

ENTRY FORM



DVASE 2016 Excellence in Structural Engineering Awards Program

PROJECT CATEGORY (check one):

Buildings under \$2M		Buildings Over \$100M	X
Buildings \$2M-\$10M		Other Structures Under \$5M	
Buildings \$10M - \$30M		Other Structures Over \$5M	
Buildings \$30M - \$100M		Single Family Home	

Approximate construction cost of facility submitted:	\$130 million
Entry Fee:	FREE
Name of Project:	Hudson Lights Mixed Use Development
Location of Project:	Fort Lee, NJ
Date construction was completed (M/Y):	2016
Structural Design Firm:	The Harman Group, Inc.
Affiliation:	All entries must be submitted by DVASE member firms or members.
Architect:	Arquitectonica
General Contractor:	Tishman Construction

Company Logo (insert .jpg in box below)



Important Notes:

- Please .pdf your completed entry form and email to bkoroncai@barrpino.com.
- Please also email separately 2-3 of the best .jpg images of your project, for the slide presentation at the May dinner and for the DVASE website. Include a brief (approx. 4 sentences) summary of the project for the DVASE Awards Presentation with this separate email.

- Provide a concise project description in the following box (one page maximum). Include the significant aspects of the project and their relationship to the judging criteria.

Located on an eight-acre lot near the George Washington Bridge, this project consists of two buildings. The first is a 12-story, 756,800 square foot cast-in-place, post-tensioned concrete mixed use development consisting of eight floors of residential apartments over three levels of parking with spaces for 858 cars. The ground floor features a 100,000 square foot retail space. The residential component includes such amenities as a pool, lounge, and fitness center as well as a rooftop terrace. Additional ground floor retail space and a movie theater are located in the adjacent 80,000 sf two-story structural steel building. Spread footing foundations with rock anchors to resist uplift forces from wind and seismic were used for both buildings.

The 13-story building utilized post tensioned concrete construction to maximize floor spans; minimize the number of columns; minimize impact on ground floor retail; and meld a challenging column grid for stacking retail, parking and residential layouts. A post-tensioned slab and beam system was incorporated in the parking levels due to long spans (55 foot beam spans and 37 foot slab spans were typical). A post-tensioned flat plate concrete system was used for the residential level to minimize floor to floor heights, while also allowing for a minimum number of columns, as 37 foot spans were typical in the tower. Lateral loads are resisted by a combination of concrete shear walls and concrete moment frames.

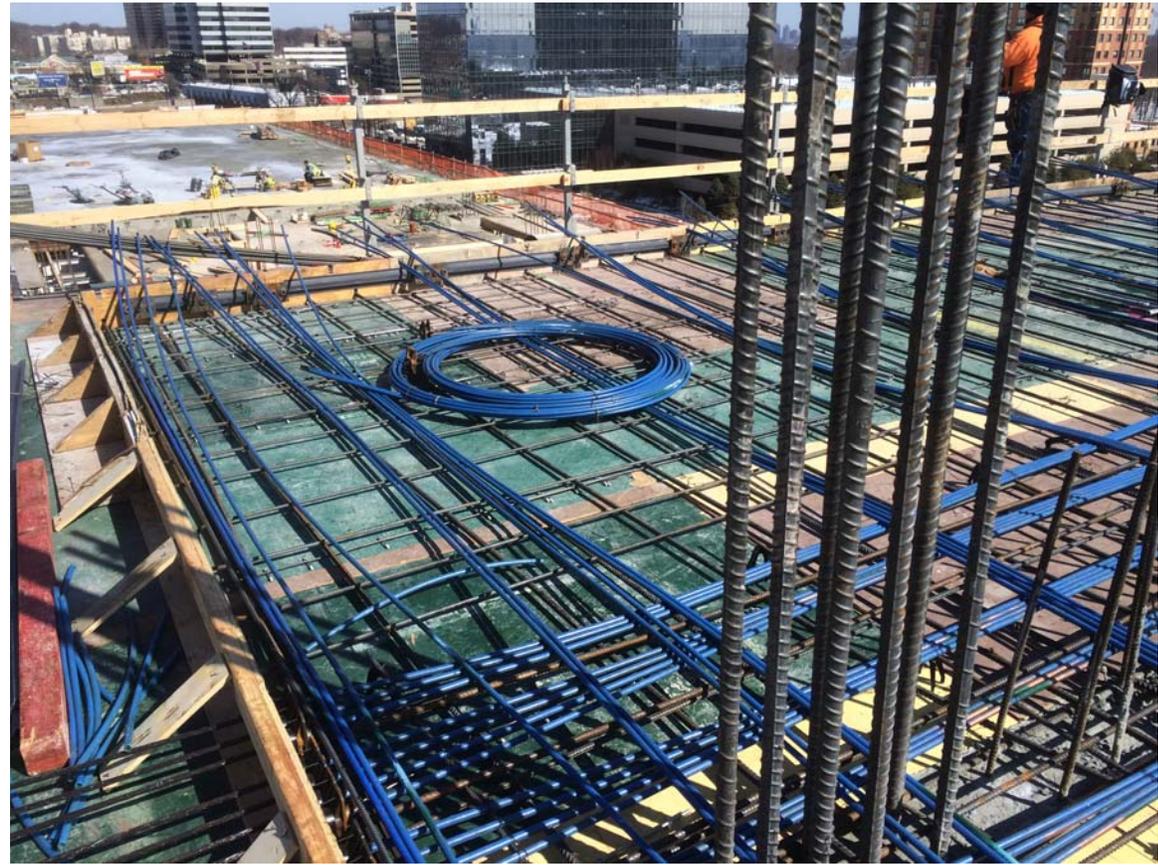
The two-story building structure utilized structural steel to maximize high floor to floor and ceiling height requirements for the movie theater. Steel joists were used to increase spans of the roof to eliminate columns at the second floor to maximize space for the movie theater layout. Lateral loads are resisted by steel braced frames.

- The following 5 pages (maximum) can be used to portray your project to the awards committee through photos, renderings, sketches, plans, etc...









By signing, signatory agrees to the following and represents that he or she is authorized to sign for the structural design firm of record:

All entries become the property of DVASE and will not be returned. By entering, the entrant grants a royalty-free license is granted to DVASE to use any copyrighted material submitted.

Submitted by:

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