

Demolition and Hazardous Material Abatement

<u>Category:</u>	College, University	<u>Project ID #:</u>	1004155396
<u>Street Address:</u>	To Be Announced Blacksburg VA 24061	<u>Staff Estimate Value</u>	\$100,000.00
<u>County:</u>	Montgomery	<u>Stage:</u>	SUBBIDS: ASAP
<u>Bid Date:</u>	10/4/2016 , 02:00PM		
<u>Architect:</u>	Glave and Holmes Architects		
<u>Documents Available:</u>	Plans, Specs available in Insight		Plans available from Virginia Polytechnic Institute and State University
<u>Last Update:</u>	9/10/2016		Glave and Holmes Architects was added as Architect

Personal Notes

User	Note	Update Date	Private?
Adam Sweet	FLEXIBLE METAL PIPING BY OMEGAFLEX	9/12/2016	False

Notes

Scope Demolition and site work for an educational facility in Blacksburg, Virginia. Completed plans call for the demolition of a 64,306-square-foot educational facility; and for site work for a educational facility. Davidson Hall, Project Code: 208-18065-000-D at Blacksburg, VA. The project is generally described as a 28,944 sf. 4 story, masonry wall academic building. Sandy Hall, Project Code: 208-18065-000-D at Blacksburg, VA. The project is generally described as a 12,875 sf, 3 story plus basement, masonry wall academic building with a 5,427 sf, 3 story addition. Liberal Arts Building, Project Code: 208-18065-000-D at Blacksburg, VA. The project is generally described as a 14,744 sf, 3 story plus ground floor, masonry wall academic building with a 2,316 sf, 3 story plus ground floor addition. Demolition and abatement phase of renovations to academic buildings. A Bid Bond is required for each bid submitted.

Notes Development include(s): Demolition, Site Work Bids Open: 10/05/2016 02:00PM 230 Sterrett ZDrive, Blacksburg, VA. Pre-Bid Meeting: 09/13/2016 01:00PM Sterrett Facilities Complex Classroom at the Virginia Tech campus Bid Date: 10/04/2016 02:00PM University Design & Construction (MC0129), Suite 90, Sterrett Facilities Complex, Virginia Tech, 230 Sterrett Drive, Blacksburg, VA.

Details [Division 2]: Building Demolition, Hazardous Material Abatement, Clearing, Dewatering, Earthwork, Grading, Slope Protection & Erosion Control, Piles & Caissons, Paving & Surfacing, Water Systems, Sewerage & Drainage, Landscaping. [Division 3]: Architectural Concrete, Structural Precast Concrete, Architectural Precast Concrete, Concrete Restoration & Cleaning. [Division 4]: Clay Unit Masonry, Concrete Unit Masonry, Stone, Masonry Restoration & Cleaning. [Division 5]: Structural Steel, Metal Joists, Metal Decking, Metal Fabrications, Metal Stairs, Metal Railings, Ornamental Metals. [Division 6]: Rough Carpentry, Finish Carpentry, Architectural Woodwork. [Division 7]: Waterproofing, Insulation, Exterior Insulation & Finish Systems, Fireproofing, Firestopping, Shingles, Roofing Tiles, Manufactured Roofing & Siding, Membrane Roofing, Sheet Metal Roofing, Skylights. [Division 8]: Metal Doors, Wood Doors, Entrances & Storefronts, Metal Windows, Wood Windows, Hardware, Glass & Glazing. [Division 9]: Ceiling Suspension Systems, Lath & Plaster, Stucco, Drywall/Gypsum, Tile, Acoustical Ceilings, Wood Flooring, Resilient Flooring, Carpet, Painting, Wall Coverings. [Division 10]: Visual Display Boards, Compartments & Cubicles, Louvers & Vents, Directories, Interior Signs, Protective Covers, Partitions, Toilet & Bath Accessories. [Division 11]: Audio-Visual Equipment. [Division 12]: Rugs & Mats. [Division 14]: Elevators. [Division 15]: Mechanical Insulation, Fire Protection Systems, Plumbing Piping, Plumbing Fixtures, Water Heaters, Hydronic Piping, Steam & Steam Condensate Piping, HVAC Pumps, Packaged A/C Units, Air Handling, Ductwork, Testing & Balancing. [Division 16]: Service/Distribution, Interior Lighting, Exterior Lighting, Lightning Protection Systems, Alarm & Detection Systems, Public Address Systems, Television Systems.

Additional Details

<u>Listed On:</u>	9/3/2016	<u>Floor Area:</u>	64,306Square Feet
<u>Contract Type:</u>		<u>Work Type:</u>	Alteration
<u>Stage Comments 1:</u>		<u>Floors Below Grade:</u>	
<u>Stage Comments 2:</u>		<u>Owner Type:</u>	State/Provincial
<u>Bid Date:</u>	10/4/2016	<u>Mandatory Pre Bid Conference:</u>	
<u>Invitation #:</u>	208-18065-000-D	<u>Commence Date:</u>	11/3/2016
<u>Structures:</u>	2	<u>Completion Date:</u>	
<u>Single Trade Project:</u>		<u>Site Area:</u>	
<u>Floors:</u>		<u>LEED Certification Intent:</u>	
<u>Parent Project ID:</u>		<u>Units:</u>	
<u>Parking Spaces:</u>			

Project Participants

Company Role	Company Name	Contact Name	Address	Phone	Email	Fax
Architect	Glave and Holmes Architects		2101 E. Main St. , Richmond, VA 23223			(804) 343-3378
Consultant	Protection Engineering Group		14900 Bogle Dr. Ste. 200, Chantilly, VA 20151		info@pegroup-inc.com	(703) 488-9994
Landscape Architect	Higgins & Gerstenmaier, PLC		8501 Patterson Ave. , Richmond, VA 23229			(804) 740-1600
Structural Engineer	Keast & Hood Company		1350 NW Connecticut Ave. Ste. 412, Washington, DC 20036		dc@keasthood.com	(202) 223-1942
Owner	Virginia Polytechnic Institute and State University	Bob Blackwell	800 Washington St., SW. , Blacksburg, VA 24061	(540) 231-4775	rcb05@vt.edu	
Electrical Engineer, Mechanical Engineer	PACE Collaborative, P.C.	Brandon Wood	1277 Perimeter Pkwy. , Virginia Beach, VA 23454	(757) 499-7223	brandonw@pace-pme.com	(757) 301-6060
Electrical Engineer, Mechanical Engineer	PACE Collaborative, P.C.	James Bedois	1277 Perimeter Pkwy. , Virginia Beach, VA 23454	(757) 499-7223	jim@pace-pme.com	(757) 301-6060
Civil Engineer	Dewberry & Davis / Charlotte	Robert Notte	6135 Lakeview Road Suite 400, Charlotte, NC 28269	(704) 509-9918	snotte@dewberry.com	(704) 509-9937

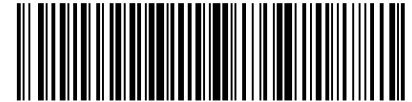
Contracts

Classification	Conditions	Bonding	Bid Date	Bids To	Bid Type
General Contractor			10/4/2016	Owner	Open Bidding

History

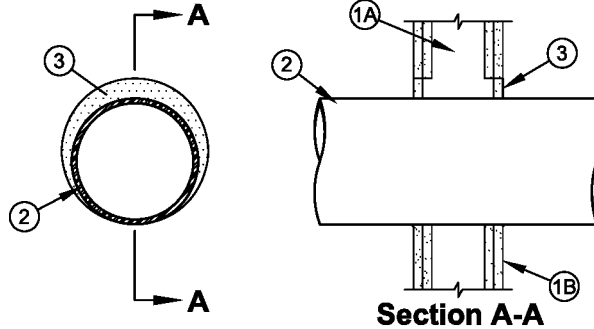
User	Viewed	First Viewed Date	Currently Tracked?	Date Tracked
Adam Sweet	True	9/12/2016	True	9/12/2016

System No. W-L-1222



F Ratings - 1 and 2 Hr (See Item 1)

T Ratings - 1/4, 3/4 and 1 Hr (See Item 2)



1. **Wall Assembly** - The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

- A. **Studs** - Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC.
- B. **Gypsum Board*** - Thickness, type, number of layers and fasteners as specified in the individual Wall and Partition Design. Max diam of opening is 10-5/8 in. (270 mm).

The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.

2. **Through Penetrant** - One metallic pipe, conduit or tube to be installed eccentrically or concentrically within the firestop system. Pipe, conduit or tubing may be installed at an angle not greater than 45 degrees from perpendicular. The annular space between the pipe, conduit or tube and the periphery of the opening shall be min 0 in. (0 mm, point contact) to max 2 in. (51 mm). Pipe, conduit or tube to be rigidly supported on both sides of the wall assembly. The following types and sizes of metallic pipes, conduits and tubes may be used:

- A. **Steel Pipe** - Nom 8 in. (203 mm) diam (or smaller) Schedule 5 (or heavier) steel pipe.
- B. **Iron Pipe** - Nom 8 in. (203 mm) diam (or smaller) cast or ductile iron pipe.
- C. **Conduit** - Nom 6 in. (152 mm) diam (or smaller) rigid steel conduit, nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT) or nom 4 in. (102 mm) diam (or smaller) flexible steel conduit.
- D. **Copper Pipe** - Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe.
- E. **Copper Tube** - Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tube.

Type of Penetrant	Max Diam	T Rating
Steel or iron pipe, steel conduit or EMT	2 in. (51 mm)	1 hr
Steel or iron pipe, steel conduit or EMT	8 in. (203 mm)	3/4 hr
Copper pipe or tube	4 in. (102 mm)	1/4 hr

2A. **Through Penetrating Product* - Flexible Metal Piping** - As an alternate to Item 2, one nom 1-1/4 in. (32 mm) diam (or smaller) steel flexible metal pipe to be installed either concentrically or eccentrically within the firestop system. The annular space between the pipe and the periphery of the opening shall be min 0 in. (0 mm, point contact) to max 2 in. (51 mm). Pipe to be rigidly supported on both sides of the wall assembly.

OMEGA FLEX INC
TITFLEX CORP
A BUNDY CO
WARD MFG INC

3. **Fill, Void or Cavity Material* - Sealant** - Min 5/8 in. (16 mm) thickness of fill material applied within annulus, flush with both surfaces of wall assembly. At point contact location, min 1/4 in. (6 mm) diam bead of fill material applied at metallic pipe/gypsum board interface on both surfaces of wall.

SPECIFIED TECHNOLOGIES INC - SpecSeal LCI Sealant

*Bearing the UL Classification Mark



Specified Technologies Inc. 210 Evans Way Somerville, NJ 08876

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