HD STRUCTURAL CO.

Structural Engineering & Consulting

Capabilities Statement

COMPANY OVERVIEW

HD Structural Co. is a woman, LGBT-owned corporation based in Los Angles, providing structural engineering and consulting services from design inception through construction completion for architects, owners, developers and contractors. HD Structural Co is built on 10 years of structural engineering experience on a wide range of projects around the world; including museums, hospitals, mixed-use high-rise structures, university buildings, parks and landscape structures, parking garages and renovations.

DIFFERENTIATOR

- Experience with large scale complex projects, expediting permits, seismic base isolation systems and the seismic peer review process
- Experience with digital fabrication and computational design
- Licensed in multiple states: California and New York

TARGET CLIENTS

- **Architects**
- **Design Professionals**
- **Artists/Sculptors**
- **Developers**
- **Airports**
- **Utilities**
- **Contractors**
- **Government Agencies**

VISION STATEMENT

Utilizing our experience and passion for design, we approach projects with a focus on performance, efficiency, sustainability and innovation.

MANAGED PROJECTS & PAST PERFORMANCE

LUCAS MUSEUM OF NARRATIVE ART

BKLYN ARMY TERMINAL

THE GRAND LA

GRAND CENTRAL

Abbott

THE UNIVERSITY OF CHICAGO

BOMBARDIER

Hathaway Dinwiddie

MASSART MASSACHUSETTS COLLEGE OF ART AND DESIGN

YEAR ESTABLISHED

- Founded October 2019

BUSINESS STRUCTURE

- S-Corp
- DUNS #098766252
- LA County Vendor ID #195123

PROFESSIONAL LICENSES

- California PE License #91458
- New York PE License #093268

CERTIFICATIONS

- CBE-WBE Certification – Los Angeles County
- Certified LGBTBE – National LGBT Chamber of Commerce

NAICS CODES

- 541330 – Engineering Services
- 541340 - Drafting Services

CONTACT INFORMATION

Halle Doenitz, Principal

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Case Studies

Lucas Museum of Narrative Art,
Exposition Park, Los Angeles
Owner: George Lucas
Architect: MAD Architects/Stantec
2016-Present

HD Structural Co was retained to provide design-build engineering services to support the construction of the Lucas Museum of Narrative Art. HD Structural Co provided structural engineering services for shotcrete landscape walls, fall arrest system bracing and footing design, bollard footing design, and other miscellaneous metal systems.

HD Structural Co also provided structural engineering services to support contractors means and methods during construction, including temporary bracing and shoring, crane supports, and engineering calculations to support the façade installation and sequencing.

The Grand,
100 S Grand Avenue, Los Angeles
Owner: Related California
Architect: Frank Gehry
June 2020-Present

HD Structural Co was retained to provide design-build structural engineering services for a 4-story ornamental metal stair that is a key architectural feature of this mixed use development.

The geometry of the stair is curved and complex. HD Structural Co utilized computational design to study ways to improve the stair's performance, reducing deflections and vibrations, and maximizing efficiency in the structural members and their connections.

Abbott Rapid Diagnostics
Pomona, CA & San Diego, CA
Seismic Risk Assessment for Laboratory Equipment
April 2020- August 2020

HD Structural Co was retained to provide a seismic risk assessment for laboratory equipment including large freezers, incubators, and other table-supported and floor-supported equipment. HD Structural Co provided a report assessing the current seismic risk of the equipment, signed and sealed calculations and drawings for supplemental seismic restraints to ensure the equipment will not slide or overturn in a seismic event.

HD Structural Co also assessed the existing roof of one of Abbott's laboratories and its capacity to support an added fall arrest system for maintenance workers.

HALLE DOENITZ, PE

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CA PE License #91458 NY PE License #093268

TECHNICAL SKILLS

ETABS, SAFE, CSICol, RAM, RISA, Basic Excel Macro Programming,
Revit Structure, AutoCAD, Rhino, Grasshopper (visual programming for Rhino)

SELECTED EXPERIENCE

2019-2021 Principal; *HD Structural Co.*
Los Angeles, CA

2011-2019 Senior Associate; *LERA Consulting Structural Engineers;*
New York, NY/Los Angeles, CA

Lucas Museum of Narrative Art, Los Angeles, CA
1,500,000 sqft, 5-story museum with 2-story below grade parking;
Project manager through SD/DD/CD/CA phases

University of Chicago Rubenstein Forum, Chicago, IL
10-story, 90,000 sqft. post-tensioned concrete structure;
Project manager through the SD/DD/CD phases

Massachusetts College of Art and Design, Boston, MA
Partial renovation and new 40,000 sqft facility;
Project manager through the CD/CA phase

NYU Medical Center, Kimmel Pavilion, New York, NY
21-story, 830,000 sqft, $1.4 Billion; Project engineer and special inspector

Lodha Project Alpha and World One Tower, Mumbai, India
8,000,000 sqft, 3-building project, new residential construction; Project engineer most heavily involved in the analysis and design of the tallest, 120-story tower

2010-2011 Structural Designer; *Ghafari Associates*
Dearborn, MI

Assorted Projects
Ford Dearborn Tool and Die Retrofit, Dearborn, MI
GM Tonawanda Renovation, Buffalo, NY
New Doha Intnl. Airport, Backup Approach and Training Center, New Doha, Qatar
GM Kokomo Roof Deck Inspection and Structural Remediation, Kokomo, IN
Bombardier CSERIES Complex Renovation, Montreal

EDUCATION

May 2010 Master of Science in Civil Engineering – University of Michigan

May 2009 Bachelor of Science in Civil Engineering – University of Michigan