ENTRY FORM

DVASE
2017 Excellence in Structural Engineering Awards Program

PROJECT CATEGORY (check one):

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

Approximate construction cost of facility submitted:	$40M
Name of Project:	The Remy - New Carrollton Station Apartments
Location of Project:	7730 Harkins Road, Lanham, MD 20706
Date construction was completed (M/Y):	12/ 2017 (Structure has been completed)
Structural Design Firm:	AE:S (Architectural Engineering: Structures, P.C)
Affiliation:	**All entries must be submitted by DVASE member firms or members.**
Architect:	The Martin Architectural Group
General Contractor:	Berman Enterprises

Company Logo (insert .jpg in box below)

AE:S

Important Notes:

- Please .pdf your completed entry form and email to bkoroncai@barrhorstman.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.

The New Carrollton Station Project (also known as The Remy) is a total of eight (8) levels of a mixed-use building with 278-unit apartments (studio, 1 and 2-bedrooms) and 20,000 sq. ft. retail/commercial space; totaling approximately 320,000 square feet. The building's residential amenities include a rooftop garden lounge, game room, movie screening room, fitness and activity center, pet washing station, meeting/conference and amenity rooms.

The design of the building included building sections with various floor levels incorporated with one another with firewalls, open two-story commercial spaces, store-front assemblies, breezeways into the courtyards, hung balconies, 3-story open floor "wedding cake" tower, roof-garden with trellises and complex electrical duct banks below the slab.

For this project multiple lateral systems were used, including wood panel shear walls (apartment units), masonry shear walls, steel moment frames and braced frames (commercial space). Design of the commercial spaces include intermediate wall girts at open floor levels, hung canopies and suspended brick shelves above storefronts and breezeways. Walls for Commercial areas utilized cold-form metal-framing. At the 5-story wood framed areas, Zip system sheathing was used as well as engineered lumber for wood wall plates to reduce shrinkage of the wood.

Due the building's large size and grading conditions of the site, the building was broken down into four building sections.

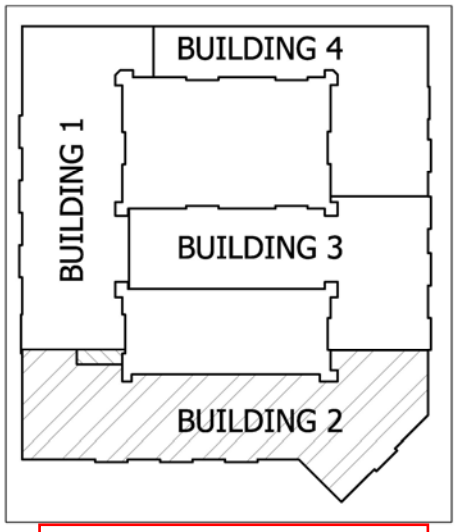
Building Section 1 is constructed with 5-stories of wood-framed apartments with pre-engineered wood floor trusses partly atop a 2-story steel-framed composite deck podium for commercial use on spread footings.

Building Section 2 foundations include a 24 foot high retaining wall along the northern and western walls (as Building Section 2 is two-stories below the rest of the buildings Ground Floor) with concrete piers and spread footings at the western area as well as grade beams spanning across electrical duct banks and irregular sized footings at the eastern area. The western area is used for commercial space with 2 double stories of steel framed composite deck framing below wood-framing amenity spaces and includes the eye-catching 3-story “wedding cake” tower open floor plan. The eastern side holds the roof garden with storage areas above a 5-story wood framed residential space.

Building Section 3 and Building Section 4 is constructed with 4-stories of wood-framed apartments with pre-engineered wood floor on spread footings.

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

Concept to Reality



Building Section Key Plan

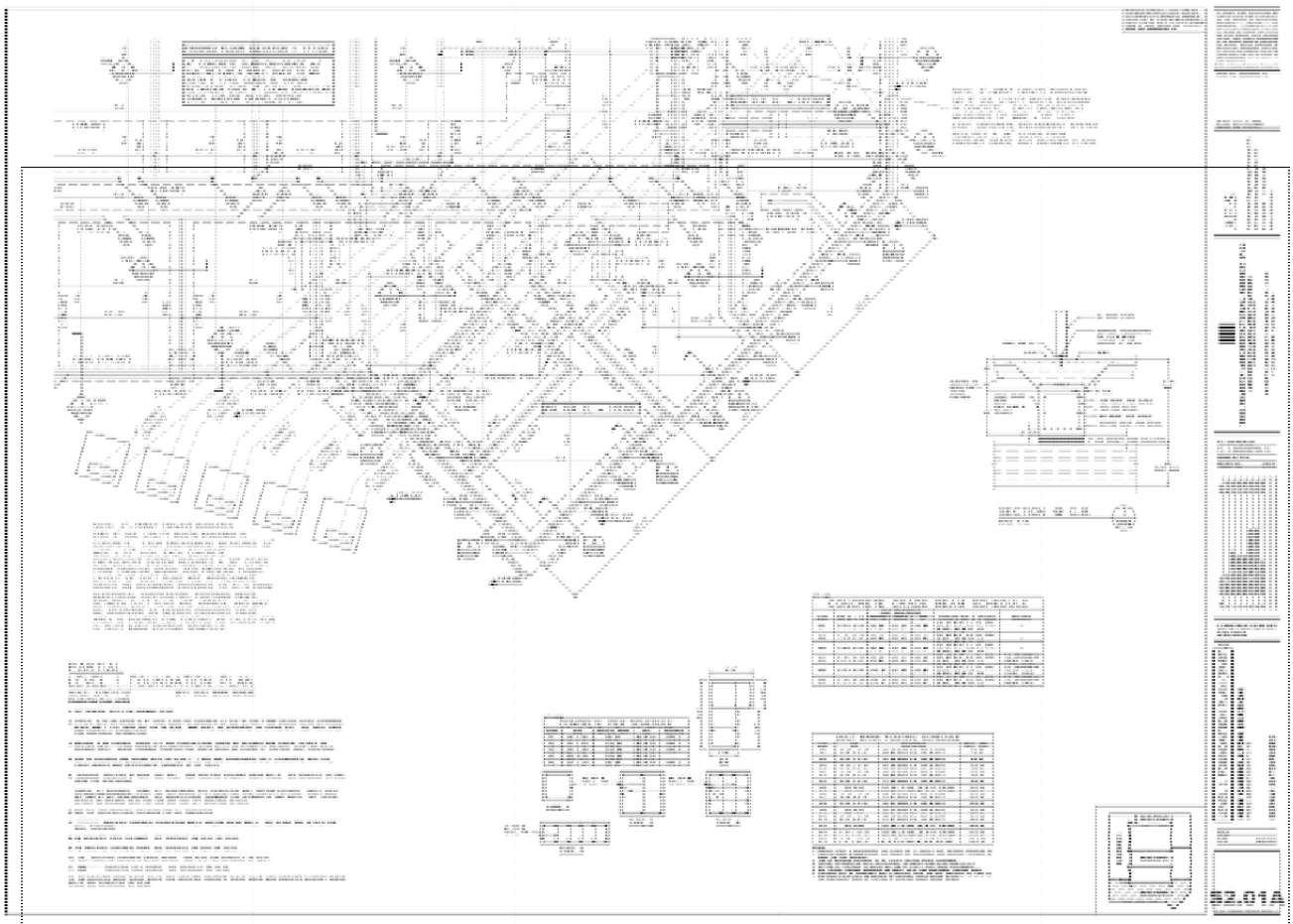
Prefabricated FloorTrusses being installed (Building Section 2)

View of the Courtyard

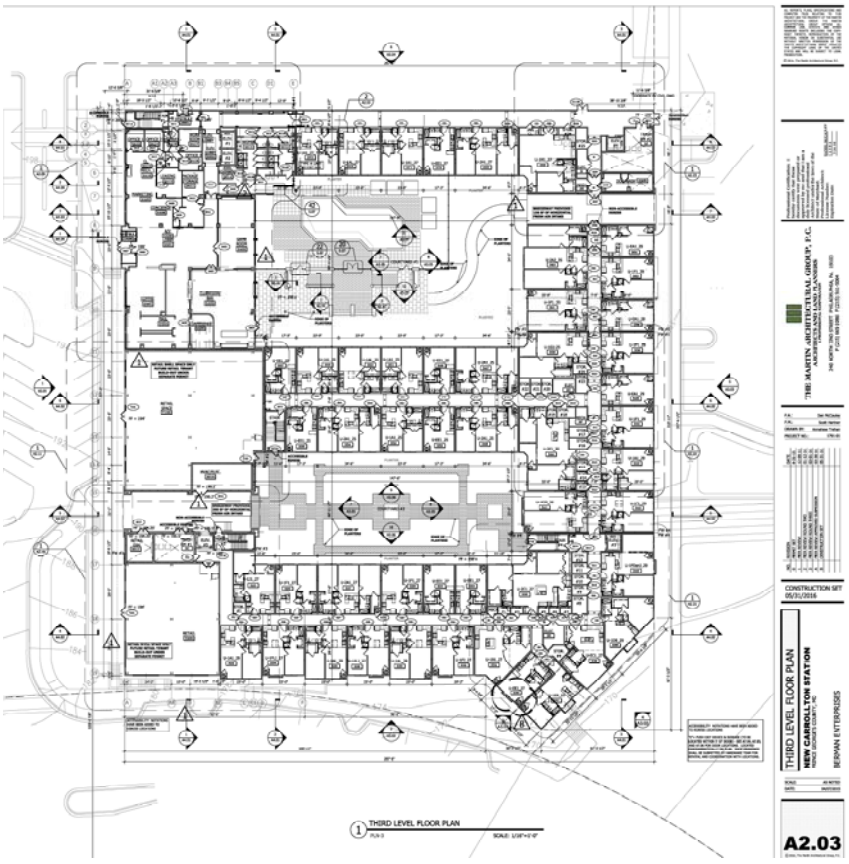
Exterior

"Wedding Cake" Tower

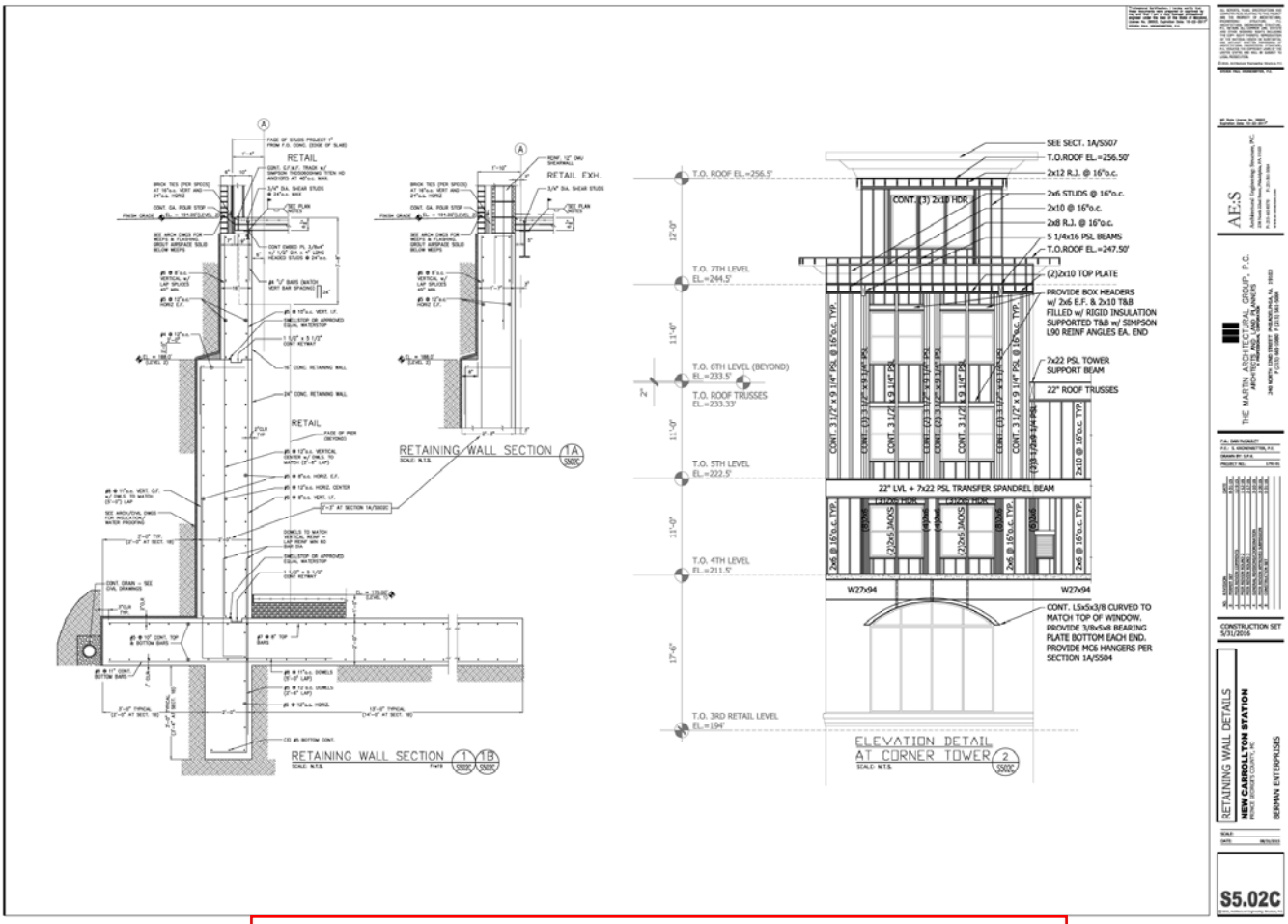
Interior



Partial Foundation Plan showing Electrical Duct Bank Foundations with Grade Beams and Irregular sized Footings

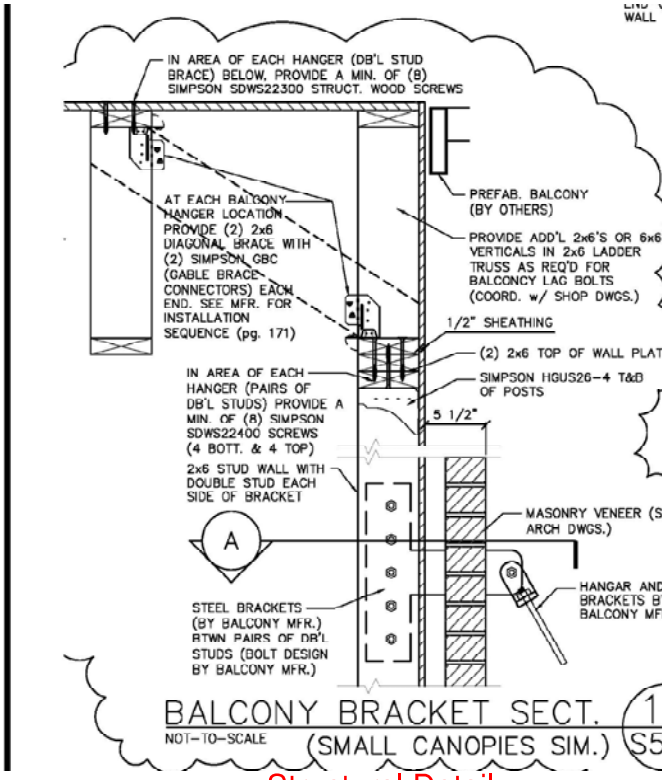


Architectural Plan of Third Floor showing Commercial area, Residential area, Courtyard, Breezeways, etc.



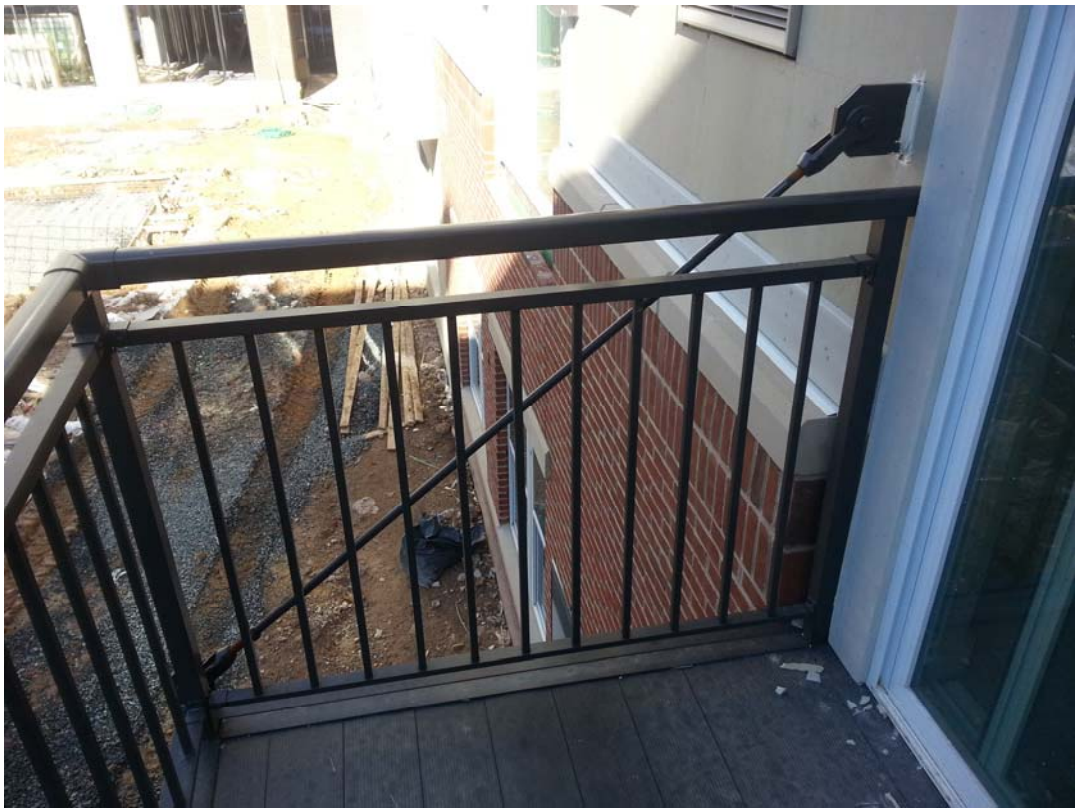
Two-stories Retaining Wall Detail as well as "Wedding Cake" Tower Detail with Storefront Construction

Hung Canopy



Structural Detail

During Construction



Finished Product on Site

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 to DVASE to use any copyrighted material submitted.

If selected as an award winner, you may be offered the opportunity to present your project at a DVASE breakfast seminar. Would you be willing to present to your colleagues? ☐ ***YES*** ☒ ***NO***

Submitted by:

Print name:	**Signature:**	**Date:**
Steve Kronenbitter, P.E.	Steven P. Kronenbitter	3-27-17

Submitting Firm:	AE:S (Architectural Engineering: Structures, P.C)	
Mailing address:	238 North 22nd Street Philadelphia, PA 19103	
Telephone: 215-665-8570	**Fax:** 215-561-5064	**Email:** skronenbitter@AE-Structure.com