

POST-MAINTENANCE INSPECTION REPORT

(SE STACK B, SE LEG B & E TRUSS LEVELS 2-6)

SEPTEMBER 29, 2021

ERI PROJECT 36434/A
SUTRO TOWER
977 FT SELF-SUPPORT TOWER
SAN FRANCISCO, CA
ASRN 1001289

Prepared For:

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EXECUTIVE SUMMARY

Mr. Velez,

This report is submitted by Electronics Research Incorporated (ERI) with regards to the post-maintenance inspection conducted by ERI on Apr 29, 2021, and Sep 14, 2021. The contracted scope of work included on-site inspections of the Southeast Stack “B”, Southeast Leg “B”, and East Truss Levels 2-6 to verify completion of the required corrective actions specified in the Simpson Gumpertz & Heger, Inc. (SGH), report dated Jul 17, 2019 (no. 067199.11).

Based upon the field inspections performed, ERI finds:

- a. All required corrective actions as specified in the SGH report listed above have been completed. The following table identifies the specific corrective actions specified and inspected:

ERI Report No.	Observ. No.	Description	Action Required	Ref. App. I Item No.
1	23	Bolt not tightened	Tighten or replace bolt	1
1	34	Bolt not tightened	Tighten or replace bolt	2
1	345	Missing bolt	*Install new bolt	N.P.
1	347	Missing bolt	*Install new bolt	N.P.
1	348	Missing bolt	*Install new bolt	N.P.
1	349	Missing bolt	*Install new bolt	N.P.
1	351	Missing bolt	*Install new bolt	N.P.
1	353	Space plate undersize	Replace plate with new	3
1	518	Dampers poor condition	Replace	4

Referenced ERI report(s):

1. ERI Field Inspection Report dated Mar 8, 2019 (no. 36434/A)

* Field-weld approved as acceptable substitute for replacement bolts due to interference issues

N.P. – Not pictured due to access and weather conditions during inspection

Please contact me if you should have any questions or require any additional details.

APPENDIX I:
STRUCTURE ORIENTATION/NOMENCLATURE
SUTRO TOWER
977 FT SELF-SUPPORT TOWER
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Figure 1. Structure Orientation & Nomenclature

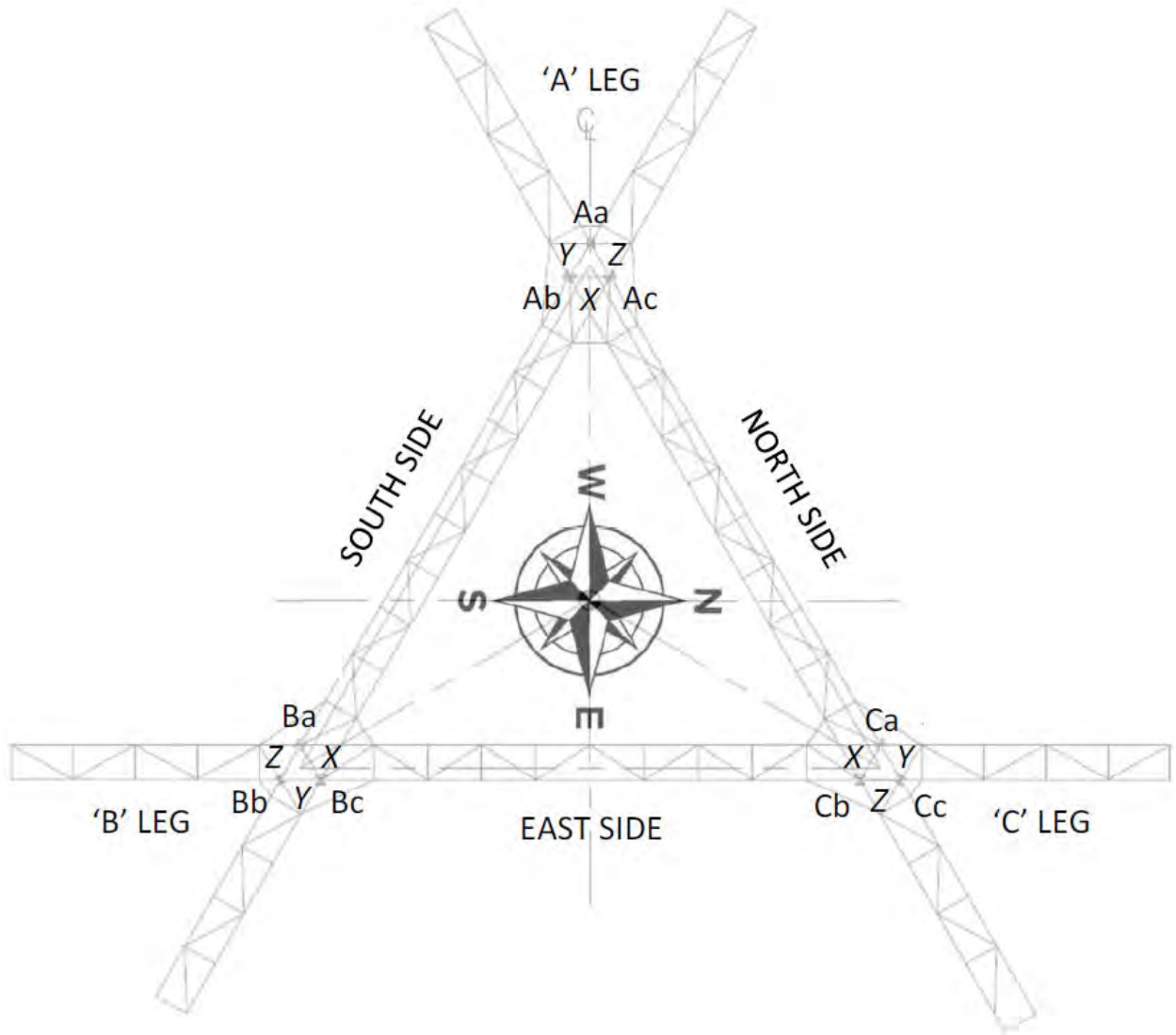
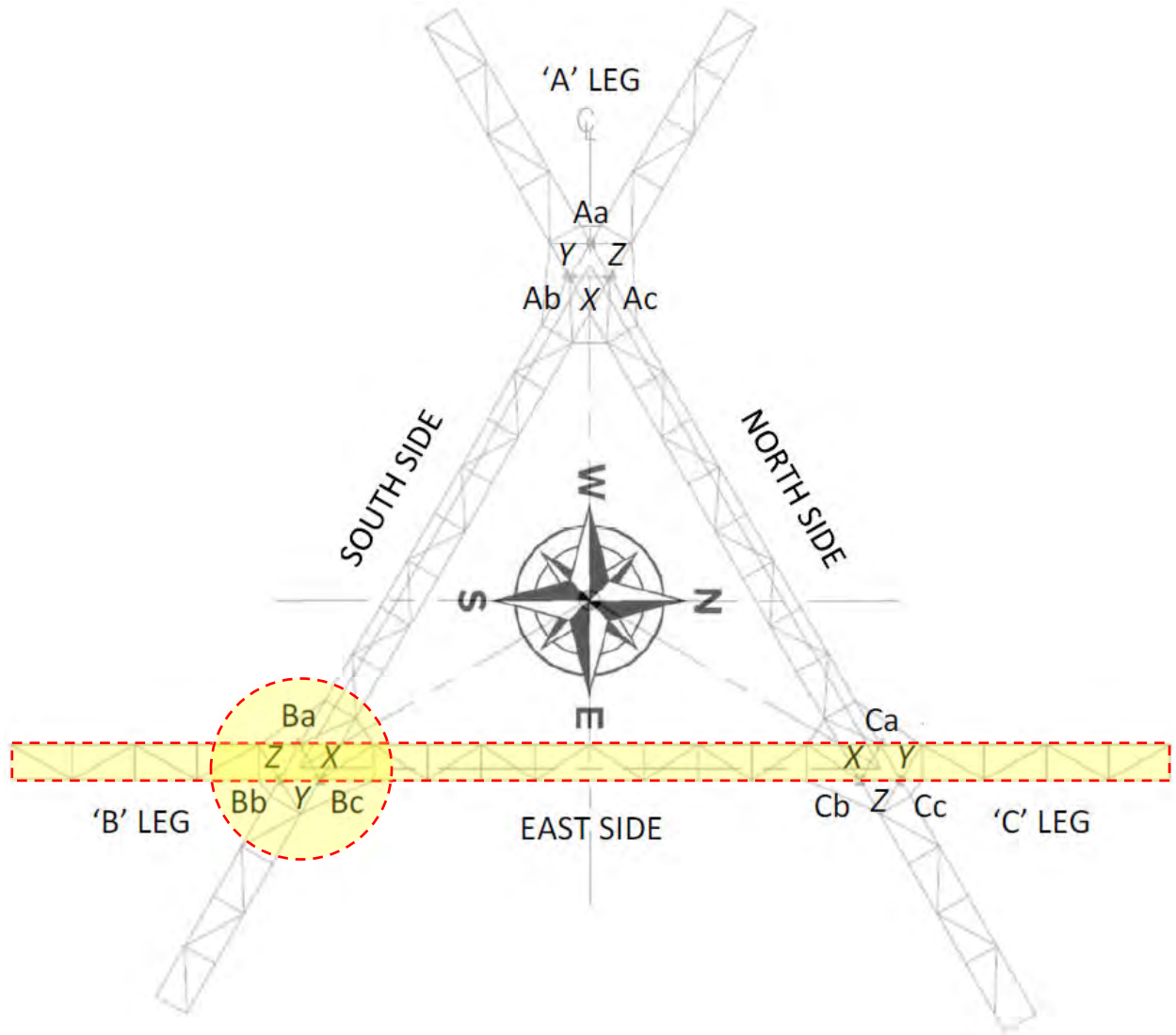
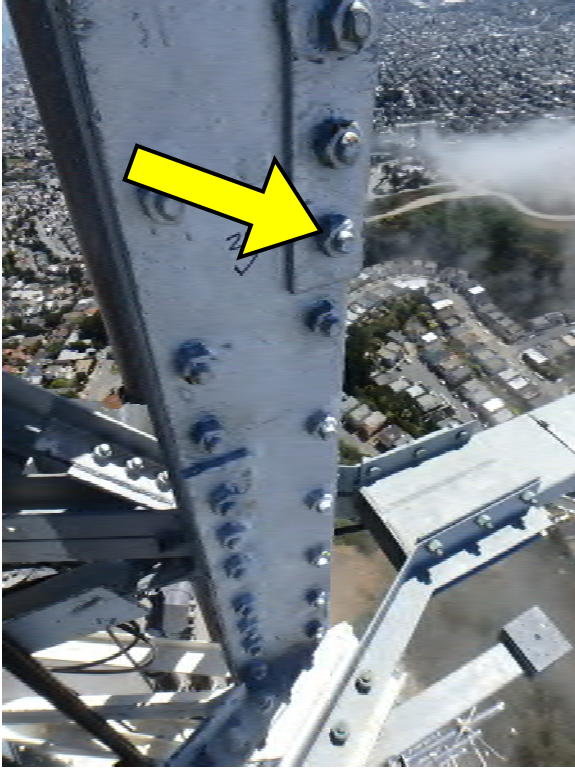


Figure 2. Portion of Structure Covered in this Report



APPENDIX II:
INSPECTION PICTURES
SUTRO TOWER
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ITEM 1: OBSERV. NO. 23



LOCATION:

Column Ba, Level 5.3-5.4, Conn.

PREVIOUS CONCERN:

Loose bolt in column

CORRECTIVE ACTION:

Bolt properly tightened

ADDITIONAL COMMENTS:

N/A

REFERENCE ERI REPORT:

ERI Field Inspection Report dated Mar 8, 2019
(no. 36434/A)

REFERENCE SGH REPORT:

SGH Report dated Jul 17, 2019 (no. 067199.11)

ITEM 2: OBSERV. NO. 34



LOCATION:

Column Bb, Level 5.0, Conn.

PREVIOUS CONCERN:

Loose bolt in column

CORRECTIVE ACTION:

Bolt properly tightened

ADDITIONAL COMMENTS:

N/A

REFERENCE ERI REPORT:

ERI Field Inspection Report dated Mar 8, 2019
(no. 36434/A)

REFERENCE SGH REPORT:

SGH Report dated Jul 17, 2019 (no. 067199.11)

ITEM 3: OBSERV. NO. 353



LOCATION:

E Truss Level 6, Outer Chord, 6.5-6.6, Connection

PREVIOUS CONCERN:

Diag stitch bolt spacer plate too thin

CORRECTIVE ACTION:

Spacer plate replaced

ADDITIONAL COMMENTS:

N/A

REFERENCE ERI REPORT:

ERI Field Inspection Report dated Mar 8, 2019 (no. 36434/A)

REFERENCE SGH REPORT:

SGH Report dated Jul 17, 2019 (no. 067199.11)

ITEM 4: OBSERV. NO. 518



LOCATION:

Strands

PREVIOUS CONCERN:

Strand high frequency dampers are in poor condition throughout structure (numerous broken/degraded safeties, stiff/corroded damper cables, missing dampers, etc.)

CORRECTIVE ACTION:

High frequency dampers replaced

ADDITIONAL COMMENTS:

N/A

REFERENCE ERI REPORT:

ERI Field Inspection Report dated Mar 8, 2019 (no. 36434/A)

REFERENCE SGH REPORT:

SGH Report dated Jul 17, 2019 (no. 067199.11)