

26 January 2017

Mr. Eric Dausman General Manager Sutro Tower Inc. 1 La Avanzada Street San Francisco, CA 94131

Project 067199.11 - Condition Assessment of Sutro Tower, 2017 Inspections 2016 Maintenance and Inspection Program

Dear Mr. Dausman:

At your request, Simpson Gumpertz & Heger Inc. (SGH) provided oversight and engineering support for tower condition assessment and repair work performed in 2016. Under agreement with the City of San Francisco (the "Standard Conditions") Sutro Tower performs annual inspections of 1/3 of the tower, consisting of one of the three legs and the horizontal framing on one face, each year. In accordance with the inspection protocol, these inspections are typically rotated such that the entire tower is inspected over a three-year period.

On a five-year schedule, the inspection agreement calls for an in-depth inspection to identify problems which may not be readily detectable with a visual review in the annual inspection, such as evaluation of guy wire tension and inspection of welds of tower leg columns to their base plates. In addition, four years ago, you embarked on a program of temporary removal of enclosing siding on tower levels located within the typical elevations impacted by fog, so that detailed evaluation of corrosion on normally obscured surfaces could be performed. That work was completed in 2015.

In a meeting with the neighborhood liaisons in March 2014, it was agreed that the 2014 inspections would encompass two tower legs and two tower faces. Thus we are now one year ahead of schedule in performing these inspections. Accordingly, the inspections performed in 2016 actually are those originally scheduled for 2017 and include: Leg C, Mast C, the southward facing trusses, the bases of all legs and the attachment of appurtenances to these portions of the Tower. In addition, in response to the failure of a cladding panel below the 6th level of the west leg in June 2016, a thorough inspection was conducted of the attachment of cladding throughout the tower and any missing fasteners were replaced.

SGH provided TCI and Sutro Tower with inspection protocols and a series of standard forms for recording their observations. These forms as well as accompanying photographs are included in TCI's report dated 11 January 2017. As the work progressed, TCI provided us reports of unusual observations such as bent members. We made calculations as necessary to determine if corrective action was required. This year we found that correction of such conditions is not required, though routine maintenance, including removal of corrosion and recoating is recommended

Following the June 2016 cladding panel failure noted above, we directed crews to perform an immediate survey to locate missing cladding fasteners followed by a more thorough survey of the cladding and the support members and their attachments. During this process, we created a map of all anomalous conditions in the cladding including openings and cuts made in past tower modifications. We also retained Rowan Williams Davies & Irwin Inc. (RWDI) to conduct wind tunnel testing and develop recommendations for cladding evaluation and design pressures. This study was recently completed and we are currently performing calculations to determine the adequacy of cladding, supports and attachments, and the need for any upgrades or repairs. In the interim, during their detailed survey of cladding condition, tower repair and maintenance crews repaired obvious conditions of nonconformity including missing fasteners and informal openings. TCI presents a summary of this work in their 9 January 2017 letter report re: Review of Annual Maintenance 977-ft Self Support Tower, San Francisco, California, TCI Project Number 16.082.001.

In addition to the 9 January report, TCI has provided an additional report documenting the results of their 2017 inspections dated 11 January 2017 re: Field Evaluation of Existing 977-Foot Self-Support Tower San Francisco, California, TCI Project Number 16.082.001. In this report, TCI identified several conditions that require further evaluation or repair. These include:

- 1. Two rusted gusset plates between Levels 1 and 2. We recommend that during the 2017 maintenance, crews clean these gussets and provide us measurements of deterioration. We will advise if repair is necessary.
- 2. Three bent horizontal members on tower leg C. We evaluated these and determined that they are adequate.
- 3. Two skin support channels have deep cuts. We are evaluating these as part of the overall skin evaluation project described above.
- 4. The presence of corrosion on fastener nuts and heads. We previously provided the Tower an acceptance criteria for such corrosion. In future maintenance work, crews should "gauge" these corroded areas to determine whether replacement is needed, per the acceptance criteria.

In addition to the above, TCI identified several non-structural conditions as well as the presence of minor levels of corrosion of gussets and plugged drain holes that should be addressed during this year's (2017) maintenance cycle.

We concur with TCI's findings and recommendations and confirm that the reported repair work was appropriately performed.

Sincerely yours,

Ronald O. Hamburger, S.E.

Senior Principal CA License No. 2951

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January 9, 2017

Sutro Tower, Inc. 1 La Avanzada Street San Francisco, CA 94131-1124

Attention: Mr. Eric Dausman

Re: Review of Annual Maintenance 977-ft Self-Support Tower San Francisco, California TCI Project Number 16.082.001

Dear Mr. Dausman,

Tower Consultants Incorporated (TCI) performed a field evaluation of the structural repair and maintenance work performed on the 977-ft self-support tower located in San Francisco, California. Yevgeny Kabatski & Jeff Altmyer, P.E. performed the site observation from July 2016, through August 2016 as part of Sutro Tower's annual inspection.

The purpose of the field observation was to monitor recommended maintenance and repairs as directed by Simpson Gumpertz & Heger Inc. and Sutro Tower Inc.

The maintenance work consisted of the following (note that photos referred to below are representative and do not document all locations where maintenance was performed):

- 1. Address all issues found during the 2016 annual inspection at level 6 and stack C. All loose radome bolts for the side mounted TV antenna on stack C were properly tightened (Photo Nos. 3 and 4). A top skin support horizontal member on leg A was replaced with new stronger member (Photo Nos. 5 and 6).
- 2. Properly secure all loose skin panels to the tower members throughout the tower height. More than one thousand new connection bolts and self-tapping screws were installed on the tower at various locations to secure the existing skin panels to the tower legs and tower faces during the maintenance project (Photo Nos. 11 17). A typical panel was secured to the tower by placing bolts or screws at each corrugation on the top and bottom sides and by adding screws or bolts on the sides of the panel at 30" intervals.
- 3. Install new frames around the openings in skin to provide stable skin connections to the tower. New steel frames were installed around the openings in skin at level 2 and level 3 during the maintenance project (Photo Nos. 7 10).

The maintenance work as inspected appeared to be in compliance with recommendations and in keeping with good industry practice. The inspections and tower work have been performed in accordance

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with the requirements of the ANSI/TIA-222-G standard and all applicable codes. All work was coordinated with Structural Engineer, Ron Hamburger.

We appreciate the opportunity to be of service to Sutro Tower, Inc and we will be available to answer any questions in regards to this letter.

Sincerely,

Yevgeny Kabatski Tower Engineer Tower Consultants Incorporated

Photo Log



Photo No. 1

Photo No. 1 is an overall view of the 977-ft self-supporting tower.



Photo No. 2

Photo No. 2 shows maintenance work performed on leg C.

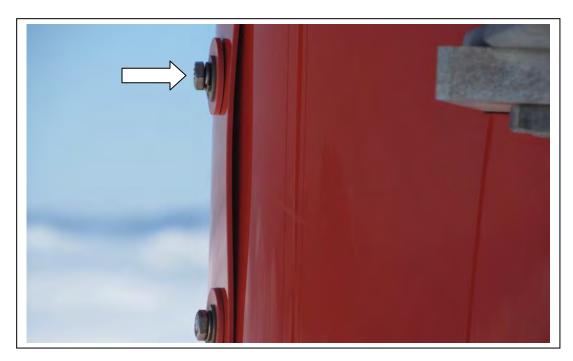


Photo No. 3 (Before)



Photo No. 4 (After)

Photo Nos. 3 and 4 show the side mounted TV antenna on stack C before and after radome bolt tightening.



Photo No. 5 (Before)



Photo No. 6 (After)

Photo Nos. 5 and 6 show the new skin support horizontal just below level 6 on leg A before and after angle replacement.

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Photo No. 7 (Before)

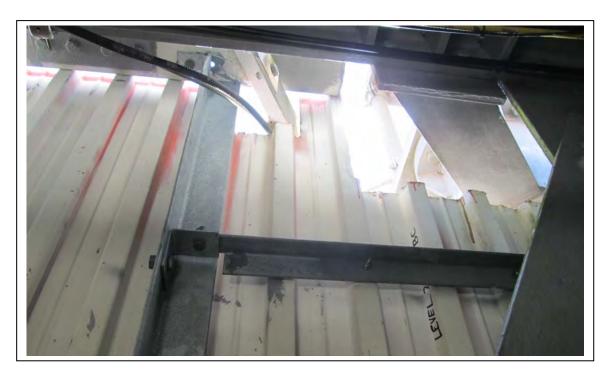


Photo No. 8 (After)

Photo Nos. 7 and 8 show the skin panel reinforcing at level 2 before and after frame installation.



Photo No. 9 (Before)



Photo No. 10 (After)

Photo Nos. 9 and 10 show skin panel reinforcing at level 3 before and after frame installation.



Photo No. 11 (Before)



Photo No. 12 (After)

Photo Nos. 11 and 12 show the skin panel on face BC at level 2 before and after panel reinforcing.





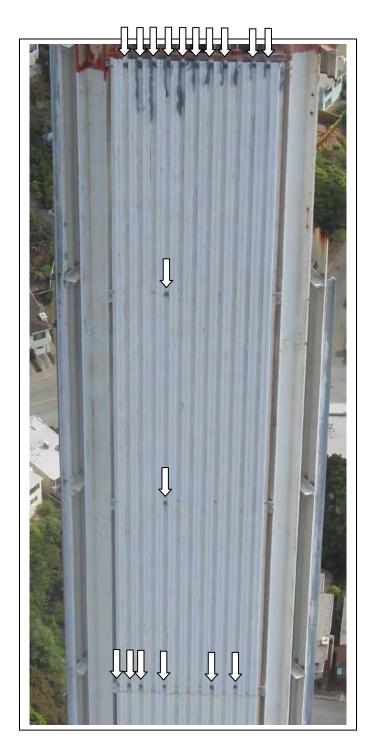


Photo No. 14 (After)

Photo Nos. 13 and 14 show the skin panels before and after panel reinforcing by adding more connection bolts. The arrows show the locations of the new connection bolts.



Photo No. 15 (After)



Photo No. 16 (After)



Photo No. 17 (After)

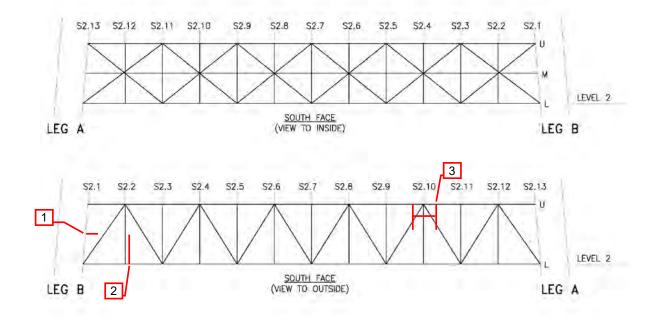
Photo Nos. 15 - 17 show the skin panel reinforcing at various levels after the recent repair work.

APPENDIX A SKIN REINFORCEMENT FRAMING LOCATIONS

Inspection Data Sheet: South Truss (Level 2)

Observ.	Locat	ion/Identifica	tion	Photo		
No.	Chord ¹	Horiz. Location	Item ²	No.	Observation Comments	
1	М	2.1	0	1	SKIN REINFORCEMENT FRAME INSTALLED	
2	L	2.2	0	2	SKIN REINFORCEMENT INSTALLED	
3	U	2.10	0	3	SKIN REINFORCEMENT FRAME INSTALLED	
	Sutro	Tower		Signatur	e: Page:1_ of3	
Se	Sutro Tower San Francisco, CA			File: Date: 1-9-17		
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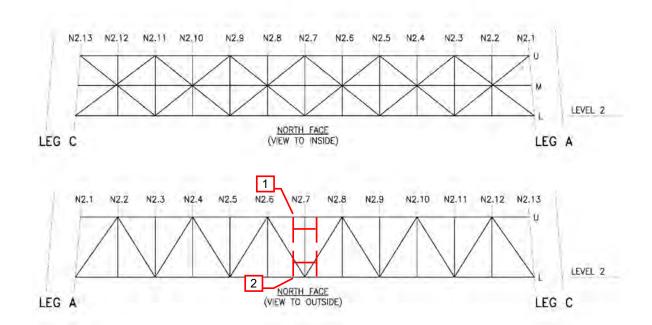
¹ Chord member designation: U = upper, M = middle, and L = lower ² Item designation: L=leg member, D=diagonal, H=horizontal, C=connection, O=others



Inspection Data Sheet: North Truss (Level 2)

Observ.	Locat	ion/Identifica	tion	Photo	
No.	Chord ¹	Horiz. Location	Item ²	No.	Observation Comments
1	U	2.7	0	1	SKIN REINFORCEMENT FRAME INSTALLED
2	L	2.7	0	2	SKIN REINFORCEMENT FRAME INSTALLED
	Sutro	Tower		Signatur	e: Page:2_ of3
Sa	San Francisco, CA			File:	Date: 1-9-17

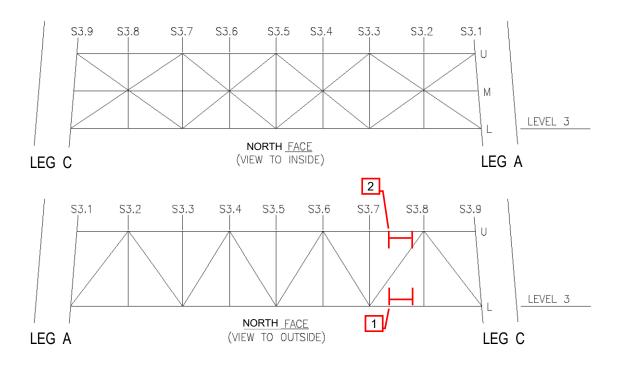
¹ Chord member designation: U = upper, M = middle, and L = lower ² Item designation: L=leg member, D=diagonal, H=horizontal, C=connection, O=others



Inspection Data Sheet: North Truss (Level 3)

Observ.	Locati	ion/Identifica	tion	Photo	
No.	Chord ¹	Horiz. Location	Item ²	No.	Observation Comments
1	L	3.75	0	1	SKIN REINFORCEMENT FRAME INSTALLED
2	J	3.75	0	2	SKIN REINFORCEMENT FRAME INSTALLED
	Sutro Tower			Signatur	e: Page:3 of3
Sa	n Franc	cisco, C	4	File:	Date: 1-9-17

¹ Chord member designation: U = upper, M = middle, and L = lower ² Item designation: L=leg member, D=diagonal, H=horizontal, C=connection, O=others





January 11, 2017

Sutro Tower, Inc.

1 La Avanzada Street
San Francisco, CA 94131-1124

Attention: Mr. Eric Dausman

Re: Field Evaluation of Existing 977-Foot Self-Support Tower San Francisco, California TCI Project Number 16.082.001

Dear Mr. Dausman,

We are pleased to submit our report on the field observation of the above referenced self-support tower.

Authorization / Purpose:

Tower Consultants Incorporated was retained by Sutro Tower Inc. to conduct a field observation of the 977-foot self-support tower. The inspection work has been performed in accordance with the requirements of the ANSI/TIA-222-G standard.

The purpose of the field observation was to visually evaluate the condition and structural integrity of the tower. A routine inspection was performed of leg C, the south face trusses and strands, the bases and stack C above the 6th level.

The tower is located in San Francisco, California. J. Altmyer, P.E. & Y. Kabatski performed the site observations between July 2016 and August 2016.

Field Observations:

The inspection consisted of a tower climb and visual examination of the tower members, connections, antennas, feed lines and mounting hardware. Only those members that could be seen with binoculars and the naked eye were inspected.

Structural Issues:

The structural beams at levels 2, 3 and 4 were recently cleaned and painted and the structural elements of the tower appear to be in good condition with the exception of the following items:

There are areas of the tower where rust has formed on the tower member surfaces. Minor
to medium rust was seen on tower members and gusset plates between levels 1 and 6. We
recommend that these areas be scraped and painted during the next maintenance project.

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- There are two rusted gussets between levels 1 and 2 that will have to be cleaned, evaluated and painted or replaced.
- Many diagonal connections to leg members have drain holes that are plugged causing standing water that will lead to rusted steel. These drain holes should be unplugged and inspected next year to evaluate their condition.
- There are many corroded fasteners throughout the tower height. Inspection and evaluation of the nuts and bolts should be continued in 2016, in accordance with the acceptance criteria specified by Simpson Gumpertz & Heger Inc. If meeting such criteria, they should be painted and then evaluated in the future for additional corrosion. If the nuts or bolts do not meet the acceptance criteria then they should be replaced. Many bolts have been replaced during earlier maintenance projects. Regarding any not painted at time of installation, we recommend painting these bolts to extend the life of the fasteners. There were short bolts seen on level 5 that should be monitored for eventual replacement.
- There are three bent horizontals on the tower in leg C; one between levels 2 and 3, one between levels 4 and 5 and one between levels 5 and 6. These bent horizontal members should be monitored during subsequent inspections for any deformation.
- Two skin support channels have deep cuts and they should be evaluated for adequacy and replaced as necessary. One skin support channel at level 2 had improper holes and two skin support angles had no edge distance for the connection bolt. Those skin support members should be checked for adequacy and replaced as needed.
- There is one loose diagonal double angle stitch bolt between levels 4 and 5 and one loose horizontal double angle stitch bolt between levels 3 and 4. These stitch bolts should be properly tightened during the next maintenance project.

Most of the maintenance work performed in 2016 involved fixing issues associated with the skin panels. The field crew will pick up the remaining work next year during the tower's regular summer maintenance period as directed by and in accordance with recommendations of Simpson, Gumpertz & Heger Inc. There are some beam and skin support connection bolts that are loose or missing at various locations. These beam and skin support connection bolts should be repaired or replaced during the maintenance work performed in 2017.

The strands and guy wires are in good condition; however, minor rust was observed on the guy wire hardware at various levels. A small cotter pin is missing at the leg A base that should be replaced. Some high frequency dampers on the guy strands have broken safety cables that should be repaired.

The tower bases are in good condition with the exception of minor rust on the base steel. The exposed surfaces of the concrete foundation at the tower base are in good condition; however, cracks were seen in the ceiling and floor of the building surrounding the leg C base. This concrete damage should be evaluated by the engineer of record and repaired in accordance with such engineer's recommendation. The tower base is properly grounded; however, some grounding strap bolts are severely rusted and should be replaced.

For detailed information see the attached inspection data sheets and photo logs.

Non-structural Issues:

The climbing facilities and platforms were secure and appear to be in good condition. The following items were noted:

- A grating bolt is loose between levels 5 and 6.
- A catwalk handrail is missing a bolt on level 3.
- There is one bent handrail between level 4 and 5 and one bent handrail at level 6.
- There is a rusted handrail cable and cable hardware at level 5. The safety cable at level 3 has rusted hardware. Rust was observed on safety cable rail hardware and safety cable at level 6. Rusted hardware was seen on the safety cable rail between levels 5 and 6.
- A handrail cable is missing a U-bolt on level 5.

The tower lighting system appears to be in good condition with some minor exceptions. All of the lighting levels are operational and synchronized. The following items were noted:

- The lighting conduits, junction boxes and conduit hardware are typically rusted throughout the tower height.
- Four junction boxes are missing screws and there is one electrical box between levels 2 and 3 that is missing a cover. Two junction boxes are damaged between levels 2 and 3 and a cable is not properly attached.
- Some conduit connectors are broken.
- There is a damaged electrical cable for a junction box between levels 3 and 4.
- There are broken lights in leg C.

We understand that Sutro Tower Inc. applied last year to the Federal Aviation Administration for approval by such agency to replace the existing lighting system on Sutro Tower. The above referenced items will be satisfactorily addressed at the time any such new system is installed. No urgent or additional maintenance is required in the interim.

The antennas, transmission lines and associated mounting hardware appear to be in good condition with the exception of the following items:

- The rigid line spring hangers have rusted hardware.
- Many bolts are short for two 6" rigid feed lines between levels 5 and 6.
- One rigid line is not supported properly at level 6.
- Some feed lines are loose and have broken supports.
- Three feed lines have damaged jackets; one at level 5, one at level 6 and one above level 6.
- There is a broken support for a conduit between levels 5 and 6 and a conduit is loose between levels 4 and 5.

• Some antenna mounts have rusted hardware. An antenna mount at level 2 has a loose bolt. Another antenna mount has a loose bolt between levels 2 and 3.

For detailed information see the attached inspection data sheets and photo logs.

All non-structural maintenance work has been referred to Sutro personnel.

Should you have any questions or wish to discuss any aspect of this report, please do not hesitate to contact the undersigned.

Sincerely,

Jeff Altmyer, P.E. Tower Engineer Tower Consultants Incorporated

Leg C South Face Inspection Summary – Year 2017

Description of Inspection:

- Routine inspection of Leg C
- Routine inspection of horizontal levels of South Face
- Routine inspection of strands on South Face
- Routine inspection of strand anchors on Leg C
- Routine inspection of base all legs

Special or In-Depth Inspections: None

Note that a special inspection, as such term is defined in the Tower Standard Conditions recorded against the property on which the tower is located, reviewing work recommended during TCI's 2016 Annual inspection, is the subject of a separate report.

Summary of Results:

The tower is in good condition with the exception of the following: Rusted fasteners, rusted members and some rusted gussets. There are leg gussets that have drain holes that are plugged which retains water. Three horizontals are bent. There are four short bolts on level five and some skin support bolts are loose, short or are missing. Two skin support channels had deep cuts. There are two loose double angle stitch bolts. There is minor rust on the guy wire hardware. A small cotter pin is missing on one guy strand. Two handrails are bent. A grating bolt is loose. A catwalk handrail is missing a bolt. Another handrail cable is missing a U-bolt. Handrail cables are rusted and there is rusted hardware. Conduit and conduit hardware and junction boxes show minor rust. Four junction boxes have missing screws and two are damaged. There are loose, damaged and auxiliary feed lines and conduits. There is rusted antenna mount hardware and feedline hardware.

Summary of Recommendations: See report text.

1-11-17

Checklist:

Date:

•	Has a severe event occurred since the previous inspection?	Yes	(No)
•	Have action items and recommendations from previous inspin the scope of work?	ections beer	า addressed No
•	Has the inspection log for future years been revised to accou findings of this inspection?	nt for scope Yes	of work and No
Signature			

Observ.	Locat	ion/Identifica	tion	Photo	Oh a a markia m Cama		2ND LEVEL 2 7
No.	Column	Elevation	Item ¹	No.	Observation Com	iments	8 2 5 ±VEL 1.33 15
1	Y-FACE	2	С	1	RF(4)		12 LEVEL 1.31
2	Y-FACE	1.33	С	2	RF(1), SKIN SUPPORT AND	GLE BOLT	13 LEVEL 1.29
3	Z-FACE	1.33	С	3	RF(2), SKIN SUPPORT BOLTS AND	17 16 LEVEL 1.27	
4	Z-FACE	1.33	С	4	RF(1), HORIZONTAL BOLT		LEVEL 1.25
5	Y-FACE	1.33	С	5	RUSTED DIAGONAL GUSS	ET	LEVEL 1.23
6	X-FACE	1.33	С	6	RF(1), DIAGONAL BOLT		LEVEL 1.21 LEVEL 1.17 LEVEL 1.17 LEVEL 1.115 LEVEL 1.115 LEVEL 1.111
7	Z-FACE	1.33	С	7	RUST ON TWO GUSSETS	RUST ON TWO GUSSETS	
8	X-FACE	1.33	С	8	RUST ON LEG AND GUSSET		LEVEL 1.17
9	X-FACE	1.31	L	9	RUST ON LEG		10 ARE B
10	Z-FACE	1.31	С	10	ONE LOOSE BEAM CONNE	ONE LOOSE BEAM CONNECTION BOLT	
11	Z-FACE	1.31	С	11	RF(1), DIAGONAL BOLT AND	RUST ON GUSSET	S NO
12	C2	1.31	С	12	RF(3), LEG BOLTS		LEVEL 1.11
13	Y-FACE	1.31	L	13	RUST ON LEG		1 LEVEL 1.9
14	C1	1.31	С	14	RF(4), LEG BOLTS		LEVEL 1.7
15	C3	1.31	С	15	RF(3), LEG BOLTS		LEVEL 1.5
16	Z-FACE	1.29	С	16	TWO BEAM CONNECTION BO	OLTS ARE LOOSE	LEVEL 1.3
17	Y-FACE	1.29	С	17	RF(1), SKIN SUPPORT ANGLE		LEVEL 1.1
	Sutro Tower			Signatur	re: Page:1 of8		LEVEL 1
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Observ.	Locati	ion/Identifica	tion	Photo		2ND LEVEL		
No.	Column	Elevation	Item ¹	No.	Observation Comments		LEVEL 1.33	
18	Y-FACE	1.29	С	18	RUST ON GUSSET		18 LEVEL 1.31	
19	C2	1.28	L	19	RUST ON LEG		25 24 19 LEVEL 1.29	
20	Z-FACE	1.27	0	20	CONDUIT HAS RUSTED HARDWARE AND J HAS BROKEN CONNECTORS	JUNCTION BOX	22 20 LEVEL 1.27 28	
21	Z-FACE	1.27	С	21	RF(1), HORIZONTAL BOLT		29 LEVEL 1.25	
22	Y-FACE	1.27	С	22	RF(1), DIAGONAL BOLT		33 31 15/5 123	
23	Y-FACE	1.27	С	23	RF(2), SKIN SUPPORT ANGLE B	OLT	134 LEVEL 1.21	
24	Y-FACE	1.28	С	24	RUST ON DIAGONAL GUSSET		LEVEL 1.19	
25	X-FACE	1.28	C	25	RUST ON DIAGONAL GUSSET		LEVEL 1.17	
26	X-FACE	1.27	0	26	TWO SCREWS ARE MISSING FOR JUNCTION BO	OX CONDUIT	134 LEVEL 1.21 LEVEL 1.19 LEVEL 1.17 LEVEL 1.15 LEVEL 1.11 LEVEL 1.11	
27	X-FACE	1.27	С	27	RF(1), DIAGONAL BOLT		WOOHS LEVEL 1.13	
28	Z-FACE	1.26	С	28	RUST ON DIAGONAL GUSSET		SNOIS	
29	Y-FACE	1.25	С	29	RF(2), SKIN SUPPORT ANGLE B	OLTS	• K K K	
30	C2	1.25	С	30	RF(5), LEG BOLTS		LEVEL 1.9	
31	Y-FACE	1.24	С	31	RF(1), DIAGONAL BOLT AND RUST	ON GUSSET	LEVEL 1.7	
32	C1	1.25	С	32	RF(5), LEG BOLTS		LEVEL 1.5	
33	Y-FACE	1.25	С	33	RF(2), SKIN SUPPORT BOLTS AND BO	LT IS LOOSE	10 LEVEL 1.3	
34	Y-FACE	1.23	С	34	RF(1), DIAGONAL BOLT & RF(1), SKIN SUPPORT ANGLE BOLT		LEVEL 1.1	
	Sutro Tower			Signatur	Page:2 of8		LEVEL 1	
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Observ.	Locat	ion/Identifica	tion	Photo	Ob		2ND LEVEL 2
No.	Column	Elevation	Item ¹	No.	Observation Com	iments	LEVEL 1.33
35	Z-FACE	1.23	С	35	RUST ON HORIZONTAL GI	JSSET	LEVEL 1.31
36	Y-FACE	1.23	С	36	MINOR RUST ON HORIZONTAL ANI	LEVEL 1.29	
37	Z-FACE	1.23	С	37	TWO BOLTS FOR BEAM ARE MISSING I	NUTS (BOLTS ARE SHORT)	10 10 10 10 10 10 10 10 10 10 10 10 10 1
38	Z-FACE	1.23	С	38	RUST ON HORIZONTAL AND DIA	AGONAL GUSSETS	35 42 36 38
39	Z-FACE	1.22	С	39	RF(2), DIAGONAL BOLTS		LEVEL 1.23
40	Z-FACE	1.21	С	40	RF(1), SKIN SUPPORT AND	GLE BOLT	
41	Z-FACE	1.19 – 1.25	С	41	BEAM CONNECTION BOLT	9 LEVEL 1.19	
42	C2	1.23	С	42	TWO CONNECTION BOLTS ARE LOOSE		49 45 46 10 10 10 10 10 10 10 10 10 10 10 10 10 1
43	Y-FACE	1.21	С	43	BEAM CONNECTION BOLTS ARE LOOSE		I I I I I I I I I I I I I I I I I I I
44	Z-FACE	1.21	С	44	RUST ON LEG AND DIAGONAL AND HO	RIZONTAL GUSSETS	SHOW
45	Z-FACE & Y-FACE	1.19	С	45	NUTS ARE MISSING FOR E	BEAM BOLTS	SHOUSHAMO
46	Z-FACE	1.19	С	46	RUST ON ALL THREE GUS	SSETS	.0-1.0g
47	Y-FACE	1.19	С	47	RF(1), DIAGONAL BOLT		LEVEL 1.7
48	Y-FACE	1.19	С	48	RUST ON DIAGONAL AND HORI	ZONTAL GUSSETS	LEVEL 1.5
49	Y-FACE	1.19	С	49	RF(2), SKIN SUPPORT AND	GLE BOLTS	
50	C2	1.19	С	50	RF(5), LEG BOLTS		10 10 10 10
51	Y-FACE	1.18	С	51	RUST ON GUSSET		LEVEL 1.1
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Observ.	Locat	ion/Identifica	tion	Photo	Observation Comm		2ND LEVEL 2
No.	Column	Elevation	Item ¹	No.	Observation Comm	nents	LEVEL 1.33
52	Y-FACE	1.19	С	52	RUST ON HORIZONTAL GUS	SSET	LEVEL 1.31
53	Y-FACE	1.19	С	53	MISSING NUTS FOR BEAM		LEVEL 1.29
54	Z-FACE	1.19	С	54	RUST ON SKIN SUPPORT G	to 1.27	
55	Y-FACE	1.17	С	55	ALL BOLTS FOR OUTSIDE BEAMS	S HAVE NO NUTS	LEVEL 1.25
56	C2	1.18	С	56	RUST ON GUSSETS AND RU	UST ON LEG	LEVEL 1.23
57	Y-FACE	1.17	С	57	SEVERE RUST ON GUSSET	•	SUPPLY 1.23
58	Y-FACE	1.17	С	58	RF(1), SKIN SUPPORT ANG	53 52 54 56 LEVEL 1.19	
59	Z-FACE	1.17	С	59	MINOR RUST ON SKIN SUPPORT ANGLE GUSSET		55 68 59 LEVEL 1.1 60
60	Z-FACE	1.17	С	60	RUST ON GUSSET		智 9 61 61 62
61	Y-FACE	1.17	С	61	RUST ON GUSSET		65
62	Z-FACE	1.17	С	62	RUST ON DIAGONAL GUSS	ET	64 LEVEL 1.113
63	X-FACE	1.16	L	63	RUST ON LEG		LEVEL 1.11
64	Y-FACE	1.16	С	64	RF(1), DIAGONAL MEMBER		0-1-00 LEVEL 1.9
65	C1	1.16	L	65	RUST ON LEG		LEVEL 1.7
66	Y-FACE	1.17	С	66	RF(1), DIAGONAL BOLT		LEVEL 1.5
67	Y-FACE	1.16	С	67	RF(1), DIAGONAL BOLT		LEVEL 1.3
68	Y-FACE	1.17	С	68	BEAM BOLTS ARE SHORT WITH NO NUTS		LEVEL 1.1
	Sutro Tower		Signatur	re: Page:4 of8		LEVEL 1	
Sa	San Francisco, CA		File:	Date: 1-11-17		⑤ ⑥ ⑥ ⑥ ⑥ ⑥ X Y Z LEG - C)	

Observ.	Locat	ion/Identifica	tion	Photo	Observation Com-		2ND LEVEL 2	
No.	Column	Elevation	Item ¹	No.	Observation Com	iments	LEVEL 1.33	
69	Y-FACE	1.15	С	69	RF(1), SKIN SUPPORT AND	GLE BOLT		
70	Z-FACE	1.15	С	70	BEAM BOLTS HAVE NO NU	JTS	LEVEL 1.29	
71	Y-FACE	1.15	С	71	RUST ON ALL GUSSETS	10 LEVEL 1.27		
72	Y-FACE	1.15	0	72	RIGID LINE SUPPORT BRACK	KETS ARE RUSTED	LEVEL 1.25	
73	Y-FACE	1.15	С	73	RF(1), DIAGONAL BOLT		LEVEL 1.23	
74	Y-FACE	1.14	С	74	RUST ON GUSSET		LEVEL 1.23 LEVEL 1.21 LEVEL 1.19 70 170 180 180 180 180 180 180	
75	X-FACE	1.15	С	75	RF(1), DIAGONAL BOLT	RF(1), DIAGONAL BOLT		
76	C1	1.15	L	76	RUST ON LEG		70 LEVEL 1.17	
77	Z-FACE	1.15	С	77	RF(1), DIAGONAL BOLT AND RUST ON GUSSET		72 69 77 73 71 EVEL 1.15	
78	Z-FACE	1.13	С	78	BEAM BOLTS HAVE NO NU	BEAM BOLTS HAVE NO NUTS		
79	X-FACE	1.13	С	79	RUSTED HORIZONTAL GU	SSET	75 74 85 LEVEL 1.13 82 81 78	
80	X-FACE	1.13	С	80	RF(1), DIAGONAL BOLT		83 LEVEL 1.11	
81	C2	1.13	С	81	RF(5), LEG BOLTS		LEVEL 1.9	
82	Z-FACE	1.13	L	82	RUST ON LEG		LEVEL 1.7	
83	Y-FACE	1.12	С	83	RUST ON GUSSET		LEVEL 1.5	
84	C3	1.13	С	84	RF(1), LEG BOLTS		LEVEL 1.3	
85	C3	1.13	L	85	RUST ON LEG		LEVEL 1.1	
	Sutro Tower		Signatur	re: Page:5 of8		LEVEL 1		
San Francisco, CA		File:	Date: 1-11-17		⑥ ② ◎ ③ ⑤ X Y Z LEG - Ĉ)			

Observ.	Locati	ion/Identifica	tion	Photo	Oh samustian Cama		2ND LEVEL LEVEL 2	
No.	Column	Elevation	Item ¹	No.	Observation Com	iments	LEVEL 1.33	
86	Y-FACE	1.13	С	86	RUST ON HORIZONTAL GU	JSSET	LEVEL 1.31	
87	Y-FACE	1.14	С	87	RF(1), DIAGONAL BOLT	RF(1), DIAGONAL BOLT		
88	Y-FACE	1.13	С	88	RF(1), SKIN SUPPORT AND	50 10 10 10 10 10 10 10 10 10 10 10 10 10		
89	Z-FACE	1.13	L	89	RUST ON LEG		LEVEL 1.25	
90	Z-FACE	1.15	С	90	RF(1), DIAGONAL BOLT		S3 LEVEL 1.23	
91	Y-FACE	1.15	С	91	RUST ON HORIZONTAL GL	JSSET PLATE	LEVEL 1.23 LEVEL 1.21 LEVEL 1.19 LEVEL 1.17	
92	Y-FACE	1.14	С	92	RF(1), DIAGONAL BOLT	RF(1), DIAGONAL BOLT		
93	Y-FACE	1.14	С	93	MINOR RUST ON TWO DIAGONAL GUSSETS		94 91 LEVEL 1.17	
94	X-FACE	1.15	С	94	RF(1), DIAGONAL BOLT		93 92 LEVEL 1.15	
95	Z-FACE	1.13	L	95	RUST ON LEG	RUST ON LEG		
96	C3	1.13	L	96	RUST ON LEG		98 96 88 95 100 LEVEL 1.11	
97	Y-FACE	1.13	С	97	RUST ON DIAGONAL GUSS	SET	1021/K Q7/K K	
98	X-FACE	1.13	С	98	RUST ON HORIZONTAL GU	JSSET	102 V LEVEL 1.9	
99	X-FACE	1.13	С	99	RF(1), DIAGONAL BOLT		LEVEL 1.7	
100	Y-FACE	1.13	С	100	SEVERE RUST ON HORIZO	ONTAL GUSSET	LEVEL 1.5	
101	C2	1.13	С	101	RF(4), LEG BOLTS		10 LEVEL 1.3	
102	C2	1.12	С	102	RUST ON LEG AND GUSSET		LEVEL 1.1	
	Sutro Tower			Signatur	re: Page:6 of8		LEVEL 1	
Sa	San Francisco, CA			File:	Date: 1-11-17		⑥ ፡ ② · ③ · ③ · ⑥ X Y Z LEG − (Ĉ)	

Observ.	Locat	ion/Identifica	tion	Photo	Ohaamiatian Cana		2ND LEVEL	LEVEL 2		
No.	Column	Elevation	Item ¹	No.	Observation Com	iments		LEVEL 1.33		
103	C3	1.13	L	103	RUST ON LEG			LEVEL 1.31		
104	C3	1.13	С	104	RF(1), LEG BOLT	RF(1), LEG BOLT				
105	Y-FACE	1.11	С	105	RUST ON HORIZONTAL GU	30,-0,	LEVEL 1.27			
106	Y-FACE	1.11	С	106	RF(3), DIAGONAL BOLTS AND R	UST ON GUSSET		LEVEL 1.25		
107	Y-FACE	1.10	С	107	RF(1), DIAGONAL BOLT			LEVEL 1.23		
108	X-FACE	1.9	С	108	GUSSET HAS DRAIN HOLE P	LUGGED BY PAINT	N SPUCES 30'-0"	LEVEL 1.21		
109	C1	1.9	L	109	RUST ON LEG		СОГПИ	LEVEL 1.19		
110	Z-FACE	1.9	С	110	RF(1), SKIN SUPPORT AND	GLE BOLT	BETWEEN	LEVEL 1.17		
111	C3	1.9	L	111	RUST ON LEG		ARE O.	LEVEL 1.15		
112	Y-FACE	1.9	С	112	RF(1), HORIZONTAL BOLT AND RUST ON GUSSET		SHOWN 30'	103		
113	X-FACE	1.7	С	113	WATER PONDING IN GUSS	SET	105	104 LEVEL 1.13		
114	Y-FACE	1.5	С	114	RF(2), SKIN SUPPORT AND	GLE	108	106 110		
115	Z-FACE	1.7	С	115	RUST ON GUSSET		109 112	111 115 1.9		
116	Z-FACE	1.4	С	116	ONE BEAM CONNECTION	BOLT IS MISSING	113			
117	Z-FACE	1.4	С	117	RF(1), SKIN SUPPORT BOL	_T	113	LEVEL 1.5		
118	X-FACE	1.4	0	118	JUNCTION BOX IS MISSING	G TWO SCREWS	35'-0"	119 LEVEL 1.3		
119	Z-FACE	1.4	L	119	RUST ON LEG			LEVEL 1.1		
	Sutro Tower			Signatur	re: Page:7 of8		LEVEL 1			
Sa	San Francisco, CA			File:	Date: 1-11-17		© © E X LEG	9		

Observ.	Locat	ion/Identifica	tion	Photo	Observation Community	2ND LEVEL	LEVEL 2
No.	Column	Elevation	Item ¹	No.	Observation Comments		LEVEL 1.33
120	Z-FACE	1.3	С	120	SHORT BEAM CONNECTION BOLTS		LEVEL 1.31
121	Z-FACE	1.3	Н	121	RUST ON SKIN SUPPORT ANGLE		LEVEL 1.29
122	Y-FACE	1.3	С	122	RUST ON HORIZONTAL GUSSET	30,-0"	LEVEL 1.27
							LEVEL 1.25
						SS	LEVEL 1.23
						30'-0"	LEVEL 1.21
						COLUM	LEVEL 1.19
						DIMENSIONS SHOWN ARE BETWEEN COLUMN SPUCES 30'-0" 30'-0"	LEVEL 1.17
						30'-0"	LEVEL 1.15
						MOHS S	LEVEL 1.13
						IENSION	LEVEL 1.11
						30'-0"	LEVEL 1.9
						-	LEVEL 1.7
							120 LEVEL 1.5
						- 122 - 122	121 LEVEL 1.3
	Sutro Tower		Cianatur	Dogo: 9 of 9		LEVEL 1.1	
				Signatur		G) (G) (X	© © © © Y Z
Sa	San Francisco, CA		File:	Date: 1-11-17	X	Y Z G -(C)	

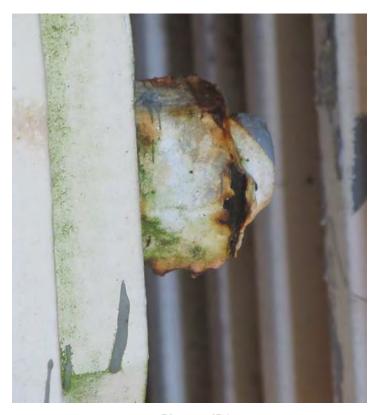


Photo 1.JPG 8/9/2016



Photo 2.JPG 8/9/2016



Photo 3.JPG 8/9/2016



Photo 4.JPG 8/9/2016







Photo 6.JPG 8/9/2016



Photo 7.JPG 8/9/2016



Photo 8.JPG 8/9/2016



Photo 9.JPG 8/9/2016

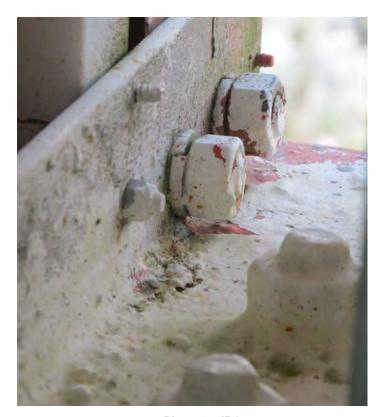


Photo 10.JPG 8/9/2016



Photo 11.JPG 8/9/2016



Photo 12.JPG 8/9/2016



Photo 13.JPG 8/9/2016



Photo 14.JPG 8/9/2016



Photo 15.JPG 8/9/2016



Photo 16.JPG 8/9/2016

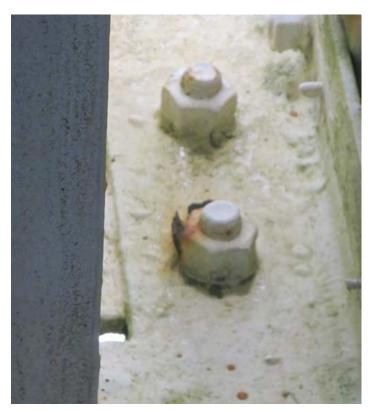


Photo 17.JPG 8/9/2016



Photo 18.JPG 8/9/2016

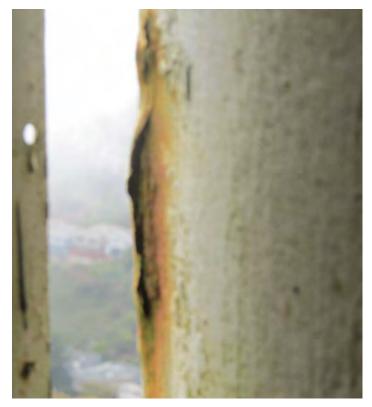


Photo 19.JPG 8/9/2016



Photo 20.JPG 8/9/2016



Photo 21.JPG 8/9/2016



Photo 22.JPG 8/9/2016

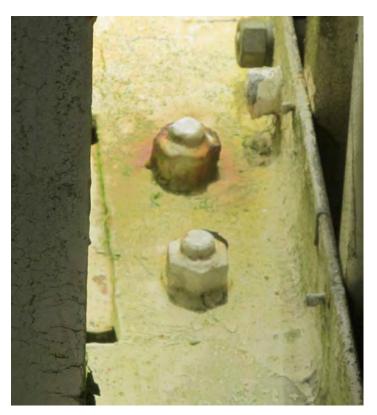


Photo 23.JPG 8/9/2016



Photo 24.JPG 8/9/2016

Leg C (Level 1 to Level 2)



Photo 25.JPG 8/9/2016



Photo 26.JPG 8/9/2016

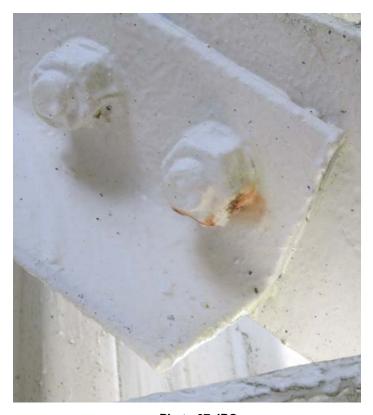


Photo 27.JPG 8/9/2016



Photo 28.JPG 8/9/2016



Photo 29.JPG 8/9/2016



Photo 30.JPG 8/9/2016



Photo 31.JPG 8/9/2016



Photo 32.JPG 8/9/2016

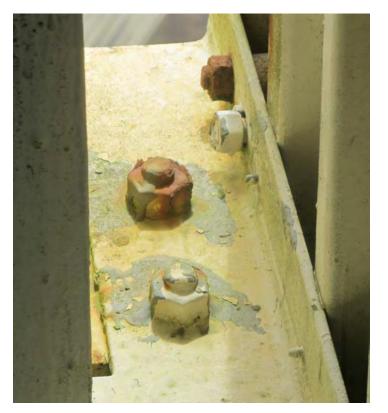


Photo 33.JPG 8/9/2016



Photo 34.JPG 8/9/2016



Photo 35.JPG 8/9/2016



Photo 36.JPG 8/9/2016



Photo 37.JPG 8/9/2016



Photo 38.JPG 8/9/2016



Photo 39.JPG 8/9/2016



Photo 40.JPG 8/9/2016



Photo 41.JPG 8/9/2016



Photo 42.JPG 8/9/2016

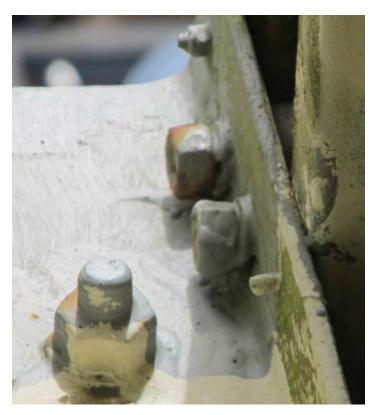


Photo 43.JPG 8/8/2016



Photo 44.JPG 8/8/2016



Photo 45.JPG 8/9/2016



Photo 46.JPG 8/9/2016

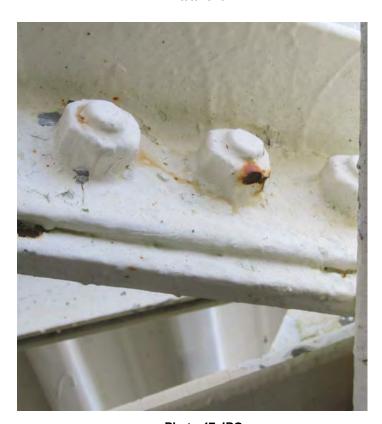


Photo 47.JPG 8/9/2016



Photo 48.JPG 8/9/2016



Photo 49.JPG 8/9/2016



Photo 50.JPG 8/9/2016



Photo 51.JPG 8/9/2016



Photo 52.JPG 8/9/2016



Photo 53.JPG 8/9/2016

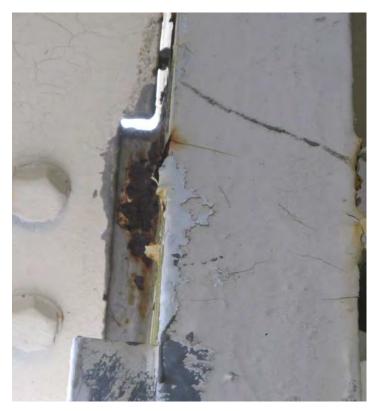


Photo 54.JPG 8/9/2016



Photo 55.JPG 8/9/2016



Photo 56.JPG 8/9/2016



Photo 57.JPG 8/9/2016



Photo 58.JPG 8/9/2016



Photo 59.JPG 8/9/2016



Photo 60.JPG 8/9/2016



Photo 61.JPG 8/9/2016



Photo 62.JPG 8/9/2016

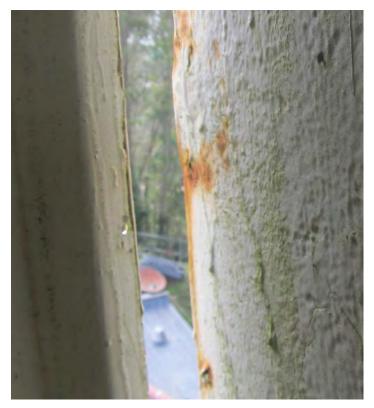


Photo 63.JPG 8/9/2016



Photo 64.JPG 8/9/2016



Photo 65.JPG 8/9/2016



Photo 66.JPG 8/9/2016



Photo 67.JPG 8/9/2016



Photo 68.JPG 8/9/2016



Photo 69.JPG 8/9/2016

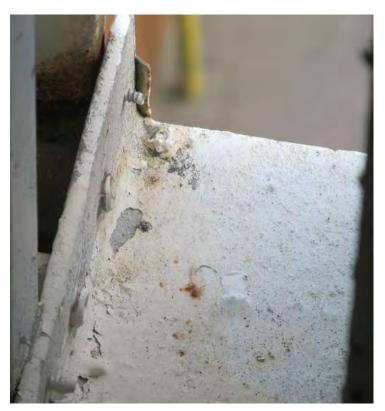


Photo 70.JPG 8/9/2016



Photo 71.JPG 8/9/2016



Photo 72.JPG 8/9/2016



Photo 73.JPG 8/9/2016



Photo 74.JPG 8/9/2016



Photo 75.JPG 8/9/2016



Photo 76.JPG 8/9/2016



Photo 77.JPG 8/9/2016



Photo 78.JPG 8/9/2016



Photo 79.JPG 8/9/2016



Photo 80.JPG 8/9/2016



Photo 81.JPG 8/9/2016



Photo 82.JPG 8/9/2016



Photo 83.JPG 8/9/2016

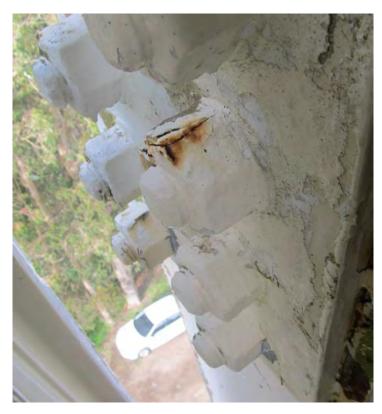


Photo 84.JPG 8/9/2016

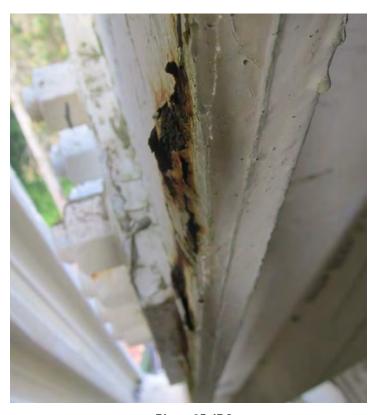


Photo 85.JPG 8/9/2016



Photo 86.JPG 8/9/2016



Photo 87.JPG 8/10/2016



Photo 88.JPG 8/10/2016



Photo 89.JPG 8/10/2016



Photo 90.JPG 8/10/2016



Photo 91.JPG 8/10/2016



Photo 92.JPG 8/10/2016



Photo 93.JPG 8/10/2016



Photo 94.JPG 8/10/2016



Photo 95.JPG 8/10/2016

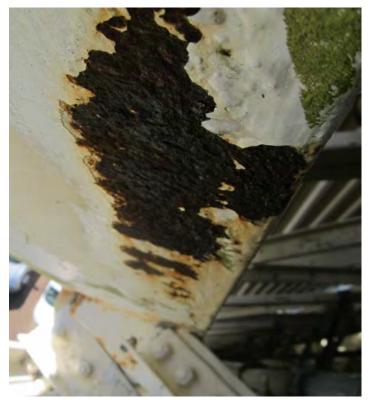


Photo 96.JPG 8/10/2016



Photo 97.JPG 8/10/2016



Photo 98.JPG 8/10/2016



Photo 99.JPG 8/10/2016



Photo 100.JPG 8/10/2016



Photo 101.JPG 8/10/2016



Photo 102.JPG 8/10/2016



Photo 103.JPG 8/10/2016



Photo 104.JPG 8/10/2016



Photo 105.JPG 8/10/2016



Photo 106.JPG 8/10/2016

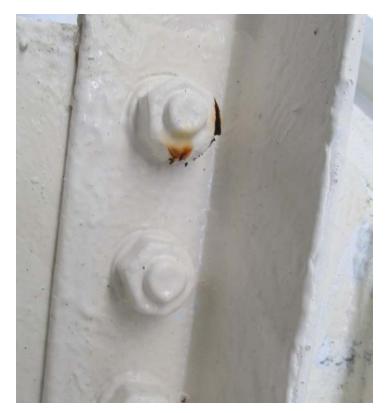


Photo 107.JPG 8/10/2016



Photo 108.JPG 8/10/2016



Photo 109.JPG 8/10/2016





Photo 111.JPG 8/10/2016



Photo 112.JPG 8/10/2016



Photo 113.JPG 8/10/2016





Photo 115.JPG 8/10/2016



Photo 116.JPG 8/10/2016



Photo 117.JPG 8/10/2016



Photo 118.JPG 8/10/2016



Photo 119.JPG 8/10/2016

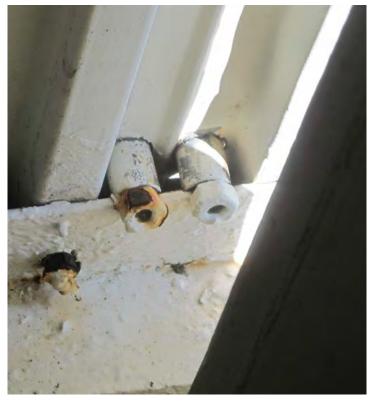


Photo 120.JPG 8/10/2016





Photo 121.JPG 8/10/2016

Photo 122.JPG 8/10/2016

Observ.	Locat	ion/Identifica	tion	Photo	Observation Comments	SRD LEVEL 5 3 LEVEL 3
No.	Column	Elevation	Item ¹	No.	Observation Comments	7 4 9 LEVEL 2.37
1	C1	2.35	С	1	RF(9), LEG BOLTS	16 10 12 8 1 1 15 15 15 15 15 15 15 15 15 15 15 15
2	Z-FACE	3	0	2	FOUR AUXILIARY FEEDLINES	16 13 15 EVEL 2.33
3	C3	2.38	L	3	RUST ON LEG	17/ (EVEL 2.3)
4	C2	2.37	С	4	RF(12)	LEVEL 2.29
5	Y-FACE	2.38	С	5	RUST ON DIAGONAL GUSSET PLATE	19 LEVEL 2.27
6	X-FACE	2.37	С	6	BOTH HORIZONTAL GUSSETS ARE RUSTED	SS 155
7	X-FACE	2.37	С	7	RF(1), DIAGONAL BOLT	LEVEL 2.25 LEVEL 2.23 LEVEL 2.21 LEVEL 2.21 LEVEL 2.17 LEVEL 2.17
8	Y-FACE	2.37	С	8	RUSTED DIAGONAL GUSSET	18 EVG. 2.21
9	C3	2.37	L	9	RUST ON TOWER LEG	₩ LEVEL 2.19
10	X-FACE	2.36	0	10	BROKEN LIGHT	LEVEL 2.17
11	C3	2.37	С	11	RF(2), LEG BOLTS	SNOTS SNOTS LEVEL 2.15
12	Y-FACE	2.36	С	12	GUSSET SHOWS SIGN OF RUST	EVG. 2.13
13	Y-FACE	2.35	С	13	DIAGONAL GUSSET IS RUSTED	LEVEL 2.11
14	Y-FACE	2.35	С	14	RF(1), HORIZONTAL BOLT	19 EVEL 2.9
15	Z-FACE	2.35	С	15	MINOR RUST ON DIAGONAL GUSSET PLATES	LEVEL 27
16	X-FACE	2.35	С	16	RF(1), HORIZONTAL BOLT	LEVEL 2.5
17	X-FACE	2.34	0	17	RUST ON JUNCTION BOXES AND HARDWARE	IEVEL 2.3 LEVEL 2.2
Sutro Tower				Signatur	e: Page:1 of7	2NO LEVEL 2.1
San Francisco, CA				File:	Date: 1-11-17	® ® ® ® ® ® X Y Z LEG - ©

Observ.	Location/Identification			Photo	Ohaamistian Camanaanta	SRD LEVEL 3
No.	Column	Elevation	Item ¹	No.	Observation Comments	LEVEL 2.57
18	Z-FACE	2.33	С	18	RF(1), SKIN SUPPORT ANGLE BOLT	23 19 18 12VEL 2.35
19	C2	2.33 – 2.35	L	19	RUST ON LEG	21 EVE. 2.55
20	Z-FACE	2.33	С	20	ALL THREE GUSSETS SHOW MINOR RUST	24 23 28
21	Y-FACE	2.31 – 2.33	L	21	RUST ON LEG	20 LEVEL 2.29
22	X-FACE	2.33	0	22	RUSTED 3" RIGID LINE SUPPORT HARDWARE	50 33 32 31 190 220 34 34
23	X-FACE	2.33	С	23	MEDIUM RUST ON HORIZONTAL GUSSET PLATE	\$30 EVEL 2.25
24	C2	2.31 – 2.33	L	24	RUST ON LEG	EVEL 2.25 LEVEL 2.23 LEVEL 2.21 LEVEL 2.21 LEVEL 2.21 LEVEL 2.17 LEVEL 2.17 LEVEL 2.17
25	C2	2.31	O	25	RF(12), LEG BOLTS	9 b
26	C3	2.31	C	26	RF(3), LEG BOLTS	86 LEVEL 2.19
27	Z-FACE	2.31	C	27	MINOR RUST ON DIAGONAL GUSSETS	EVEL 2.17
28	Z-FACE	2.31	С	28	RF(1), HORIZONTAL BOLT	S 10 10 10 10 10 10 10 10 10 10 10 10 10
29	Y-FACE	2.31	С	29	RUST ON HORIZONTAL GUSSET	EVG. 2.13
30	C3	2.31	O	30	RF(3), LEG BOLTS	EVEL 2.11
31	C3	2.31	Ш	31	RUST ON LEG	[0] [0]
32	Y-FACE	2.29	C	32	RUST ON DIAGONAL GUSSET	LEVEL 2.7
33	Y-FACE	2.29	C	33	RUST ON SKIN SUPPORT ANGLE GUSSET	LEVEL 2.5
34	Z-FACE	2.27	С	34	RUST ON GUSSETS	EVEL 2.3
	Sutro	Tower		Signatur	e: Page:2 of7	2ND LEVEL 2
Sa	an Franc	cisco, C	4	File:	Date: 1-11-17	® ® ® ® ® ® X Y Z LEG - ©

Observ.	Location/Identification			Photo Cheenistian Co.	Ohaamuskian Oamusanta	380 LEVEL 3
No.	Column	Elevation	Item ¹	No.	Observation Comments	LEVEL 2.37
35	Z-FACE	2.27	С	35	TWO BOLTS ARE LOOSE FOR SKIN SUPPORT ANG	_E
36	Y-FACE	2.27	С	36	RUST ON HORIZONTAL GUSSET	9 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10
37	Y-FACE	2.27	С	37	RF(1), SKIN SUPPORT ANGLE	(EVEL 23)
38	Y-FACE	2.26	C	38	RUST ON TWO GUSSETS	36 37 LEVEL 2.29 35
39	Y-FACE	2.25	C	39	MINOR RUST ON THREE GUSSETS	38 40 LEVEL 2.27
40	C1	2.25	C	40	RF(3), LEG BOLTS	41 39 40 275 42 49 42
41	C2	2.25	O	41	RF(12), LEG BOLTS	47 47
42	Z-FACE	2.25	C	42	RF(1), DIAGONAL BOLT	47 48 50 48 1871 2.23 1871 2.19 1871 2.19 1871 2.15 1871 2.15
43	C1	2.25	Ш	43	RUST ON LEG	18 JEWEL 2.19
44	X-FACE	2.25	O	44	MINOR RUST ON DIAGONAL GUSSET	EVEL 2.17
45	C2	2.25	Ш	45	MINOR RUST ON LEG	5 SNOT 215
46	C2	2.24	L	46	MINOR RUST ON LEG	EVG. 2.13
47	Y-FACE	2.24	O	47	RF(1), DIAGONAL BOLT AND RUST ON GUSS	SET
48	Y-FACE	2.23	O	48	THREE RUSTED GUSSETS	9 LEVEL 29
49	C3	2.25	C	49	RF(4), LEG BOLTS AND RUST ON LEG	LEVEL 27
50	Y-FACE	2.23	O	50	RF(1), SKIN SUPPORT ANGLE AND RUSTED HORIZONTAL GUSSE	ET LEVG. 2.5
51	X-FACE	2.21	0	51	DAMAGED JUNCTION BOX AND CABLE NOT PROPERLY ATTACH	H / / K = 2 × 2 ×
	Sutro	Tower		Signatur	e: Page:3 of7	2MD LEVEL 2-1 LEVEL 2-1
San Francisco, CA				File:	Date: 1-11-17	© © © © © X Y Z LEG - ©

Observ.	Location/Identification			Photo	Observation Community	SRD LEVEL 3
No.	Column	Elevation	Item ¹	No.	Observation Comments	LEVEL 2.57
52	C2	2.19 – 2.21	С	52	MEDIUM RUST ON DIAGONAL GUSSET	LEVEL 2.35
53	C2	2.19 – 2.21	L	53	MEDIUM RUST ON LEG	S (EVEL 2.55
54	Z-FACE	2.19	С	54	TWO BOLTS ARE MISSING FOR SKIN SUPPORT CHANNEL	(EVEL 2.31
55	Y-FACE	2.19	D	55	MINOR RUST ON DIAGONAL MEMBER	LEVEL 2.29
56	C2	2.19	С	56	RF(12), LEG BOLTS	9 LIVIL 227
57	Z-FACE	2.19	C	57	RUST ON GUSSETS	152 157
58	X-FACE	2.18	0	58	ELECTRICAL BOX IS MISSING COVER	SWELL 2.23
59	X-FACE	2.18	С	59	RF(1), DIAGONAL BOLT	52 53 54 57
60	C2	2.16	L	60	RUST ON LEG	56 / 56
61	Y-FACE	2.16	С	61	MINOR RUST ON DIAGONAL GUSSET	60 60 62
62	Z-FACE	2.17	C	62	MEDIUM RUST ON HORIZONTAL GUSSET	63 62 (EVEL 2.15 66) 66 (EVEL 2.15 66) 66
63	Z-FACE	2.15	С	63	RF(1), SKIN SUPPORT ANGLE	68 67
64	Y-FACE	2.15	C	64	RF(2), AND MINOR RUST ON GUSSET	EVEL 2.11
65	Y-FACE	2.15	C	65	RF(2), HORIZONTAL BOLT AND ALL THREE GUSSETS ARE RUSTED	. S. LEVEL 2.9
66	Z-FACE	2.15	C	66	RF(1), DIAGONAL BOLT AND MINOR RUST ON HORIZONTAL GUSSET	LEVEL 2.7
67	Z-FACE	2.14	С	67	RF(1), DIAGONAL BOLT	LEVOL 2.5
68	Z-FACE	2.13	С	68	FOUR LOOSE BOLTS FOR SKIN BEAM CONNECTION	IEVEL 2.3 IEVEL 2.2
	Sutro	Tower		Signatur	e: Page:4 of7	2NO LEVEL 2
Sa	n Franc	cisco, C	4	File:	Date: 1-11-17	© @ @ @ ® X Y Z LEG - ©

Observ.	Locat	ion/Identifica	tion	Photo	Photo Cheen etien Comments	380 LEVEL 3
No.	Column	Elevation	Item ¹	No.	Observation Comments	LEVEL 2.57
69	Y-FACE	2.13	С	69	MEDIUM RUST ON GUSSETS	LEVEL 2.35
70	Z-FACE	2.13	С	70	RUST ON GUSSET AND LEG	9 (EVEL 2.55
71	Y-FACE	2.11	С	71	MEDIUM RUST ON GUSSET PLATES	(EVEL 2.31
72	Y-FACE	2.11	С	72	RF(2), HORIZONTAL BOLTS	LEVEL 2.29
73	Z-FACE	2.11	С	73	FOUR LOOSE BOLTS FOR BEAM	9 ENGL 227
74	Z-FACE	2.11	0	74	ANTENNA SUPPORT CONNECTION BOLTS ARE RUSTED	S3 97 85
75	X-FACE	2.11	С	75	MEDIUM RUST ON GUSSET	LEVEL 2.25 LEVEL 2.23 LEVEL 2.23 LEVEL 2.21 LEVEL 2.21 LEVEL 2.17 LEVEL 2.17 LEVEL 2.17
76	Z-FACE	2.9	С	76	ONE SKIN BEAM BOLT IS LOOSE	1 EVG. 2.21
77	X-FACE	2.9	С	77	RF(2), SKIN SUPPORT ANGLE BOLTS	EVFL 2.19
78	Y-FACE	2.9	С	78	RUST ON WELD FOR DIAGONAL GUSSET	EVEL 2.17
79	X-FACE	2.8	С	79	RUSTED GUSSET PLATES	58 015 44 M 69 70
80	X-FACE	2.8	С	80	DRAIN HOLES ARE PLUGGED FOR GUSSETS	70
81	Z-FACE	2.7	С	81	FOUR SKIN BOLTS ARE LOOSE	75 72 71 73 FVI 211 76 74
82	X-FACE	2.5	С	82	RUSTED GUSSETS	79 78 81
83	Y-FACE	2.7	С	83	ALL GUSSETS ARE RUSTED	83 LIVEL 27
84	X-FACE	2.5	L	84	MINOR RUST ON LEG	84 85 LEVEL 2.5
85	Z-FACE	2.5	С	85	FOUR LOOSE BEAM BOLTS	IEVEL 2.3 IEVEL 2.2
	Sutro	Tower		Signatur	e: Page:5 of7	ZNO LEVEL 2.1
Se	an Franc	cisco, C	A	File:	Date: 1-11-17	® ® ® ® ® ® X Y Z LEG -©

Observ.	Locat	ion/Identifica	tion	Photo	Oh a marking O and a state	SKO LEVEL 3
No.	Column	Elevation	Item ¹	No.	Observation Comments	LEVEL 2.37
86	Y-FACE	2.5	С	86	RF(2)	LEVEL 2.35
87	Y-FACE	2.5	С	87	RF(2), SKIN SUPPORT BOLTS	19 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10
88	X-FACE	2.5	0	88	DAMAGED JUNCTION BOX AND BROKE	EN LIGHT
89	Z-FACE	2.5	С	89	RUST ON GUSSETS	LEVOL 2.29
90	Y-FACE	2.5	С	90	MINOR RUST ON HORIZONTAL GUS	SSET g LEVIL 227
91	Z-FACE	2.4	С	91	RF(1), DIAGONAL BOLT	S9 UEVIL 2.25
92	Z-FACE	2.3	С	92	FOUR BEAM BOLTS ARE LOOSE	EUSSET LEVEL 2.25 LEVEL 2.25 LEVEL 2.25 LEVEL 2.21 LEVEL 2.17 LEVEL 2.17
93	C1	2.3	С	93	RF(3)	1 (EVIL 22)
94	Y-FACE	2.3	С	94	RUST ON GUSSETS	EPFL 2.19
95	Y-FACE	2.3	С	95	RF(1), HORIZONTAL BOLT	EVEL 2.17
96	Z-FACE	2.3	С	96	RUST ON HORIZONTAL MEMBER G	SUSSET SOUSSET SOUSSE SOUSSET
97	C2	2.3	С	97	RF(4)	EVG. 2.13
98	C2	2.3 – 2.5	С	98	MEDIUM RUST ON DIAGONAL GUSS	SET EVEL 2.11
99	Z-FACE	2.3	С	99	RF(2)	19 Sept 29 LEVEL 29
100	Z-FACE	2.1	С	100	RUST ON HORIZONTAL GUSSET	90 86 89 89
101	Y-FACE	2.1	С	101	THREE RUSTED GUSSET PLATES	98 95 92 91 91 <u>1870 7.5</u>
102	Y-FACE	2.1	0	102	ANTENNA MOUNT HAS ONE LOOSE CONNECT	ION BOLT
	Sutro	Tower		Signatur	e: Page:6_	
Sá	San Francisco, CA				Date: 1-11	0 0 0 0 0

Observ. No.	Locat	Location/Identification		Photo	hoto	SRO LEVEL 3		
	Column	Elevation	Item ¹	No.	Observation Comments	LEVEL 2.57		
103	Z-FACE	2.1	0	103	RIGID LINE HARDWARE IS RUSTED	LEVEL 2.35		
104	X-FACE	2.1	Н	104	BENT HORIZONTAL CHANNEL	1.5 TEAN 5.72		
						(EVE. 2.3)		
						LEVGL 2.29		
						9 EVA. 2.27		
						EVEL 2.25		
						LEVEL 2.25 LEVEL 2.23 LEVEL 2.21 LEVEL 2.17 LEVEL 2.17 LEVEL 2.17		
						LEVEL 2.19		
						18VEL 2.17		
						S S NOT 2.15		
						EVC. 2.13		
						EVEL 2.11		
						10 9 9		
						EVEL 2.7		
						LEVEL 2.3		
						LEVEL 2.1		
Sutro Tower				Signatur	e: Page:7 of7	104 (a) (a) (a) (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c		
Sá	San Francisco, CA			File:	Date: 1-11-17	X Y Z		



Photo 1.JPG 8/9/2016



Photo 2.JPG 8/9/2016



Photo 3.JPG 8/9/2016

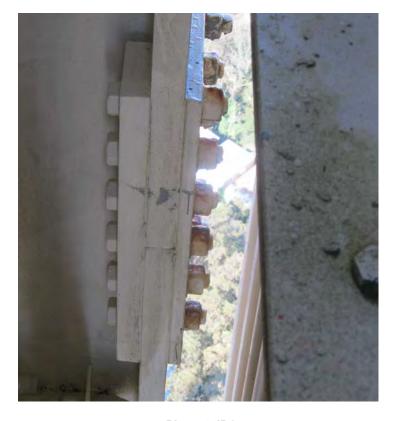


Photo 4.JPG 8/9/2016



Photo 5.JPG 8/9/2016



Photo 6.JPG 8/9/2016



Photo 7.JPG 8/9/2016



Photo 8.JPG 8/9/2016



Photo 9.JPG 8/9/2016



Photo 10.JPG 8/9/2016

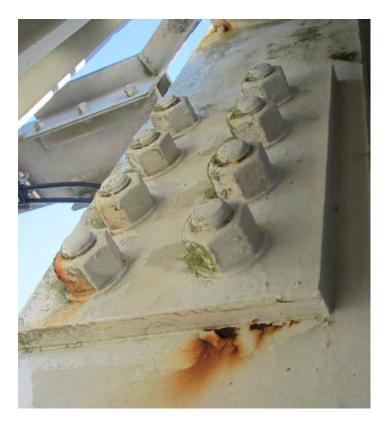


Photo 11.JPG 8/9/2016



Photo 12.JPG 8/9/2016

Leg C (Level 2 to Level 3)



Photo 13.JPG 8/9/2016



Photo 14.JPG 8/9/2016



Photo 15.JPG 8/9/2016



Photo 16.JPG 8/9/2016



Photo 17.JPG 8/9/2016



Photo 18.JPG 8/9/2016



Photo 19.JPG 8/9/2016



Photo 20.JPG 8/9/2016

Leg C (Level 2 to Level 3)



Photo 21.JPG 8/9/2016

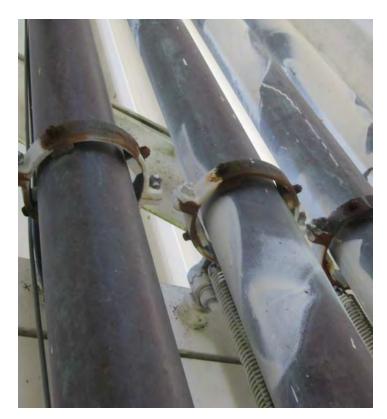


Photo 22.JPG 8/9/2016



Photo 23.JPG 8/9/2016

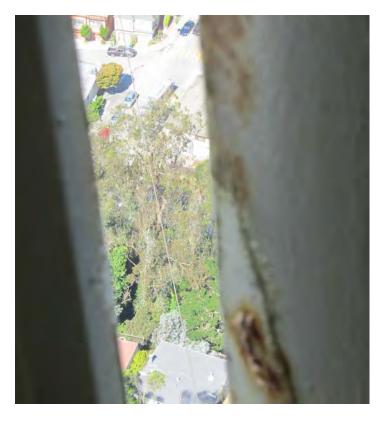


Photo 24.JPG 8/9/2016

Leg C (Level 2 to Level 3)



Photo 25.JPG 8/9/2016



Photo 26.JPG 8/9/2016



Photo 27.JPG 8/9/2016



Photo 28.JPG 8/9/2016

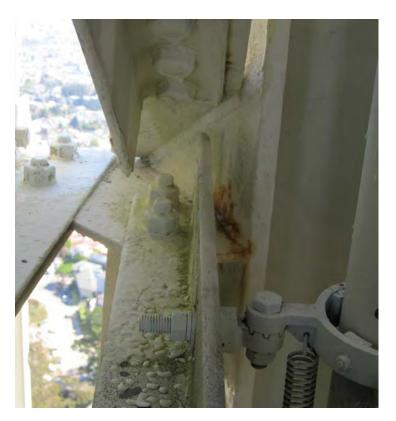


Photo 29.JPG 8/9/2016



Photo 30.JPG 8/9/2016



Photo 31.JPG 8/9/2016



Photo 32.JPG 8/9/2016



Photo 33.JPG 8/9/2016



Photo 34.JPG 8/9/2016



Photo 35.JPG 8/9/2016



Photo 36.JPG 8/9/2016



Photo 37.JPG 8/9/2016



Photo 38.JPG 8/9/2016



Photo 39.JPG 8/9/2016



Photo 40.JPG 8/9/2016



Photo 42.JPG

Photo 41.JPG 8/9/2016



Photo 43.JPG 8/9/2016



Photo 44.JPG 8/9/2016





Photo 45.JPG 8/9/2016





Photo 47.JPG 8/9/2016



Photo 48.JPG 8/9/2016

Leg C (Level 2 to Level 3)

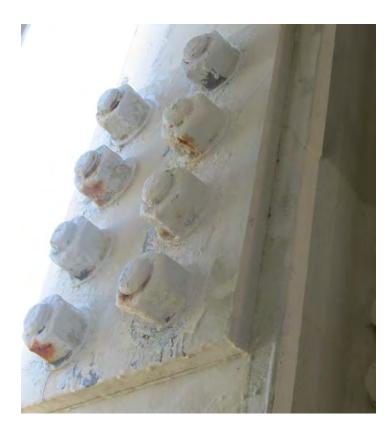


Photo 49.JPG 8/9/2016





Photo 51.JPG 8/9/2016



Photo 52.JPG 8/9/2016



Photo 53.JPG 8/9/2016



Photo 54.JPG 8/9/2016



Photo 55.JPG 8/9/2016



Photo 56.JPG 8/9/2016

Leg C (Level 2 to Level 3)



Photo 57.JPG 8/9/2016



Photo 58.JPG 8/9/2016



Photo 59.JPG 8/9/2016



Photo 60.JPG 8/9/2016



Photo 61.JPG 8/9/2016

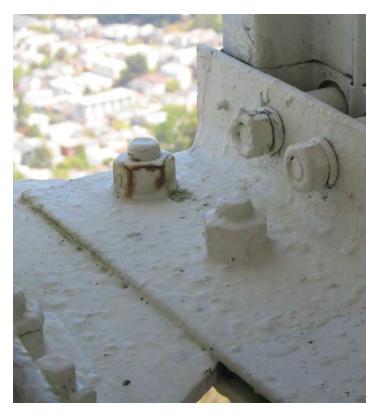


Photo 63.JPG 8/9/2016



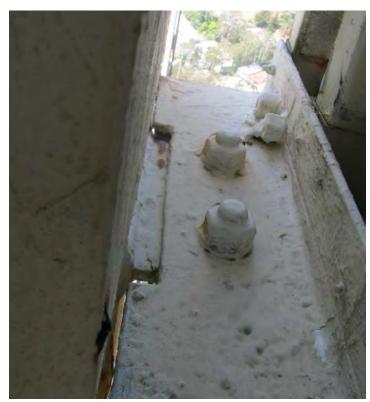


Photo 64.JPG 8/9/2016



Photo 65.JPG 8/9/2016



Photo 66.JPG 8/9/2016



Photo 67.JPG 8/9/2016



Photo 68.JPG 8/9/2016



Photo 69.JPG 8/9/2016



Photo 71.JPG 8/9/2016





Photo 72.JPG 8/9/2016



Photo 73.JPG 8/9/2016



Photo 74.JPG 8/9/2016



Photo 75.JPG 8/9/2016



Photo 76.JPG 8/9/2016



Photo 77.JPG 8/9/2016



Photo 79.JPG 8/9/2016



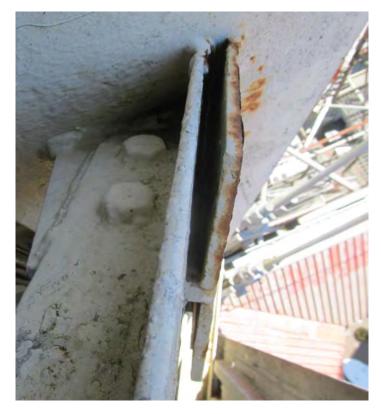


Photo 80.JPG 8/9/2016





Photo 81.JPG 8/9/2016



Photo 82.JPG 8/9/2016

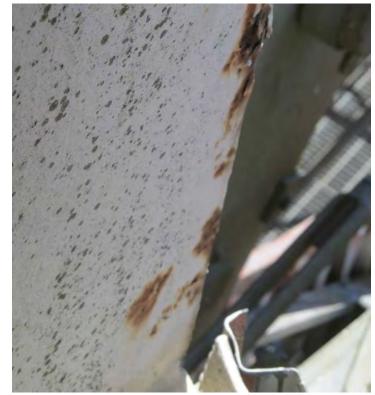


Photo 83.JPG 8/9/2016

Photo 84.JPG 8/9/2016





Photo 85.JPG 8/9/2016



Photo 87.JPG 8/9/2016

Photo 86.JPG 8/9/2016



Photo 88.JPG 8/9/2016





Photo 89.JPG 8/9/2016



Photo 91.JPG 8/9/2016

Photo 90.JPG 8/9/2016



Photo 92.JPG 8/9/2016



Photo 93.JPG 8/9/2016



Photo 95.JPG 8/9/2016

Photo 94.JPG 8/9/2016



Photo 96.JPG 8/9/2016





Photo 97.JPG 8/9/2016



Photo 99.JPG 8/9/2016





Photo 100.JPG 8/9/2016



Photo 101.JPG 8/9/2016

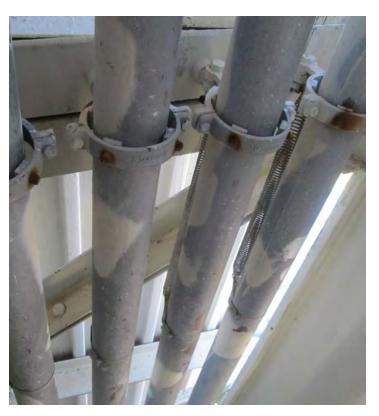


Photo 103.JPG 8/9/2016





Photo 104.JPG 8/9/2016

Observ.	Location/Identification			Photo	Photo Charaction Core		4TH LEVEL 5 4 LEVEL 4 8
No.	Column	Elevation	Item ¹	No.	Observation Comments		1 3 2 LEVEL 3.34 6 7 10 9
1	C1	4	С	1	RF(1)		12 13 LEVEL 3.32
2	C3	4	С	2	5/8" BEAM CONNECTION E	5/8" BEAM CONNECTION BOLT IS MISSING	
3	C2	4	С	3	TWO BEAM CONNECTION BOLTS ARE LOOSE		16 15 LEVEL 3.28
4	Y-FACE	4	С	4	RUSTED DIAGONAL GUSS	SET	9 LEVEL 3.26
5	C1	4	L	5	MINOR RUST ON LEG		LEVEL 3.24
6	X-FACE	4	C	6	RF(1), HORIZONTAL BOLT		LEVEL 3.22 LEVEL 3.20 LEVEL 3.18 LEVEL 3.18 LEVEL 3.18 LEVEL 3.18 LEVEL 3.18
7	X-FACE	4	С	7	LOOSE HORIZONTAL STIT	CH BOLT	10-00 N
8	C1	4	O	8	RF(6), LEG BOLTS	RF(6), LEG BOLTS	
9	Z-FACE	3.34	O	9	ONE SKIN SUPPORT BOLT IS RUSTED		LEVEL 3.16
10	Z-FACE	3.34	O	10	BOLTS FOR OUTSIDE BEAM ARE LOOSE OR SHORT		. D . D . D . D . D . D . D . D . D . D
11	Y-FACE	3.30 - 4	0	11	LOOSE LINES		OSSI LEVEL 3.12
12	C2	3.32	L	12	MINOR RUST ON LEG		LEVEL 3.10
13	Z-FACE	3.32	O	13	RF(2), HORIZONTAL BOLTS & RF(1)	RF(2), HORIZONTAL BOLTS & RF(1) SKIN PANEL BOLT	
14	Y-FACE	3.30	O	14	RF(2), HORIZONTAL BOLT	RF(2), HORIZONTAL BOLTS	
15	C3	3.30	0	15	OMNI ANTENNA MOUNT HAS RUSTED HARDWARE		LEVEL 3.4
16	C2	3.30	O	16	RF(4), LEG BOLTS		LEVEL 3.3 LEVEL 3.2
17	C3	3.30	O	17	RF(4), LEG BOLTS		3RD LEVEL 3.1
	Sutro Tower			Signatur	e:	Page:1 of5	
San Francisco, CA			4	File:	Date: 1-11-17		X Y Z <u>LEG - ©</u>

Observ.	Location/Identification			Photo	Photo Observation Com-	-	4TH LEVEL 1 LEVEL 4
No.	Column	Elevation	Item ¹	No.	Observation Comments		LEVEL 3.34
18	C1	3.30	С	18	RF(1), LEG BOLT		18 19 LEVEL 3.32
19	C2	3.30	L	19	MINOR RUST ON LEG		21 LEVEL 3.30
20	Z-FACE	3.28	L	20	MINOR RUST ON LEG		27 LEVEL 3.28
21	Y-FACE	3.28	С	21	RF(2), HORIZONTAL BOLTS	S	23 24 LEVEL 3.26
22	Y-FACE	3.26	С	22	RF(1), SKIN SUPPORT ANG	GLE BOLT	29 ZOV LEVEL 3.24
23	X-FACE	3.26	D	23	DIAGONAL MEMBER SHOW	VS RUST	33 LEVEL 3.22
24	Y-FACE	3.26	С	24	ONE BOLT IS LOOSE FOR BE	EAM CONNECTION	40-08 LEVEL 3.20
25	Z-FACE	3.26	С	25	RUST ON GUSSET PLATE WELD & HORIZONTAL BOLT		LEVEL 3.18
26	Z-FACE	3.26	С	26	RF(1), SKIN SUPPORT ANGLE BOLT		LEVEL 3.16
27	C2	3.27	L	27	RUSTED SPOTS ON LEG		0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -
28	Z-FACE	3.24 – 3.26	С	28	RF(1), DIAGONAL BOLT		OSST
29	X-FACE	3.24 – 3.26	С	29	RF(1), DIAGONAL BOLT		LEVEL 3.10
30	C2	3.24	С	30	RF(7), LEG BOLTS		10 10 10 10 10 10 10 10 10 10 10 10 10 1
31	C2	3.24	L	31	RUST ON LEG SPLICE		LEVEL 3.6
32	X-FACE	3.24	С	32	GUSSET SHOWS RUST		LEVEL 3.4
33	X-FACE	3.24	С	33	HORIZONTAL GUSSET SHOWS RUST		LEVEL 3.3 LEVEL 3.2
34	Y-FACE	3.24	С	34	TWO BOLTS ARE LOOSE FOR SKIN SUPPORT ANGLE		JRD LEVEL 3.1
Sutro Tower				Signatur	e:	Page:2 of5	
San Francisco, CA			4	File:	Date: 1-11-17		$\begin{array}{ccc} X & Y & Z \\ \underline{\text{LEG } - \textcircled{\textcircled{\textbf{C}}}} \end{array}$

Observ.	Location/Identification			Photo	Photo		4TH LEVEL 4
No.	Column	Elevation	Item ¹	No.	Observation Comments		LEVEL 3.34
35	C1	3.24	С	35	RF(2), LEG BOLTS AND RUST ON LEG		LEVEL 3.32
36	C3	3.24	С	36	MINOR RUST ON BOLTS AND LEG SPLICE		LEVEL 3.30
37	Z-FACE	3.23	С	37	RF(1), DIAGONAL BOLT		LEVEL 3.28
38	C1	3.22	С	38	RUST ON WELD FOR GUSS	SET	10 LEVEL 3.26 35
39	Z-FACE	3.22	С	39	RF(1), HORIZONTAL BOLT		41 37 LEVEL 3.24 42 38
40	C1	3.22	С	40	RF(1), DIAGONAL BOLT		39 LEVEL 3.22
41	Y-FACE	3.23	С	41	RUST ON DIAGONAL GUSS	SET	0 . LEVEL 3.20
42	Y-FACE	3.22	С	42	RF(1), SKIN SUPPORT ANGLE BOLT		51 44 45 46 LEVEL 3.18 50
43	C3	3.22	C	43	RF(1), SKIN SUPPORT ANGLE BOLT		HEVEL 3.16
44	Y-FACE	3.20	0	44	TWO LOOSE 7/8" LINES		38V 14VOHS SHOOSHAMING 10 LEVEL 3.16 LEVEL 3.14 LEVEL 3.12
45	Y-FACE	3.20	C	45	RF(2), HORIZONTAL BOLTS & RF(1), SKIN SUPPORT BOLT		LEVEL 3.12
46	Z-FACE	3.20	С	46	ONE BEAM CONNECTION BOLT IS MISSING		LEVEL 3.10
47	C2	3.19	O	47	GUSSET PLATE IS RUSTED	GUSSET PLATE IS RUSTED	
48	X-FACE	3.20	O	48	GUSSET PLATE IS RUSTED		LEVEL 3.6
49	Y-FACE	3.20	O	49	RF(2), BEAM CONNECTION BOLTS		LEVEL 3.4
50	Z-FACE	3.20	O	50	RF(1), DIAGONAL BOLT		LEVEL 3.3 LEVEL 3.2
51	X-FACE	3.20	0	51	ANTENNA MOUNT GUY WIRES HAVE RUSTED COTTER PINS		JRD LEVEL 3.1
	Sutro Tower			Signatur	re: Page:3 of5		
San Francisco, CA			4	File:	Date: 1-11-17		X Y Z LEG - ©

Observ.	Location/Identification			Photo	Photo		4TH LEVEL 1 LEVEL 4		
No.	Column	Elevation	Item ¹	No.	Observation Comments		LEVEL 3.34		
52	X-FACE	3.17	0	52	BROKEN LIGHT		LEVEL 3.32		
53	Y-FACE	3.15	0	53	1/4" LINES ARE LOOSE		LEVEL 3.30		
54	Y-FACE	3.14	С	54	SKIN SUPPORT ANGLE CONNECTION BOLT IS LOOSE		LEVEL 3.28		
55	C2	3.15	L	55	RUST ON LEG		10 98		
56	Y-FACE	3.14	С	56	RF(3), DIAGONAL BOLTS		EEVEL 3.24		
57	Y-FACE	3.12	С	57	RUSTED SKIN SUPPORT ANGLE CO	ONNECTION BOLTS	SEVEL 3.22 LEVEL 3.22 LEVEL 3.20 LEVEL 3.18		
58	C3	3.12	L	58	RUST ON LEG		0-00 N		
59	C2	3.12	С	59	RF(4)		52 LEVEL 3.18		
60	Z-FACE	3.12	С	60	TWO BOLTS ARE MISSING FOR BEAM CONNECTION		53 LEVEL 3.16		
61	Y-FACE	3.12	С	61	HORIZONTAL GUSSET SHOWS SIGN OF RUST		MO 15		
62	C3	3.12	L	62	RUST ON LEG		58 57 LEVEL 3.12 62		
63	Z-FACE	3.10	0	63	DAMAGED ELECTRICAL CABLE FOR JUNCTION BOX		68 65 64 LEVEL 3.10		
64	Y-FACE	3.10	С	64	RUST ON DIAGONAL GUS	SETS	63 63 LEVEL 3.8		
65	Y-FACE	3.10	С	65	SKIN SUPPORT CONNECTION E	BOLTS ARE LOOSE	LEVEL 3.6		
66	Z-FACE	3.10	С	66	TWO BOLTS ARE MISSING FOR THE OUTSIDE BEAM		LEVEL 3.4		
67	Y-FACE	3.10	С	67	GUSSET PLATE SHOWS SIGN OF RUST		LEVEL 3.3 LEVEL 3.2		
68	X-FACE	3.9	0	68	BROKEN LIGHT		3RD LEVEL 3.1 LEVEL 3.1		
	Sutro Tower			Signatur	e:	Page:4 of5			
San Francisco, CA			Α	File:	Date: 1-11-17		X Y Z		

Observ.	Location/Identification			Photo	Oh a mushim Community		4TH LEVEL LEVEL 4		
No.	Column	ımn Elevation Item ¹		No.	Observation Comments		LEVEL 3.34		
69	Y-FACE	3.8	С	69	TWO BOLTS ARE LOOSE FOR OUTSIDE	BEAM CONNECTION	LEVEL 3.32		
70	C2	3.6	С	70	GUSSET PLATE FOR SKIN ANGLE S	SUPPORT IS RUSTED	LEVEL 3.30		
71	Y-FACE	3.6	С	71	DIAGONAL GUSSET IS RUS	STED	LEVEL 3.28		
72	C2	3.6	С	72	RF(2), LEG BOLTS		PO LEVEL 3.26		
73	C3	3.6	С	73	RF(1)		\$3 50 67 LEVEL 3.24 LEVEL 3.22		
74	X-FACE	3.4	С	74	RUST ON DIAGONAL GUSS	SET	LEVEL 3.22		
75	Z-FACE	3.1	С	75	WATER POOLING IN DIAGO	ONAL GUSSET	NW17100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
76	Y-FACE	3.1	С	76	RF(1), HORIZONTAL BOLT		LEVEL 3.18		
							LEVEL 3.16		
							NWOOTS NO 10 10 10 10 10 10 10 10 10 10 10 10 10		
							SIND SIND SIND SIND SIND SIND SIND SIND		
							LEVEL 3.10		
							69 LEVEL 3.8		
							70 71 LEVEL 3.6		
							72 73 LEVEL 3.4		
							LEVEL 3.3 LEVEL 3.2		
							3RD LEVEL 3.1 LEVEL 3		
Sutro Tower				Signatur	e:	Page:5 of5	75		
San Francisco, CA				File:		Date: 1-11-17	X 76 Y Z		

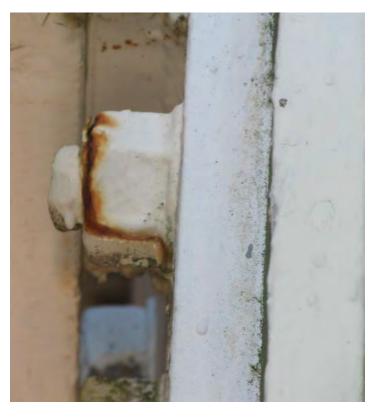


Photo 1.JPG 8/8/2016



Photo 2.JPG 8/8/2016



Photo 3.JPG 8/8/2016



Photo 4.JPG 8/8/2016



Photo 5.JPG 8/8/2016



Photo 6.JPG 8/8/2016



Photo 7.JPG 8/8/2016



Photo 8.JPG 8/8/2016



Photo 9.JPG 8/8/2016



Photo 10.JPG 8/8/2016

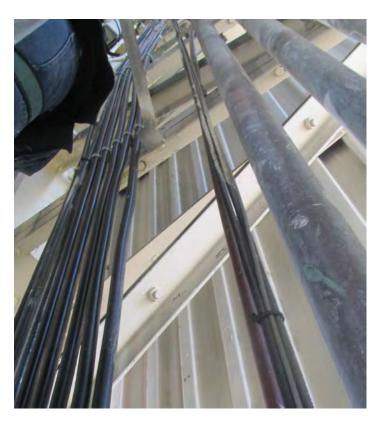


Photo 11.JPG 8/8/2016



Photo 12.JPG 8/8/2016

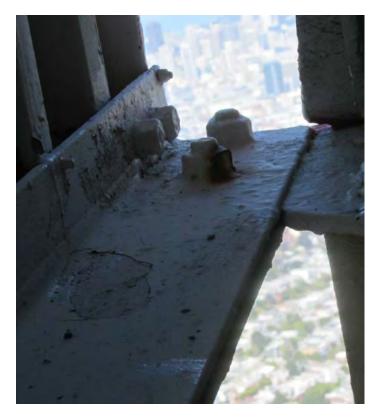


Photo 13.JPG 8/8/2016



Photo 14.JPG 8/8/2016



Photo 15.JPG 8/8/2016



Photo 16.JPG 8/8/2016



Photo 17.JPG 8/8/2016

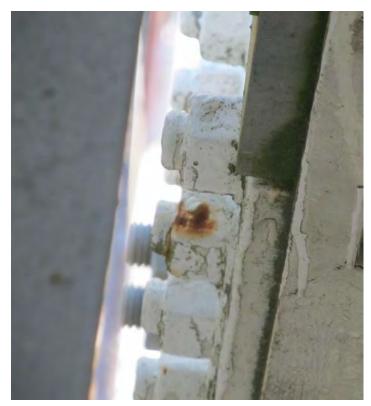


Photo 18.JPG 8/8/2016



Photo 19.JPG 8/8/2016



Photo 20.JPG 8/8/2016



Photo 21.JPG 8/8/2016



Photo 22.JPG 8/8/2016



Photo 23.JPG 8/8/2016

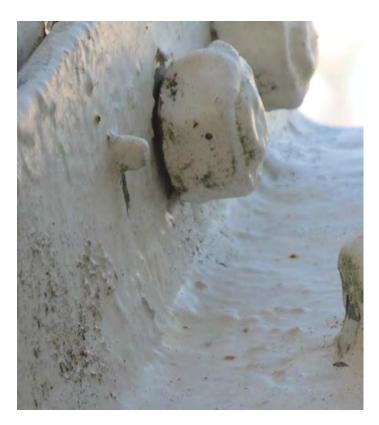


Photo 24.JPG 8/8/2016

Leg C (Level 3 to Level 4)



Photo 25.JPG 8/8/2016

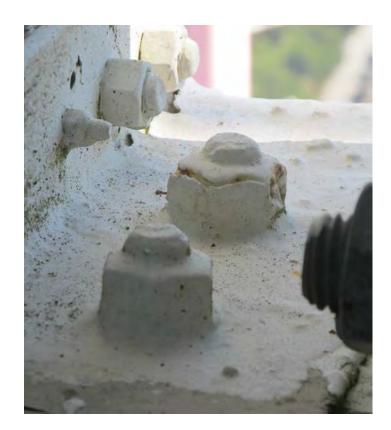


Photo 26.JPG 8/8/2016



Photo 27.JPG 8/8/2016



Photo 28.JPG 8/8/2016

Leg C (Level 3 to Level 4)

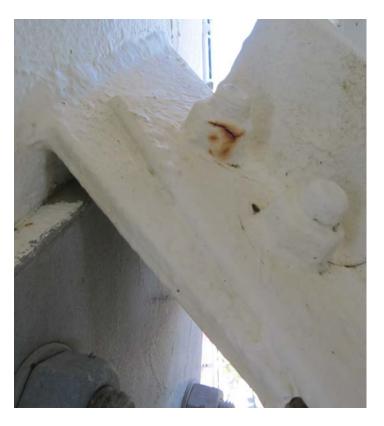


Photo 29.JPG 8/8/2016



Photo 30.JPG 8/8/2016



Photo 31.JPG 8/8/2016



Photo 32.JPG 8/8/2016



Photo 33.JPG 8/8/2016

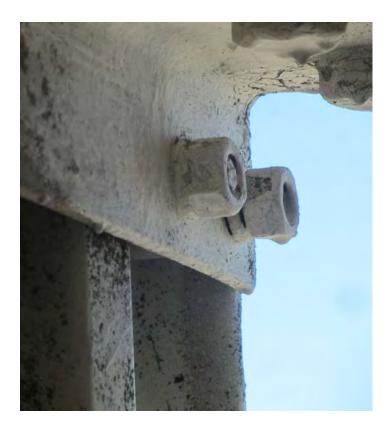


Photo 34.JPG 8/8/2016



Photo 35.JPG 8/8/2016



Photo 36.JPG 8/8/2016



Photo 37.JPG 8/8/2016



Photo 38.JPG 8/8/2016



Photo 39.JPG 8/8/2016



Photo 40.JPG 8/8/2016



Photo 41.JPG 8/8/2016

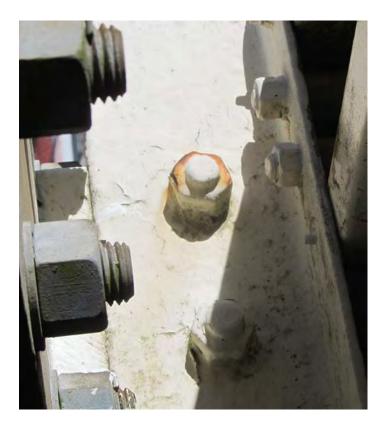


Photo 42.JPG 8/8/2016



Photo 43.JPG 8/8/2016



Photo 44.JPG 8/8/2016



Photo 45.JPG 8/8/2016



Photo 47.JPG 8/8/2016





Photo 48.JPG 8/8/2016

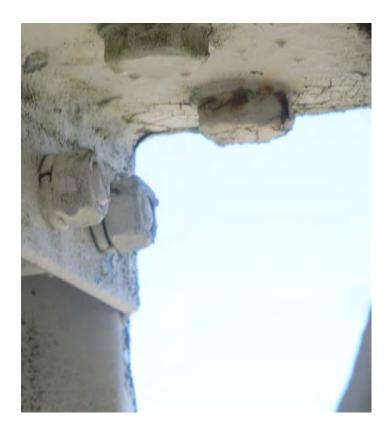


Photo 49.JPG 8/8/2016

Photo 50.JPG 8/8/2016

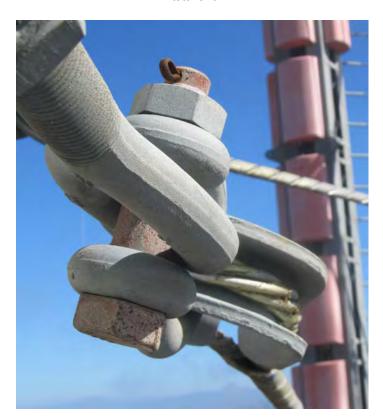


Photo 51.JPG 8/8/2016

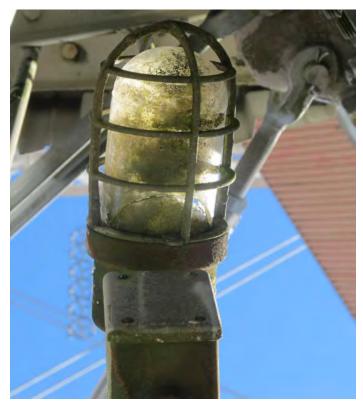


Photo 52.JPG 8/8/2016



Photo 53.JPG 8/8/2016



Photo 54.JPG 8/8/2016



Photo 55.JPG 8/8/2016



Photo 56.JPG 8/8/2016



Photo 57.JPG 8/8/2016



Photo 59.JPG 8/8/2016





Photo 60.JPG 8/8/2016



Photo 61.JPG 8/8/2016



Photo 62.JPG 8/8/2016



Photo 63.JPG 8/8/2016

Photo 64.JPG 8/8/2016



Photo 65.JPG 8/8/2016



Photo 67.JPG 8/8/2016



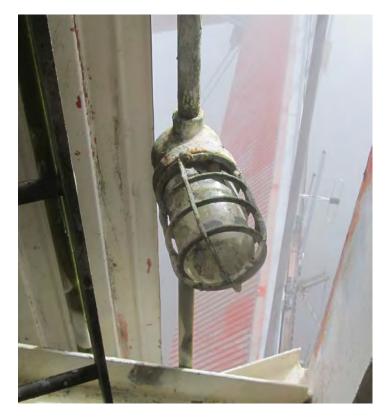


Photo 68.JPG 8/8/2016

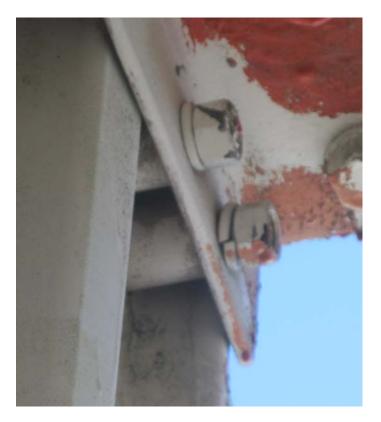


Photo 69.JPG 8/8/2016



Photo 70.JPG 8/8/2016



Photo 71.JPG 8/8/2016



Photo 72.JPG 8/8/2016



Photo 73.JPG 8/8/2016



Photo 74.JPG 8/8/2016



Photo 75.JPG 8/9/2016



Photo 76.JPG 8/9/2016

Observ.	Location/Identification		Photo	Observation Comments				
No.	Column	Elevation	Item ¹	No.	Observation Comments			
1	C2	5	С	1	RF(12), LEG BOLTS		5TH LEVEL 5 LEVEL 4.19	
2	C3	5	С	2	RF(3), LEG BOLTS	RF(3), LEG BOLTS		
3	C1	5	С	3	RF(7), LEG REINFORCEMENT BOLT	RF(7), LEG REINFORCEMENT BOLTS AND RUST ON PLATE		
4	Y-FACE	4.19	С	4	RF(1), AND RUST ON GUS	SET	\$300 dg	
5	X-FACE	4.19	Н	5	BENT HORIZONTAL		13 14 LEVEL 4.13	
6	Y-FACE	4.18	С	6	RF(1), DIAGONAL BOLT			
7	C3	4.18	С	7	RF(8), LEG REINFORCING	BOLTS	12 LEVEL 4.11 LEVEL 4.9	
8	Y-FACE	4.16	С	8	RF(5), LEG REINFORCING	RF(5), LEG REINFORCING BOLTS		
9	Y-FACE	4.13	С	9	MINOR RUST ON HORIZONTAL GUSSET		MOHS LEVEL 4.7	
10	X-FACE	4.15	С	10	RF(2), HORIZONTAL BOLTS		SNOSHAMIO	
11	Y-FACE	4.15	С	11	MINOR RUST ON HORIZON	MINOR RUST ON HORIZONTAL GUSSET		
12	C1	4.11	L	12	RUST ON LEG	RUST ON LEG		
13	C2	4.13	С	13	RF(7), LEG BOLTS		LEVEL 4.2 LEVEL 4.1	
14	C3	4.13	С	14	RF(5), LEG BOLTS		4TH LEVEL 4	
15	Y-FACE	4.7	L	15	RUST ON LEG		C1 C2 C3 C3 C	
16	Y-FACE	4.7	С	16	RF(1), DIAGONAL BOLT		$\begin{array}{ccc} X & Y & Z \\ & LEG & -(\widehat{C}) \end{array}$	
17	C2	4.7	С	17	RF(6), LEG BOLTS			
	Sutro Tower			Signatur	e:	Page:1 of2		
San Francisco, CA			4	File:		Date: 1-11-17		

¹ Item designation: L=leg member, D=diagonal, H=horizontal, C=connection, O=others

Observ.	Location/Identification		Photo	Observation Comments				
No.	Column	Elevation	Item ¹	No.	Observation Commer	ents		
18	C1	4.7	С	18	RF(4), LEG BOLTS		5TH LEVEL 5	
19	C3	4.7	С	19	RF(4), LEG BOLTS		LEVEL 4.19	
20	X-FACE	4.6	С	20	ONE LOOSE STITCH BOLT FO	OR DIAGONAL	LEVEL 4.17	
21	Y-FACE	4.5	С	21	BEAM CONNECTION BOLTS ARE NOT CONN	NECTED PROPERLY	SPICES (4.15)	
22	Z-FACE	4.5	С	22	TWO BOLTS ARE NOT PROPERLY INSTALLED,	, NO EDGE DISTANCE		
23	Z-FACE	4.5	0	23	HANDRAIL IS BENT			
24	C3	4.3	С	24	LEG REINFORCEMENT BOLTS ARE	NOT PAINTED	LEVEL 4.11	
25	Z-FACE	4.3	0	25	CONDUIT IS LOOSE AND NOT ATTACHE	IED TO THE FACE	LEVEL 4.9	
26	C2	4.3	С	26	RF(1)		19 LEVEL 4.7	
							IS LEVEL 4.5	
							LEVEL 4.3	
							LEVEL 4.2 LEVEL 4.1	
							4TH LEVEL 4	
							X Y Z	
							LEG - C	
	Sutro Tower				e: Pa	age:2 of2		
Sa	San Francisco, CA				Da	ate: 1-11-17		

¹ Item designation: L=leg member, D=diagonal, H=horizontal, C=connection, O=others



Photo 1.JPG 8/10/2016



Photo 2.JPG 8/10/2016

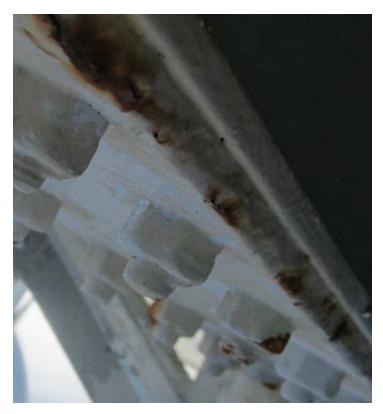


Photo 3.JPG 8/10/2016



Photo 4.JPG 8/10/2016



Photo 5.JPG 8/10/2016



Photo 6.JPG 8/10/2016



Photo 7.JPG 8/10/2016



Photo 8.JPG 8/10/2016



Photo 9.JPG 8/10/2016

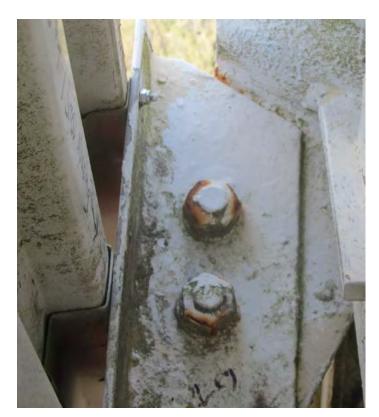


Photo 10.JPG 8/10/2016



Photo 11.JPG 8/10/2016



Photo 12.JPG 8/10/2016

Leg C (Level 4 to Level 5)



Photo 13.JPG 8/10/2016



Photo 14.JPG 8/10/2016



Photo 15.JPG 8/10/2016

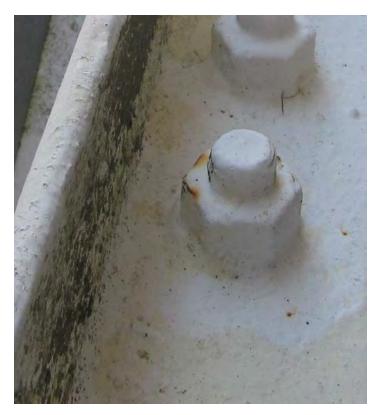


Photo 16.JPG 8/10/2016

Leg C (Level 4 to Level 5)



Photo 17.JPG 8/10/2016



Photo 18.JPG 8/10/2016



Photo 19.JPG 8/10/2016



Photo 20.JPG 8/10/2016



Photo 21.JPG 8/10/2016



Photo 22.JPG 8/10/2016

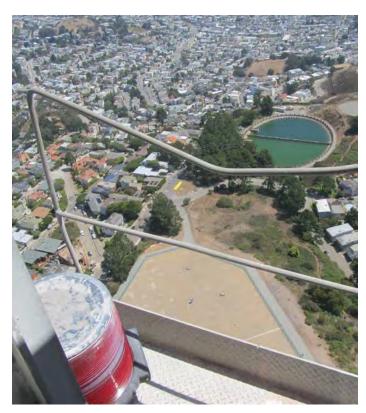


Photo 23.JPG 8/10/2016



Photo 24.JPG 8/10/2016



Photo 25.JPG 8/10/2016



Photo 26.JPG 8/10/2016

Observ.	Location/Identification			Photo			
No.	Column	Elevation	Item ¹	No.	Observation Comments		1 6
1	Z-FACE	6.2	0	1	JUNCTION BOX IS MISSING SCREWS		STH LEVEL 2 3 LEVEL 6.3
2	Y-FACE	6.3	0	2	LOOSE JUMPER CABLE	_6	10 LEVEL 6.2
3	C3	6.3	L	3	RUST ON LEG		
4	Z-FACE	6	0	4	ONE AUXILIARY CONDUIT		13 8 12 17 18 15VE 5 19
5	Z-FACE	6.2	0	5	BROKEN LIGHT		15
6	CENTER	6.3	0	6	RUSTED HARDWARE FOR SAFETY CA	BLE RAIL	
7	C2	6	С	7	RF(2), HORIZONTAL BOLTS		SO O O O O O O O O O O O O O O O O O O
8	C3	6	С	8	RF(6), LEG REINFORCEMENT BOLTS		LEVEL 5.13
9	X-FACE	6.1	С	9	RF(1), HORIZONTAL BOLT		LEVEL 5.11
10	C1	6.1	С	10	GUSSET SHOWS MINOR RUST		NMOHS LEVEL 5.9
11	Y-FACE	6.05	0	11	ELECT. COND. JUNCTION BOX COVER IS RUSTED		LEVEL 5.7
12	C3	6	С	12	RF(3), HORIZONTAL BOLTS		DIMENS.
13	C1	6	С	13	RF(1) AND ONE BOLT IS SHORT		
14	X-FACE	6	С	14	COTTER PIN IS RUSTED ON RIGGING I	AN PLATE	LEVEL 5.3 LEVEL 5.2
15	Y-FACE	6	С	15	RF(2), HORIZONTAL BOLTS & RF(1) DIAGONAL BOLT		LEVEL 5.1 LEVEL 5
16	Y-FACE	6	С	16	RF(1), DIAGONAL BOLT AND GUSSET IS RUSTED		
17	Z-FACE	5.195	С	17	RUST ON TWO DIAGONAL GUSSETS		© @ @ ® ® © X Y Z
Sutro Tower				Signatu	re: Page:	1 of4	LEG - C
San Francisco, CA				File:	Date: 1	11-17	

¹ Item designation: L=leg member, D=diagonal, H=horizontal, C=connection, O=others

Observ.	Location/Identification			Photo			
No.	Column	Elevation	Item ¹	No.	Observation Comments		
18	X-FACE	5.195	0	18	CONDUIT HAS RUSTED CONN	CONDUIT HAS RUSTED CONNECTION HARDWARE	
19	Z-FACE	5.19	0	19	AUXILIARY CONDUITS AND HARD	AUXILIARY CONDUITS AND HARDWARE ARE RUSTED	
20	Y-FACE	5.19	0	20	BROKEN SUPPORT HANGER FOR	R 1-1/8" O.D. CONDUIT	21 LEVEL 6.1 LEVEL 6
21	Z-FACE	5 – 6.3	0	21	MANY BOLTS ARE SHORT FOR	R (2) 6" RIGID LINES	23 22 19
22	Z-FACE	5.195	С	22	RF(1), DIAGONAL BOLT		25 27
23	Y-FACE	5.19	0	23	BROKEN SUPPORT FOR	7/8" CABLE	24 30 LEVEL 5.17 34 28 32 LEVEL 5.15
24	C2	5.18	С	24	RUST ON GUSSET	RUST ON GUSSET	
25	C3	5.18	L	25	RUST ON LEG	RUST ON LEG	
26	X-FACE	5.17	С	26	RUST ON LEG GUSSET W	RUST ON LEG GUSSET WELD	
27	Z-FACE	5.18	D	27	RUST ON DIAGONAL		LEVEL 5.9
28	X-FACE	5.17	С	28	RUST ON WELD FOR HORIZ	RUST ON WELD FOR HORIZONTAL GUSSET	
29	C2	5.17	С	29	RF(4), LEG BOLTS	RF(4), LEG BOLTS	
30	C3	5.17	С	30	RF(8), LEG BOLTS		LEVEL 5.5
31	Z-FACE	5.16	С	31	RF(1), DIAGONAL BOLT	RF(1), DIAGONAL BOLT	
32	Y-FACE	5.15	С	32	RF(1), DIAGONAL BOLT		5TH LEVEL 5.1
33	C2	5.17	С	33	RUST ON LEG SPLICE BOLT HEADS		
34	C1	5.17	С	34	RF(8), LEG BOLTS AND RUSTED PLATES		© © © ® © 0 X Y Z
Sutro Tower				Signatu	re:	Page:2 of4	LEG - C
San Francisco, CA				File:		Date: 1-11-17	

¹ Item designation: L=leg member, D=diagonal, H=horizontal, C=connection, O=others

Observ.	Location/Identification			Photo					
No.	Column	Elevation	Item ¹	No.	Observation Comments				
35	X-FACE	5.14	0	35	BROKEN LIGHT		6TH LEVEL LEVEL 6.3		
36	Y-FACE	5 – 6.3	0	36	3" RIGID LINE SUPPORT HARDWA	3" RIGID LINE SUPPORT HARDWARE IS TYP. RUSTED			
37	Y-FACE	5.13	С	37	RF(1), HORIZONTAL BOL	Т	LEVEL 6.1 LEVEL 6		
38	X-FACE	5.13	С	38	RF(1), DIAGONAL BOLT		LEVEL 5.19		
39	Y-FACE	5.13	0	39	BROKEN SUPPORT FOR	3" LINE	<u>s</u>		
40	Z-FACE	5.11	0	40	RUSTED SUPPORT FOR	CONDUIT	LEVEL 5.17 LEVEL 5.15		
41	Z-FACE	5.11	0	41	JUNCTION BOX CONNECTORS ARE R	JUNCTION BOX CONNECTORS ARE RUSTED FOR CONDUIT			
42	Z-FACE	5.11	0	42	LOOSE CABLE FOR LIGH	LOOSE CABLE FOR LIGHT			
43	Z-FACE	5.11	0	43	RIGID LINE SUPPORT HARDWARE IS RUSTED		38 39 LEVEL 5.13 40 LEVEL 5.11		
44	Y-FACE	5.9	С	44	RF(1), HORIZONTAL BOLT		42 7 43 LEVEL 5.9		
45	X-FACE	5.5	Н	45	BENT HORIZONTAL	BENT HORIZONTAL			
46	C3	5.5	L	46	LEG SPLICE IS RUSTED		SNOS 100 444 LEVEL 5.7 46 LEVEL 5.5		
47	C3	5.5	С	47	RF(2), LEG BOLTS AND LEG S	PLICE IS RUSTED	49 48		
48	C3	5.4	С	48	RF(7), LEG REINFORCING BOLTS		50 LEVEL 5.3 LEVEL 5.2		
49	C2	5.5	L	49	DEEP RUST ON LEG SPLICE		5TH LEVEL 5.1		
50	X-FACE	5.4	0	50	BROKEN LIGHT				
51	C2	5.3	С	51	RF(5), LEG BOLTS		© © © ® © 0 X Y Z		
Sutro Tower				Signatu	re:	Page:3 of4	LEG - C		
San Francisco, CA				File:		Date: 1-11-17			

¹ Item designation: L=leg member, D=diagonal, H=horizontal, C=connection, O=others

Observ.	Location/Identification			Photo					
No.	Column	Elevation	Item ¹	No.	Observation Comm	Observation Comments			
52	Z-FACE	5.3	С	52	ONE GRATING BOLT IS LO	OSE			
53	Y-FACE	5.3	С	53	ONE BOLT IS MISSING FOR OUTSIDE BE	EAM CONNECTION	6TH LEVEL LEVEL 6.3 LEVEL 6.2		
54	Y-FACE	5.3	С	54	DIAGONAL GUSSET IS RUS	STED	LEVEL 6.1 LEVEL 6		
55	C3	5.3 – 5.13	С	55	RF(15), LEG REINFORCEME	ENT BOLTS	LEVEL 5.19		
56	C1	5.2	L	56	LEG IS RUSTED				
57	X-FACE	5.1	С	57	HORIZONTAL GUSSET IS R	RUSTED	SS OF LEVEL 5.17		
							LEVEL 5.15 LEVEL 5.13		
							N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
							LEVEL 5.11		
							NMOOD LEVEL 5.9		
							LEVEL 5.9 LEVEL 5.7		
							55 LEVEL 5.5		
							53 54 52		
							LEVEL 5.3 LEVEL 5.2		
							56 STH LEVEL 5.1 LEVEL 5.1		
							0 2 3 3 0		
							X Y Z		
	Sutro T	ower		Signatu	re: F	Page:4 of4	LEG - C		
San Francisco, CA				File:		Date: 1-11-17			

¹ Item designation: L=leg member, D=diagonal, H=horizontal, C=connection, O=others



Photo 1.JPG 7/11/2016



Photo 2.JPG 7/11/2016



Photo 3.JPG 7/11/2016



Photo 4.JPG 8/8/2016



Photo 5.JPG 8/8/2016



Photo 6.JPG 8/8/2016



Photo 7.JPG 8/8/2016



Photo 8.JPG 8/8/2016

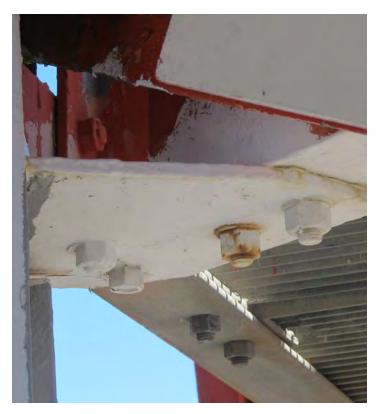


Photo 9.JPG 8/8/2016



Photo 10.JPG 8/8/2016



Photo 11.JPG 8/8/2016

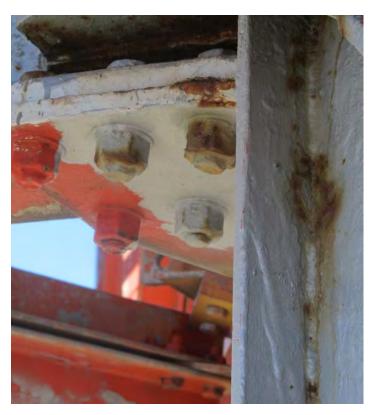


Photo 12.JPG 8/8/2016



Photo 13.JPG 8/8/2016

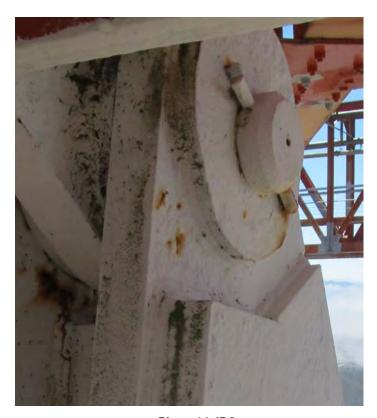


Photo 14.JPG 8/8/2016



Photo 15.JPG 8/8/2016



Photo 16.JPG 8/8/2016



Photo 17.JPG 8/8/2016

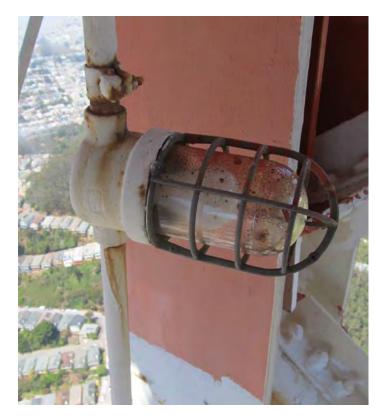


Photo 18.JPG 8/8/2016



Photo 19.JPG 8/8/2016



Photo 20.JPG 8/8/2016



Photo 21.JPG 8/8/2016



Photo 22.JPG 8/8/2016

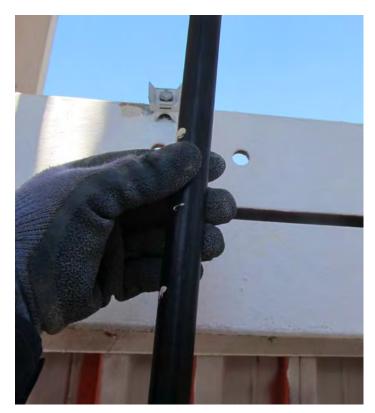


Photo 23.JPG 8/8/2016



Photo 24.JPG 8/8/2016



Photo 25.JPG 8/8/2016



Photo 26.JPG 8/8/2016

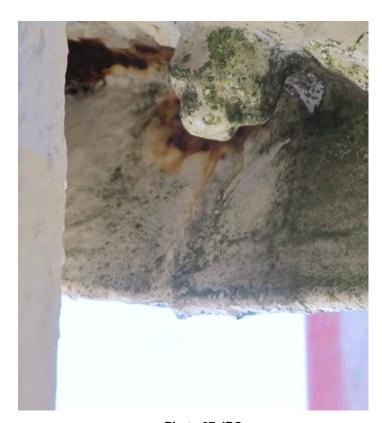


Photo 27.JPG 8/8/2016



Photo 28.JPG 8/8/2016



Photo 29.JPG 8/8/2016



Photo 30.JPG 8/8/2016



Photo 31.JPG 8/8/2016



Photo 32.JPG 8/8/2016

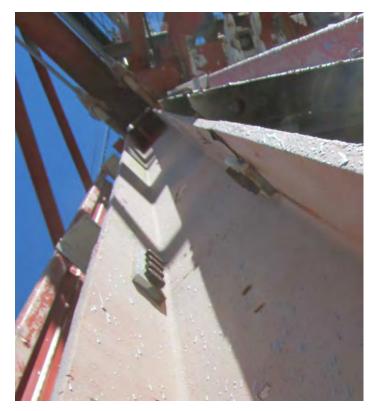


Photo 33.JPG 8/8/2016



Photo 34.JPG 8/8/2016



Photo 35.JPG 8/8/2016



Photo 36.JPG 8/8/2016



Photo 37.JPG 8/8/2016



Photo 38.JPG 8/8/2016



Photo 39.JPG 8/8/2016

Leg C (Level 5 to Level 6)



Photo 40.JPG 8/8/2016



Photo 41.JPG 8/8/2016



Photo 42.JPG 8/8/2016



Photo 43.JPG 8/8/2016

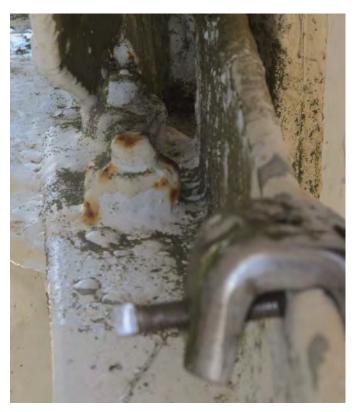


Photo 44.JPG 8/8/2016



Photo 45.JPG 8/8/2016



Photo 46.JPG 8/8/2016



Photo 47.JPG 8/8/2016

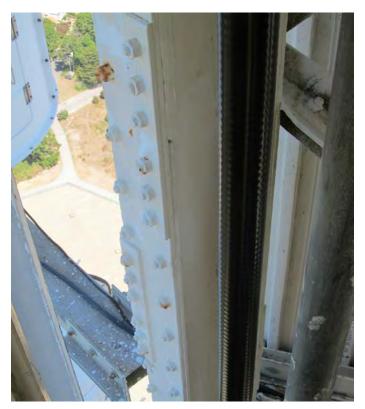


Photo 48.JPG 8/8/2016



Photo 49.JPG 8/8/2016



Photo 50.JPG 8/8/2016



Photo 51.JPG 8/8/2016

Leg C (Level 5 to Level 6)



Photo 52.JPG 8/8/2016



Photo 53.JPG 8/8/2016



Photo 54.JPG 8/8/2016



Photo 55.JPG 8/8/2016



Photo 56.JPG 8/8/2016

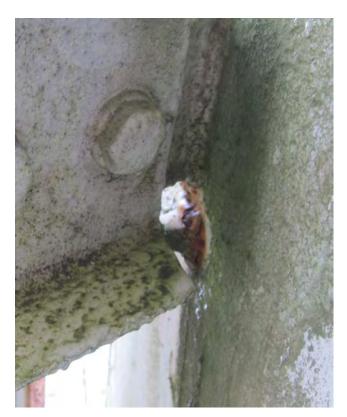


Photo 57.JPG 8/10/2016

Inspection Data Sheet: Antenna Mount Stack "C" (Level 6 to base of antenna)

Observ.	Locat	ion/Identifica	tion	Photo	Observation Community				LEVEL 6.40
No.	Column	Elevation	Item ¹	No.	Observation Comments		14,-0,		LEVEL 6.39
1	Y-FACE	6	0	1	JUNCTION BOX IS MISSING SCREWS				LEVEL 6.36
2	Y-FACE	6	0	2	DAMAGED JACKET FOR FLEX LIN	NE	22'-27/6"		LEVEL 6.34
3	Z-FACE	6	0	3	LOOSE FEED LINE		22	_X_X_	LEVEL 6.32
									LEVEL 6.30
							SPLICES 30'-0"		LEVEL 6.28
							MN SP		LEVEL 6.26
							700		LEVEL 6.24
							BETWEEN COLUMN 15'-0"		LEVEL 6.22
							I ARE BI		LEVEL 6.20
							SHOWN 15'-8"		LEVEL 6.18
							ONS S		LEVEL 6.16 LEVEL 6.14
							DIMENSIONS S		LEVEL 6.14
							29,-0		LEVEL 6.10
									LEVEL 6.8
									LEVEL 6.6
							0-		LEVEL 6.4
							30,		LEVEL 6.2
	Sutro Tower			Signatur	e: Page:_	_1 of1		2 1	LEVEL 6
Sa		cisco, C	A	File:		1-11-17		© x © CO y © S CS ANTENNA MOUNT STA	2

¹ Item designation: L=leg member, D=diagonal, H=horizontal, C=connection, O=others



Photo 01.JPG 7/12/2016



Photo 02.JPG 7/12/2016

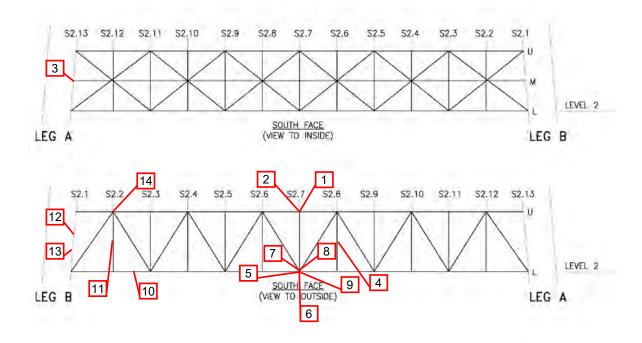


Photo 03.JPG 7/12/2016

Inspection Data Sheet: South Truss (Level 2)

Observ.	Location/Identification			Photo	
No.	Chord ¹	Horiz. Location	Item ²	No.	Observation Comments
1	U	2.7	С	1	IMPROPER HOLES FOR CHANNEL
2	U	2.7	С	2	RUST ON TOP SKIN SUPPORT CHANNEL BOLTS
3	М	2.13	С	3	RF(3)
4	М	2.8	С	4	MINOR RUST ON GUSSET
5	L	2.7	0	5	RF(1), ANTENNA MOUNT BOLT
6	L	2.7	0	6	RF(4), ANTENNA MOUNT BOLTS
7	L	2.7	0	7	LOOSE BOLT FOR ANTENNA MOUNT
8	L	2.7	0	8	RF(4), ANTENNA MOUNT BOLTS
9	L	2.7	0	9	RF(1), ANTENNA MOUNT BOLT
10	L	2.25	0	10	ANTENNA MOUNT BOLTS SHOW MINOR RUST
11	М	2.2	Н	11	MINOR RUST ON SKIN CHANNEL
12	М	2.1	С	12	BEAM CONNECTION BOLT IS MISSING
13	М	2.1	С	13	RF(1)
14	U	2.2	С	14	RF(2)
	Sutro Tower			Signatur	Page:1 of1
Sa	n Franc	cisco, C	4	File:	Date: 1-11-17

¹ Chord member designation: U = upper, M = middle, and L = lower ² Item designation: L=leg member, D=diagonal, H=horizontal, C=connection, O=others



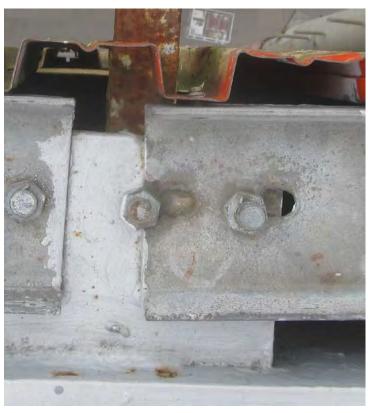


Photo 01.JPG 8/11/2016



Photo 02.JPG 8/11/2016



Photo 03.JPG 8/12/2016



Photo 04.JPG 8/12/2016



Photo 05.JPG 8/12/2016

Photo 06.JPG 8/12/2016



Photo 07.JPG 8/12/2016



Photo 08.JPG 8/12/2016

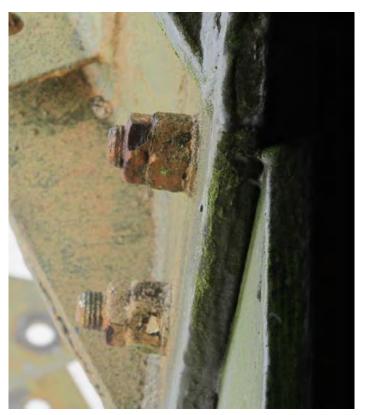


Photo 09.JPG 8/12/2016

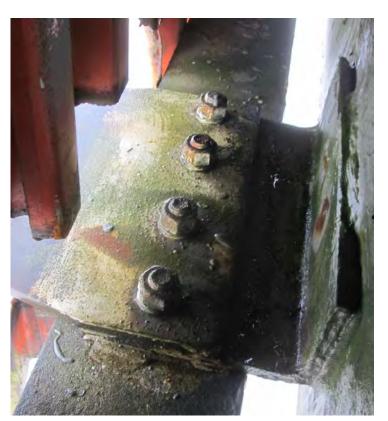


Photo 10.JPG 8/12/2016



Photo 11.JPG 8/12/2016



Photo 12.JPG 8/12/2016







Photo 14.JPG 8/12/2016

Inspection Data Sheet: South Truss (Level 3)

Observ.	Location/Identification		Photo			
No.	Chord ¹	Horiz. Location	Item ²	No.	Observation Comments	
1	М	3.1	0	1	CATWALK HANDRAIL IS MISSING A BOLT	
2	L	3.1	С	2	RF(1)	
3	L	3.9	С	3	NEW BOLTS ARE NOT PAINTED	
4	L	3.9	С	4	RF(5)	
5	L	3.8	Н	5	SKIN SUPPORT CHANNEL IS CUT	
6	L	3.5	L	6	RUST ON VERTICAL	
7	L	3.5	D	7	RUST ON DIAGONAL	
8	L	3.3	Н	8	SKIN SUPPORT CHANNEL IS CUT	
9	L	3.1	С	9	RF(9)	
10	L	3.1	С	10	RF(3)	
11	U	3.1	С	11	RF(4)	
12	U	3.1	Н	12	MINOR RUST ON BEAM	
13	U	3.1	0	13	RUSTED CLIPS ON SAFETY CABLE	
	Sutro	Tower		Signatur	re: Page:1_ of1_	
Sa	n Franc	cisco, C	A	File:	Date: 1-11-17	

¹ Chord member designation: U = upper, M = middle, and L = lower ² Item designation: L=leg member, D=diagonal, H=horizontal, C=connection, O=others

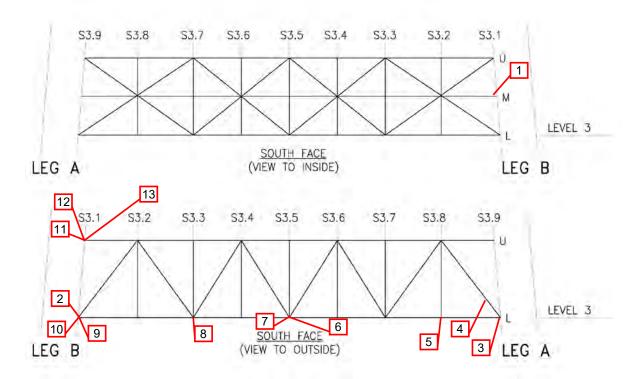




Photo 01.JPG 8/11/2016



Photo 02.JPG 8/11/2016



Photo 03.JPG 8/11/2016



Photo 04.JPG 8/11/2016

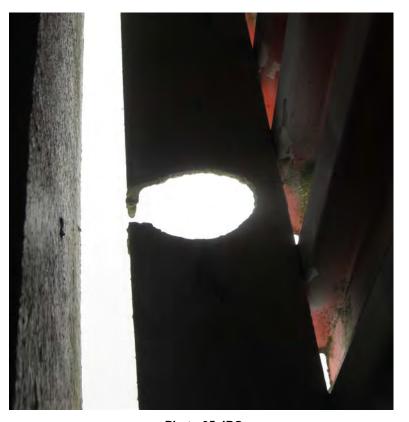


Photo 05.JPG 8/11/2016

Photo 06.JPG 8/11/2016

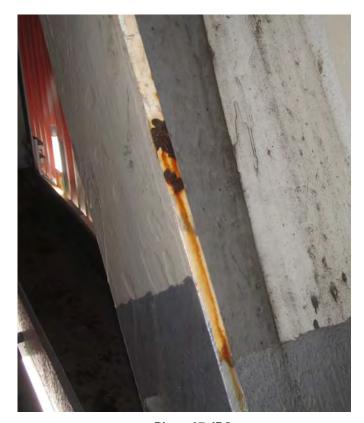


Photo 07.JPG 8/11/2016



Photo 08.JPG 8/11/2016



Photo 09.JPG 8/11/2016



Photo 10.JPG 8/11/2016

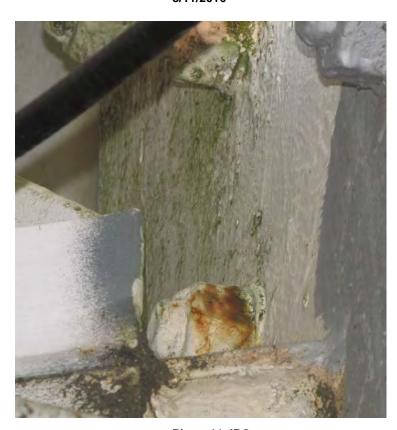


Photo 11.JPG 8/11/2016



Photo 12.JPG 8/11/2016



Photo 13.JPG 8/11/2016

Inspection Data Sheet: South Truss (Level 4)

Observ.	Location/Identification		Photo		
No.	Chord ¹	Horiz. Location	Item ²	No.	Observation Comments
1	U	4.7	С	1	REINFORCING BOLTS ARE NOT PAINTED
2	U	4.7	С	2	RF(1), SKIN SUPPORT ANGLE AND RUSTED GUSSET
3	U	4.4	0	3	LOOSE FEEDLINES
	Sutro Tower			Signatur	e: Page:1_ of1_
Sa	n Franc	cisco, C	4	File:	Date: 1-11-17

¹ Chord member designation: U = upper, M = middle, and L = lower ² Item designation: L=leg member, D=diagonal, H=horizontal, C=connection, O=others

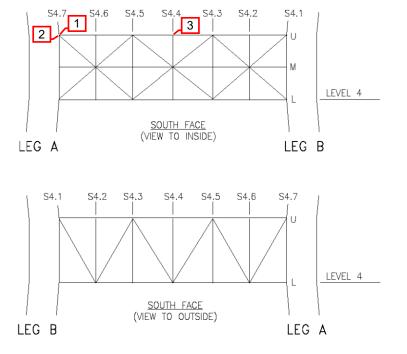






Photo 01.JPG 8/10/2016

Photo 02.JPG 8/10/2016

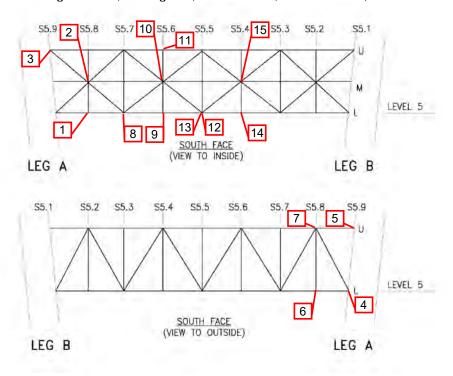


Photo 03.JPG 8/10/2016

Inspection Data Sheet: South Truss (Level 5)

Observ.	Location/Identification			Photo		
No.	Chord ¹	Horiz. Location	Item ²	No.	Observation Com	ments
1	L	5.8	С	1	RF(5)	
2	М	5.8	С	2	RF(1)	
3	U	5.9	С	3	RF(2)	
4	L	5.9	С	4	RF(4)	
5	U	5.9	С	5	RF(7)	
6	L	5.8	С	6	RF(4)	
7	U	5.8	С	7	RF(8)	
8	L	5.7	С	8	RF(5)	
9	L	5.6	С	9	RF(4)	
10	М	5.6	С	10	RF(1)	
11	U	5.6	С	11	RF(2)	
12	L	5.5	С	12	RF(2)	
13	L	5.5	С	13	SHORT BOLTS	
14	L	5.4	С	14	RF(2)	
15	М	5.4	С	15	RF(2)	
	Sutro	Tower		Signatur	e:	Page:1 of3
Sa	n Franc	cisco, C	4	File:		Date: 1-11-17

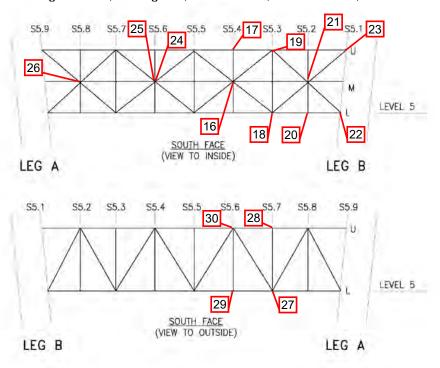
¹ Chord member designation: U = upper, M = middle, and L = lower ² Item designation: L=leg member, D=diagonal, H=horizontal, C=connection, O=others



Inspection Data Sheet: South Truss (Level 5)

Observ.			Photo	01 11 0		
No.	Chord ¹	Horiz. Location	Item ²	No.	Observation Com	iments
16	М	5.4	C	16	RF(2)	
17	U	5.4	С	17	RF(1)	
18	L	5.3	C	18	RF(2)	
19	U	5.3	С	19	RF(4)	
20	L	5.2	С	20	RF(4)	
21	М	5.2	С	21	RF(1)	
22	L	5.1	С	22	RF(1)	
23	U	5.1	С	23	RF(2)	
24	М	5.6	0	24	RUSTED HARDWARE FOR H	ANDRAIL CABLE
25	М	5.6	0	25	RUSTED HANDRAIL CABL	ES
26	М	5.8	0	26	HANDRAIL CABLE IS MISS	ING U-BOLT
27	L	5.7	С	27	RF(7)	
28	U	5.7	С	28	RF(4)	
29	L	5.6	С	29	RF(4)	
30	U	5.6	С	30	RF(7)	
	Sutro	Tower		Signatur	e:	Page:2 of3
Sa	n Franc	cisco, C	4	File:		Date: 1-11-17

¹ Chord member designation: U = upper, M = middle, and L = lower ² Item designation: L=leg member, D=diagonal, H=horizontal, C=connection, O=others



Inspection Data Sheet: South Truss (Level 5)

Observ.	Location/Identification		Photo		
No.	Chord ¹	Horiz. Location	Item ²	No.	Observation Comments
31	U	5.6	0	31	AUXILIARY OMNI ANTENNA
32	L	5.5	С	32	RF(7)
33	U	5.5	C	33	RF(7)
34	L	5.5	0	34	3" LINE JACKET IS DAMAGED
35	L	5.5	С	35	RF(5)
36	L	5.5	Н	36	RUST ON BEAM
37	L	5.1	С	37	RF(10)
38	U	5.1	С	38	RF(7)
39	L	5.4	С	39	RF(4)
40	U	5.4	С	40	RF(14)
41	L	5.3	C	41	RF(4)
42	L	5.2	C	42	RF(3)
43	U	5.2	C	43	RF(8)
44	М	5.65	0	44	RUSTED CONDUIT
	Sutro Tower			Signatur	e: Page:3 of3
Sa	n Franc	cisco, C	4	File:	Date: 1-11-17

¹ Chord member designation: U = upper, M = middle, and L = lower ² Item designation: L=leg member, D=diagonal, H=horizontal, C=connection, O=others

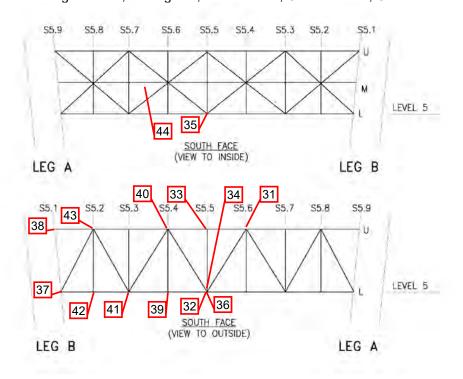




Photo 1.JPG 8/10/2016

Photo 2.JPG 8/10/2016

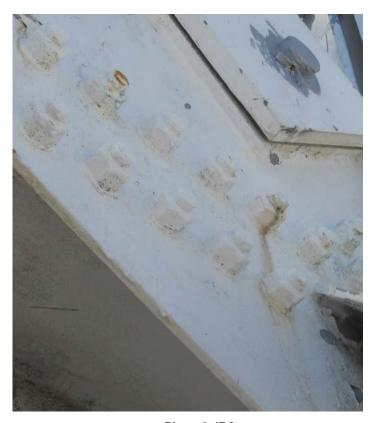


Photo 3.JPG 8/10/2016



Photo 4.JPG 8/10/2016



Photo 5.JPG 8/10/2016



Photo 6.JPG 8/10/2016



Photo 7.JPG 8/10/2016



Photo 8.JPG 8/10/2016



Photo 9.JPG 8/10/2016

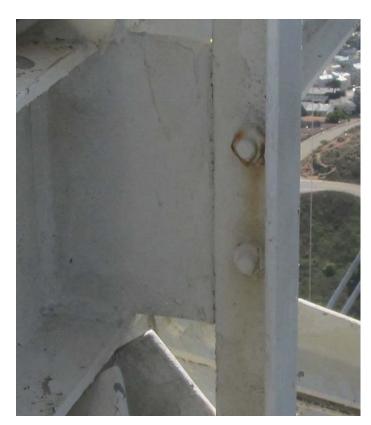


Photo 10.JPG 8/10/2016



Photo 11.JPG 8/10/2016



Photo 12.JPG 8/10/2016



Photo 13.JPG 8/10/2016



Photo 14.JPG 8/10/2016

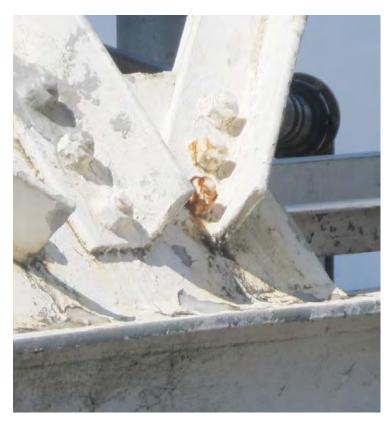


Photo 15.JPG 8/10/2016



Photo 16.JPG 8/10/2016



Photo 17.JPG 8/10/2016

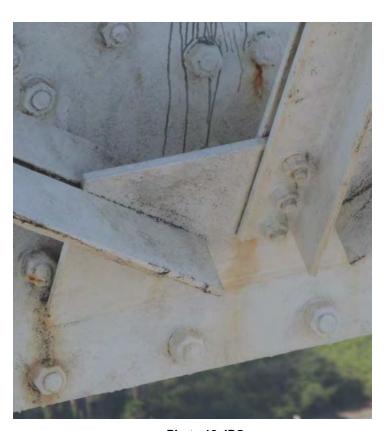


Photo 18.JPG 8/10/2016



Photo 19.JPG 8/10/2016



Photo 20.JPG 8/10/2016



Photo 21.JPG 8/10/2016



Photo 22.JPG 8/10/2016

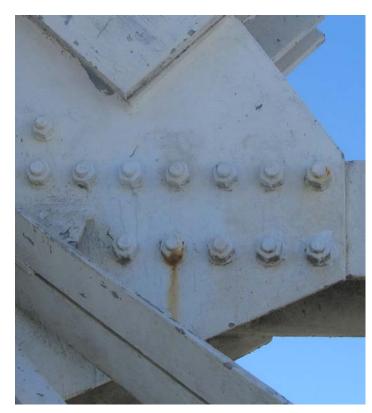


Photo 23.JPG 8/10/2016



Photo 24.JPG 8/10/2016



Photo 25.JPG 8/10/2016



Photo 26.JPG 8/10/2016



Photo 27.JPG 8/10/2016



Photo 28.JPG 8/10/2016



Photo 29.JPG 8/10/2016



Photo 30.JPG 8/10/2016



Photo 31.JPG 8/10/2016



Photo 32.JPG 8/10/2016



Photo 33.JPG 8/10/2016



Photo 34.JPG 8/10/2016



Photo 35.JPG 8/10/2016



Photo 36.JPG 8/10/2016



Photo 37.JPG 8/10/2016

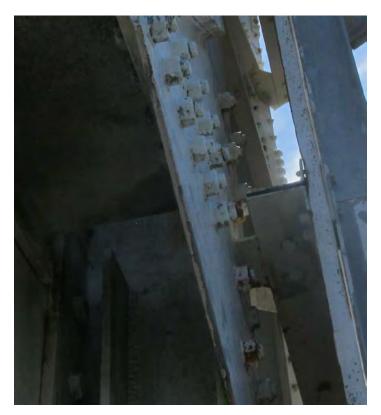


Photo 38.JPG 8/10/2016



Photo 39.JPG 8/10/2016



Photo 40.JPG 8/10/2016

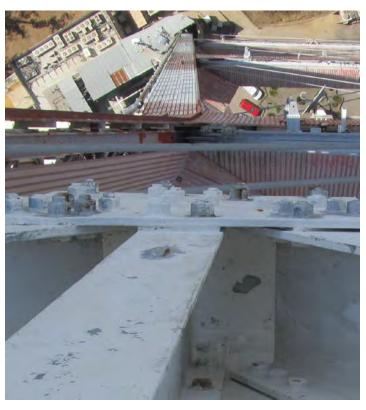


Photo 41.JPG 8/10/2016



Photo 42.JPG 8/10/2016



Photo 43.JPG 8/10/2016



Photo 44.JPG 8/10/2016

Inspection Data Sheet: South Truss (Level 6)

Observ.	Location/Identification		Photo			
No.	Chord ¹	Horiz. Location	Item ²	No.	Observation Comments	
1	IU	6.21	С	1	RUSTED REINFORCEMENT BOLTS (TYPICAL)	
2	IL	6.23	С	2	RF(3)	
3	OL	6.26	С	3	RF(3)	
4	ΟU	6.16	С	4	RF(3)	
5	IU	6.21	С	5	RF(2)	
6	IL	6.155	0	6	RIGID LINE IS NOT SUPPORTED PROPERLY	
7	IL	6.9	С	7	RF(1) AND DIAGONAL IS CUT	
8	IU	6.14	С	8	RF(6)	
9	IU	6.15	0	9	RUSTED SAFETY CABLE AND HARDWARE	
10	IU	6.1	0	10	FLEX LINE JACKET IS DAMAGED FOR FM ANTENNA	
11	IL	6.2	0	11	DAMAGED HANDRAIL	
	Sutro	Tower		Signatur	e: Page:1_ of1_	
Sa	n Franc	cisco, C	4	File:	Date: 1-11-17	

¹ Chord member designation: OU = outer upper, OL = outer lower, IU = inner upper, and IL = inner lower ² Item designation: L=leg member, D=diagonal, H=horizontal, C=connection, O=others

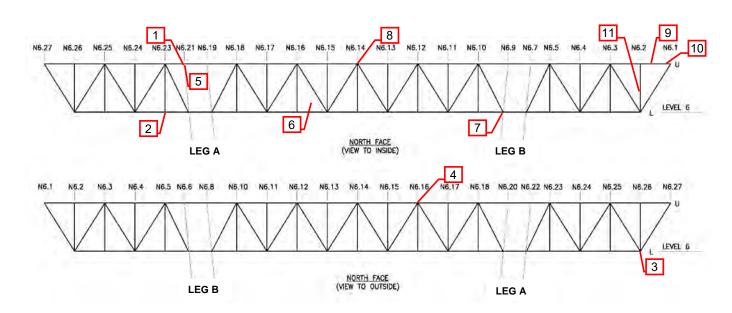




Photo 01.JPG 7/12/2016



Photo 02.JPG 7/12/2016

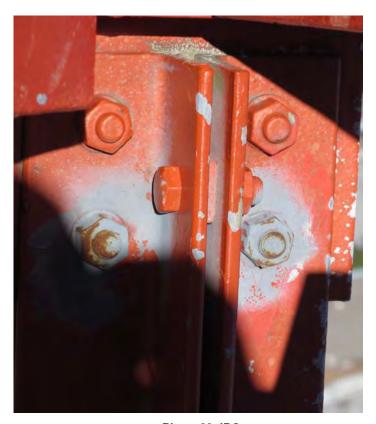


Photo 03.JPG 7/12/2016



Photo 04.JPG 7/12/2016



Photo 05.JPG 7/12/2016



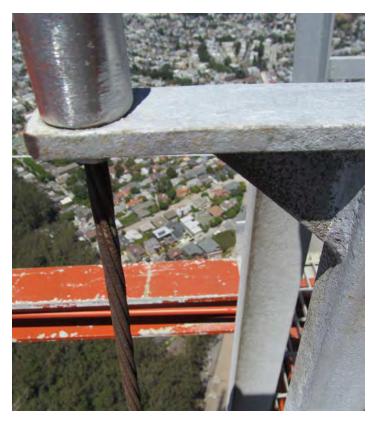
Photo 06.JPG 7/12/2016



Photo 07.JPG 7/12/2016



Photo 08.JPG 7/12/2016



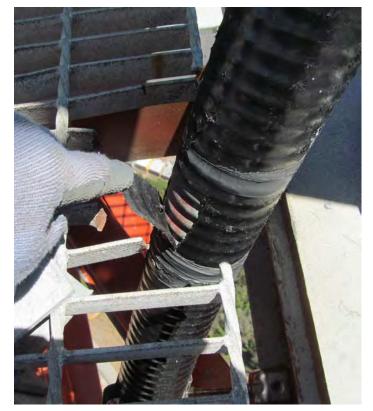


Photo 09.JPG 7/12/2016

Photo 10.JPG 7/12/2016



Photo 11.JPG 7/12/2016

South Truss (Level 6)

Inspection Data Sheet: Strands & Miscellaneous Tower Items

Observ. No.	Location/ Identification ¹	Photo No.	Inspection Comments
1	ALL STRANDS	1	DAMPER SAFETY CABLES ARE RUSTED AND BROKEN
2	STRANDS 5 - 6	2	RUST ON MAIN PIN FOR STRAND AND DAMAGED PIN
3	STACK C WIRES	3	RUSTED GUY HARDWARE
4	STACK C WIRES	4	RUSTED COTTER PIN (TYPICAL)
5	STRANDS 5 - 6	5	TWO COTTER PINS ON LEG A ARE RUSTED
	Sutro Tower	0:	
C-	Sutro Tower	Signatur	
	nn Francisco, CA	File:	Date: 1-11-17

¹ Miscellaneous items for the entire tower in addition to those contained in the column leg and truss forms.



Photo 01.JPG 8/8/2016

Photo 02.JPG 8/15/2016



Photo 03.JPG 8/12/2016



Photo 04.JPG 8/12/2016



Photo 05.JPG 8/8/2016

Strands, Misc.

Inspection Data Sheet: Bases & Miscellaneous Tower Items

Observ. No.	Location/ Identification ¹	Photo No.	Inspection Comments
1	LEG B	1	WATER POOLING IN LEG GUSSET
2	LEG B	2	MINOR RUST ON ANCHOR BOLTS
3	LEG B	3	GROUNDING STRAP ANCHOR BOLTS ARE SEVERELY RUSTED
4	LEG B	4	AUXILIARY CONDUIT AND JUNCTION BOXES ARE RUSTED
5	LEG B	5	MINOR RUST ON LEG
6	LEG B	6	WATER POOLING ON STEEL
7	LEG B	7	MINOR RUST ON BOLTS
8	LEG B	8	MINOR RUST ON BASEPLATE
9	LEG B	9	MINOR RUST ON STIFFENER PLATES
10	LEG B	10	MINOR RUST ON STRAND GUSSET
11	LEG B	11	CUT FEEDLINE AT TOWER BASE
12	LEG A	12	SMALL COTTER PIN IS MISSING
13	LEG A	13	RF(1)
14	LEG A	14	RF(1)
15	LEG A	15	RUST ON BASEPLATE
16	LEG A	16	RUST ON ANCHOR BOLT
17	LEG C	17	RUST ON GUSSET
18	LEG C	18	CRACKED CONCRETE ON CEILING
19	LEG C	19	CRACKED CONCRETE FOR WALL
	Sutro Tower	Signatur	e: Page:1_ of1_
Sa	n Francisco, CA	File:	Date: 1-11-17

¹ Miscellaneous items for the entire tower in addition to those contained in the column leg and truss forms.



Photo 1.JPG 8/12/2016



Photo 2.JPG 8/12/2016



Photo 3.JPG 8/12/2016

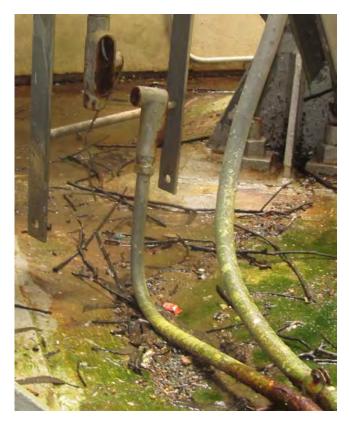


Photo 4.JPG 8/12/2016



Photo 5.JPG 8/12/2016



Photo 6.JPG 8/12/2016

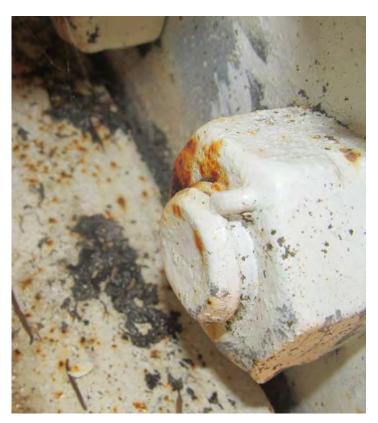


Photo 7.JPG 8/12/2016



8/12/2016



Photo 9.JPG 8/12/2016



Photo 10.JPG 8/12/2016



Photo 11.JPG 8/12/2016



Photo 12.JPG 8/12/2016



Photo 13.JPG 8/12/2016



Photo 14.JPG 8/12/2016



Photo 15.JPG 8/12/2016



Photo 16.JPG 8/12/2016

Bases, Misc



Photo 17.JPG 8/10/2016



Photo 18.JPG 8/10/2016

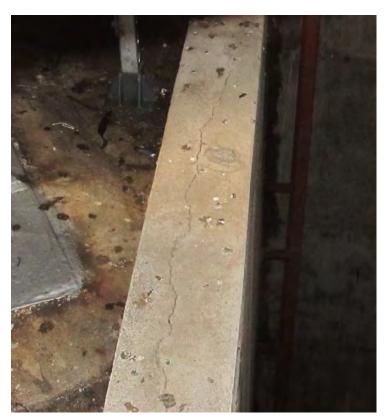


Photo 19.JPG 8/10/2016