

February 11, 2015

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 <u>TCI Project Number 14.082.001</u>

Dear Mr. Dausman,

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

Authorization / Purpose:

Tower Consultants Incorporated was retained by Sutro Tower Company 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 A, the north face trusses, the strands and the bases and stack A above the 6th level.

The tower is located in San Francisco, California. J. Altmyer, P.E. & Y. Kabatski performed the site observations between May 2014 and November 2014.

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. There are some areas on the faces and legs that were covered by skin and could not be inspected.

The structural elements of the tower appear to be in fair condition but with completion of the recommended actions below, we anticipate the elements will be improved to a good condition. The structural beams at levels 2 and 3 were recently cleaned and painted. There are areas of the tower where rust has formed on the tower member surfaces. Minor to medium rust was seen on gusset plates between levels 1 and 4. We recommend that these areas be scraped

Tower Consultants, Inc.

and painted during the next maintenance project. Many diagonal connections to leg members have drain holes that are plugged causing standing water that will lead to rusted steel. These connections should be power washed by Sutro personnel and the drain holes unplugged and inspected next year to evaluate their condition. There are many corroded fasteners throughout the tower height. A criteria has been developed for replacing nuts or bolts. Approximately 1,000 bolts were replaced in 2014 and many others were cleaned and painted. Inspection and evaluation of the nuts and bolts should be continued in 2015. If the nuts or bolts meet the acceptance criteria specified by Simpson Gumpertz & Heger Inc. 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.

The tower skin showed no distress. The strands and guy wires are in good condition and are properly tensioned.

The tower bases are in good condition. The exposed surfaces of the concrete foundation at the tower base are in good condition. The tower base is properly grounded.

The climbing facilities and platforms were secure and appear to be in good condition with the exception of the rusted catwalk hardware and the missing handrail cable on level six which has been referred to the Sutro Tower crew for replacement.

The elevator cable keepers show major rust. Some of the elevator cable keepers and guides have been replaced and the rest of them should be cleaned and painted during the next maintenance project.

The elevator system is maintained by the state licensed Bleyle Elevator Company.

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.
- One of the junction box covers has a loose bolt.

This maintenance work has been referred to Sutro personnel.

The antennas, transmission lines and associated mounting hardware appear to be in good condition with the exception of some rusted cable support U-bolts.

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

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

Inspection Summary – Year 2015

Description of Inspection:

- Routine inspection of Leg A
- Routine inspection of horizontal levels on North face
- Routine inspection of strands on North face
- Routine inspection of strand anchors on Leg A
- Routine inspection of base all legs

Special or In-Depth Inspections:

Summary of Results:

Rusted fasteners, rusted members and some rusted gussets. There are leg gussets that have drain holes that are plugged which retains water. A handrail cable is missing on level 6 and there is rusted catwalk hardware. Rusted conduit and conduit hardware and junction boxes. A junction box has a loose bolt. There is major rust on the elevator cable keepers. Some cable support U-bolts are rusted.

Summary of Recommendations: See report text

Checklist:

- Has a severe event occurred since the previous inspection ?
- es (No)
- Have action items and recommendations from previous inspections been addressed in the scope of work ? Yes (No)
- Has the inspection log for future years been revised to account for scope of work and findings of this inspection ? Yes (No)

Signature:	Jeff attrayer	
Date:	119115	

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

"A"

Observ.	Locat	ion/Identifica	tion	Photo	Observation Commants	
No.	Column	Elevation	ltem ¹	No.	Observation Comments	LEVEL 6.38
					NO DISTRESS NOTED FOR THE	
	* -				ANTENNA MOUNT STACK "A"	199 171 172 173 173 175 175 175 175 175 175 175 175 175 175
					BECAUSE IT WAS RECENTLY	
		-			CLEANED AND PAINTED	
	· ·					
		····				Ei 10 Ei 10
			1. 1.			
-				- 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10		
				:		
			·			
	Sutro	Tower		Signatu	Page: of	
Sá	San Francisco, CA		File:	Date: 1 9 1 5	ANTENNA MOUNT STACK "C"	

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

1

Inspection Data Sheet: Leg A (Level 5 to Level 6)

Observ.	Locatic	on / Identifica	tion	Photo	Observation Com	mente	
No.	Column	Elevation	ltem ¹	No.			
1	AI	6	С	1	RF(3), LEG BOLTS		
2	AZ	6	С	Z	RF(Z), LEG BOLTS		
3	A3	6	С	3	RF (3), LEG BOLTS		IN LOG
4	X-FACE	6	0	4	JUNCTION BOX HAS ONE	E LODSE BOLT	
5	AI	6	C	5	MAIN GUSSET PLATE	15 RUSTED	2 6 3 101.11
6	Y-FACE	6	C	6	RF(Z), DIAGONAL B	OLTS	
7	X-FACE	5.16	С	7	MINOR RUST ON LEG	SPLICE BOLTS	
8	ALL FACES	56	0	8	DRAINAGE HOLES NEED	TO BE CLEANED	T3 TC MARSH
9	ALL FACES	5.15	С	9	MINOR RUST ON DIAG.	& HORIZ CONN, BOLTS	The second second
10	CENTER	5.15	0	10	MAJOR RUST ON ELEVA	MAJOR RUST ON ELEVATOR CABLE KEEPERS	
11	X-FACE	5.15	с	11	RF(1), HORIZONTAL	BOLT	
12	Y-FACE	5.14	С	12	RF(1), DIAGONAL F	30LT	
13	Y-FACE	5.14	0	13	(2) 15% CABLE SUPPORT U	I-BOLTS ARE RUSTED	
14	Y-FACE	5.14	С	14	RF(1), DIAGONAL B	OLT	<u>ଭ</u> ତ୍ତ ଭତ୍ତ x y z
15	Z-FACE	5.13	C	15	RF(2), HORIZONTAL	RF(2), HORIZONTAL BOLTS	
16	Y-FACE	5.13	С	16	RF(1), DIAGONAL BOLT		
17	AI	5.10	С	17	RF(1), LEG BOLT		
Sutro Tower		Signature		Page: of			
	San Fran	ncisco, CA	1	File:		Date: 1 9 1 1 5	and the second

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

p. No

9 100.511 12901 5.17 100.74

Inspection Data Sheet: Leg A (Level 5 to Level 6)

Observ.	Locatio	cation / Identification		Photo	Photo Observation Comments	
No.	Column	Column Elevation		No.	Observation Comments	
18	Z-FACE	5.10	0	18	RUSTED JUNCTION BOX	
19	A3	5.8	C	19	RF(10), LEG BOLTS	
20	Y-FACE	5.8	с	20	RE(I), DIAGONAL BOLT	
21	Z-FACE	5.9	С	21	RF(2), DIAGONAL BOLT	
22	Z-FACE	5.7	с	22	RF(3), DIAGONAL BOLT	URLM
23	Z-FACE	5.5	С	23	RF(2), DIAGONAL BOLT	
24	Z-FACE	5.4	с	24	RF(6), LEG BOLTS	
25	AZ	5.4	С	25	RF(2), LEG BOLTS	
26	AI	5.3	С	26	RF(5), LEG BOLTS	
27	AZ	5.3	с	27	RF(3), LEG BOLTS	
28	AI	5.3	С	28	GUSSET PLATE IS RUSTED	22 25 27 uni s
						3m.100. (21) 244 24
						<u>ଡ</u> ଡ ଡଡ x y z
						LEG-@
				-		
	-		1			
	Sutro Tower		Signature	: Page: <u>2</u> of	2	
	San Frai	ncisco, C/	4	File:	Date: 1 9 1	5

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

1.



Photo 01.JPG 8/27/2014

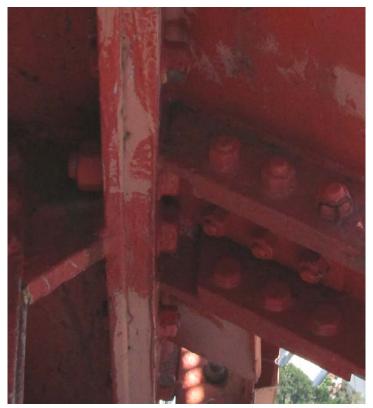


Photo 02.JPG 8/27/2014

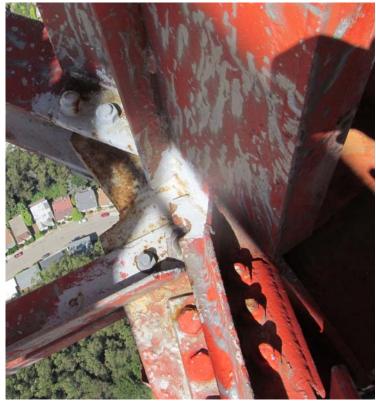


Photo 03.JPG 8/27/2014



Photo 04.JPG 8/27/2014



Photo 05.JPG 8/27/2014



Photo 06.JPG 8/27/2014



Photo 07.JPG 8/27/2014



Photo 08.JPG 8/27/2014

Sutro Tower



Photo 09.JPG 8/27/2014

Photo 10.JPG 8/27/2014



Photo 11.JPG 8/27/2014



Photo 12.JPG 8/27/2014



Photo 13.JPG 8/27/2014



Photo 14.JPG 8/27/2014



Photo 15.JPG 8/27/2014



Photo 16.JPG 8/27/2014

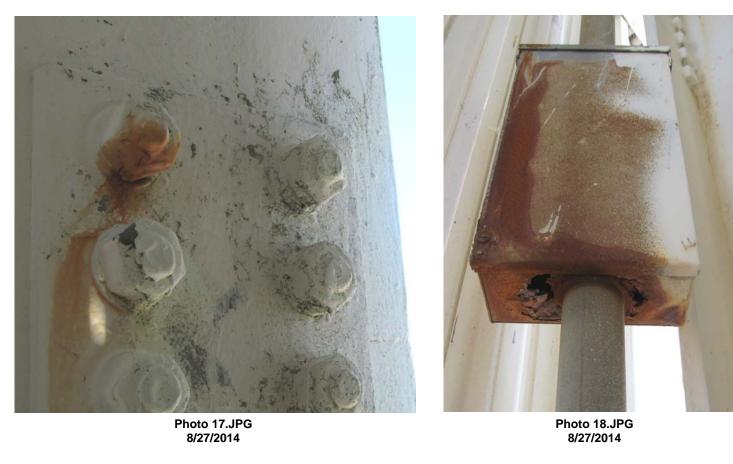




Photo 19.JPG 8/27/2014



Photo 20.JPG 8/27/2014



Photo 21.JPG 8/27/2014



Photo 22.JPG 8/27/2014



Photo 23.JPG 8/27/2014



Photo 24.JPG 8/27/2014



Photo 25.JPG 8/27/2014



Photo 26.JPG 8/27/2014



Photo 27.JPG 8/27/2014



Photo 28.JPG 8/27/2014

Inspection Data Sheet: Leg A (Level 4 to Level 5)

5

Observ.	Location / Identification		Photo				
No.	Column	Elevation	item ¹	No.	Observation Com		
1	A3	5	С	1	MANY BOLTS FOR LEG UP	GRAPE ARE RUSTED	
2	Y-FACE	4.19	С	2	RF(2), DIAGONAL BO	LTS	Ū
3	Y-FACE	4.19	С	3	RF(Z), HORIZONTAL	BOLTS	Sin LEVEL [[2]]] I was
Ч	X-FACE	4.17	С	Ч	RF(9), LEG BOLTS		
5	Z-FACE	4.19	С	5	RF(3), DIAGONAL BOL	TS	H G G M I
6	Z-FACE	4.16	С	6	RF(2), DIAGONAL BOLT	5	
7	Z-FACE	4.15	С	7	RE(1), DIAGONAL BOL	-73	
8	Y-FACE	4.16	С	8	RF(2), DIAGONAL B	OLTS	
9	Y-FACE	4.17	<u> </u>	9	RF(3), DIAGONIAL B	OLTS	
10	X-FACE	4.13	C	10	RF(Z), HORIZONTAL	BOLTS	
11	Z-FACE	4.13	с	11	RF(1), DIAGONAL B	DLT	
12	Z-FACE	4.13	c	12	RF (2), HORIZONTAL	30LTS	
13	Y-FACE	4.13	<u>c</u>	13	RF(2), SKIN SUPPORT	ANGLE BOLTS	
14	X-FACE	4.1z	<u>c</u>	14	RF(1), DIAGONAL BI		
15	Z-FACE	4.11	С	15	RF(2), HORIZONTAL		
16	A3	4.10	c	16	RF(T), LEG BOLTS	LEG-Q	
17	AZ	4.10	C	17	RF(Z), LEG BOLTS		
Sutro Tower S				Signature	:	Page: of	-
	San Fran	cisco, CA		File:		Date: 1915	

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

1

Inspection Data Sheet: Leg A (Level 4 to Level 5)

Observ.	Locatio	Location / Identification		Photo	Photo			
No.	Column	Elevation	ltem ¹	No.	Observation Comments			
18	A3-	4.9	С	18	RF(2), HORIZONTAL B			
19	AI	Ч.9	С	19	RF(2), HORIZONTAL BOI	<u>_T\$</u>		
20	AZ	4.9	С	20	RF(1), HORIZONTAL BOI			
21	Z-FACE	4.8	С	21	RF(2), DIAGONAL BOLTS			
22	Y-FACE	4.7	с	22	RF(1), HORIZONTAL BOL	T		
23	Y-FACE	4.7	с	23	RF(2), HORIZONTAL BOLTS	· · · - · · · · · · · · · · · · · · · ·		
24	Z-FACE	4.5	С	24	RF(4), DIAGONAL BOLTS			
25	Z-FACE	4.4	С	25	RF(2), DIAGONAL BOLTS			
2.6	Z-FACE	4.3	c	26	RF(Z), HORIZONTAL BOLT	19 10 10 10 10 10 10 10 10 10 10		
27	Z-FACE	4.2	c	27	RF(3), DIAGONAL BOLTS	, >	22 (21) UN 47 - (24)	
28	AZ	4.5	c	28	RUSTED GUSSET PLATE		28 25 24	
29	AI	4.3	c	29	RUSTED GUSSET PLATE		29 25 un 24 27	
						·	ଈ ଛ ଅ ଅ ଅ ଅ ଅ ଅ ଅ ଅ ଅ ଅ ଅ ଅ ଅ ଅ ଅ ଅ ଅ ଅ	
							LEG-A	
	Sutro Tower Sign		Signature	Page:	2_ of _2			
	San Fran	cisco, CA		File:	Date:	1 9 1 1 5		

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

li se



Photo 01.JPG 8/27/2014



Photo 02.JPG 8/27/2014



Photo 03.JPG 8/27/2014



Photo 04.JPG 8/27/2014



Photo 05.JPG 8/27/2014



Photo 06.JPG 8/27/2014



Photo 07.JPG 8/27/2014



Photo 08.JPG 8/27/2014



Photo 09.JPG 8/27/2014



Photo 10.JPG 8/27/2014



Photo 11.JPG 8/27/2014



Photo 12.JPG 8/27/2014



Photo 13.JPG 8/27/2014



Photo 14.JPG 8/27/2014



Photo 15.JPG 8/27/2014



Photo 16.JPG 8/27/2014



Photo 17.JPG 8/27/2014



Photo 18.JPG 8/27/2014



Photo 19.JPG 8/27/2014



Photo 20.JPG 8/27/2014



Photo 21.JPG 8/27/2014





Photo 23.JPG 8/27/2014



Photo 24.JPG 8/27/2014



Photo 25.JPG 8/27/2014



Photo 26.JPG 8/27/2014



Photo 27.JPG 8/27/2014



Photo 28.JPG 8/27/2014



Photo 29.JPG 8/27/2014



Observ. Location /		n / Identification		Location / Identification		Photo	Observation Comm		(D. a)
No.	Column	Elevation	ltem ¹	No.	Observation Comments				
1	X-FACE	4	с	1	RF(1), HORIZONTAL	BOLT			
2	X-FACE	4	с	2	RF(1), HORIZONTAL I	BOLT	UNL 3.30		
3	Y-FACE	3.28	С	3	RF(2), HORIZONTAL	BOLTS	<u>19138</u>		
Ч	AI	3.28	С	4	RUST ON GUSSET PI	LATE			
5	Y-FACE	3.18	c	5	RF(1), HORIZONTAL	BOLT	UNI 138		
6	Z-FACE	3.23	с	6	RF(1), DIAGONAL E	BOLT	6. <u>100.17</u>		
7	Z-FACE	3.17	С	7	RF(3), DIAGONAL BI	OLTS			
8	Y-FACE	3.13	С	8	RF(4), DIAGONAL BI				
			ļ		· · · · · · · · · · · · · · · · · · ·				
			<u> </u>			and the second secon			
				ļ	3				
							Jaina Was		
						ା ଜନ୍ମ କର ଜନ୍ମ କର୍ମ କର୍ମ			
	Sutro Tower		Signature		Page: of	LEG-A			
San Francisco, CA		File:		Date: 1 9 15					

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

į.



Photo 01.JPG 8/28/2014



Photo 02.JPG 8/28/2014



Photo 03.JPG 8/28/2014





Photo 04.JPG 8/28/2014



Photo 05.JPG 8/28/2014



Photo 06.JPG 8/28/2014

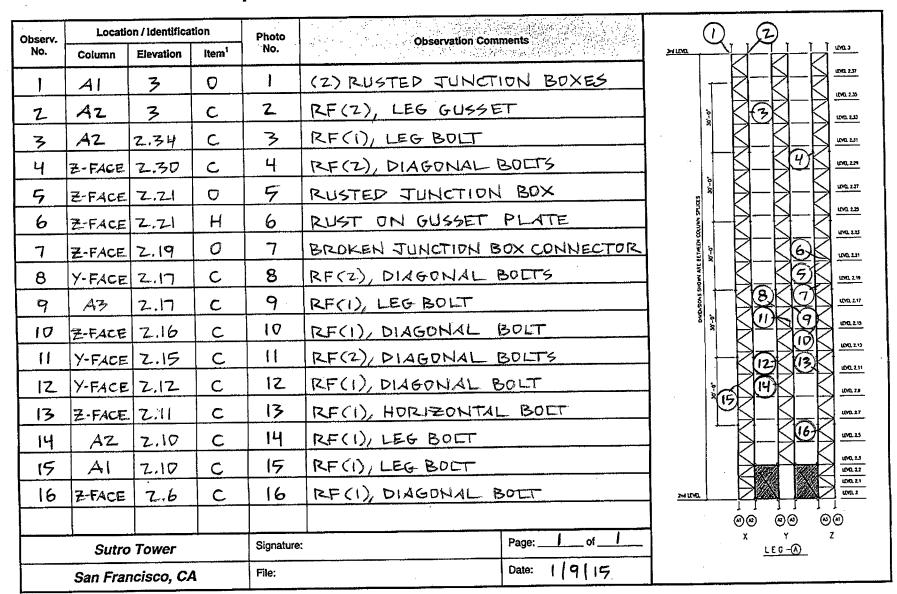


Photo 07.JPG 8/28/2014



Photo 08.JPG 8/28/2014

Inspection Data Sheet: Leg A (Level 2 to Level 3)



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

j. Te



Photo 01.JPG 8/28/2014



Photo 02.JPG 8/28/2014



Photo 03.JPG 8/28/2014



Photo 04.JPG 8/28/2014



Photo 05.JPG 8/28/2014



Photo 06.JPG 8/28/2014



Photo 07.JPG 8/28/2014



Photo 08.JPG 8/28/2014

Sutro Tower



Photo 09.JPG 8/28/2014





Photo 11.JPG 8/28/2014



Photo 12.JPG 8/28/2014



Photo 14.JPG 8/28/2014



Photo 13.JPG 8/28/2014



Photo 15.JPG 8/28/2014



Photo 16.JPG 8/28/2014

Inspection Data Sheet: Leg A (Level 1 to Level 2)

Observ.	Observ. Locatic		on / Identification		Observation Comments	\bigcirc
No.	Column	Elevation	Item ¹	No.	USS RAID AND A	260LDQ
1	X-FACE	2	D	ł	TWO RUSTED JUNCTION BOX CONNECTIONS	2 LOIL 1.31
2	Y-FACE	1.32	С	2	RF(1), DIAGONAL BOLT	. 3 UR 13
3	Y-FACE	1.29	С	3	RF(2), PLAGONAL BOLTS	
4	Y-FACE	1.18	С	4	RF(3), DIAGONAL BOLTS	
5	Z-FACE	1.17	0	5	RUST ON CONDUCT	5
6	Y-FACE	1.13	0	6	RUST ON CONDUCT CONNECTION	
7	Y-FACE	1.8	С	7	RUSTED GUSSET	
8	Z-FACE	1.7	0	8	RUSTED CONDUCT	
9	Y-FACE	1.7	С	9	RE(1), DIAGONAL BOLT	
10	Z-FACE	1.2	c	10	RF(I), DIAGONAL BOLT	
		\$				
						<u>00</u> 00 00
		-				x y Z
	Sutro Tower		Signature	e: Page: of	LEG-Q	
	San Francisco, CA		4	File:	Date: 1 9 15	

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

i s



Photo 01.JPG 8/28/2014

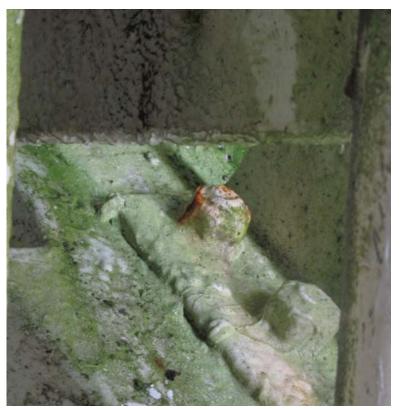


Photo 02.JPG 8/28/2014

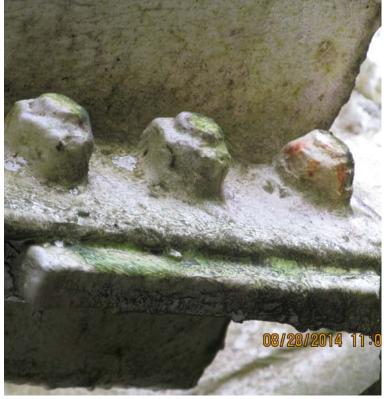


Photo 03.JPG 8/28/2014



Photo 04.JPG 8/28/2014



Photo 05.JPG 8/28/2014



Photo 06.JPG 8/28/2014



Photo 07.JPG 8/28/2014



Photo 08.JPG 8/28/2014



Inspection Data Sheet: North Truss (Level 6)

	Locatio	n / Identificati	on	Photo		
Observ. No.	Chord ¹	Horiz. Location	ltem ²	No.	Inspection Comments	
1	IL	6.8-6.19	0	1	A HANDRAIL CABLE IS MISSING	
			<u> </u>			
-					Bogoi L of L	
l	Sutro Tower				Page: of	
	San Francisco, CA				Date: 19115	

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



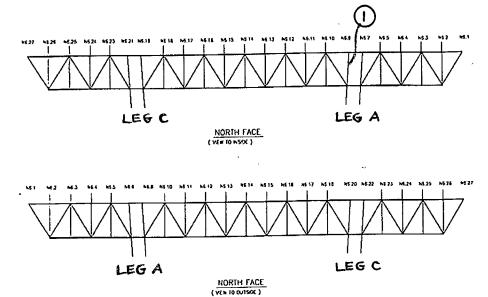




Photo 01.JPG 9/23/2014

Inspection Data Sheet: North Truss (Level 5)

	Location / Identification			Photo	Inspection Comments
Observ. No.	Chord ¹	Horiz. Location	ltem ²	No.	Inspection Comments
1	L	5.2	С	1	RF(4)
2	L	5.3	С	2	RF(2)
3	L	5.5	С	3	RF(2)
4	U	5.9	C	Ч	RF(3)
5	υ	5.7	C	5	RF(3)
6	L	5.2	0	6	CATWALK HANDRAIL HARDWARE IS RUSTED
;					
•					
		1	1		
	<u> </u>				
			1		
	Sutro Tower			Signature	e: Page: of
	San Francisco, CA			File:	Date: 119115

¹ Chord member designation: U = upper, M = middle, and L = lower² Item designation: H = horizontal, V = vertical, D = diagonal, C = connection, and O = others

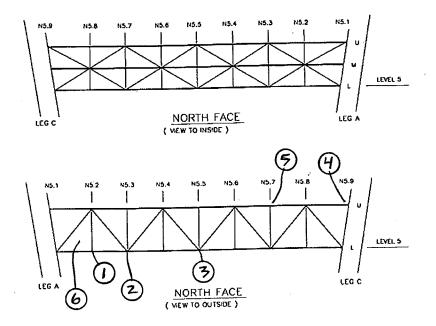




Photo 01.JPG 8/27/2014



Photo 02.JPG 8/27/2014



Photo 03.JPG 8/27/2014



Photo 04.JPG 8/27/2014



Photo 05.JPG 8/27/2014

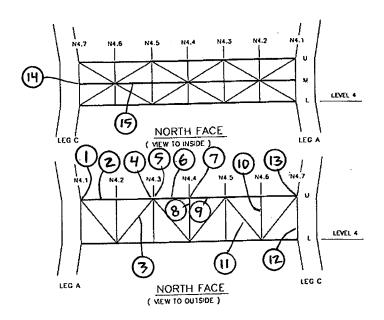


Photo 06.JPG 8/27/2014

Inspection Data Sheet:	North Truss	(Level 4)
------------------------	-------------	-----------

	Location / Identification			Photo	Inspection Comments	
Observ. No.	Chord ¹	Horiz. Location	ltem ²	No.		
1	U	4.1	° C	1	RF(5)	
2	U	4.15	н	Z	RUST ON BEAM	
3	D	4.25	Δ	3	RUST ON BEAM	· · · · · · · · · · · · · · · · · · ·
4	U	4.3	н	Ч	RUST ON BEAM	
5	U	4.3	С	5	RF(3)	and the second
6	Ú	4.35	н	6	RUST ON BEAM	·····
7	U	4.4	С	7	RF(1)	
8	V	4.4	V	8	RUST DN BEAM	
9	U	4.45	Н	9	RUST ON BEAM	
10	V	4.6	\vee	10	RUST ON BEAM	
11	D	4.55	D	11	RUST ON BEAM	
12	\vee	4.7	\vee	12	RUST ON BEAM	
13	U	4.7	С	13	RF(7)	
14	M	4.7	Н	14	RUST ON BEAM	
15	M	4.55	Н	15	RUST ON BEAM	E
	Sutro Tower			Signature		Page: _1of _2
	San Francisco, CA			File:		Date: 19115

¹ Chord member designation: U = upper, M = middle, and L = lower² Item designation: H = horizontal, V = vertical, D = diagonal, C = connection, and O = others



Inspection Data Sheet: North Truss (Level 4)

	Location / Identification			Photo	
Observ. No.	Chord ¹	Horiz. Location	ltem ²	No.	Inspection Comments
16	M	4.45	Н	16	RUST ON BEAM
17	М	Ч.Ч	Н	17	RUST ON BEAM
18	Μ	4.35	н	18	RUST ON BEAM
19	Μ	4.3	Н	19	RUST ON BEAM
20	Μ	4.2	H	20	RUST ON BEAM
21	Μ	4.1	Н	21	RF (3) AND RUST ON BEAM
	Sutro Tower			Signature	Page: <u>2</u> of <u>2</u>
San Francisco, CA				File:	Date: 1 9 1 15

 $\mathcal{F} = \begin{pmatrix} \mathcal{F} \\ \mathcal{F} \end{pmatrix}$

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

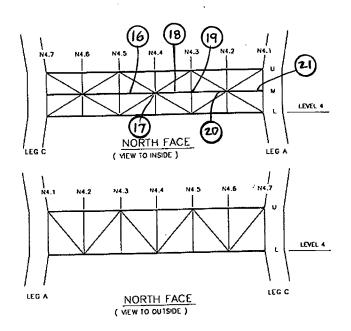




Photo 01.JPG 9/23/2014



Photo 02.JPG 9/23/2014



Photo 03.JPG 9/23/2014



Photo 04.JPG 9/23/2014



Photo 05.JPG 9/23/2014



Photo 06.JPG 9/23/2014



Photo 07.JPG 9/23/2014



Photo 08.JPG 9/23/2014



Photo 09.JPG 9/23/2014



Photo 10.JPG 9/23/2014



Photo 11.JPG 9/23/2014



Photo 12.JPG 9/23/2014



Photo 13.JPG 9/23/2014



Photo 14.JPG 9/23/2014



Photo 15.JPG 9/23/2014



Photo 16.JPG 9/23/2014



Photo 17.JPG 9/23/2014



Photo 18.JPG 9/23/2014



Photo 19.JPG 9/23/2014



Photo 20.JPG 9/23/2014



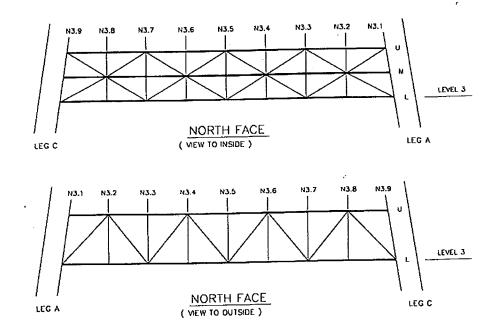
Photo 21.JPG 9/23/2014

Inspection Data Sheet: North Truss (Level 3)

	Location / Identification			Photo		
Observ. No.	Chord ¹	Horiz. Location	ltem ²	No.	Inspection Comments	
					NO DISTRESS NOTED FOR	
					THE CHORDS BECAUSE THEY	
	· · · · · · · · · · · · · · · · · · ·				WERE RECENTLY CLEANED AND	
					PAINTED	
			1			
			1			
				<u> </u>		
			1			
			+			
	Sutro Tower		Signature	: Page: of		
	San Fran	cisco, CA		File:	Date: 19115	

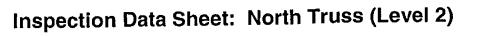
5 (°)

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



in ?

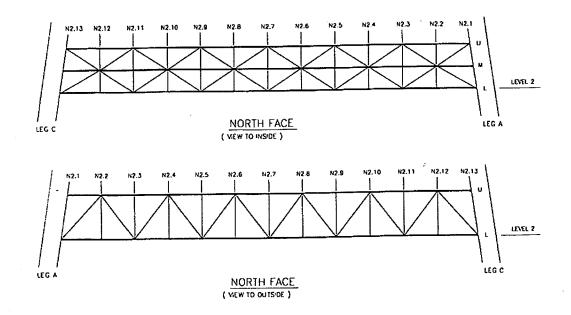
Page 49 of 51



	Location / identification			Photo		
Observ. No.	Chord ¹	Horlz. Location	Item ²	No.	Inspection Comments	
					NO DISTRESS NOTED	FORTHE
					CHORDS BECAUSE T	HEY
					WERE RECENTLY CLEAN	IED AND
			1		PAINTED	
						,,,,,,,,
			1			
			1			
			-			
	<u> </u>		-			
<u> </u>	Sutro	Tower	!	Signature	· ·	Page:of
		cisco, CA		File:	<u>م میں میں میں میں میں میں میں میں میں می</u>	Date: 19115

ŝ

¹ Chord member designation: U = upper, M = middle, and L = lower² Item designation: H = horizontal, V = vertical, D = diagonal, C = connection, and O = others



₩.8

Dbserv. No.	Location / Identification ¹	Photo No.	Inspection Comments
			NO DISTRESS NOTED
	····		
	<u></u>		
		-	
	····		
_			
	n		
			х г т
i			
	Suite Towar	Signature	: Page: of
Sutro Tower San Francisco, CA		File:	Date: 1/9/15

(

 $\mathcal{F} \left(\begin{array}{c} \\ \end{array} \right)$

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

- A

BA5€ ∉ Inspection Data Sheet: Miscellaneous Tower Items

Location / Identification ¹	Photo No.	Inspection Comments
		NO DISTRESS NOTED FOR THE
		BASES BECAUSE THEY WERE
		RECENTLY CLEANED AND PAINTED
	 	
Sutro Tower Signature:		Page: <u>1</u> of <u>1</u> Date: 1 9 15
		Identification' No.

()

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