BUILDING REPORT REQUIREMENTS
ASCE 41-17 TIER 1 SEISMIC EVALUATIONS

BUILDING REPORT

1) UC Campus: Los Angeles
2) Building Name: Lake Arrowhead Stonewall
3) Building CAAN ID: 4201F
4) Auxiliary Building ID:
5) Date of Evaluation: 6/30/2020
6) Evaluation by: Englekirk, TAS
7) Seismic Performance Rating and Basis of Rating: V, ASCE 41-17 Tier 1

8) Plan Image or Aerial Photo
9) Exterior Elevation Photo

10) Site Location
   (a) Latitude Decimal Coordinates: 34.264635
   (b) Longitude Decimal Coordinates: -117.187163
11) ASCE 41-17 Model Building Type and Description
   (a) Longitudinal Direction: W1 and W2: Wood frame, wood shear panels
   (b) Transverse Direction: W1 and W2: Wood frame, wood shear panels
12) Number of Stories
   (a) Above grade: 2
   (b) Below grade: 0
13) Original Building Design Code & Year:
14) Retrofit Building Design Code & Year (if applicable):
15) Cost Range to Retrofit (if applicable): (Low, Medium, High or Very High): Medium

Comments: No drawings. Unstiffened cripple walls, no bolting to stone stem wall. Assumed URM (stone) chimney.
BACKGROUND INFORMATION

Site Information
16) Site Class (A – F) and Basis of Assessment
   (a) Site Class: D
   (b) Site Class Basis: Unknown (Default)
   (c) Site Class Company: None
   (d) Site Class Report Date: None
   (e) Site Class Ref Page No.: None

17) Geologic Hazards
   (a) Fault Rupture (Yes, No or Unknown) and Basis of Assessment: Unknown, None
   (b) Liquefaction (Yes, No or Unknown) and Basis of Assessment: Unknown, None
   (c) Landslide (Yes, No or Unknown) and Basis of Assessment: Unknown, None

18) Site-specific Ground Motion Study? (Yes or No) No

<table>
<thead>
<tr>
<th>Seismic design acceleration parameters of interest:</th>
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<tbody>
<tr>
<td>For BSE-1N</td>
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<tr>
<td>1.249 and 0.805</td>
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<tr>
<td>For BSE-1E</td>
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<tr>
<td>0.919 and 0.545</td>
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19) Estimated Fundamental Period (seconds)
   (a) Longitudinal: 0.19
   (b) Transverse: 0.19

20) Falling Hazards Assessment Summary: Tall stone chimney, stone fireplace veneer.

21) Structural Non-Compliances/Findings Significantly Affecting Rating Determination Summary
Significant Structural Deficiencies, Potentially Affecting Seismic Performance Rating Designation:

   (a) Lateral System Stress Check (wall shear, column shear or flexure, or brace axial as applicable): Yes, wall shear stress deficiency noted
   (b) Load Path: Yes, deficiency noted
   (c) Adjacent Buildings: No deficiency noted
   (d) Weak Story: No deficiency noted
   (e) Soft Story: No deficiency noted
   (f) Geometry (vertical irregularities): No deficiency noted
   (g) Torsion: Not Applicable
   (h) Mass – Vertical Irregularity: No deficiency noted
   (i) Cripple Walls: Yes, deficiency noted
   (j) Wood Sills (bolting): Yes, deficiency noted
   (k) Diaphragm Continuity: No deficiency noted
   (l) Openings at Shear Walls (concrete or masonry): Not Applicable
   (m) Liquefaction: Unknown
   (n) Slope Failure: Unknown
(o) Surface Fault Rupture: Unknown
(p) Masonry or Concrete Wall Anchorage at Flexible Diaphragm: Not Applicable
(q) URM wall height to thickness ratio: Yes, deficiency noted
(r) URM Parapets or Cornices: Not Applicable
(s) URM Chimney: Yes, deficiency noted
(t) Heavy Partitions Braced by Ceilings: No deficiency noted
(u) Appendages: No deficiency noted

22) Brief Description of Anticipated Failure Mechanism
Unbraced cripple walls and crawl space posts not anchored to foundation piers. Unreinforced stone foundation walls. Failure of let-in or diagonal bracing or exterior stucco and interior plaster walls. Failure of URM (stone) chimney.

23) Seismic Retrofit Concept Sketches/Description (only required for buildings rated V or worse)

Building Report Appendices
A) ASCE 41-17 Tier 1 Checklists (Structural only)

B) Quick Check Calculations