



SEAN T. HOWARD

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SCHOOL
613 S. ALLEN ST
STATE COLLEGE, PA 16801

HOME
7106 LAKETREE CT
FAIRFAX STATION, VA 22039

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OBJECTIVE

To continue to gain working experience in the structural design field with my E.I.T. status and complete requirements for my professional license.

EDUCATION

The Pennsylvania State University, University Park, PA

B.A.E. in Architectural Engineering with Structural option

5-year professional ABET accredited program

Expected graduation date: May 2006

SKILLS + RELATED COURSEWORK

- **E.I.T. eligibility upon graduation**
- **Passed FE Exam in April 2005**
- Comprehensive knowledge of AutoCAD programs
- Familiar with STAAD III, RAM, RISA
- Proficient in Microsoft Word, Power Point, and Excel

COURSES:

- | | |
|-------------------------------------|----------------------------------|
| ▪ AE 481, 482 – Thesis Project | ▪ AE 402 – Steel Design |
| ▪ AE 431 – Advanced Concrete | ▪ AE 401 – Concrete Design |
| ▪ AE 403 – Advanced Steel | ▪ AE 444 (sp) – Advanced AutoCAD |
| ▪ AE 430 – Indeterminate Structures | ▪ AE 432 (sp) – Masonry |
| ▪ ABE 462 – Wood Design | ▪ AE 222 – AutoCAD |

WORK EXPERIENCE

Engineering Intern

2005

Mesen Associates, P.C., *Alexandria, VA*

- **Partook in the structural design of small office and retail buildings**
- Set up and drafted structural drawings in AutoCAD
- Administrated office tasks
- 40 hrs/wk
- Asked to return

Play coordinator

1998-2005

Fort Belvoir Golf Course, *Fort Belvoir, VA*

- Worked part time while working **full time at Mesen Associates**
- Scheduled daily tee times for patrons
- Assisted in coordinating major events and tournaments such as Member-Guest weekend

AWARDS

Eagle Scout, December 2000



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THESIS PROJECT

The Executive Tower, *Washington, DC*

Structural Option
Built December 2000
11 Stories + Penthouse
132,268 sqft
Class A Office

2005-2006



Structure:

Concrete flat slab system
24" sq columns
MAT Foundation

Proposal:

Addition of a 12th typical floor by means of:
- Converting to Post Tensioning slab
- Architecture redesign of first floor
- Mechanical redesign of duct work

ACTIVITIES + EXPERIENCES

- Golf
- Soccer
- Philmont Scout Ranch
Crew Chief in 2000
- Chicago Trip
- DC Trip

1998, 2000

Fall 2004

Spring 2004

REFERENCES

Available upon request