ N⊟ U⊟
Area Walk-By Checklist (AWC) AWC-039	
Location: Bldg. FB Floor El. 72'-0" Room, Area ¹	
SWEL Components: SWEL1-046	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations.	
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□
Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.	
<u>Comments</u> (Additional pages may be added as necessary)	
Ceiling light bulb at the southeast comer of the room needs to be replace CR-IP3-2012-03497.	d. This is documented in
Evaluated by: Maggie Farah	Date: <u>10/24/12</u>
Kai Lo C.	10/24/12

Area Walk-By Checklist (AWC) AWC-039 Location: Bldg. FB Floor El. 72'-0" Room, Area¹ SWEL Components: SWEL1-046	ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Area Walk-By Checklist (AWC) AWC-039 Location: Bldg. FB Floor El. 72'-0" Room, Area SWEL Components: SWEL1-046 Photographs	Sheet 3 of 3	
SWEL Components: SWEL1-046 Photographs	Area Wolk By Charklist (AWC) AWC 029	Status: Y⊠ N_ U_
SWEL Components: SWEL1-046 Photographs	Area Walk-by Checklist (AWC)AWC-039	
Photographs	Location: Bldg. <u>FB</u> Floor El. <u>72'-0"</u> Room, Area ¹	
	SWEL Components: SWEL1-046	
Note: no photos attached. Note:	Photographs	
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ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 5 Area Walk-By Checklist (AWC) <u>AWC-040</u>	I P3 Status: Y⊠ N□ U□
Location: Bldg. ET Floor El. 46'-0" Room, Area FAN ROOM	
SWEL Components: SWEL1-047	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-By near one space below each of the following questions may be used to record the results of Additional space is provided at the end of this checklist for documenting other con	judgments and findings.
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□
Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.	
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N□ U□ N/A□
Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.	
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□
Overhead duct is well supported near the south wall. Therefore, based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.	
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□
Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.	

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.

ATTACHMENT 9.7	AREA WA	LK-BY CHECKLIST
Sheet 2 of 5	Status	I P3 :: Y⊠ N□ U□
Area Walk-By Checklist (AWC)AWC-040		
Location: Bldg. <u>ET</u> Floor El. <u>46'-0"</u> Room, Area ¹ <u>FAN ROOM</u>		
SWEL Components: SWEL1-047		
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.		
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.		
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□
Observed two unrestrained ladders on the floor, one by the north wall and the other by the south wall (see attached photos). During a seismic event the ladders may act as missile and strike the fans.		
Observed a piping plug that is resting on the floor near the uncover pipe (see attached photo). During a seismic event the plug may act as a missile and strike the Exhaust Fans. In addition, debris may enter the uncovered piping.		
Observed an unrestrained broom stick on the north wall. During a seismic event the broom stick may act as a missile and strike the fans.		
Observed a wheeled chair in the southeast comer of the room by the door. During a seismic event the chair may dislodge and strike the fans.		
The above items are addressed in CR-IP3-2012-03498.		

ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 3 of 5		IP3 Status: Y⊠ N□ U□
Area Walk-By Checklist (AWC) _	AWC-040	
Location: Bldg. ET Floor El	I. <u>46'-0"</u> Room, Area ¹	FAN ROOM
SWEL Components: SWEL1-0	047	
Have you looked for and found adversely affect the safety func-		
Yes we have looked for and fou could adversely affect the safet		
Comments (Additional pages may be	added as necessary)	
Observed broken glass in the e	•	
		the GAI-Tronics on the east wall by the door.
Flashing along the north wall is	s deteriorated, broken and mi	issing.
The above items are addressed	d in CR-IP3-2012-03498.	
Reference:		
IP3 SWEL1-047		
Evaluated by: Maggie Farah	fara	Date: <u>1024/12</u>
Kai Lo LC.		10/24/12

ATTACHMENT 9.7 Sheet 4 of 5 Area Walk-By Checklist (AWC) ___AWC-040 Location: Bldg. ET ___ Floor El. 46'-0" Room, Area¹ FAN ROOM SWEL Components: SWEL1-047



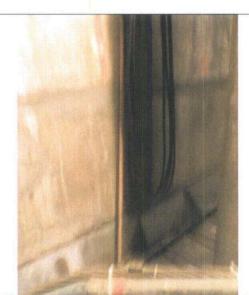
Note: unrestrained ladder by the north wall.



Note: unrestrained ladder by the door at the south comer of the room.



Note: Loose plug and unplugged piping.



Note: unrestrained broom stick

AREA WALK-BY CHECKLIST

Sheet 5 of 5

IP3

Area Walk-By Checklist (AWC) ____AWC-040

Status: Y⊠ N□ U□

Location: Bldg. ET

Floor El. 46'-0"

Room, Area FAN ROOM

SWEL Components:

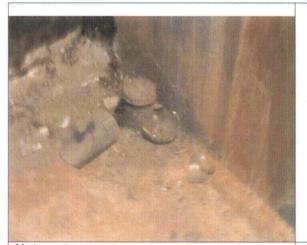
SWEL1-047



Note: Broken flashing



Note: Missing flashing along the wall



Note: Broken glass in the east corner of the room.



Note: Bolts and nuts on top of electrical box for GAI-Tronics.

ATTACHMENT 9.7		<u> </u>			AREA WALK-E	BY CHECKLIST
Sheet 1 of 5				······································		IP3
Area Walk-By Checklis	t (AWC)	AWC-04	<u>1</u>		Status: Y[⊠ N□ U□
Location: Bldg. FSB	Floor El.	41'-0"	Room, Area ¹ SPE	ENT FUEL PIT	PUMP	
SWEL Components:	SWEL2-00	02, 003				
Instructions for Complete	ing Checklis	t				
This checklist may be used space below each of the for Additional space is provide	llowing quest	ions may be	used to record the	results of jud	gments and fir	
 Does anchorage of potentially adverse opening cabinets)?] N	I/A 🗌
Yes, anchorage of potentially adverse			pears to be free of			
Does anchorage of significant degraded		the area ap	pear to be free of	Υ⊠] N□ U□ N	I/A 🗌
Yes, anchorage of a significant degraded		the area app	pears to be free of			
 Based on a visual in raceways and HVA seismic conditions of conditions of cable 	C ducting app (e.g., conditio	pear to be fron	ee of potentially adv s is adequate and f	/erse] N	I/A 🗆
Platform and hatch inspection from the ducting appears to	floor, the cab	le/conduit ra	aceways and HVAC	;		
4. Does it appear that spatial interactions and lighting)?				ic Y⊠ g tiles] N 🗆 U 🗆 N	I/A□
Yes, it appears that spatial interactions				ic		

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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 5 Area Walk-By Checklist (AWC)AWC-041	IP3 Status: Y⊠ N□ U□
Location: Bldg. FSB Floor El. 41'-0" Room, Area SPENT FUE	L PIT PUMP
SWEL Components: SWEL2-002, 003	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions associated with housekeeping practices, storage of portable equipment, and temporary installations.	
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, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.	Y⊠ N□ U□

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 3 of 5 Area Walk-By Checklist (AWC)AWC-041	IP3 Status: Y⊠ N⊟ U⊟
	ea ¹ SPENT FUEL PIT PUMP
SWEL Components: SWEL2-002, 003	
Comments (Additional pages may be added as necessary)	
Observed a drain line that does not reach the floor drain approximately 1 foot away from the floor drain. This is a	
Observed a bare cable that is attached to a conduit and photos).	runs up to a higher elevation (see attached
The following observations are housekeeping: Plastic bottle sitting on a beam (see attached photo), wa light bulbs is out. These items are documented in CR-IP	
References IP3 SWEL2-002 and 2-003	
Evaluated by: Stephen Yuan	Date: 10/2612
Maggie Farah Maggie Farah	10/26/12

AREA WALK-BY CHECKLIST

Sheet 4 of 5

IP3
Status: Y⊠ N□ U□

Area Walk-By Checklist (AWC) ___AWC-041

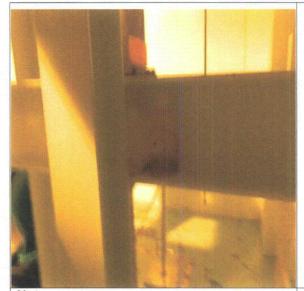
Location: Bldg. FSB

Floor El. <u>41'-0"</u>

Room, Area¹ SPENT FUEL PIT PUMP

SWEL Components:

SWEL2-002, 003



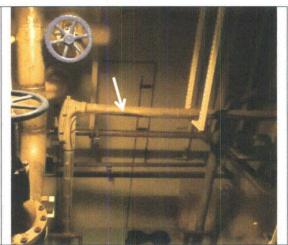
Note: bottle sitting on a beam



Note: waste bad on the floor



Note: waste bag on the floor



Note: bare wire attached to a conduit

ATTACHMENT 9.7		AREA WALK-BY CHECKLIST
Sheet 5 of 5 Area Walk-By Checklist (AWC)AWC-041		IP3 Status: Y⊠ N⊡ U⊡
	Description 1 COENTERED	OIT DUMP
	Room, Area ¹ SPENT FUEL F	PII PUMP
SWEL Components: SWEL2-002, 003		
AIII		
Note: bare wire attached to a conduit	Note:	3 =

ATTACHMENT 9.7	AREA WAL	K-BY CHECKLIST
Sheet 1 of 5	Statue	IP3 Y⊠ N□ U□
Area Walk-By Checklist (AWC)AWC-042	Glalus.	
Location: Bldg. <u>FSB</u> Floor El. <u>55'-0"</u> Room, Area ¹		
SWEL Components: SWEL2-004		
Instructions for Completing Checklist	· ··	
This checklist may be used to document the results of the Area Walk-By near one space below each of the following questions may be used to record the results of Additional space is provided at the end of this checklist for documenting other cor	judgments and	
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[
Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.		
2. Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N□ U□	N/A□
Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.		
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
Yes, based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.		
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□
Fluorescent light bulbs above the heat Spent Fuel Pit Heat Exchanger are not tied to the fixture. During a seismic event, the bulbs may become loose and strike the heat exchanger gages. This is documented in CR-IP3-2012-03497.		

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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 5 Area Walk-By Checklist (AWC) <u>AWC-042</u>	I P3 Status: Y⊠ N⊟ U⊟
Location: Bldg. FSB Floor El. 55'-0" Room, Area ¹	
SWEL Components: SWEL2-004	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
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□
 Unrestrained waste bucket on top of a Boric Acid container east of the heat exchanger (see attached photo). Unrestrained ladders in a ladder rack (see attached photo) An unrestrained heater with wheels and a power supplier device on a wheeled cart north of the heat exchanger (see attached photo). Unrestrained cable and tools on top of the operations equipment cabinet at southwest end of the room (see attached photo). During a seismic event the aforementioned items may act as a missile and strike equipment. This is documented in CR IP3-2012-03497. 	

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 3 of 5 Area Walk-By Checklist (AWC)AWC-042	IP3 Status: Y⊠ N⊟ U⊟
Location: Bldg. <u>FSB</u> Floor El. <u>55'-0"</u> Room, Area ¹	
SWEL Components: SWEL2-004	
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□
Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.	
Comments (Additional pages may be added as necessary) Observed several waste bags on the floor near the Sump Pump No. 312	ivet parth of the heart
exchanger (see attached photo). This is documented in CR-IP3-2012-034	
Reference: SWEL2-004	
Evaluated by: Maggie Farah	Date: <u>10/25/12</u>
Kai Lo (C.	10/25/12

AREA WALK-BY CHECKLIST

Sheet 4 of 5

IP3 Status: Y⊠ N□ U□

Area Walk-By Checklist (AWC) ____AWC-042

Location: Bldg. FSB

Floor El. <u>55'-0"</u>

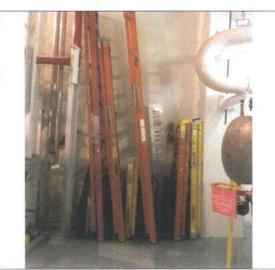
_ Room, Area¹

SWEL Components:

SWEL2-004



Note: Waste bucket on top of a Boric Acid container



Note: Unrestrained ladders in a rack



Note: An unrestrained heater and power supplier device on a wheeled cart



Note: Unrestrained cable and tools on top of the operations equipment cabinet

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 5 of 5 Area Walk-By Checklist (AWC)AWC-042	IP3 Status: Y⊠ N☐ U☐
Location: Bldg. FSB Floor El. 55'-0" Room,	Area ¹
SWEL Components: SWEL2-004	
Note: waste bags on the floor	Note: no photo attached.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 1 of 4	IP3 Status: Y⊠ N⊟ U⊟
Area Walk-By Checklist (AWC)AWC-043	
Location: Bldg. FSB Floor El. 95'-0" Room, Area Location: Bldg.	
SWEL Components: <u>SWEL2-005, 006, 007, 008, 009</u>	
Instructions for Completing Checklist	
This checklist may be used to document the results of the Area Walk-By near one space below each of the following questions may be used to record the results of Additional space is provided at the end of this checklist for documenting other companies.	judgments and findings.
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□
Yes, anchorage of equipment in the area appears to be free of potentially adverse seismic conditions.	
Does anchorage of equipment in the area appear to be free of significant degraded conditions?	Y⊠ N□ U□ N/A□
Yes, anchorage of equipment in the area appears to be free of significant degraded conditions.	
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□
Yes, based on a visual inspection from the floor, the cable/conduit raceways and HVAC ducting appears to be free of potentially adverse seismic conditions.	

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.

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 2 of 4	IP3
Area Walk-By Checklist (AWC)AWC-043	Status: Y⊠ N U □
Location: Bldg. FSB Floor El. 95'-0" Room, Area ¹	
SWEL Components: <u>SWEL2-005, 006, 007, 008, 009</u>	
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□
Yes, it appears that the area is free of potentially adverse seismic spatial interactions with other equipment in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause flooding or spray in the area.	
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□
Yes, it appears that the area is free of potentially adverse seismic interactions that could cause a fire in the area.	
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□
Fuel transfer loading is in process. Observed equipment and tools resting on the platforms. This is judged to be acceptable since the equipment and tools are being used as part of fuel transfer process and will likely to be removed after the fuel is transferred.	

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 3 of 4 Area Walk-By Checklist (AWC)AWC-043_	IP3 Status: Y⊠ N⊟ U⊟
Location: Bldg. FSB Floor El. 95'-0" Room, Area ¹	
SWEL Components: <u>SWEL2-005, 006, 007, 008, 009</u>	
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□
Yes, we have looked for and found no other seismic conditions that could adversely affect the safety functions of the equipment in the area.	
Comments (Additional pages may be added as necessary)	
References: IP3 SWEL2-005, 2-006, 2-007, 2-008, 2-009	
Evaluated by: Maggie Farah	Date: <u>10/25/12</u>
Kai Lo C.	10/25/12

ATTACHMENT 9.7	AREA WALK-BY CHECKLIST
Sheet 4 of 4	IP3
Area Walk-By Checklist (AWC)AWC-043	Status: Y⊠ N□ U□
Alea Walk-by Checklist (AWC)AWC-045	
Location: Bldg. <u>FSB</u> Floor El. <u>95'-0"</u> R	oom, Area ¹
SWEL Components: <u>SWEL2-005, 006, 007, 0</u>	008, 009
Photographs	
	·
Note: no photos attached.	Note: