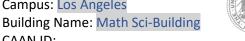
Auxiliary Building ID: 4359.3

CAAN ID:





Date: 8/27/2020

CERTIFICATE OF SEISMIC PERFORMANCE RATING

[X] UC-Designed & Constructed Facility [] Campus-Acquired or Leased Facility

BUILDING DATA

Building Name: Math Sci-Building Address: 520 Portola Plaza, 90095

Site location coordinates: Latitude 34.06949 Longitudinal -118.4427

UCOP SEISMIC PERFORMANCE RATING (OR "RATING"): IV

ASCE 41-17 Model Building Type:

a. Longitudinal Direction: S2 and S2a: Steel eccentrically braced frame b. Transverse Direction: S2 and S2a: Steel eccentrically braced frame

Gross Square Footage:

Number of stories above grade: 1

Number of basement stories below grade: 0

Year Original Building was Constructed: 2005 Original Building Design Code & Year: CBC-2001 Retrofit Building Design Code & Code (if applicable):

SITE INFORMATION

Site Class: D Basis: None, None

Geologic Hazards:

Fault Rupture: No Basis: CGS Maps Liquefaction: No Basis: CGS Maps Landslide: No Basis: CGS Maps

ATTACHMENT

Original Structural Drawings: General Notes, Englekirk & Sabol, 2/2/2005, S1.10 or

Seismic Evaluation: N/A

Retrofit Structural Drawings: N/A, N/A, N/A, N/A

COMMENTS

Building Name: Math Sci-Building

CAAN ID:



Date: 8/27/2020 Auxiliary Building ID: 4359.3

CERTIFICATION & PRESUMPTIVE RATING VERIFICATION STATEMENT

I, Thomas A. Sabol, a California-licensed structural engineer, am responsible for the completion of this ce su an

sup		iew of structural drawings indicating that they are as-built or record drawings, or that they ise are the basis for the construction of the building: ☑ Yes ☐ No the building to verify the observable existing conditions are reasonably consistent with hown on the structural drawings: ☑ Yes ☐ No		
	o b) v	he review of structural drawings indicating that they are as-built or record drawings, or that they therwise are the basis for the construction of the building: ☑ Yes ☐ No isiting the building to verify the observable existing conditions are reasonably consistent with hose shown on the structural drawings: ☑ Yes ☐ No		
		on my review, I have verified that the UCOP Seismic Performance Rating is presumptively sed by the following UC Seismic Program provision (choose one of the following):		
[X]	bui	Contract documents indicate that the original design and construction of the aforementioned lding is in accordance with the benchmark design code year (or later) building code seismic sign provisions for UBC or IBC listed in the Benchmark Building Codes and Standards table below.		
[]	2) 1 late	The existing rating is based on an acceptable basis of seismic evaluation completed in 2006 or er.		
[]	con	Contract documents indicate that a comprehensive ¹ building seismic retrofit design was fully- instructed with an engineered design based on the 1997 UBC/1998 <i>or later</i> CBC, and (choose one 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 <i>or later</i> for EXISTING buildings, and is presumptively assigned a 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 <i>or later</i> CBC for NEW buildings, and is presumptively assigned a rating of III.		
	[]	the retrofit project was not completed by the UC campus following UC policies, and is		

presumptively assigned a rating of IV.

¹ 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.

Building Name: Math Sci-Building

CAAN ID:



Date: 8/27/2020 Auxiliary Building ID: 4359.3

CERTIFICATION SIGNATURE

Thomas A. Sabol Principal

Print Name Title

SE 3175 3/31/2021

CA Professional Registration No. License Expiration Date

August 31, 2020

Date

Englekirk Institutional (323) 733-6673

888 S. Figueroa Street, 18th Floor, Los Angeles, CA 90017

Firm Name, Phone Number, and Address

AFFIX SEAL HERE



Building Name: Math Sci-Building

CAAN ID:

Auxiliary Building ID: 4359.3



	Building Seismic Design Provisions	
Building Type ^{a, b, j}	UBC	IBC
Wood frame, wood shear panels (Types W1 and W2)	1976	2000
Wood frame, wood shear panels (Type W1a) [/]	1976 ^j	2000
Steel moment-resisting frame (Types S1 and S1a) [/]	1997 ^j	2000
Steel concentrically braced frame (Types S2 and S2a)	1997	2000
Steel eccentrically braced frame (Types S2 and S2a)	1988 ^g	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 ^h	2000
Cold-formed steel light-frame construction—strap-braced wall system (Type CFS2)	f	2003
Reinforced concrete moment-resisting frame (Type C1)	1994	2000
Reinforced concrete shear walls (Types C2 and C2a)	1994	2000
Concrete frame with URM infill (Types C3 and C3a)	f	f, j
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, j
Unreinforced masonry (Type URMa) [/]	f	f, j
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

Note: IBC = International Building Code

- a Building type refers to one of the common building types defined in Table 3-1 of ASCE 41-17.
- b Buildings on hillside sites shall not be considered Benchmark Buildings.
- c not used
- d not used
- e not used
- f No benchmark year, buildings shall be evaluated in accordance with the UC Seismic Safety Policy and the UC Seismic Program Guidelines.
- g Steel eccentrically braced frames with links adjacent to columns shall comply with the 1994 UBC Emergency Provisions, published September/October 1994, or subsequent requirements.
- $\it h$ Cold-formed steel shear walls with wood structural panels only.
- i Flat slab concrete moment frames shall not be considered Benchmark Buildings.
- j Shaded cells are intentionally modified from ASCE 41-17 Table 3-2.

Date: 8/27/2020