



**FORM 1**  
**CERTIFICATE OF SEISMIC PERFORMANCE LEVEL**

- UC-Designed & Constructed Facility**  
 **Campus-Acquired or Leased Facility**

**BUILDING DATA**

Building Name: [Aldea San Miguel 5](#)  
Address: [75 Behr Ave, San Francisco](#)  
Site location coordinates: Latitude [37.7579](#) Longitudinal [-122.4545](#)

**UCOP SEISMIC PERFORMANCE LEVEL (OR "RATING"): III**

ASCE 41-17 Model Building Type:

- a. Longitudinal Direction: [W1: Wood Frame with Wood Shear Panels](#)
- b. Transverse Direction: [W1: Wood Frame with Wood Shear Panels](#)

Gross Square Footage: [11,595](#)  
Number of stories *above* grade: [3](#)  
Number of basement stories *below* grade: [0](#)

Year Original Building was Constructed: [1999](#)  
Original Building Design Code & Year: [CBC - 1995](#)  
Retrofit Building Design Code & Code (if applicable): [NA](#)

**SITE INFORMATION**

Site Class: [C](#) Basis: ([NA, June 2019, Pg. 1-3](#))  
Geologic Hazards:  
Fault Rupture: [No](#) Basis: [UCSF Group 2 Buildings – Tier 1 Geotechnical Assessment, Egan \(2019\)](#)  
Liquefaction: [No](#) Basis: [UCSF Group 2 Buildings – Tier 1 Geotechnical Assessment, Egan \(2019\)](#)  
Landslide: [No](#) Basis: [UCSF Group 2 Buildings – Tier 1 Geotechnical Assessment, Egan \(2019\)](#)

**ATTACHMENT**

Original Structural Drawings: ([Aldea Housing, Nishkian & Assoc. Inc, 7/25/97, S0.1](#)) or  
Seismic Evaluation: [NA](#)  
Retrofit Structural Drawings: [NA](#)



## CERTIFICATION & PRESUMPTIVE RATING VERIFICATION STATEMENT

I, [Maryann T. Phipps](#), a California-licensed structural engineer, am responsible for the completion of this certificate, and I have no ownership interest in the property identified above. My scope of review to support the completion of this certificate included both of the following ("No" responses must include an explanation):

- a) the review of structural drawings indicating that they are as-built or record drawings, or that they otherwise are the basis for the construction of the building:  Yes  No
- b) visiting the building to verify the observable existing conditions are reasonably consistent with those shown on the structural drawings:  Yes  No

Based on my review, I have verified that the UCOP Seismic Performance Level (SPL) is presumptively permitted by the following UC Seismic Program Guidebook provision (choose one of the following):

- 1) Contract documents indicate that the original design and construction of the aforementioned building is in accordance with the benchmark design code year (or later) building code seismic design provisions for UBC or IBC listed in Table 1 below.
- 2) The existing SPL rating is based on an acceptable basis of seismic evaluation completed in 2006 or later.
- 3) Contract documents indicate that a comprehensive<sup>1</sup> building seismic retrofit design was fully-constructed with an engineered design based on the 1997 UBC/1998 **or later** CBC, and (choose one of the following):
  - the retrofit project was completed by the UC campus. Further, the design was based on ground motion parameters, at a minimum, corresponding to BSE-1E (or BSE-R) and BSE-2E (or BSE-C) as defined in ASCE 41, or the full design basis ground motion required in the 1997 UBC/1998 CBC **or later** for EXISTING buildings, and is presumptively assigned an SPL rating of IV.
  - the retrofit project was completed by the UC campus. Further, the design was based on ground motion parameters, at a minimum, corresponding to BSE-1 (or BSE-1N) and BSE-2 (or BSE-2N) as defined in ASCE 41, or the full design basis ground motion required in the 1997 UBC/1998 **or later** CBC for NEW buildings, and is presumptively assigned an SPL rating of III.
  - the retrofit project was not completed by the UC campus following UC policies, and is presumptively assigned an SPL rating of IV.

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<sup>1</sup> A comprehensive retrofit addresses the entire building structural system as indicated by the associated seismic evaluation, as opposed to addressing selective portions of the structural system.

Campus: UCSF  
Building Name: Aldea San Miguel 5  
CAAN ID: 3023  
Auxiliary Building ID: NA



UNIVERSITY  
OF  
CALIFORNIA

Date: 8/21/2019

**CERTIFICATION SIGNATURE**

AFFIX SEAL HERE

Maryann T. Phipps  
Print Name

President  
Title

S2995  
CA Professional Registration No.

6/30/2020  
License Expiration Date

*Maryann T. Phipps*  
Signature

8/21/2019  
Date



9/4/2019

Estructure, (510) 235-3116, 1144 65th St Suite A, Oakland  
Firm Name, Phone Number, and Address



**Table 1: Benchmark Building Codes and Standards**

Building Type <sup>a,b</sup>	Building Seismic Design Provisions	
	UBC	IBC
Wood frame, wood shear panels (Types W1 and W2)	1976	2000
Wood frame, wood shear panels (Type W1a)	1976	2000
Steel moment-resisting frame (Types S1 and S1a)	1997	2000
Steel concentrically braced frame (Types S2 and S2a)	1997	2000
Steel eccentrically braced frame (Types S2 and S2a)	1988 <sup>g</sup>	2000
Buckling-restrained braced frame (Types S2 and S2a)	f	2006
Metal building frames (Type S3)	f	2000
Steel frame with concrete shear walls (Type S4)	1994	2000
Steel frame with URM infill (Types S5 and S5a)	f	2000
Steel plate shear wall (Type S6)	f	2006
Cold-formed steel light-frame construction—shear wall system (Type CFS1)	1997 <sup>h</sup>	2000
Cold-formed steel light-frame construction—strap-braced wall system (Type CFS2)	f	2003
Reinforced concrete moment-resisting frame (Type C1) <sup>i</sup>	1994	2000
Reinforced concrete shear walls (Types C2 and C2a)	1994	2000
Concrete frame with URM infill (Types C3 and C3a)	f	f
Tilt-up concrete (Types PC1 and PC1a)	1997	2000
Precast concrete frame (Types PC2 and PC2a)	f	2000
Reinforced masonry (Type RM1)	1997	2000
Reinforced masonry (Type RM2)	1994	2000
Unreinforced masonry (Type URM)	f	f
Unreinforced masonry (Type URMa)	f	f
Seismic isolation or passive dissipation	1991	2000

Note: This table has been adapted from ASCE 41-17 Table 3-2. Benchmark Building Codes and Standards for Life Safety Structural Performed at BSE-1E.

Note: UBC = Uniform Building Code. IBC = International Building Code.

<sup>a</sup> Building type refers to one of the common building types defined in Table 3-1 of ASCE 41-17.

<sup>b</sup> Buildings on hillside sites shall not be considered Benchmark Buildings.

<sup>c</sup> not used

<sup>d</sup> not used

<sup>e</sup> not used

<sup>f</sup> No benchmark year; buildings shall be evaluated in accordance with Section III.J.

<sup>g</sup> Steel eccentrically braced frames with links adjacent to columns shall comply with the 1994 UBC Emergency Provisions, published September/October 1994, or subsequent requirements.

<sup>h</sup> Cold-formed steel shear walls with wood structural panels only.

<sup>i</sup> Flat slab concrete moment frames shall not be considered Benchmark Buildings.

ABBREVIATION:

Table of abbreviations and their corresponding full names, including ARCH, BOARD, BLOCKING, etc.

MANUFACTURED TRUSSES:

- 1. MATERIALS, DESIGN, FABRICATION AND ERECTION SHALL CONFORM TO DESIGN SPECIFICATIONS FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES (TP), LATEST EDITION, THE 1995 CALIFORNIA BUILDING CODE, AND ANY APPLICABLE LOCAL CODES.

STRUCTURAL STEEL:

- 1. STEEL USAGE: A. ALL ROLLED SHAPES AND PLATES, ASTM A36 OR ASTM A572, GR.50 B. TUBE: ASTM A500, GRADE B. C. BOLTS: ASTM A307 (M.B.)

CONCRETE UNIT MASONRY (CMU):

- 1. CONCRETE BLOCK SHALL BE HOLLOW, LOAD-BEARING CONCRETE MASONRY UNITS CONFORMING TO ASTM C90, GRADE N111. MORTAR SHALL BE TYPE S. GROUT SHALL FOLLOW CONCRETE REQUIREMENTS, EXCEPT FOR SLUMP REQUIREMENT.

CARPENTRY:

- 1. ALL LUMBER SHALL BE NO. 2 DOUGLAS FIR-LARCH (WCLIP OR WPA) EXCEPT: A. INTERIOR STUDS: STANDARD OR BETTER. B. BEAMS, POSTS AND STRINGERS: NO. 1 DOUGLAS FIR-LARCH, UNLESS NOTED OTHERWISE ON PLANS.

REINFORCING STEEL:

- 1. ALL REINFORCING STEEL SHALL BE PLACED IN CONFORMANCE WITH "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318 LATEST APPROVED EDITION), AND THE "ACI DETAILING MANUAL" AS MODIFIED BY THE PROJECT DRAWINGS AND SPECIFICATIONS.

TESTING AND INSPECTION:

- 1. PROVIDE "SPECIAL INSPECTIONS" FOR ALL ITEMS AS REQUIRED BY THE 1995 CALIFORNIA BUILDING CODE WITH 1994 UNIFORM BUILDING CODE, SECTIONS 308 AND 1707 INCLUDING THE FOLLOWING: A) CONCRETE: DURING THE TAKING OF TEST SPECIMENS AND PLACING OF REINFORCED CONCRETE.

GENERAL:

- 1. THESE GENERAL NOTES APPLY UNLESS SPECIFICALLY NOTED OTHERWISE. 2. ALL CONSTRUCTION, TESTING AND INSPECTION SHALL CONFORM TO THE CALIFORNIA BUILDING CODE, 1995 EDITION.

FOUNDATION:

- 1. FOUNDATION DESIGN IS BASED ON SOILS REPORTS BY TREADWELL & ROLLO, INC. 555 MONTGOMERY ST., SUITE 1300, SAN FRANCISCO, CA 94111. TEL: (415) 955-9040. PROJECT NUMBER: 2029.01 DATED NOVEMBER 8, 1996.

CONCRETE:

- 1. ALL CONCRETE SHALL BE MIXED AND PLACED IN ACCORDANCE WITH ACI 318. USE MAXIMUM AGGREGATE SIZE APPROPRIATE FOR FORM AND REBAR CLEARANCES TO BE ENCOUNTERED. (SEE A.C.I.)



UNIVERSITY OF CALIFORNIA SAN FRANCISCO

3130 20TH STREET SAN FRANCISCO, CALIFORNIA 94143-0894

Gordon H Chong & Partners Architecture

130 Sutter Street, Suite 300 San Francisco, CA 94104-4012

Nishkian & Assoc. Inc. Structural Engineer

1 Holland Court, Suite 100 San Francisco, CA 94103

Sandis Humber Jones Civil/Structural

605 Castro Street Mountain View, CA 94041-2011

Professional Engineer seal for L.H. Nishkian

DO NOT SCALE DRAWING. ALL MARKED DIMENSIONS TAKE PRECEDENCE OVER ALL DIMENSIONS TO BE VERIFIED IN THE FIELD BY CONTRACTOR PRIOR TO EXECUTION OF WORKS.

Table with columns: NO., DESCRIPTION, DATE. Contains revision history.

APPROVAL STAMPS

PROJECT TITLE: ALDEA HOUSING

DRAWING TITLE: GENERAL NOTES

Table with columns: PROJECT NO., PROJECT NO., CAN NO., FILE NO., DRAWN BY, SHEET NO., DATE. Includes drawing metadata.



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