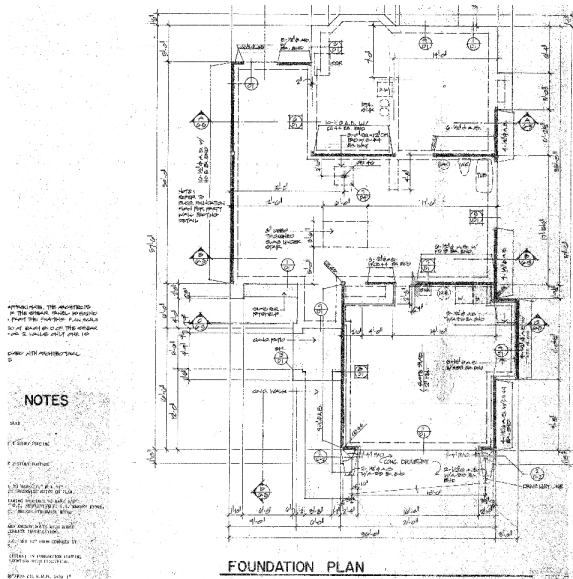




BUILDING REPORT REQUIREMENTS
ASCE 41-17 TIER 1 SEISMIC EVALUATIONS

BUILDING REPORT

- 1) UC Campus:
2) Building Name: 10453 Colina Way
3) Building CAAN ID:
4) Auxiliary Building ID:
5) Date of Evaluation: 08/24/2020
6) Evaluation by: Englekirk, TAS
7) Seismic Performance Rating and Basis of Rating: III, ASCE 41-17 Tier 1



8) Plan Image or Aerial Photo



9) Exterior Elevation Photo

- 10) Site Location
(a) Latitude Decimal Coordinates: 34.124506
(b) Longitude Decimal Coordinates: -118.446111
11) ASCE 41-17 Model Building Type and Description
(a) Longitudinal Direction: W1a: 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: UBC-1982
14) Retrofit Building Design Code & Year (if applicable):
15) Cost Range to Retrofit (if applicable): (Low, Medium, High or Very High):

Comments: Bldg. was UC constructed in 1985, sold, and reacquired in 2020. Would otherwise qualify for presumptive rating except for slope condition. May be in mapped CGS landslide zone but mitigation of slope conditions confirmed via site visit and review of grading plans. Unit type: 6a Building Type: VII. Stepped footings at slope. Date illegible on plan; assumed to be the same as other units.



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: **N/A**
- (d) Site Class Report Date: **N/A**
- (e) Site Class Ref Page No.: **N/A**

17) Geologic Hazards

- (a) Fault Rupture (Yes, No or Unknown) and Basis of Assessment: **No, CGS Maps**
- (b) Liquefaction (Yes, No or Unknown) and Basis of Assessment: **No, CGS Maps**
- (c) Landslide (Yes, No or Unknown) and Basis of Assessment: **No, Site Visit**

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

Seismic design acceleration parameters of interest:	
For BSE-1N	1.616 and 0.818
For BSE-1E	0.917 and 0.526

19) Estimated Fundamental Period (seconds)

- (a) Longitudinal: **0.175**
- (b) Transverse: **0.175**

20) Falling Hazards Assessment Summary: **None noted.**

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):
No deficiency noted
- (b) Load Path: **No deficiency noted**
- (c) Adjacent Buildings: **None noted - townhouse configuration with separate SFRS**
- (d) Weak Story: **No deficiency noted**
- (e) Soft Story: **No deficiency noted**
- (f) Geometry (vertical irregularities): **No deficiency noted**
- (g) Torsion: **No deficiency noted**
- (h) Mass – Vertical Irregularity: **No deficiency noted**
- (i) Cripple Walls: **No deficiency noted**
- (j) Wood Sills (bolting): **No deficiency noted**
- (k) Diaphragm Continuity: **No deficiency noted**
- (l) Openings at Shear Walls (concrete or masonry): **Not Applicable**
- (m) Liquefaction: **No**
- (n) Slope Failure: **No**



- (o) Surface Fault Rupture: **No**
- (p) Masonry or Concrete Wall Anchorage at Flexible Diaphragm: **Not Applicable**
- (q) URM wall height to thickness ratio: **Not Applicable**
- (r) URM Parapets or Cornices: **Not Applicable**
- (s) URM Chimney: **Not Applicable**
- (t) Heavy Partitions Braced by Ceilings: **No deficiency noted**
- (u) Appendages: **No deficiency noted**

22) Brief Description of Anticipated Failure Mechanism

Except for slope condition at east end of building, building qualifies for presumptive rating of III based on applicable building code. Failure of shear wall panels and nailing, hold-downs and/or compression posts.

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

None recommended

Building Report Appendices

- A) ASCE 41-17 Tier 1 Checklists (Structural only)
- B) Quick Check Calculations

DRAFT