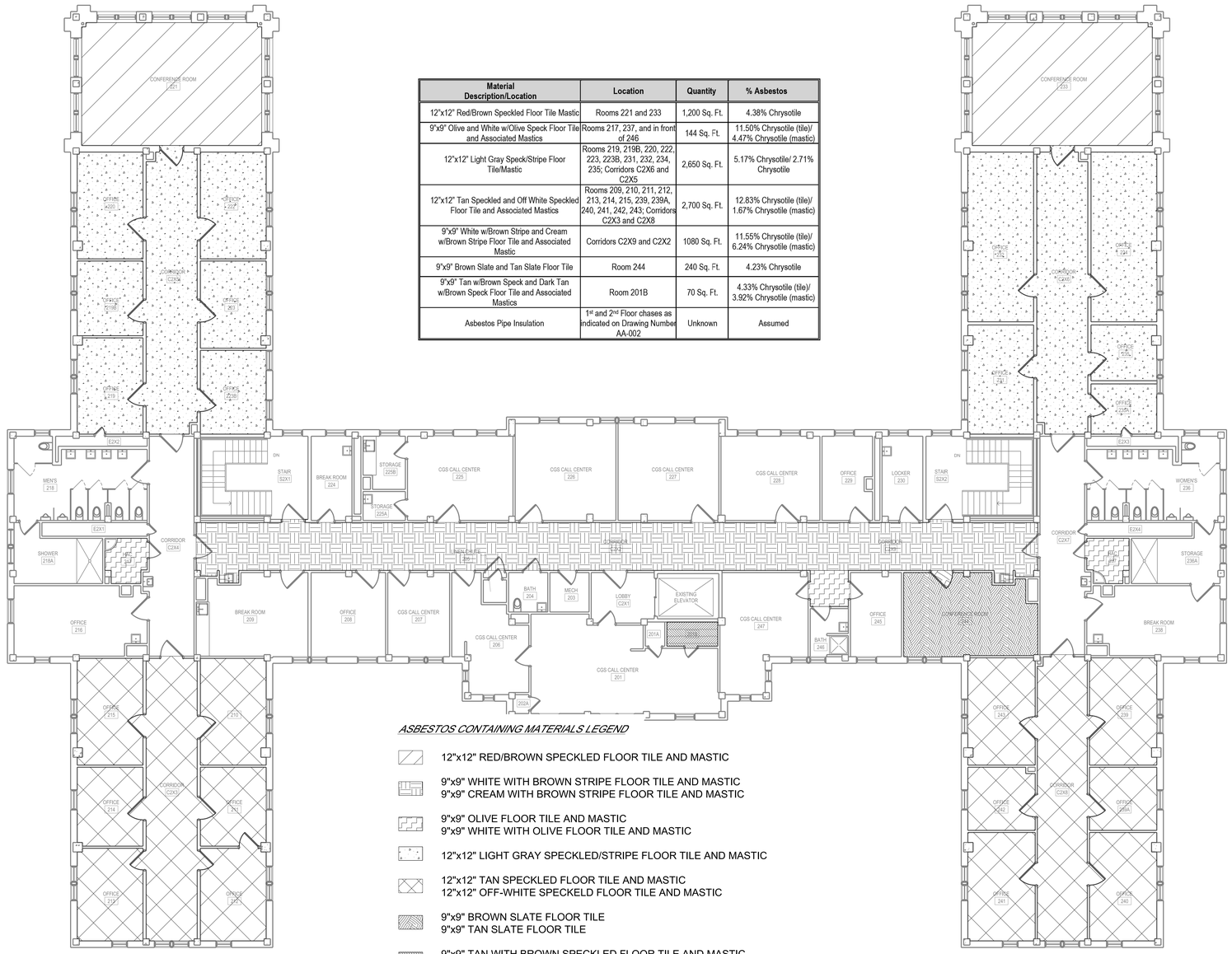
Material Description/Location	Location	Quantity	% Asbestos
12"x12" Red/Brown Speckled Floor Tile Mastic	Rooms 221 and 233	1,200 Sq. Ft.	4.38% Chrysotile
9"x9" Olive and White w/Olive Speck Floor Tile and Associated Mastics	Rooms 217, 237, and in front of 246	144 Sq. Ft.	11.50% Chrysotile (tile)/ 4.47% Chrysotile (mastic)
12"x12" Light Gray Speck/Stripe Floor Tile/Mastic	Rooms 219, 219B, 220, 222, 223, 223B, 231, 232, 234, 235; Corridors C2X6 and C2X5	2,650 Sq. Ft.	5.17% Chrysotile/ 2.71% Chrysotile
12"x12" Tan Speckled and Off White Speckled Floor Tile and Associated Mastics	Rooms 209, 210, 211, 212, 213, 214, 215, 239, 239A, 240, 241, 242, 243; Corridors C2X3 and C2X8	2,700 Sq. Ft.	12.83% Chrysotile (tile)/ 1.67% Chrysotile (mastic)
9"x9" White w/Brown Stripe and Cream w/Brown Stripe Floor Tile and Associated Mastic	Corridors C2X9 and C2X2	1080 Sq. Ft.	11.55% Chrysotile (tile)/ 6.24% Chrysotile (mastic)
9'x9' Brown Slate and Tan Slate Floor Tile	Room 244	240 Sq. Ft.	4.23% Chrysotile
9"x9" Tan w/Brown Speck and Dark Tan w/Brown Speck Floor Tile and Associated Mastics	Room 201B	70 Sq. Ft.	4.33% Chrysotile (tile)/ 3.92% Chrysotile (mastic)
Asbestos Pipe Insulation	1st and 2nd Floor chases as indicated on Drawing Number AA-002	Unknown	Assumed



ASBESTOS CONTAINING MATERIALS LEGEND

- 12"x12" RED/BROWN SPECKLED FLOOR TILE AND MASTIC
- 9"x9" WHITE WITH BROWN STRIPE FLOOR TILE AND MASTIC
  9"x9" CREAM WITH BROWN STRIPE FLOOR TILE AND MASTIC
- 9"x9" OLIVE FLOOR TILE AND MASTIC
  9"x9" WHITE WITH OLIVE FLOOR TILE AND MASTIC
- 12"x12" LIGHT GRAY SPECKLED/STRIPE FLOOR TILE AND MASTIC
- 12"x12" TAN SPECKLED FLOOR TILE AND MASTIC
  12"x12" OFF-WHITE SPECKELD FLOOR TILE AND MASTIC
- 9"x9" BROWN SLATE FLOOR TILE
  9"x9" TAN SLATE FLOOR TILE
- 9"x9" TAN WITH BROWN SPECKLED FLOOR TILE AND MASTIC
  9"x9" DARK TAN WITH BROWN SPECKLED FLOOR TILE AND MASTIC

1 EXISTING SECOND FLOOR PLAN
1/8" = 1'-0"

GENERAL NOTES

1. Asbestos-Containing Flooring and Mastic Removal - The Contractor shall remove and dispose of all designated floor tile, floor sheeting and asbestos containing mastic from the work area where indicated on the AA101 and AA102 Drawings.

Contractor is responsible for removal of all asbestos flooring materials, including all floor tile, floor sheeting and mastic that may be present under partition walls that are scheduled for removal within the designated work area.

The Contractor shall remove and dispose of all non-asbestos containing carpeting and cove base, from within the designated asbestos work area, The Contractor shall use manual wet methods to control the release of dust when performing the removal of all asbestos and all non-asbestos materials from the work area.

All asbestos removal work shall be conducted within a negative pressure containment. A negative air pressure of at least -0.02 inches of water column, as measured at any work area perimeter location, shall be provided at all times during asbestos removal. Negative air pressure shall be created in the work area using HEPA filtered exhaust and exhausted to the outdoors. These HEPA filtered exhaust units will be used to generate at least four air changes per hour inside the work area. Negative air pressure in the work area shall be continuously monitored through the use of digital manometers posted outside the work area. At a minimum, two (2) digital manometers shall be used to continually monitor the work area's negative air pressure.

The Contractor shall seal and protect all work surfaces with 2 layers of plastic sheeting as required by Section 2.2.1-7.

2. Mastic Removal Method – The Contractor shall remove the asbestos-containing mastics present in the work area using a HEPA-filtered abrasive shot blasting machine or mastic removal solvents. Solvent use shall only be allowed after the provisions of solvent samples are provided to the VA for evaluation of odor and VOCs. If solvent use is approved, all solvent work shall be conducted during off working hours.

The Contractor shall use the following engineering controls/work practices when utilizing abrasive shot blasting equipment:

A. Adequate negative air pressure in the work area shall be maintained at all times during the use of the shot blasting equipment. If at any time the negative air pressure within the work area falls below -0.02" inches of water column, the Contractor shall stop work with the shot blasting equipment and make the necessary repairs to re-establish the appropriate negative air pressure in the work area.

B. If the shot blasting equipment is connected to a separate HEPA vacuum for dust collection, the Contractor is required to change out the HEPA-filter bags (when necessary) with the shot blasting equipment positioned within close proximity (1 foot or less) of a negative air pressure machine operating in the work area.

If the shot blasting equipment is not equipped with a separate HEPA vacuum dust collection system, then the contractor shall provide and construct a, four-sided enclosure constructed with six-mil flame retardant plastic sheeting in the work area with a negative air pressure machine attached to the front of the enclosure to facilitate the emptying of the shot blasting equipment. The shot blasting equipment shall be placed into this enclosure prior to empting the shot blasting machine waste as needed to maintain operating efficiency.

C. The Contractor shall thoroughly HEPA vacuum and wet-wipe the shot blasting equipment once the use of the equipment is complete. The Contractor shall then seal the shot blasting equipment with a layer of six-mil flame retardant plastic sheeting and leave the equipment in place in the work area during final clearance air sampling. Once the work area has passed final clearance air sampling successfully, the Contractor may move the shot blasting equipment out of the work area (still wrapped in the plastic sheeting).

D. Contractor shall use a shot blast edging machine to remove mastic along room edges and doorway thresholds as needed to achieve complete removal of mastic. Contractor may also use manual scrapping methods along edges.

The accumulated asbestos-containing mastic debris shall be disposed of as FRIABLE asbestos waste. All asbestos-contaminated floor tiles and floor sheeting shall be disposed of as NON-FRIABLE asbestos waste.

3. Personal/Waste Decontamination Enclosure Location - The contractor shall construct and design separate personnel and waste decontaminlation chambers in accordance with Section 1.9. Placement of the decontaminlation chambers within the work area is required. Therefore Contractor is required to relocate the decontamination chamber as needed to conduct the abatement of the flooring material under the initial decontamination chamber location in a separate phase.

4. Sprinkler Heads and Smoke Detectors - The ceiling of the work area shall be sealed with two-layers of flame retardant 6-mil plastic sheeting. The plastic sheeting shall not cover sprinkler heads. Sprinkler heads shall remain functional throughout the project. The Contractor shall arrange to have any smoke detectors in the work area isolated from the main fire system and shall cover them with plastic sheeting to protect them from dust and water contamination.

5. Elevator Access - Abatement of flooring in front of elevators shall be conducted as a set of three separate phases. Contractor shall coordinate scheduling of abatement work that impacts elevator access with designated VA Representative. Contractor shall seal elevator opening with hard wall barrier and two layers of 6 Mil plastic sheeting.

6. Temporary GFCI Power - All power used to run contractor equipment and lights within the regulated work area shall be connected to a GFCI power panel. The contractor shall provide and install the GFCI panel. GFCI panel shall be installed and connected to a power distribution panel located on the floor where work is to be conducted. The contractor shall retain a licensed electrician to connect the temporary GFCI power panel. The connection of the temporary panel shall be coordinated with the designated VA Representative.

7. For full containment work areas, the Contractor shall maintain negative pressure and record the pressure, using a recordable manometer, 24 hours per day, 7 days per week, until final clearance of each work area is achieved.

8. The floor tile and mastic and cove base and mastic may extend underneath walls, closets, tables, heating units, etc. The Contractor shall remove all asbestos-containing floor tile and mastic and cove base and mastic located under walls, closets, tables, heating units, etc.

9. The work covered includes the handling and control of asbestos containing materials to protect workers, the environment and area, or both, from contact with airborne asbestos fibers. The work also includes the disposal of any asbestos containing or contaminated materials generated by the work. The intent of the abatement work is to remove all ACM and make the work area environmentally safe for the renovation project in this work area.

10. The Contractor shall notify the VA of the planned asbestos abatement work a minimum of (4) weeks prior to the start of any work to allow for the 3' party air monitoring scheduling.

PROJECT NORTH

FULLY SPRINKLERED BID DOCUMENTS

#	Revision	Date

CONSULTANTS:

SKELLY AND LOY, INC.
3280 WILLIAM PITT WAY
PITTSBURGH, PA 15238
800-340-7538

SEAL

ARCHITECTS/ENGINEERS:

AE WORKS
6587 Hamilton Avenue
Pittsburgh, Pennsylvania 15206
Ph: 412.287.7333 Fax: 412.287.7334
www.ae-works.com
AE Works Project Number: 16009

Drawing Title
ASBESTOS ABATEMENT
SECOND FLOOR

Approved: Project Director

Project Title: BUILDING 6, SECOND FLOOR

Location: 400 Fort Hill Avenue, Canandaigua, NY 14424

Date: 05/05/2017 **Checked:** DJD **Drawn:** BSR

Project Number 528A5-16-501

Building Number 6

Drawing Number ASB-101

Dwg. **of**

Office of Construction and Facilities Management
Department of Veterans Affairs

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