

# STATE BOARD MEETING AGENDA

## Board members

Jay Reich, Chair // Phyllis Gutierrez Kenney, Vice Chair // Carol Landa McVicker // Ben Bagherpour  
 Fred Whang // Crystal Donner // Chelsea Mason // Martin Valadez // Mack Hogans  
 Jan Yoshiwara, Executive Director // Beth Gordon, Executive Assistant  
 Statutory Authority: Laws of 1991, Chapter 28B.50 Revised Code of Washington

## December 1 Regular Meeting

- |                   |   |                       |
|-------------------|---|-----------------------|
| <b>8:30 a.m.</b>  | <b>Welcome and Board Member Introductions</b><br><i>Jay Reich, Chair</i>  |                       |
| <b>8:33 a.m.</b>  | <b>Establish a quorum and a doption of meeting agenda</b><br><i>Jay Reich, Chair</i>  |                       |
| <b>8:35 a.m.</b>  | <b>Approval of Consent Agenda</b><br><ul style="list-style-type: none"> <li>a. Highline College, local expenditure increase, building 12 renovations<br/>Resolution 21-12-55</li> <li>b. October 21, 2021, State Board meeting minutes</li> </ul> | Tab 1<br>(Action)     |
| <b>8:40 a.m.</b>  | <b>Strategic Plan Implementation - Advocacy</b><br><i>Laura McDowell, Communications Director</i><br><i>Arlen Harris, Legislative Director</i>  | Tab 2<br>(Discussion) |
| <b>10:15 a.m.</b> | <b>Statewide Marketing Campaign Update</b><br><i>Laura McDowell, Communications Director</i><br><i>Katie Rose, Communications and Marketing Associate</i>   | Tab 3<br>(Discussion) |
| <b>11:00 a.m.</b> | <b>2023-25 Operating Budget Development Process</b><br><i>Cherie Berthon, Operating Budget Director</i>   | Tab 4<br>(Discussion) |
| <b>11:30 a.m.</b> | <b>Lunch Break</b>  |                       |
| <b>12:30 p.m.</b> | <b>Consideration of Alternative Methods of Prioritizing and Presenting the Capital Request for the 2023-25 Biennium</b><br><i>Wayne Doty, Capital Budget Director</i><br><b>Resolution 21-12-56</b>   | Tab 5<br>(Action)     |
| <b>1:00 p.m.</b>  | <b>Consideration of Emergency Funding Requests for Pierce College Fort Steilacoom Olympia South Building Asbestos Abatement</b><br><i>Wayne Doty, Capital Budget Director</i><br><b>Resolution 21-12-57</b>                                       | Tab 6<br>(Action)     |
| <b>1:30 p.m.</b>  | <b>Student Association Legislative Priorities</b><br><i>Joe Holliday, Director of Student Services</i><br><i>Yokiko Hayashi-Saguil, Policy Associate, Student Services</i>  | Tab 7<br>(Discussion) |

2:00 p.m.	<b>Consideration of 2022 Legislative Agenda and Priorities</b> <i>Arlen Harris, Legislative Director</i> <b>Resolution 21-12-58</b>	Tab 8 (Action)
2:30 p.m.	<b>Break</b>	
2:40 p.m.	<b>ACT Report</b> <i>Doug Mah, President, ACT</i>	
2:50 p.m.	<b>WACTC Report</b> <i>Christine Johnson, Chancellor, Spokane Colleges</i>	
3:00 p.m.	<b>Labor Report</b> <i>Carla Naccarato-Sinclair, Washington Education Association</i> <i>HyeEun Park, American Federation of Teachers</i>	
3:10 p.m.	<b>Apprenticeships</b> <i>Marie Bruin, Director of Workforce Education</i>	Tab 9 (Discuss)
4:10 p.m.	<b>Public Comment</b>	
4:15 p.m.	<b>Executive Director Report</b> <i>Jan Yoshiwara, Executive Director</i>	
4:45 p.m.	<b>Board Discussion</b>	Discuss
5:00 p.m.	<b>Adjourn – Next Meeting, February 2-3, 2021</b>	

**EXECUTIVE SESSION:** Under RCW 42.30.110, an Executive Session may be held. Action from the Executive Session may be taken, if necessary, as a result of items discussed in the Executive Session. **PLEASE NOTE:** Times above are estimates only. The Board reserves the right to alter the order of the agenda. Reasonable accommodations will be made for persons with disabilities if requests are made at least seven days in advance. Efforts will be made to accommodate late requests. Please contact the Executive Director's Office at 360-704-4309.



## STRATEGIC PLAN UPDATES

*“Leading with racial equity, our colleges maximize student potential and transform lives within a culture of belonging that advances racial, social, and economic justice in service to our diverse communities.”*

### Strategy 1 - Implement actions, policies and investments that produce equitable outcomes.

#### *Accomplishments to date:*

- A new Equity, Diversity, and Inclusion office was created at the State Board to support the growing equity efforts at the colleges, within the agency, and across state government. The team will be fully staffed beginning Nov. 2021 and includes a director, policy associate, and administrative assistant.
- Cross-institutional leadership/professional development programs, such as the Faculty of Color mentoring and Administrators of Color leadership development programs, are being re-established after a short training pause due to COVID-19. Support and guidance for the programs have been re-aligned to the new office.
- The State Board supported the development of the first Association of College Trustees - Trustees of Color affinity group which included 18 attendees from across the state in its initial meeting,
- Organized meetings between State Board office of equity, college equity and diversity officers, and the trustees Equity, Diversity, and Inclusion committee to discuss mutual interests and supports, including trustee selection and onboarding, professional development, and outreach to communities of color to encourage financial aid completion.

#### *Current focus:*

- Providing on-going guidance and support to the Diversity and Equity Officers Commission in their leadership roles for advancing the equity agenda on their campuses, including technical assistance and guidance for the deliverables in E2SSB 5227 and E2SSB 5194.
- Providing continuous support for the presidents' and trustees' equity committees' work.
- Reviewing the Equity, Diversity and Inclusion professional development needs of the agency and considering approach and scalability of offerings.

## **Strategy 2 - Implement research-based strategies that are proven to improve completion rates for all students. These strategies include Guided Pathways and Career Launch programs.**

### *Accomplishments to date:*

- State Board presentation in October focusing on completion rates and strategies, highlighting students in Career Launch programs at Columbia Basin College, and those participating in the Guided Pathways IDEAL fellows program.
- Submitted accountability report to the Workforce Education Investment Act Oversight Board for its annual report to the legislature, focusing on progress related to Guided Pathways, Career Launch, and nursing educator and high demand faculty salaries.
- Administered 218 FTE and \$5 million equipment for Career Launch endorsed programs to date. A second round of awarding these funds is currently underway.
- State Board staff and college representatives presented to Governor Inslee on Career Launch programs at a recent Public Performance Review presentation organized by Results Washington, the Governor's state government accountability system.
- Successful Guided Pathways Fall Retreat offered virtually to college and State Board leadership with 230 participants.
- The policy research team continues to update and enhance a series of student outcomes dashboards that include key performance indicators, such as college-level math attainment in the first year, retention and completion rates, which the colleges can disaggregate by race and use to track their progress in guided pathways implementation.

### *Current focus:*

- Increasing transparency and communication about the Guided Pathways Learning Agenda; offering focused faculty trainings; and providing Guided Pathways coaching support to all colleges.
- Leadership transition for the Student Success Center (Guided Pathways) Director.
- Expansion of Career Launch endorsed programs and growth of current programs.

## **Strategy 3 - Enroll more diverse students of all ages and backgrounds in our colleges, increasing their access to higher levels of education, higher salaries and greater financial security.**

### *Accomplishments to date:*

- Consolidated dual credit responsibilities into a new director level position to focus on dual credit and K-12 alignment. Successful hire in Spring 2021 (Jamie Traugott).
- Worked with colleges to set up Bachelor of Science in Computer Science infrastructure and processes so colleges can submit Statements of Need by the dates outlined in the legislation.
- Successfully offered a statewide webinar (Oct. 2021) on Tribal Relations and Curriculum Development Pathways for American Indian and Indigenous Studies.

- Launched statewide outreach campaign focusing on increasing students of color and low income students in dual credit programs, especially Running Start. This included a tool kit for colleges to customize outreach in their districts.

*Current focus:*

- Continue Direct Admissions work, including updating tool kit on outreach to low income students and students of color.
- In collaboration with colleagues from the Independent Colleges of Washington and the Council of Presidents, a College Going Culture workgroup is getting underway to focus on statewide support of a college going message for all Washingtonians across the higher education sectors. This workgroup is seeking external support to continue this outreach effort.
- WACTC Critical Issues Committee continues to focus on dual credit. Will be meeting with Washington RoundTable staff during the Dec. 2021 committee meeting.
- Aim Higher, a cross-agency workgroup on financial aid application completion and training, enters into its third year of work with more than 500 volunteers trained.
- Submission of College Spark Equity Education Grant to further the work of the Tribal Relations and Curriculum Development Pathways Project. To be decided in Jan. 2022.
- Collaboration is underway with the Office of the Superintendent of Public Instruction to expand Running Start opportunities for students experiencing learning loss from the pandemic.
- Phase Two of the Career and Technical Education Dual Credit work group (funded by Perkins) is underway with recommendations for statewide implementation by Spring 2022.

## **Strategy 4 - Strengthen advocacy and community partnerships.**

*Accomplishments to date:*

- Large scale advocacy efforts led to consecutive biennial operating and capital investments for the college system.
- Successful partnerships with labor and business.
- Strong cohesive messaging and participation by the college system.
- Launched phase 2 of the statewide long term advocacy task force.

*Current focus:*

- Coordinated messaging going forward with college system stakeholders and supporters.
- Statewide marketing campaign to increase college access, especially for low income communities and communities of color.
- Legislative priorities for 2022 60-day legislative session.

## Strategy 5 - Improve the college system's long-term financial sustainability and infrastructure.

### *Accomplishments to date:*

- WACTC discussed college fiscal health and funding options at its July 2021 retreat.
- The State Board submitted its 2022 supplemental capital and operating budget requests to the Governor's budget office in September 2021.
- Staff arranged a meeting between the OFM director and college presidents in November.
- Staff completed a draft report to the legislature on alternative approaches to the college system's capital budget request for Board approval.

### *Current focus:*

- The State Board's biennial facility condition survey was started in February and will be done in December 2021.
- State Board and college staff are implementing the projects funded in the 2021-23 biennial capital budget.
- The entire college system is advocating for the State Board's 2022 supplemental operating and capital budget requests.

## **CONSENT ITEM (RESOLUTION 21-12-55)**

December 1, 2021

Tab 1a

### **Highline College increase local capital expenditure authority for building 12 renovations**

#### **Brief Description**

Highline College seeks approval to spend up to an additional \$250,000 in local funds to complete renovations in building 12.

#### **How does this item link to the State Board's Strategic Plan?**

This project will support student success and retention by using campus facilities efficiently.

#### **Background information and analysis**

Highline College is currently completing system upgrades and space renovations to accommodate the Human Resources department and Office of the President in building 12. Due to energy code requirements from the city, the college is required to re-roof the building.

The total project cost is now estimated to be \$2,865,000. The college received prior approval in State Board Resolutions 20-08-39 and 21-05-16 for a total of \$1,663,000 in local expenditure authority. The college also used \$952,000 in state funds during the last biennium for building system updates. The college is seeking authority to spend up to an additional \$250,000 in local funds for this project.

Highline College's vice president of administrative services, with delegated authority by the Board of Trustees, approved this request on October 22, 2021.

#### **Potential questions**

Is this project consistent with the State Board's goal of increasing enrollment and completions?

#### **Recommendation/preferred result**

Staff recommends approval of Resolution 21-12-55 giving Highline College the authority to spend up to an additional \$250,000 in local funds to renovate building 12.

Policy Manual Change Yes  No

Prepared by: Wayne Doty, capital budget director  
wdoty@sbctc.edu

**STATE OF WASHINGTON**  
**STATE BOARD FOR COMMUNITY AND TECHNICAL COLLEGES**  
**RESOLUTION 21-12-55**

A resolution relating to Highline College's request to spend up to an additional \$250,000 in local funds to complete renovations in building 12.

**WHEREAS**, Highline College is completing system upgrades and space renovations to accommodate the Human Resources department and Office of the President in building 12; and

**WHEREAS**, current city energy codes require the building roof be replaced; and

**WHEREAS**, the college received prior approval to spend up to \$1,663,000 in local funds in State Board Resolutions 20-80-39 and 21-05-16 and used \$952,000 in state funds during the last biennium; and

**WHEREAS**, the total estimated project cost is now \$2,865,000; and

**WHEREAS**, Highline College's vice president of administrative services, with delegated authority by the Board of Trustees, approved this request on October 22, 2021; and

**THEREFORE BE IT RESOLVED**, that the State Board for Community and Technical Colleges authorizes Highline College to spend up to an additional \$250,000 in local funds to complete building 12 renovations; and

**BE IT FURTHER RESOLVED**, that the State Board for Community and Technical Colleges authorizes the Executive Director to make adjustments to this action, including any necessary changes to the State Board's Policy Manual, as necessary, for actions taken by the Governor, Legislature, data corrections, externally imposed restrictions or guidelines, uniform accounting and reporting requirements, and unanticipated changes in state or federal law.

**APPROVED AND ADOPTED** on 12/01/2021

Attest

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Jan Yoshiwara, secretary

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Jay Reich, chair





## STATE BOARD MEETING MINUTES

Thursday, October 21, 2021

### Board members

Jay Reich, chair // Phyllis Gutierrez Kenney, vice chair // Carol Land McVicker // Fred Whang  
Ben Bagherpour // Crystal Donner // Chelsea Mason // Martin Valadez // Mack Hogans  
Jan Yoshiwara, Executive Director // Beth Gordon, Executive Assistant  
Statutory Authority: Laws of 1991, Chapter 28B.50 Revised Code of Washington

### Call to order and adoption of agenda

Vice Chair Phyllis Gutierrez Kenney called the meeting to order at 9:00 a.m., welcomed those present, and requested a motion to adopt the agenda.

**Motion:** Moved by Fred Whang, seconded by Chelsea Mason, and unanimously approved by the Board the adoption of the October 21, 2021, meeting agenda as presented.

### Approval of Consent Agenda

- a. Clark College - Proposed Bachelor of Applied Science, Teacher Education Preschool, Grade 3 Resolution 21-10-48
- b. Highline College - Proposed Bachelor of Applied Science in Early Childhood Education Resolution 21-10-49
- c. Pierce College - Proposed Bachelor of Applied Science in Construction Management Resolution 21-10-50
- d. Yakima Valley College - Proposed Bachelor of Applied Science in Agricultural Sciences Resolution 21-10-51
- e. Everett Community College local capital expenditure authority for Index lawn amphitheater and outdoor improvements Resolution 21-10-52
- f. Spokane Community College local capital expenditure authority for Building 19 renovations Resolution 21-10-53
- g. August 27, 2021, State Board meeting minutes

**Motion:** Moved by Martin Valadez seconded by Carol Landa McVicker and unanimously approved by the Board the adoption of the October 21, 2021, consent agenda.

## Capital Budget Planning

Staff presented to the Board on the following topics:

- An update on the 2022 supplemental capital request authorized in resolution 21-06-35
- Current facility conditions and utilization
- A discussion on the possible post-pandemic need for college facilities
- How new college facility needs are to be identified for the Board's 2023-25 capital request
- A draft report on alternative methods of prioritizing and presenting the 2023-25 capital budget request for the community and technical colleges

Board members discussed that the guiding principles and preferred prioritization process described in the draft report is consistent with State Board goals. Based on feedback from the State Board and continued staff work with the system, the report will be finalized for consideration at its next regular meeting.

## Whatcom Community College presentation on Cybersecurity

There is a severe shortage of cybersecurity professionals, putting digital privacy and infrastructure at risk. Future workforce needs are further impacted by variables such as anticipated industry growth, emerging technologies, and personnel retirements. Demand for emerging technology skills and experiences continue to grow as employers across industries pursue digital transformation strategies. Over the past five years, job posting volume surged 190 percent, as employers sought skills and expanded roles in areas such as emerging infrastructure, emerging hardware, artificial intelligence, data, and next-generation cybersecurity.

The shortage of cybersecurity workers exists across the nation, but it is even more pronounced in Washington State. According to CyberSeek.org, a project supported by the National Initiative for Cybersecurity Education with a goal of helping close the cybersecurity skills gap, Washington State this year has 24,190 individuals employed in the cybersecurity workforce, but there are nearly 10,000 cybersecurity job openings. The supply of workers in Washington is classified as "very low" with a supply/demand ratio of 2.4, compared to 2.1 nationally.

Community and technical colleges are on the cutting edge of cybersecurity education. One leading example of this cybersecurity prowess is Whatcom Community College's cybersecurity program. In late August, Whatcom Community College's president, Dr. Kathi Hiyane-Brown, represented all community and technical colleges in the country at a White House Summit on National Cybersecurity. Whatcom Community College was recognized because of its leadership in co-founding the National Cybersecurity Training and Education Center. The Center advances cybersecurity education in the United States by investing in technological innovation, resources, professional development, and tools to support faculty, colleges and universities, and the workforce pipeline of tomorrow. Dr. Kathi Hiyane-Brown and her staff held a robust discussion with the Board on the topic.

## Allocation Methodology for Faculty Conversions in E2SSB 5194 (Resolution 21-10-54)

Last session the Legislature passed E2SSB 5194, a complex bill related to diversity, equity and inclusion efforts. Section 5 of the bill provided for 200 additional full-time faculty, to be accomplished by converting part-time positions to full-time positions. The \$5.4 million in new funds begin next fiscal year on July 1, 2022. In order to begin the planning process for these new positions, the details of the allocation must be available to colleges as soon as possible.

Business officers and presidents have considered several allocation methods for the \$5.4 million and 200 faculty conversions beginning next fiscal year. Typically, the system uses metrics that reflect Legislative intent and consider the difference in district size. In these deliberations, faculty size, the share of part-time faculty and the share of historically underrepresented students of color were explored. Both business officers and presidents strongly supported a hybrid approach blending faculty size and share of historically underrepresented students of color. This approach was selected to honor the intent of the E2SSB 5194 –to diversify college faculty in order to improve outcomes for historically underrepresented students of color. The 200 conversions were funded by the Legislature at \$27,000 each. This allocation method distributes the 200 conversions in whole numbers and increments of \$27,000 to maintain consistent expectations and funding levels at each district.

Motion: Moved by Martin Valadez seconded by Mack Hogans and unanimously approved by the Board the adoption of Resolution 21-10-54, approving the allocation of 200 faculty conversions provided for in section five of E2SSB 5194.

## 2022 Legislative Agenda and Priorities Preview

The board was updated on the 2022 legislative agenda and priorities in preparation for Board action at the December Board meeting. The primary focus entering the 2022 legislative session is a sustainable operating budget for the college system, the capital budget request, and legislation supporting Basic Education for Adults.

## ACT Report

Doug Mah, President, ACT, reported on the following topics:

- Current trustee board vacancies and new appointments.
- ACCT Leadership Congress attendance. The congress was focused on diversity, equity and inclusion.
- ACT Annual retreat was held in August. The main focus was on ACT 2.0 a strategic discussion and reexamination of how ACT can continue to evolve and support the system.
- Aspen institute partnership in the works.
- Presidents Assistants group partnerships.
- Trustees of Color affinity group pilot kicking off this year.
- ACT fall conference in November will be a virtual event again this year due to covid.
- Next Trustee Tuesday is scheduled for November 14.

## WACTC Report

Christine Johnson, Chancellor, Spokane Colleges, reported on the following topics:

- Governor Inslee's October 18, 2021, vaccine mandate and the high system compliance across the entire system.
- The presidents are solidly focused on the enrollments and equity across the entire system. Every college contributed to a state-wide marketing campaign.

## Labor Report

Carla Naccarato-Sinclair, Washington Education Association, reported on the following topics:

- Governor Inslee's October 18, 2021, vaccine mandate for state employees.
- Covid bargaining, faculty workload and safety.
- Enrollment decline concerns and partnering on solutions.
- Support for adjunct faculty in creating more parity in pay.

## Public Comment

- Karen Strickland, American Federation of Teachers, thanked the Board for the time during the study session for the adjunct faculty and noted questions about the allocation model process going forward.

## Executive Director Report

Jan Yoshiwara, Executive Director

- Allocation model development and timeline.
- North Seattle ground lease and longhouse community project update.
- Part-time faculty Best Practices survey timeline, future reporting and follow up.

## Board Discussion

- Board members discussed future potential items including a look at apprenticeships and the new state-wide marketing campaign.

## Adjournment/next meeting

There being no further business, the State Board adjourned its October 21, 2021, regular meeting at 12:38 p.m. The next meeting is scheduled for December 1-2, 2021.

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Jan Yoshiwara, Secretary

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Phyllis Gutierrez Kenney, Vice Chair

## REGULAR ITEM

December 1, 2021

Tab 2

### Advocacy Strategic Plan Implementation

#### Brief Description

The board will be updated on implementation of the Long-Term Strategic Advocacy and Messaging Plan.

#### How does this item link to the State Board's Strategic Plan?

This item is consistent with strategy four of the State Board's strategic plan: "Strengthen advocacy and community partnerships."

#### Background information and analysis

At its retreat in 2017, the State Board elevated legislative advocacy and communications as a priority for our community and technical college system. Over the ensuing year, the Board's Long-Term Strategic Advocacy and Communications Task Force worked with a public affairs firm, Sound View Strategies, to create a long-term advocacy and communications plan, which was endorsed by the State Board in October 2018.

In developing the plan, the task force and Sound View Strategies conducted extensive research that included:

- Personal interviews with key members of the Legislature, the governor's office and other influential leaders.
- Online surveys with community-based organizations, business and labor leaders, and people within our own college system.
- A 700-person public opinion poll demographically and geographically representative of our state.

The resulting plan contained strategies for building an advocacy network to grow legislative support for our students and colleges, and messaging that captures what people value most about our colleges. The messaging component of the plan allows our college system to "speak with one voice" while reflecting the public's perceived value of the role we play in lives and local communities.

During this presentation, the State Board will:

- Hear how our college system is building and strengthening an advocacy network according to the Long-Term Strategic Advocacy and Messaging Plan.
- Review key messages that are woven throughout all college system communications.
- Participate in break-out groups to discuss what's worked in the past, what could be improved, and where we should go next.

## Potential questions

- What key issues will our college system face entering into the 2022 legislative session?
- How do our college system's budget requests align with the Governor's priorities?
- How are we building mutually beneficial relationships with other organizations to advance our legislative goals?

## Recommendation/preferred result

State Board members will have an opportunity to discuss and plan advocacy strategies for the 2022 legislative session and beyond.

Policy Manual Change Yes  No

Prepared by: Laura McDowell, Communications Director, [lmcdowell@sbctc.edu](mailto:lmcdowell@sbctc.edu)

Arlen Harris, Legislative Director, [aharris@sbctc.edu](mailto:aharris@sbctc.edu)

## REGULAR ITEM

December 1, 2021

Tab 3

### Statewide Marketing Campaign update

#### Brief Description

The board will be updated on the 2021-2022 statewide marketing campaign underway in support of enrollment at community and technical colleges.

#### How does this item link to the State Board's Strategic Plan?

**Enroll more diverse students of all ages and backgrounds:** The statewide advertising campaign is aimed at populations traditionally underserved in higher education, like people of color. An intentional recruiting campaign will help encourage students from these populations to apply and attend one of our community or technical colleges.

#### Background information and analysis

At its April 30, 2021, meeting, the college presidents voted to implement a statewide marketing campaign with the goal of increasing awareness of, and enrollments in, community and technical colleges. Each college contributed \$30,000 to the campaign.

State Board staff subsequently negotiated and entered into a sole source contract with Interact Communications, a national marketing agency focused on the two-year college sector. The campaign will run from December 2021 through mid-September 2022, with emphasis on the lead up to each academic quarter.

#### Audience

The campaign audience is defined as:

- Under-represented populations/people of color/males
- Unemployed or underemployed adults who want to take a step forward in their lives by upgrading their skills and knowledge – whether they want to train for a career or transfer to a university.
- Ages 19-45
- Personal income of \$97,000 or less (As of June 30, 2021, when the contract was signed, this is the threshold for a four-person family to get at least some level of state financial aid through the Washington College Grant. Families making \$53,000 or less receive financial aid that completely covers the cost of tuition.)
- Considering going to college in the near future.

#### Deliverables

The campaign deliverables are:

- Marketing plan for this statewide campaign that colleges can also use for their own purposes.

- Advertisements (creative assets) for the statewide campaign that colleges can also brand for their own colleges.
- A landing page (where people who click on the ad “land” to get more information) that includes:
  - Financial aid information
  - Program search
  - Lead generation form for each college
- Ad purchasing and placement
- A database of potential student leads from College App. This list will include people 18+ years old who are interested in going to college.

### Ad concept

Developed with college communications and marketing professionals, with input from presidents and chancellors, and a focus group of student volunteers, the campaign will use the tagline: “Big Future. Small Price Tag.”

This concept is meant to hit hard on the cost-saving benefits of going to a community or technical college, but also has an aspirational tone around how students will have a brighter future by enrolling in one of our colleges. Examples of how this concept could be used:

*Big Future. Small Price Tag.*

*A high paying career in just 2 years*

*Washington’s community and technical colleges*

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*Big Future. Small Price Tag.*

*Arrive at the university of your choice with a degree in math and more money in your pocket!*

*Washington’s community and technical colleges*

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*Big Future. Small Price Tag.*

*Thousands of people just like you get financial help to move ahead*

*Washington’s community and technical colleges*

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*Big Future. Small Price Tag.*

*Train for a career in as little as xx months*

*Washington’s community and technical colleges*



## Timeline

This is a rolling campaign. Interact will make ad purchases at times of year when students are most likely to enroll, to include fall quarter 2022.

## Progress (as of Nov. 17)

- Public Information Commission advisory group formed.
- Research done:
  - Survey of students in workforce, BFET, worker retraining, Opportunity Grants.
  - Survey of social media habits among our students overall completed through Interact's Media Preferences Survey.
- Ad concept "Big Future. Small Price Tag." chosen in consultation with college communications and marketing professionals, presidents and chancellors, and a focus group of student volunteers.
- Statewide marketing plan nearly complete. This will help drive the statewide campaign but colleges can use it as a template for their own local marketing campaigns.
- College App database of potential students was divided by college district and sent to each college.
- College programs sent to Interact for program-search feature on landing page.
- A common lead-generation form was developed and sent to Interact.
- Landing page design is under review, along with collateral.
- Year-long media buy reviewed and confirmed.

## Upcoming goals

Ads will launch in anticipation of winter quarter. Interact and State Board communications staff, with input from the Public Information Commission advisory group, will monitor and adjust the campaign throughout the year as necessary. Ads will continue according to the marketing plan in anticipation of spring and summer quarters, with heavy emphasis on recruiting for fall quarter 2022.

## Potential questions

- What are some of the reasons people decide not to enroll in college?
- What is the long-term vision and goal for the statewide marketing campaign?

## Recommendation/preferred result

State Board members will have an opportunity to discuss enrollment challenges and work underway in support of the statewide marketing campaign.

Policy Manual Change Yes  No

Prepared by: Laura McDowell, Communications Director, lmcowell@sbctc.edu

Katie Rose, Communications and Marketing Associate, krose@sbctc.edu

## REGULAR ITEM

December 1, 2021

Tab 4

### 2023-25 Operating Budget Development Process

#### Brief Description

Just five months after the new biennial operating budget is allocated to colleges, the system begins planning for the next biennial budget request. Due to the size and diversity of the system, the budget development process involves college vice presidents', commissions, the presidents' association and multiple stakeholders. In this meeting, the State Board will consider recent Legislative investments, the planning process and how the strategic plan informs our next biennial request.

#### How does this item link to the State Board's Strategic Plan?

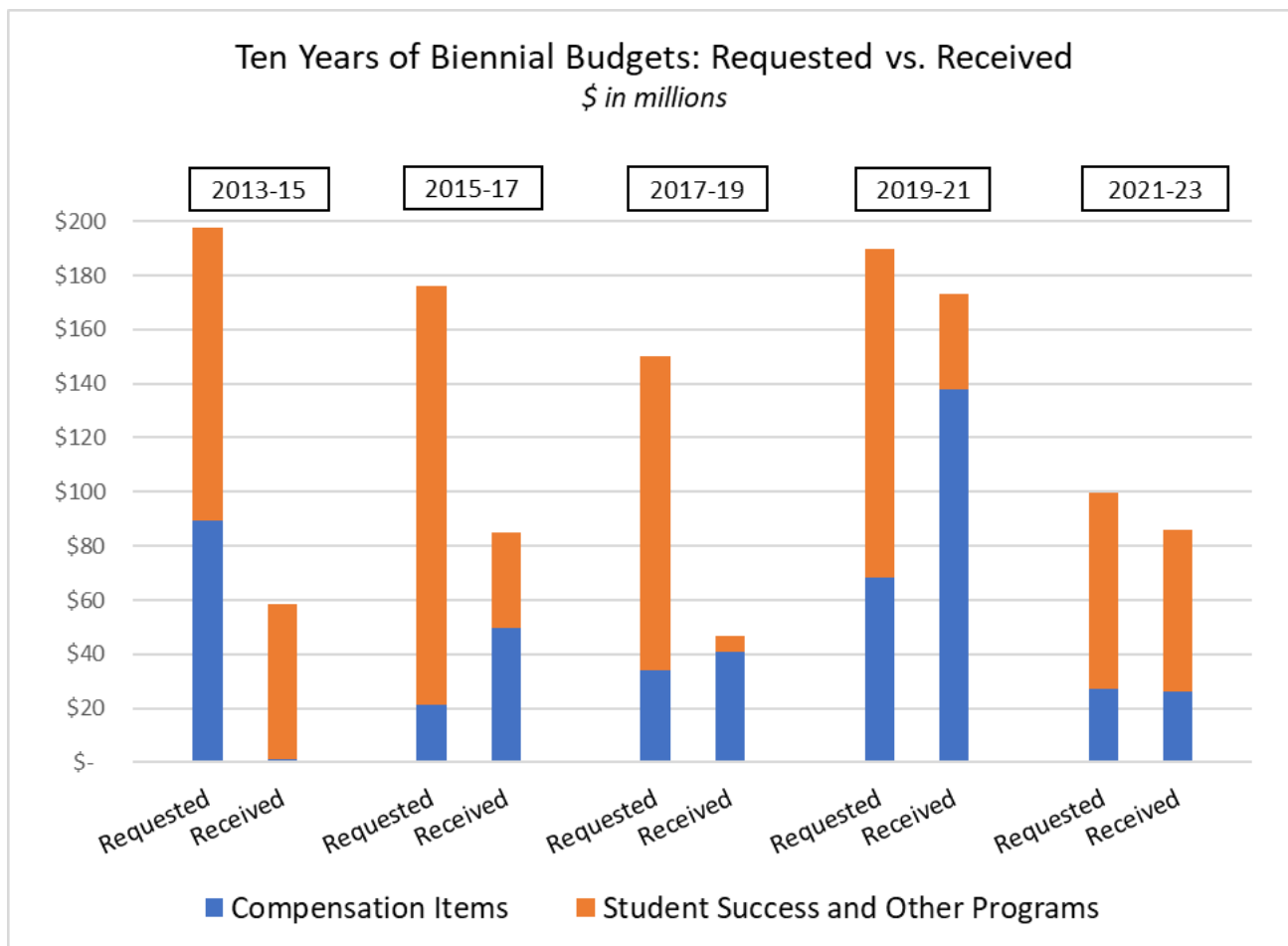
Legislative operating and capital appropriations are the foundation for the college system's operation. State resources provide the means to make progress on the State Board's vision and strategic plan to achieve educational equity, improve completion rates, and increase access and retention.

#### Background information and analysis

Typically, the biennial operating budget development process begins in January, nine months before proposals are due to the Governor and Legislature. Four years ago, the State Board agreed to develop a budget plan for a longer period. This was particularly evident in the request for competitive compensation. The request for a 12.4 percent wage increase was spread over two biennia (approximately 3 percent each year). Additionally, the State Board and college system presidents were united in their decision to restrict the budget proposals to a few major requests. This supported clear, concise messaging to policy makers.

#### Historical Funding

The chart on the following page displays five biennial budgets, comparing the amount requested to the amount received. The dramatic increase in funding in recent biennia suggests that the college system's focus on a few major requests has been a successful strategy. The Guided Pathways request in 2019-21 was fully funded over three years. The Job Skills request in 2021-23 was fully funded. Unfortunately, compensation funding has not increased consistently or uniformly. Among faculty, only nurse educators and faculty identified as teaching "high demand" courses received wage increases beyond the modest COLA levels in the last two biennial budgets.



### Strategic Plan and Goals

Looking to the next biennium, the State Board will want to consider college system needs in light of its strategic plan and goals. Aligning recent Legislative investments to the system’s goals and strategies is a subjective exercise, but the graph in Attachment 1 provides an impetus for discussion. As the college system moves through the budget development process, are there funding gaps or impediments to achieving system goals that can be addressed with new funding? There will be additional opportunities to establish budget priorities, but this meeting provides an opportunity to give initial guidance and feedback to State Board staff as the budget development process kicks off.

### Potential questions

- Are there elements of the strategic plan that require additional state funding to be successful?
- Does the State Board have guidance for staff or colleges on the budget development process or priorities?
- Have policy makers provided input or guidance that should be considered at this time?

## Preferred result

This item should stimulate a robust discussion of the college system operating budget development process. No State Board action is needed at this time.

Policy Manual Change Yes  No

Prepared by: Cherie Berthon, Operating Budget Director  
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**SBCTC Vision:**

Leading with racial equity, our colleges maximize student potential and transform lives within a culture of belonging that advances racial, social, and economic justice in service to our diverse communities.

**Goals:**

- 1. Achieve educational equity for students who are historically underrepresented in higher education.
- 2. Improve completion rates for all enrolled students across all types of programs and credentials – workforce degrees, transfer degrees, certificates and apprenticeships
- 3. Increase access and retention among populations who can benefit the most from college access. This includes young adults, working adults, low-income people, people of color, immigrants and single parents.

**Strategies:**

- 1: Implement actions, policies and investments that produce equitable outcomes.
- 2: Implement research-based strategies that are proven to improve completion rates for all students. These strategies include Guided Pathways and Career Launch programs.
- 3: Enroll more diverse students of all ages and backgrounds in our colleges, increasing their access to higher levels of education, higher salaries and greater financial security.
- 4: Strengthen advocacy and community partnerships.
- 5: Improve the college system’s long-term financial sustainability and infrastructure.

- Guided Pathways
- Career Launch Programs
- MESA
- I-BEST
- Homeless Student Services Pilot
- Mental Health Services Pilot
- Emergency Student Assistance Grants
- 200 Faculty Conversions
- Anti-Racist Curriculum Review
- DEI Strategic Plans/Outreach (5194)
- DEI Training (5227)

- Guided Pathways
- Career Launch Programs
- MESA
- I-BEST
- Homeless Student Services Pilot
- Mental Health Services Pilot
- Emergency Student Assistance Grants
- Nurse Educator Salaries
- High Demand Faculty Salaries

- 200 Faculty Conversions
- MESA
- I-BEST
- DEI Strategic Plans/Outreach (5194)

- Job Skills Program Expansion

- Foundational Support
- Nurse Educator Salaries
- High Demand Faculty Salaries
- 200 Faculty Conversions

**Dedication Budget Appropriations since FY 2018 (annual amounts in millions):**

Guided Pathways	\$41.9	200 Faculty Conversions	\$ 5.4
Career Launch Programs	\$ 3.0	Job Skills Program Expansion	\$ 5.0
MESA	\$ 0.8	Foundational Support	\$ 15.2
I-BEST	\$ 0.8	Nurse Educator Salaries	\$ 20.4
Homeless Student Services Pilot	\$ 0.5	High Demand Faculty Sal	\$ 20.0
Mental Health Services Pilot	\$ 0.5	Anti-Racist Curriculum Rev	\$ 0.8
Emergency Student Assistance Grants	\$ 4.0	DEI St Plan/Outreach (5194)	\$ 8.0
		DEI Training (5227)	\$ 1.5

## **REGULAR ITEM (RESOLUTION 21-12-56)**

December 1, 2021

Tab 5

### **Report on alternative methods of prioritizing and presenting the State Board's capital budget request for the 2023-25 biennium**

#### **Brief Description**

In section 7038 of the 2021-23 capital budget bill SHB 1080, the legislature directed the State Board to look at alternative methods of prioritizing and presenting its capital request for the 2023-25 biennium.

#### **How does this item link to the State Board's Strategic Plan?**

The facilities built and maintained using funds from the capital budget support the State Board's goals by increasing access to post-secondary education, promoting student achievement and success and building on the system's strengths and successes.

#### **Background information and analysis**

Prior to the great recession, the level of state funding for community and technical colleges was consistently growing. The State Board's requests were sized with the expectation that future budgets would be larger than previous ones. And, the funding received tended to be similar to the requested amounts.

In 2007-09, the State Board requested \$520 million in new appropriations for the college system and received \$556 million. In 2009-11 the State Board requested \$550 million and received \$357M which was then reduced by \$36M in the 2010 supplemental and another \$8.5 million in the 2011 supplemental budgets. The reductions were part of the State's response to lower actual and projected revenues due to the great recession.

The State Board adjusted its requests to reflect the new funding reality by not adding any new major projects to the pipeline for the 2011-13 or 2013-15 requests, and then limiting the number of projects added for the 2015-17 and 2017-19 requests to reduce the overall size of the request. The funding received kept getting smaller until the 2017-19 budget when the request and funding were essentially equal at \$323 million, which provided less than half the buying power of the 2007-09 college system's appropriation.

By State Board policy, all colleges were eligible to submit a major project proposal for the 2019-21 request. And, those colleges not already in the pipeline were eligible to submit a proposal for the 2021-23 request. All colleges are again eligible to submit a major project proposal for the 2023-25 request. These proposals are due December 15, 2021. Proposals in these three selections needed (or will need) a score of 70 points or better to be added to the pipeline.

To deal with the unpredictable level of funding after the great recession, the State Board requested funding for the design-phases of major projects by weaving them into the construction-phase requests, such that the same level of system funding that funds the design could fund the construction in the subsequent biennium. Both the design and construction-phase funding were requested in pipeline order.

The technique of weaving in the design-phase requests created gaps between design and construction-phases of some projects. These gaps were partially due to the inconsistent level of college system funding and partial funding of some requests by the legislature but also due to unanticipated changes in future State Board requests.

At its October 21, 2021 meeting the State Board had a study session on the legislative report requirements, the system's guiding principles, and a draft report which explored four alternative methods of prioritizing and presenting the 2023-25 capital request.

The draft report was shared with the Office of Financial Management and its staff feedback led to some clarifications in the recommended report in Attachment A.

Consistent with the draft report, the proposed report recommends to submit a single prioritized request with minor projects above major projects and to request funding for major projects all at once, both design and construction-phase funding, to allow more efficient delivery of the projects with fewer unknowns.

A final report is due to the fiscal committees of the legislature by December 15, 2021

## Potential questions

Is the proposed final report consistent with the State Board's goal of providing safe and modern facilities?

## Recommendation/preferred result

Staff recommends approval of Resolution 21-12-56 adopting the report in Appendix A and directing staff to submit it to the fiscal committees of the legislature by December 15, 2021

Policy Manual Change Yes  No

Prepared by: Wayne Doty, capital budget director  
wdoty@sbctc.edu

# STATE OF WASHINGTON

## STATE BOARD FOR COMMUNITY AND TECHNICAL COLLEGES

### RESOLUTION 21-06-56

A resolution relating to a legislative report on alternative methods of prioritizing and presenting its capital request for the 2023-25 biennium.

**WHEREAS**, section 7038 of the 2021-23 capital budget bill SHB 1080 directed the State Board to provide a report on alternative methods of prioritizing and presenting the list of requested capital projects for community and technical colleges in the 2023-2025 fiscal biennium; and

**WHEREAS**, as required, the report considers a) the need to balance long term community and technical college system planning and growth management priorities; b) the need to balance major capital project requests for design and construction funding, given the fiscal impact of funded design projects on the state's capital budget; and c) the need to balance state funding between design and construction to meet the community and technical colleges' priorities; and

**WHEREAS**, as required, the report includes the following concepts; 1) separately ranking the following types of requests for project funding; 2) requiring that the number of major project funding requests that are solely for the design phase may not exceed the number of major projects funding requests that include funding for the construction phase;

**WHEREAS**, as allowed, the report includes the following additional concepts; 3) a single prioritized request with minor projects above major projects and design-phase funding for major projects woven into the construction-phase funding such that the same level of system funding in the subsequent biennium can fund the construction-phase; and 4) a single prioritized request with minor projects above major projects with all of the funding needed for design and construction included in a single biennium; and

**WHEREAS**, the report recommends concept 4) for the prioritization and structures of the State Board's 2023-25 capital request as it provides the best solution given the legislative considerations; and

**THEREFORE BE IT RESOLVED**, that the State Board for Community and Technical Colleges adopts the report in Attachment A and directs staff to submit it to the fiscal committees of the legislature by December 15, 2021; and

**BE IT FURTHER RESOLVED**, that the State Board for Community and Technical Colleges authorizes the Executive Director to make adjustments to this action, including any necessary changes to the State Board's Policy Manual, as necessary, for actions taken by the Governor, Legislature, data corrections, externally imposed restrictions or guidelines, uniform accounting and reporting requirements, and unanticipated changes in state or federal law.

**APPROVED AND ADOPTED** on 12/01/2021

Attest

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Jan Yoshiwara, secretary

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Jay Reich, chair





# **SHB 1080 SECTION 7038 RESPONSE**

***SEPTEMBER 2021***

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# Introduction

In section 7038 of the 2021-23 capital budget bill SHB 1080, the Washington state Legislature directed the State Board for Community and Technical Colleges (SBCTC) to look at alternative methods of prioritizing and presenting its capital request for the 2023-25 biennium. The proviso is in Appendix A.

Consistent with the budget proviso, this report takes into consideration:

- A. the need to balance long-term community and technical college system planning and growth management priorities;
- B. the need to balance major capital project requests for design and construction funding, given the fiscal impact of funded design projects on the state's capital budget; and
- C. the need to balance state funding between design and construction to meet the community and technical colleges' priorities.

The SBCTC staff have worked with the community and technical colleges to evaluate four alternatives, including the two provided in the budget proviso, its current method, and another method that addresses the limitations of the others:

1. Separately ranking the following types of requests for project funding: Requests for major projects' construction phase, including those projects for which design and construction funding are requested together, to facilitate alternative public works contracting procedures pursuant to chapter 39.10 RCW; requests solely for the design phase of major projects; and requests for minor works funding.
2. Requiring that the number of major project funding requests that are solely for the design phase may not exceed the number of major projects funding requests that include funding for the construction phase.
3. A single prioritized request with minor projects above major projects and design-phase funding for major projects woven into the construction-phase funding such that the same level of system funding in the subsequent biennium can fund the construction-phase.
4. A single prioritized request with minor projects above major projects with all of the funding needed for design and construction included in a single biennium.

To ensure system involvement in evaluating the four alternatives, the college presidents' and chancellors' Washington Association of Community and Technical Colleges (WACTC), responsible for developing policy recommendations to the SBCTC and the college system in conjunction with its commission and their councils, charged its Business Affairs Commission with assisting in the effort. The charge and timeline for system engagement on this report may be found in Appendices C and D.

# Long-Term Planning

Washington’s Legislature created the community and technical college system to serve three missions: provide adult basic education, workforce training, and transfer education. The state’s 34 community and technical colleges offer programs and services tailored to meet the needs of their local communities and businesses within an equity and inclusion focused framework.

State-supported facilities are necessary for colleges to deliver their mission by providing sufficient capacity and relevant spaces for student learning and engagement. Sufficient, safe, and well-maintained spaces also lead to improved student perception and experience.

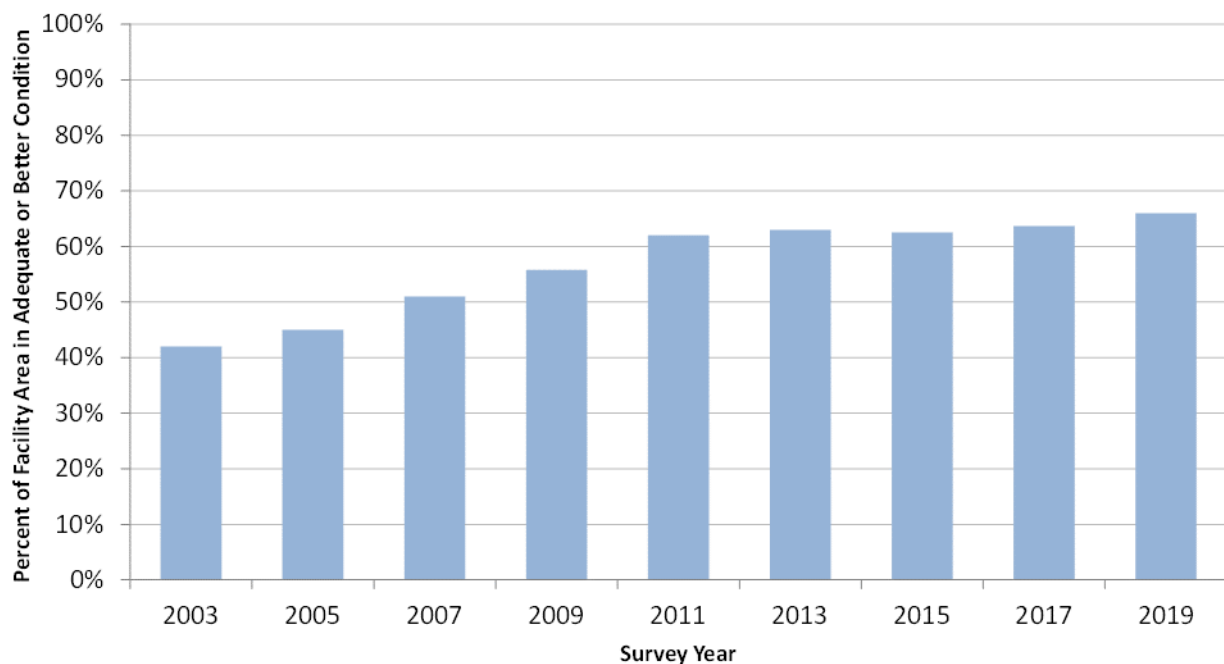
The SBCTC’s vision for Washington’s community and technical colleges is:

*“Leading with racial equity, our colleges maximize student potential and transform lives within a culture of belonging that advances racial, social, and economic justice in service to our diverse communities.”*

In 2020, the SBCTC updated its strategic plan to realize its vision. One of the plan’s strategies is improving the college system’s infrastructure. This includes building, remodeling, and renovating facilities to support teaching and learning spaces that are high quality and technologically equipped.

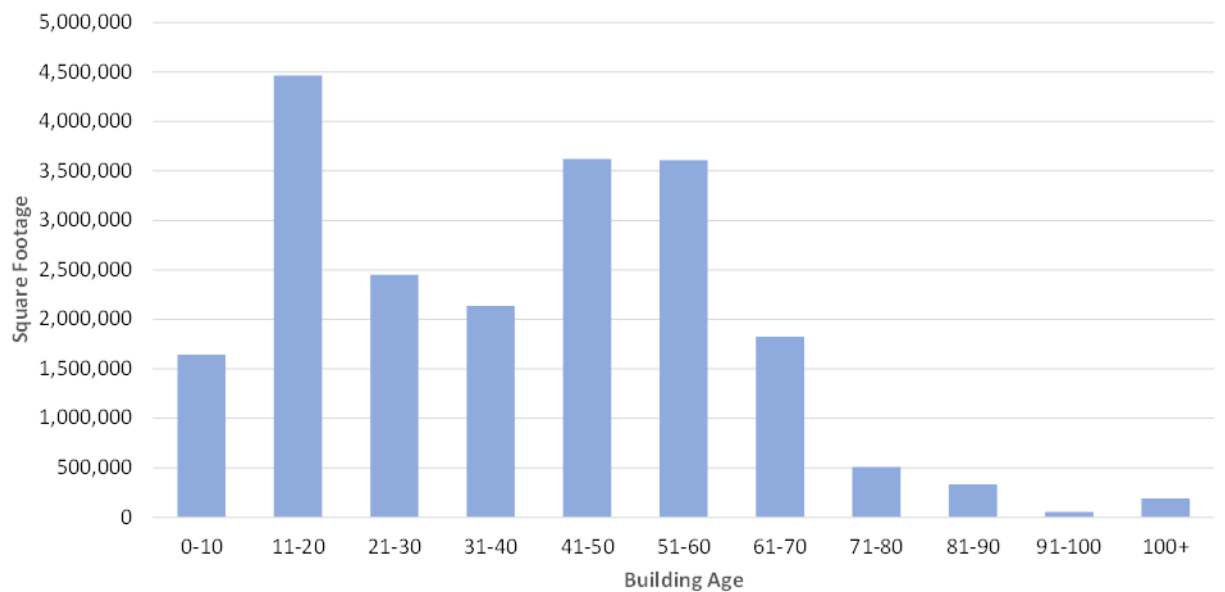
The SBCTC adopted a goal in 2008 to have all facilities be in adequate, or better, condition by the year 2030. Figure 1 shows the condition of college facilities in adequate or better condition. While significant improvements were made in the early 2000s, 34% of the facilities are still in less than adequate condition.

Figure 1: Condition of Washington's community and technical college facilities



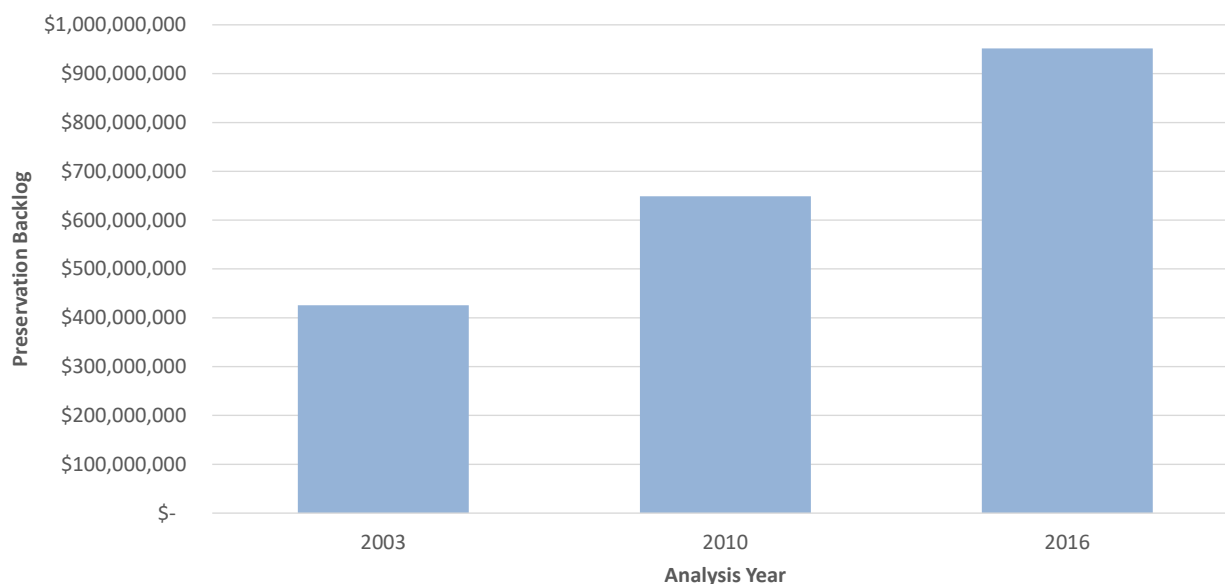
Most infrastructure components have an expected useful life of less than 50 years, and most of the system’s infrastructure was installed when the buildings were first built. As shown in Figure 2, the system has about 6.5 million square feet that are more than 50 years old.

Figure 2: Age of Washington's community and technical college facilities



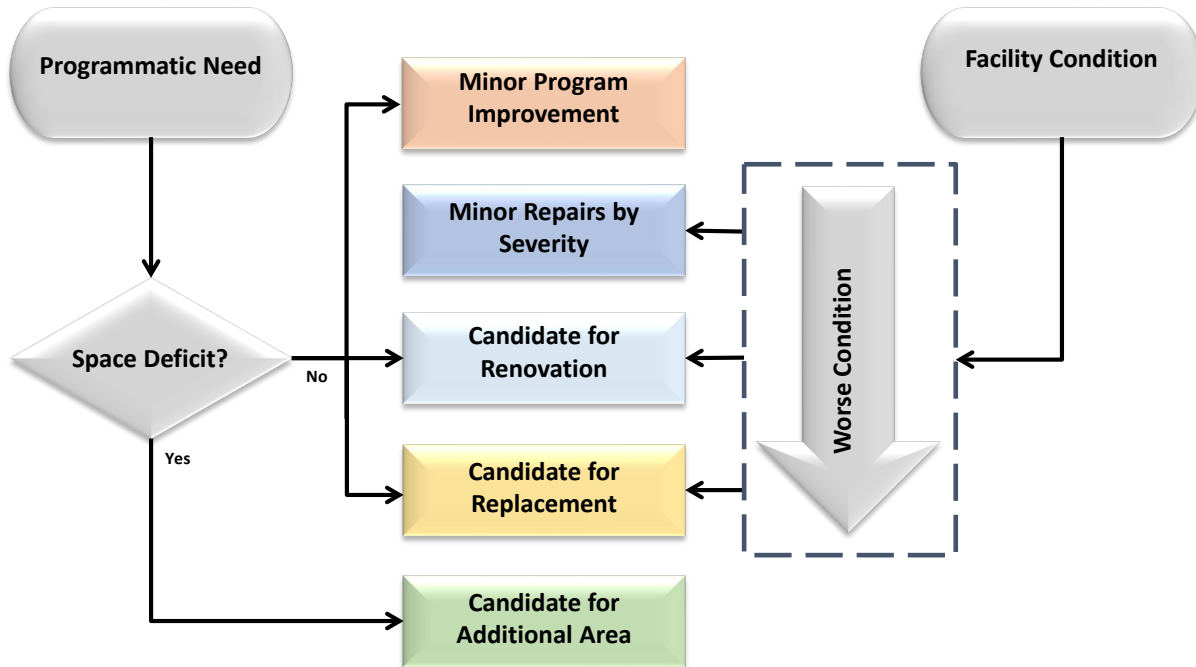
The Office of Financial Management in 2016 estimated the value of the work needed to preserve the state’s investments in the community and technical college facilities to be about \$1 billion. Figure 3 shows OFM’s preservation backlog for the college system’s facilities.

Figure 3: Office of Financial Management estimate of the preservation backlog for Washington's community and technical college facilities



From 20 years of experience evaluating facility conditions relative to the funding provided, the SBCTC has found that minor capital projects can maintain the condition of college facilities. To that end, the college system prioritized minor projects over major projects in its capital requests to address the facility, infrastructure, and programmatic needs. The SBCTC has also found the minor project funding level needed to maintain facility conditions increases about 5% per year. Major projects, however, are needed to make significant improvement in buildings' conditions and usefulness. Figure 4 shows the flowchart for prioritizing facility needs.

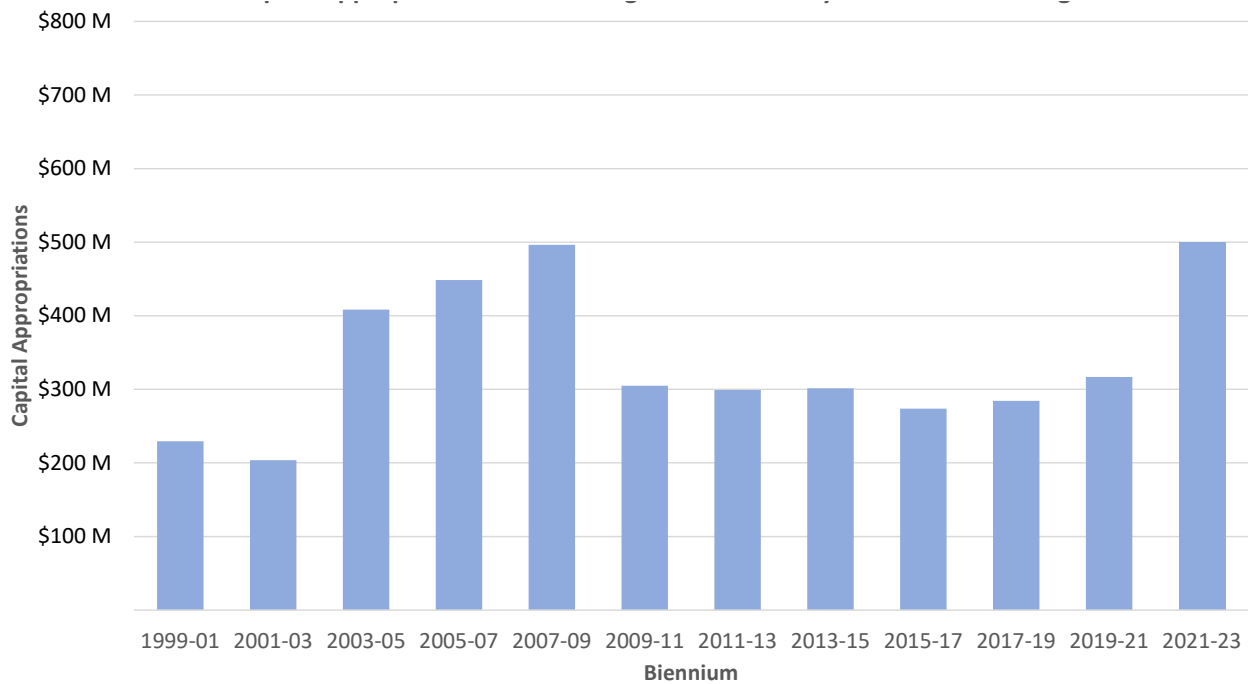
Figure 4: Prioritization of facility needs



Major projects typically take five to 10 years to be completed after entering the pipeline. Because facilities have an expected useful life of 35 to 50 years and program needs often change much faster, the system designs buildings to be flexible and adaptable to meet future needs.

As shown in Figure 5, state funding for the system's capital needs over the last 12 years has been about half the previous funding peak. The 2021-23 funding level is essentially the same as the 2007-09 biennium but with much less buying power as costs grew around 4% per year.

Figure 5: New capital appropriations for Washington's community and technical colleges



Due to the system's rigorous vetting and prioritization of needs, there is a strong correlation between the average facility conditions and the overall system funding level.

Moving forward, the community and technical college system prefers to use a request structure and prioritization similar to what it has had in the past. The college presidents and chancellors provided the following guiding principles for the 2023-25 request:

- Maintain the integrity of our prioritization and request process.
- Continue to use minor projects to maintain the condition of existing facilities.
- Continue to fund construction of major projects in pipeline order.
- Continue to use the most beneficial delivery method for each project.
- Minimize or eliminate any delays due to funding once a project is started.
- Obtain funding for as many of the needs in priority order each biennium.

The SBCTC agrees with these guiding principles and the prioritization processes it developed with the system.

# Priorities and Structure of Recent Capital Requests

Current law and policy require the SBCTC to submit a single prioritized capital request for Washington's community and technical colleges. Request requirements are listed in Appendix B.

In 2003, the Legislature chose to fund part of the capital budget's college maintenance and operating costs from lottery revenue. The funding source was changed in 2009 to the Building Fee collected from community and technical college students as part of their tuition. Routine facility and maintenance costs, paid for by the Building Fee, is therefore the system's top priority in its requests.

Every other year, the SBCTC evaluates the conditions of all college facilities. The evaluation identifies and ranks facility deficiencies across the system for funding consideration. Budget requests include minor project funding for repairs and minor program improvements at every college. To take care of current facilities, minor project funding is prioritized above major project funding.

Colleges propose major projects. The proposals can include any combination of renovation, replacement, and net new space, as well as major infrastructure work outside of the facilities. The SBCTC and colleges select and prioritize proposals for construction using collaboratively developed and implemented comprehensive criteria. When projects meet the criteria, they are added to a pipeline of major projects for the state's biennial budget cycle.

In the past, the Legislature funded major projects in phases. Consistent with legislative expectations, the SBCTC requested funding for the design-phase of the projects in the pipeline and then requested construction-phase funding the following biennium.

In its 2021-23 request, the SBCTC requested full funding for projects that had already determined design-build was the best delivery method for the project. Consistent with system priorities, the funding for these projects was requested in construction order. These projects were prioritized in the request below the funding level provided by the Legislature.

To construct the projects with separate design-phase and construction-phase funding in the order they were added to the pipeline, the design-phase requests were woven in among the construction-phase requests such that the same level of funding that designs the project can fund its construction the next biennium.

Weaving in design-phase requests is based on many assumptions that do not always come to be. For example, if a design-phase request is above a construction-phase request but only half the construction-phase request is funded in the budget, the funding necessary to construct the design-phase request in the subsequent biennium will be higher than the funding level that designed it by the amount of the second half of the construction-phase request that was partially funded. Pausing major projects and adding new categories of minor projects has also led to less than perfect results. For example, the 2021-23 request included a new category of minor work to replace infrastructure. The \$34 million requested for infrastructure replacement increased the level of overall funding needed to construct major projects by the same amount.



Despite its imperfect nature, the process of weaving in design-phase requests minimized gaps between design and construction-phase funding. The system continued to construct the projects in the pipeline in priority order.

The structure of the system requests has created some tension in the Legislature. For example, if a design had been funded, there is a heightened interest in funding the construction to get the maximum value of the prior investment.

The Evaluation Matrix shown in Appendix E describes the alternatives considered, how they support the objectives, and align with current constraints. A brief description of each method follows:

**1. Separate ranked lists for minor projects, major design-phase, and major construction-phase requests.**

A separate ranked list for minor projects would greatly increase the possibility of some minor projects not being funded. As discussed previously, the minor projects are necessary to operate and maintain existing facilities, and as such, they are a higher priority than funding for any major projects.

There is no goal to design projects other than to have the design done right before the construction is likely to be funded.

Creating separate prioritized lists of major project design and construction-phase requests is likely to create gaps between design and construction-phase funding and does not support constructing projects in the system's priority order.

**2. Limit the number of major design-phase requests to the number of construction-phase requests.**

The approach of limiting the number of design-phase requests to the number of construction-phase requests would limit the size of future requests by the number of previously funded designs. This would also make it harder for future legislatures to provide a higher level of funding for its community and technical colleges and help improve the adequacy of their facilities.

**3. Prioritization and structure of recent requests.**

The priorities and structure of recent capital requests is described above.

**4. Request all the funding needed for each major project in priority order below the minor projects.**

This could provide minor and major project funding consistent with the system's priorities and give each legislature more flexibility in deciding the level of funding for the system without the potential for losing the value of prior investments.

The structure of the request would not require any assumptions about future funding. This approach would eliminate the possibility of gaps in project funding and maintain flexibility to use any delivery method. It would also allow shorter project schedules, which would lower project costs.

This approach would tie up some state bond capacity one or two years sooner than the multi-phase funding approach currently used. The trade-off, however, is an earlier completed individual project at a lower cost to the state.

## Recommendation

The SBCTC recommends that the Legislature fund major projects all at once, both design and construction-phase funding, to allow more efficient delivery of the projects with fewer unknowns.

This method supports long term system planning, eliminates the need for future state capital funding once a project is started, and provides the perfect balance between design and construction funding. The risks and benefits for this method are described further in Option 4 above.

The SBCTC will continue to demonstrate progress and compliance with legislative intent and executive orders as it allots project funding from the Office of Financial Management. See current requirements for major project allotments in Appendix F.

## Appendix A: SHB 1080 Section 7038

The state board for community and technical colleges shall report to the fiscal committees of the legislature by December 15, 2021, on alternative methods of prioritizing and presenting the list of requested capital projects for community and technical colleges in the 2023-2025 fiscal biennium.

This report shall take into consideration:

- a. the need to balance long term community and technical college system planning and growth management priorities;
- b. the need to balance major capital project requests for design and construction funding, given the fiscal impact of funded design projects on the state's capital budget; and
- c. the need to balance state funding between design and construction to meet the community and technical colleges' priorities.

The alternative methods included in the report may include, but are not limited to, the following concepts:

1. Separately ranking the following types of requests for project funding:
  - a. requests for major projects' construction phase, including those projects for which design and construction funding are requested together to facilitate alternative public works contracting procedures pursuant to chapter 39.10 RCW;
  - b. requests solely for the design phase of major projects; and
  - c. requests for minor works funding; and
2. Requiring that the number of major project funding requests that are solely for the design phase may not exceed the number of major projects funding requests that include funding for the construction phase.

## Appendix B: Budget Request Requirements

1. Prepare a **single budget**... and submit this budget to the Governor...  
[RCW 28B.50.090\(1\)](#)
2. Capital budget outlines for the two-year institutions shall be submitted to the office of financial management by August 15 of each even-numbered year, and shall include the **prioritized ranking** of the capital projects being requested, a description of each capital project, and the amount and fund source being requested.  
[RCW 28B.77.070\(2\)\(a\)](#)
3. Additionally, the two-year institutions shall include the State Board of Community and Technical Colleges' **prioritized ranking** of the capital projects.  
[OFM Capital Budget Instructions section 2.3](#)
4. Agencies must **prioritize each capital project** in the 10-year capital plan by need and contribution to the goals, objectives, strategies and activities in the agency's strategic plan.  
[OFM Capital Budget Instructions section 3.1](#)

## Appendix C: WACTC Charge

Business Affairs Commission should assist in the SBCTC's development of the report to the Legislature called for in Section 7038 of SHB 1080. Explore the benefits and drawbacks to alternative methods for prioritizing and presenting the system's 2023-25 capital budget request relative to the following guiding principles for the request:

- a. guiding principles for the 2023-25 community and technical college capital request
- b. maintain the integrity of our prioritization and request process
- c. continue to use minor projects to maintain the condition of existing facilities and infrastructure
- d. continue to fund construction of major projects in pipeline order
- e. continue to use the most beneficial delivery method for each project
- f. minimize or eliminate any delays due to funding once a project is started
- g. obtain funding for as many of the needs in priority order each biennium

The report should consider the alternatives described in SHB 1080, what has been done in the past, and other alternatives that may benefit the system. BAC should provide progress updates and final recommendations for the report prior to December 2021 WACTC capital meeting. BAC should participate in work sessions regarding the report as needed during the 2022 legislative session.

## Appendix D: Timeline

Date	Action
April 23, 2021	Proviso introduced (Sec. 7048 of SHB 1080)
May 18, 2021	Governor signed SHB 1080
June 07, 2021	WACTC principles for comparing alternatives
June 08, 2021	SB staff discuss expectations with OFM and leg staff
July 22, 2021	WACTC charges to commissions
September 01, 2021	BAC and SB task force — evaluate alternatives
September 07, 2021	SB staff strategy discussion
September 30, 2021	BAC and SB task force - review first draft
October 07, 2021	Joint WACTC Capital and Legislative committee review draft report and strategy discussion
July - October, 2021	Outreach to key legislators
October 20, 2021	SBCTC discuss report alternatives
October 27, 2021	BAC and SB task force
October – November, 2021	OFM review and feedback on draft
December 01, 2021	SBCTC adopt report
December 02, 2021*	WACTC recommend final report to SB
December 15, 2021	Due to legislative fiscal committees
January 24, 2022*	Presentation to House Capital committee
January 27, 2022*	Presentation to Senate Ways & Means
March 11, 2022*	End of 2022 session
September 15, 2022*	2023-25 capital budget request due to OFM

\*tentative dates

# Appendix E: Evaluation Matrix

Methods	Ranking of Considerations			Total	Method is consistent with existing law or policy? Constraint			
	A	B	C		1	2	3	4
1 separately ranking construction, design and minor funding requests	-1	1	-1	-1	Yes	No	No	No
2 limiting design-phase requests to the number of construction-phase requests	-1	1	-1	-1	Yes	Yes	Yes	Yes
3 ranking minors above majors and the next phase needed for majors such that they are constructed in priority order ( <b>current method</b> )	1	-1	1	1	Yes	Yes	Yes	Yes
4 ranking minors above majors and the requesting all the funding needed for major projects in priority order	1	1	1	3	Yes	Yes	Yes	Yes

## Ranking

- 1: detracts from objective
- 0: no impact on objective
- 1: supports objective

## Considerations

- A** The need to balance long term community and technical college system planning and
- B** The need to balance major capital project requests for design and construction funding,
- C** The need to balance state funding between design and construction to meet the

## Constraints

1	Prepare a single budget... and submit this budget to the Governor...	RCW 28B.50.090(1)	<a href="https://app.leg.wa.gov/RCW/default.aspx?cite=28B.50.090">https://app.leg.wa.gov/RCW/default.aspx?cite=28B.50.090</a>
2	Capital budget outlines for the two-year institutions shall be submitted to the office of financial management by August 15th of each even-numbered year, and shall include the prioritized ranking of the capital projects being requested, a description of each capital project, and the amount and fund source being requested.	RCW 28B.77.070(2)(a)	<a href="https://apps.leg.wa.gov/RCW/default.aspx?cite=28B.77.070">https://apps.leg.wa.gov/RCW/default.aspx?cite=28B.77.070</a>
3	Additionally, the two-year institutions shall include the State Board of Community and Technical Colleges' prioritized ranking of the capital projects.	OFM Capital Budget Instructions section 2.3	<a href="https://ofm.wa.gov/sites/default/files/public/budget/instructions/capital/2021-23/2021-31CapitalBudInst.pdf">https://ofm.wa.gov/sites/default/files/public/budget/instructions/capital/2021-23/2021-31CapitalBudInst.pdf</a>
4	Agencies must prioritize each capital project in the 10-year capital plan by need and contribution to the goals, objectives, strategies and activities in the agency's strategic plan.	OFM Capital Budget Instructions section 3.1	<a href="https://ofm.wa.gov/sites/default/files/public/budget/instructions/capital/2021-23/2021-31CapitalBudInst.pdf">https://ofm.wa.gov/sites/default/files/public/budget/instructions/capital/2021-23/2021-31CapitalBudInst.pdf</a>

# Appendix F: SBCTC's 2021-23 Major Project Allocation Notes

## General

Funding for major projects is usually appropriated over two biennia. The design phase funding usually includes everything necessary to get the project ready to bid; short of building permits, printing bid documents, and advertising for the bid. The law allows 10 percent of the artwork set-aside to be spent during design. The construction phase funding is for the balance of the project costs including the remaining design consultant costs.

For example, construction phase funding usually includes the portion of architecture and engineering Basic services for bidding and construction administration, or 31% of the Basic Service fees, as well as the Other Services for Construction Administration.

To assure compliance with the legislative intent, state laws, and Office of Financial Management policies, the appropriations for major projects are allotted based on progress:

Project Cost Element (C-100 tab)	Requirement for Allotment
Consultant services for Predesign (B.1) Artwork (E) College Project Management (F)	None
Acquisition (A)	Purchase and sale agreement
Basic and Extra Services prior to bid and portion of Design Contingency (B.2, 3 and 5) Other Costs (G)	Approval of Predesign
Basic and Extra Service for bid and construction administration (B.4) Remaining Design Contingency (B.5) Construction Contracts w/ Sales Tax and Construction Contingency (C)	Bid results and supporting documents ( <i>see details below</i> )
Equipment w/ Sales Tax (D)	Item descriptions and costs

The supporting documents needed for construction allotments vary by public work delivery method:

Design-Bid-Build	General Contractor / Construction Manager	Design-Build
Bid Tab with engineer's estimate and justification for selected alternates	Negotiated Total Cost and justification for selected alternates	Guaranteed Maximum Price and justification for selected alternates
Recast budget to demonstrate how construction cost fits within project budget	Recast budget to demonstrate how construction cost fits within project budget	Recast budget to demonstrate how design and construction costs fit within project budget
Value Engineering report	Value Engineering report	Value Engineering report ( <i>may be submitted later or omitted with OFM's permission</i> )



Design-Bid-Build	General Contractor / Construction Manager	Design-Build
Constructability Review	Constructability Review (may be omitted with OFM's permission)	Constructability Review <i>(may be submitted later or omitted with OFM's permission)</i>
LEED checklist	LEED checklist	LEED checklist <i>(may be submitted later with OFM's permission)</i>
OFM Life Cycle Cost Tool	OFM Life Cycle Cost Tool	OFM Life Cycle Cost Tool <i>(may be submitted later with OFM's permission)</i>
Most recent correspondence with DAHP and local tribes to demonstrate compliance with <a href="#">Executive Order 21-02</a>		

## Design phase appropriations

### Predesign

The method of project delivery is usually established during the predesign process. Options include Design-Bid-Build, Design-Build, and GC/CM. The project budget must fit within approved funding level regardless of the delivery method used.

As soon as the capital budget is approved in the new biennium, SBCTC will request Predesign funds based on the C-100 budget corresponding to the approved capital budget request. Additionally, the college can request 10% of the Artwork and 69% of Project Management budget amounts for use during predesign.

The outcome of this funding is to provide a completed predesign report to SBCTC for review and submission to OFM for approval. The submitted predesign must meet OFMs Predesign Checklist in effect at the time the funds are requested. Read the [predesign manual for projects with design funding first appropriated in the 2021-23 budget](#), June 2020 version.

### Life cycle cost tool

[Instructions and current forms for OFMs life cycle cost tool.](#)

This model is to be initially submitted with the predesign and then updated with more detail before bid and again, after occupancy.

### Remaining design funds

Once OFM has approved the predesign and issued an approval letter, SBCTC will request the remaining design phase allotment from OFM. The college may use these funds only after OFM has released them. Unspent major project appropriations are eligible to be re-appropriated if the project has made satisfactory progress.

## Construction phase appropriations

### Construction

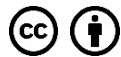
Construction phase funding for the remaining Consultant Costs, Other Costs, and Project Management can be allotted from OFM and allocated to the college as soon as we have a budget showing how the project can be completed within the available funding. The remaining Construction

phase funding can be allocated as progress is made and additional information is provided. Please see the table of supporting documents needed for construction allotments above.

## **Furniture, Fixtures, and Equipment**

A separate request for furniture, fixtures, and equipment is required during the construction phase. It is preferred to submit one complete list, but if there are items with long lead-time or acquisition needs to be phased, partial requests may be submitted.

The FF&E list needs to be itemized with manufacturer, part number, cost, and if possible, a website link to the product description. A tool to help you gather this information is here: [FF&E Template](#). You may also submit vendor proposals that list the items, costs, and total bid price. Not all equipment is eligible for capital funding. Guidelines can be found in Chapter 4 of the current capital budget request instructions at the link above. Colleges submit the draft equipment list to SBCTC for review. The SBCTC will help the college refine the list to be consistent with OFM requirements. The SBCTC will then submit the equipment list to OFM for approval. Once approved by OFM, the funds are available to the college for expenditures.



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Washington State Board for Community and Technical Colleges

## **REGULAR ITEM (RESOLUTION 21-12-57)**

December 1, 2021

Tab 6

### **Emergency funding for Pierce College Olympic South building asbestos abatement and restoration**

#### **Brief Description**

Pierce College is requesting \$13,159,000 in new state funding and the authority to spend up to \$7,500,000 in local funds for Olympic South building asbestos abatement and restoration. The college would be reimbursed for up to \$5,000,000 of its local fund expenditures from the state funding, if the legislature provides the state funding as requested.

#### **How does this item link to the State Board's Strategic Plan?**

This project will support student success and retention through safe and modern facilities.

#### **Background information and analysis**

In the 2019-21 capital budget, Pierce College Fort Steilacoom received \$910,000 from the State to modernize the Olympic building in minor project 40000112/P314. Asbestos abatement was performed incorrectly during work on the first floor. The abatement contractor re-cleaned the area after the mistake was discovered but post-abatement lab analysis found significant contamination in the heating and ventilation system and on other surfaces of all three floors of the building. Four of the five types of contaminants found were not part of the materials from the current project.

On April 14, 2021, the college district and the Department of Enterprise Services declared an emergency to expedite the procurement of consultants and contractors to help with the abatement. The declaration is in Attachment A.

The Department of Enterprise Services and the Attorney General's Office has advised the college due to the complexity and extent of the contamination it is unlikely the current contractor will be contributing financially to the cost of abating the remaining asbestos.

The college halted the modernization project until the asbestos could be properly abated. An excerpt of the Asbestos-Contaminated Dust Discovery Report is in Attachment B.

The State Board approved the use of \$2,500,000 in local funds for the asbestos abatement in resolution 21-06-29. The plan at that time was to resume the modernization project once the abatement was complete.

Since June 2021, the college has determined the contamination affected more of the building and its systems. The cost of abatement and related demolition is now estimated to cost \$7,500,000. Once abated, restoration of the building is estimated to cost another \$10,011,000.

The Pierce District explored three options for the reconstruction of the Olympic South Building. The cost of each option including \$7,500,000 for the abatement and related demolition are:

1. \$17,511,000 to Restore Existing Building
2. \$9,500,000 to Demolish Building with No Replacement
3. \$30,434,000 to Demolish Building and Replace in Kind

Option 1 is preferred as it is the lowest cost option that restores the program space and it can be completed sooner than the more expensive Option 3. The pros and cons of each option are explored in Attachment C.

A summary level breakdown of the cost for the project is in Attachment D.

Consistent with State Board policy 6.60.10, State Board staff have allocated \$500,000 from the system’s hazardous material mitigation pool for the project. The project is also eligible for another \$500,000 from the system’s emergency pool if the college contributes a match of \$212,000. The procedure for the management of the emergency capital reserves says if the cost of an emergency repair exceeds \$500,000, the State Board may elect to provide the \$500,000 and seek additional funding from the legislature.

There is about \$640,000 remaining in the modernization project that, with permission from the Office of Financial Management, can be applied toward the restoration. This permission was requested on November 9<sup>th</sup> and is expected to be approved on, or before, November 19<sup>th</sup>.

The State Board adopted its 2021-23 capital request in resolution 20-06-32. As it has for many years, this request prioritized emergency funding above all other capital needs. The State Board adopted its 2022 supplemental request in resolution 21-06-35. The supplemental request was for the projects that were not funded in the biennial budget.

If we assume the college will be reimbursed for up to \$5,000,000 of its local expenditures, here is a list of the current and proposed funding to abate and restore the building:

Description	Project	Subproject	Fund	EA	SB#	Amount
Modernize Olympic Building	40000112	40000145	057	A09	P314	\$ 640,000
FS-Olympic South building asbestos abatement SB Res 21-06-29			147	R10	P612	\$ 2,500,000
Match from Pierce Fort Steilacoom 2021-23 Unanticipated Repair Funds	40000321	40000436	060	C21	Q363	\$ 212,000
from HazMat Pool	40000321	40000323	060	C21	Q559	\$ 500,000
from Emergency Pool	40000321	40000323	060	C21	TBD	\$ 500,000
New Appropriation	TBD	TBD	057	TBD	TBD	\$ 13,159,000
<b>Project Total</b>						<b>\$ 17,511,000</b>
TBD: To Be Determined as request moves through the budget development and allocation process.						

Consistent with past practices and the emergency funding State Board policy, the \$13,159,000 in new funding would be requested at the top of the system’s 2022 supplemental capital request.

A summary table of the current and proposed 2022 supplemental request is in Attachment E.

Pierce College’s Board of Trustees approved this request on November 10, 2021.

## Potential questions

Is this project consistent with the State Board's goal of providing safe and modern facilities?

## Recommendation/preferred result

Staff recommends approval of Resolution 21-12-57 giving Pierce College the authority to spend up to \$7,500,000 in local funds related to asbestos abatement in the Olympic South building and directing State Board staff to update the 2022 capital budget request to include \$13,159,000 in new funding for this project as its highest priority and to seek legislative permission to reimburse the college for up to \$5,000,000 of its prior expenditures.

Policy Manual Change Yes  No

Prepared by: Wayne Doty, capital budget director  
wdoty@sbctc.edu

# STATE OF WASHINGTON

## STATE BOARD FOR COMMUNITY AND TECHNICAL COLLEGES

### RESOLUTION 21-06-57

A resolution relating to Pierce College's request for \$13,159,000 in new state funding and the authority to spend up to \$7,500,000 in local funds for Olympic South building asbestos abatement and restoration. The college requests to be reimbursed for up to \$5,000,000 of its local fund expenditures from the state funding, if the legislature provides the state funding as requested.

**WHEREAS**, Pierce College was modernizing the Olympic South building in state funded minor project 40000112/P314; and

**WHEREAS**, planned asbestos abatement was performed incorrectly and the abatement contractor re-cleaned the contracted area; and

**WHEREAS**, post-abatement lab tests found extensive asbestos contamination well beyond the current project area and with additional asbestos contaminant types; and

**WHEREAS**, Pierce District was authorized to use \$2,500,000 in local funds for the asbestos abatement and related demolition in resolution 21-06-29; and

**WHEREAS**, subsequently the contamination was found to have affected more of the building and its systems that known previously; and

**WHEREAS**, the cost of abatement and related demolition is now estimated to cost \$7,500,000. Once abated, restoration of the building is estimated to cost another \$10,011,000; and

**WHEREAS**, the Pierce District would like to proceed with the abatement and demolition using local funds and seek reimbursement from new state funds, if appropriated by the legislature for this purpose; and

**WHEREAS**, the total cost for abatement, related demolition, and restoration exceeds the currently available state funding for the project by 13,159,000, and

**WHEREAS**, State Board policy 6.60.10 says it may elect to seek additional funding from the legislature for emergencies that exceed \$500,000 in cost; and

**WHEREAS**, the highest capital funding priority in the State Board's 2021-23 capital budget request was for emergency work; and

**WHEREAS**, Pierce College's Board of Trustees approved this request on November 10, 2021

**THEREFORE BE IT RESOLVED**, that the State Board for Community and Technical Colleges authorizes Pierce College to spend up to \$7,500,000 in local funds related to the asbestos abatement in the Olympic South building; and

**BE IT FURTHER RESOLVED**, that State Board staff will update the 2022 capital budget request to include \$13,159,000 in new funding for this project as its highest priority and seek permission to reimburse the college for up to \$5,000,000 of its local expenditures.

**BE IT FURTHER RESOLVED**, that the State Board for Community and Technical Colleges authorizes

the Executive Director to make adjustments to this action, including any necessary changes to the State Board's Policy Manual, as necessary, for actions taken by the Governor, Legislature, data corrections, externally imposed restrictions or guidelines, uniform accounting and reporting requirements, and unanticipated changes in state or federal law.

**APPROVED AND ADOPTED** on 12/01/2021

Attest

---

Jan Yoshiwara, secretary

---

Jay Reich, chair



April 14<sup>th</sup>, 2021

Chris Liu, Director  
Department of Enterprise Services  
PO Box 41401  
Olympia, WA 98504-1401

RE: Emergency Public Works Contract Request  
Olympic South Building Asbestos Abatement

Dear Mr. Chris Liu,

As the Chancellor of the Pierce College District, having been duly authorized by the Board of Trustees to act on their behalf for the administration of the District, I am hereby requesting the declaration of an emergency for the immediate abatement and repairs, as well as the replacement of furniture, fixtures and equipment related to the asbestos contamination in the Olympic South building on the Pierce College Fort Steilacoom Campus.

This emergency meets the criteria identified in RCW 39.04.280; which is defined as an unforeseen circumstance beyond the control of the agency which is either a real, immediate threat to the proper performance of essential functions; or will likely result in material loss or damage to property, bodily injury, or loss of life if immediate action is not taken.

On February 22, 2021 the Agency's Consultant, PBS Environmental discovered improper abatement had occurred in the planned removal of asbestos containing sheet vinyl flooring for the Early Childhood Education (ECE) Renovation, state project number 2020-502. The abatement contractor was directed to re-clean the space, which they did, and the area was cleared by air sampling in accordance with 40 CFR Part 763 AHERA by PBS Environmental.

In an effort to determine if the abatement activities caused asbestos contamination to migrate beyond the boundaries of the 2020-502 project, PBS collected surface dust samples in rooms surrounding but outside of the project area. Lab analysis confirmed significant contamination in the HVAC system on level 1, various surfaces on level 1, and by further testing of surface dust also has confirmed asbestos contamination on level 2, and level 3 of this building, the source of which remains unknown at this time. Lab analysis has revealed 5 types of asbestos in the building, four of which differ from the asbestos contained in the sheet vinyl flooring that was removed by the abatement contractor under project 2020-502, indicating that there are other more severe and widespread contamination issues, at this point of unknown origin.

Additional sampling and investigation are ongoing to determine the source and extent of the asbestos contamination. The Olympic South Building is connected to two other buildings via sky bridges: at Cascade level 5 to the south, at Olympic North level 2, and Olympic North at level 3 both to the north of the Olympic South Building. PBS has been directed to investigate these areas for the possibility of migrated contamination.

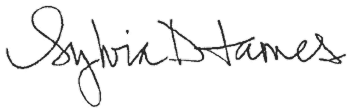
As the extent of contamination is not yet fully known it is premature to provide a comprehensive scope of work to abate and remediate the affected areas. At minimum the entire HVAC system, including all ductwork will need to be replaced on Olympic South level 1, and possibly the independent HVAC systems that serve levels 2 and 3. This replacement will, at minimum require removal and replacement of all dropped ceilings. If light fixtures are not cleanable, they will be replaced.

All contents in affected areas that can be cleaned will be cleaned by an abatement contractor. Any building contents that cannot be cleaned, such as but not limited to fabric upholstered furniture, computers, books, staff personal effects, artwork, etc. will be disposed of by an abatement contractor. In essence, any contaminated areas will have all contents removed and cleaned or disposed of by an abatement contractor and then extensive air testing will be performed by PBS post-abatement. After abatement activities are complete reconstruction can commence to install new HVAC and other affected systems, repair or reconstruct walls and ceilings impacted by the abatement process.

We are requesting approval for an Emergency Public Works Contract for immediate asbestos abatement and subsequent repairs and replacement of furniture, fixtures and equipment to the Olympic South Building. The estimated cost of the repair is \$2,500,000, which may increase if further contamination is found beyond the Olympic South Building.

If you have any questions, please contact Sylvia James, at [SJames@pierce.ctc.edu](mailto:SJames@pierce.ctc.edu)

Sincerely,

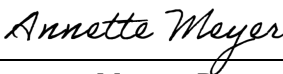


Sylvia James, Vice President for Administrative Services  
On Behalf of Michele L. Johnson, Ph.D., Chancellor and CEO

  
\_\_\_\_\_  
William J. Frare, P.E., Assistant Director  
Facility Professional Services

4-14-2021  
Date

Recommend

  
\_\_\_\_\_  
Annette Meyer, Deputy Director  
Department of Enterprise Services

4-14-2021  
Date

Recommend

  
\_\_\_\_\_  
Chris Liu, Director  
Department of Enterprise Services

4-14-2021  
Date

Approved

Excerpt from:

# **Asbestos-Contaminated Dust Discovery Report**

Pierce College, Olympic South  
Abatement and Repairs  
9401 Farwest Drive SW  
Lakewood, Washington 98498

Prepared for:  
State of Washington  
Department of Enterprise Services  
PO Box 41012  
Olympia, Washington 98504

July 27, 2021  
PBS Project 40535.488



214 E GALER STREET, SUITE 300  
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PBSUSA.COM

## **Asbestos-Contaminated Dust Discovery Report**

Pierce College Olympic South Building  
9401 Farwest Drive SW  
Lakewood, Washington 98498

### **Prepared for:**

Washington State Department of Enterprise Services  
Olympia, Washington

### **Prepared by:**

PBS Engineering and Environmental Inc.  
214 E Galer Street, Suite 300  
Seattle, WA 98102  
(206) 233-9639

PBS Project 40535.488  
July 27, 2021

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### APPENDICES

#### Appendix A: Microvacuum Sampling Information

Microvacuum Sample Inventory  
Microvacuum Sample Laboratory Data Sheets  
Microvacuum Sample Chain of Custody Documentation

## 1 INTRODUCTION - DISCOVERY

PBS Engineering and Environmental Inc. (PBS) was retained by Washington State Department of Enterprise Services (DES) to provide monitoring and observation in conjunction with the Pierce College Early Childhood Education (ECE) Renovations project at the Pierce College Olympic South building located at 9401 Farwest Drive SW in Lakewood, Washington. On March 4, 2021, PBS collected 3 surface dust samples, as part of a visual inspection and clearance activities of the asbestos abatement in the ECE. The samples were collected from the return air plenum space located above the suspended ceiling in the neighboring work areas. All three samples revealed significantly elevated levels of asbestos structure in the accumulated surface dust.

PBS continued asbestos surface dust sampling to define the extent of asbestos contamination. Testing was initiated in the neighboring rooms from the original work area and expanded throughout the entire Olympic South building. Approximately 600+ surface dust samples were collected from surfaces, including heating, ventilation, and air conditioning (HVAC) systems throughout all areas of Olympic South and various locations around campus. The following is a summary of field activities and PBS' findings and conclusions.

## 2 FIELD ACTIVITIES

PBS primarily performed dust testing activities to assist in the discovery process and determining the presence of asbestos. Surface dust testing was performed to determine the presence and extent of asbestos in accumulated dust and as a way of defining the work scope for cleaning activities. Testing included representative surfaces/areas throughout the entire Olympic South building and select areas on Cascade Level 5 and Olympic North Levels 2 and 3 which are connected by skybridges to Olympic South. The following section describes these field activities and our associated findings.

## 3 ASBESTOS SURFACE TESTING/ SUMMARY OF FINDINGS

Settled dust can provide information about past asbestos releases and the presence of fibers that may not be currently airborne. Finding of an elevated asbestos concentration in settled dust indicates the presence of asbestos fibers which have been released and may be available for re-suspension. There is limited understanding of the relationship between surface load and the potential for re-suspension, exposure, and health risk.

PBS uses surface dust sampling as a screening tool to determine the location and extent of potential asbestos contamination. Surface samples were generally collected from the following representative suspect surfaces including but not limited to, floors, windowsills, countertops, interiors and exteriors of HVAC equipment, interiors and exteriors of casework, furniture, desks, musical equipment, exteriors of electronics, and other exposed items. This is not an exhaustive list.

For sample collection PBS followed the American Society for Testing and Materials (ASTM) D5755-95 Standard Method, "Microvacuum Sampling and Indirect Analysis of Dust by Transmission Electron Microscopy for Asbestos Structure Number Surface Loading." The sampler is a pump and filter cassette arrangement through which the air is drawn. A 100 cm<sup>2</sup> disposable template is placed on the surface in question and the sampler is used like a vacuum cleaner to collect available dust within the template area. This is called the "microvacuum method." The samples were labeled with unique identification numbers, packaged, and delivered with chain-of-custody documentation to Lab/Cor, Inc. of Seattle, Washington. All samples were analyzed by ASTM Method D5755-95 for Asbestos Dust Analysis.

Asbestos surface dust sampling inventory and associated laboratory reports can be found in Appendix A.

There are no regulatory thresholds for the amount of asbestos in settled dust. Researchers believe that surface dust asbestos concentrations below 1,000 structures/cm<sup>2</sup> (s/cm<sup>2</sup>) are unlikely to result in elevated exposures as indicated by David Newman's report "EPA World Trade Center Expert Technical Review Panel on the Issue of

Microvacuum Sampling" dated May 3, 2004 (Reapproved 2014). Background levels of asbestos structures in accumulated dust range from an average of 1,000 s/cm<sup>2</sup> in non-industrial areas to 10,000 s/cm<sup>2</sup> in cities and industrial areas where asbestos materials are common. Levels above 10,000 s/cm<sup>2</sup> are generally considered to be above background in any geographical location.

For this project, if surface dust contained more than 1,000 s/cm<sup>2</sup> it was considered "elevated" and above the threshold (i.e., 1,000 s/cm<sup>2</sup>) established by the team for this project.

Surface dust findings for each of the following areas are described in the following sections:

- Olympic South Level 1
- Olympic South Level 2
- Olympic South Level 3
- Olympic North Level 2 and 3
- Cascade Level 5

See attached Diagrams for sample locations and inventories.

### 3.1.1 Olympic South Level 1

Olympic South Level 1 includes the ECE, offices, a woodshop, mechanical room, restrooms, custodial closet, storage rooms, and associated HVAC systems. The interior floor finishes generally consisted of carpet, bare concrete, sheet vinyl flooring, and ceramic tile in restrooms. Select rooms have wooden stationary casework with shelving. Walls are gypsum wallboard assemblies. Ceilings are suspended tile, concrete and some gypsum wallboard.

Each Level of Olympic South has a stand-alone HVAC system. The main fan unit for Level 1 is located in Mechanical Room 173. Supply air is ducted from the main fan unit in Room 173 throughout Level 1. Air is returned to the fan unit through a plenum space above the suspended ceiling in addition to ducting in some locations. Exhaust fans and fume hoods are ducted to the Level 3 roof.

Representative dust samples were collected from various surfaces throughout, including but not limited to, HVAC components, interiors and exteriors of room contents and equipment. Laboratory analysis revealed elevated asbestos structures on surfaces in various locations throughout Level 1.

The following is a summary of locations where asbestos was found **to exceed** the establish project threshold on Level 1:

- Exposed surfaces and contents throughout Level 1
- Throughout the entire Level 1 HVAC system

Level 1 locations/areas found **NOT** to exceed the established threshold for asbestos:

- Concealed Contents (inside desks, file cabinets, casework, closed boxes)
- Mechanical Room 173 exposed surfaces

See Figures SVY1.0, 1.0A, 1.1, 1.1A, and Appendix A for specific sample locations and associated laboratory results for samples collected from Level 1.

### 3.1.2 Olympic South Level 2

Olympic South Level 2 includes an art gallery, art classrooms, offices, practice rooms, a band room, choir room, restrooms, a skybridge to Olympic North, a skybridge to Cascade North, and a mechanical mezzanine. The interior floor finishes generally consisted of carpet, bare concrete, 12-inch vinyl floor tile, and ceramic tile in restrooms. Select rooms have wooden stationary casework with shelving. Walls are gypsum wallboard assemblies or cement masonry units.

Level 2 is served by two main HVAC fan units located in the mechanical mezzanine, accessed from an exterior stairwell. Supply air is ducted from the main units in the mechanical mezzanine throughout Level 2. Air is returned to the fan unit through a plenum space above the suspended ceiling in addition to ducting in some locations. Exhaust fans and fume hoods are ducted to the Level 3 roof.

Representative dust samples were collected from various surfaces throughout, including but not limited to, HVAC components, interiors and exteriors of room contents and equipment. Laboratory analysis revealed elevated asbestos structures on surfaces in various locations throughout Level 2.

The following is a summary of locations where asbestos was found **to exceed** the establish project threshold on Level 2:

- Exposed surfaces and contents throughout Level 2
- Throughout the entire Level 2 HVAC systems

Level 2 locations/areas found **NOT** to exceed the established threshold for asbestos:

- Concealed Contents (inside desks, file cabinets, casework, closed boxes)

See Diagrams SVY2.0, 2.0A, 2.1, 2.1A, and Appendix A for specific sample locations and associated laboratory results for samples collected from Level 2.

### **3.1.3 Olympic South Level 3**

Olympic South Level 3 includes classrooms, offices, restrooms, a skybridge to Olympic North with a student lounge, and associated HVAC systems. The interior floor finishes generally consisted of carpet, bare concrete, and ceramic tile in restrooms. Select rooms have wooden stationary casework with shelving. Walls are gypsum wallboard assemblies.

The two HVAC fan units that service Level 3 are located on the Level 3 roof. Supply air is ducted from the main fan unit on the roof to a supply air plenum located below the raised floor of Level 3. The student lounge and main hallway receive supplied air ducted from the smaller HVAC unit on the Level 3 roof. Air is returned to the fan unit through a plenum space above the suspended ceiling in addition to ducting in some locations. Exhaust fans are ducted to the Level 3 roof.

Representative dust samples were collected from various surfaces throughout, including but not limited to, HVAC components, interiors and exteriors of room contents and equipment. Laboratory analysis revealed elevated asbestos structures throughout the Level 3 HVAC system.

The following is a summary of locations where asbestos was found **to exceed** the establish project threshold on Level 3:

- Throughout the entire Level 3 HVAC systems

Level 3 locations/areas found **NOT** to exceed the established threshold for asbestos:

- Concealed Contents (inside desks, file cabinets, casework, closed boxes)
- All surfaces above the raised floor and below the suspended ceiling

See Diagrams SVY3.0, 3.0A, 3.1, 3.1A, 3.2, and Appendix A for specific sample locations and associated laboratory results for samples collected from Level 3.

### **3.1.4 Olympic North Levels 2 and 3**

Olympic North Levels 2 and 3 are connected to the Olympic South building by skybridges. PBS tested representative locations on Levels 2 and 3 to determine if asbestos structure had migrated to the Olympic North building.



- None of the dust samples collected in levels 2 or 3 of the Olympic North Building were found to contain asbestos concentrations at or above the established project threshold.

See Diagrams SVY4.0, 4.0A, and Appendix A for specific sample locations and associated laboratory results for samples collected from Olympic North Levels 2 and 3.

### 3.1.5 Cascade Level 5

Cascade Level 5 is connected to the Olympic South Building by a skybridge. PBS tested representative locations on Level 5 near the skybridge to determine if asbestos surface dust had migrated to the Cascade Building.

The following is a summary of locations where asbestos was found to exceed the establish project threshold on Cascade Level 5:

- Skybridge floor between Olympic South and Cascade
- Cascade C512 suspended ceiling tile

Cascade Level 5 locations/areas found **NOT** to exceed the established threshold for asbestos:

- Cascade level 5 from skybridge
- Room C512 below ceiling
- Lobby C509

See Figures SVY5.0 and Appendix A for specific sample locations and associated laboratory results for samples collected from Cascade Level 5.

## 4 CONCLUSIONS

Laboratory analysis revealed that asbestos-containing dust was present throughout many areas of Olympic South. Concentrations of asbestos ranged up to 14,574,229 s/cm<sup>2</sup>. The cleanup level established by the project team is 1,000 s/cm<sup>2</sup>.

At this point the source of the asbestos contaminated dust is unknown. However, based on the concentration found there is a clear indication that a significant asbestos release has occurred and was carried throughout various areas of the building by the HVAC systems. Investigation of the potential source(s) is ongoing.

PBS recommends that all surfaces, components and contents throughout with asbestos concentrations above the establish project threshold be cleaned or disposed by trained workers using proper engineering controls and personal protective equipment in accordance with Washington Administrative Code 296-62-077.

Please do not hesitate to contact us if you have any questions regarding this report or require additional information.

Report prepared by:  
PBS Engineering and Environmental Inc.

Gregg Middaugh  
Senior Project Manager  
Industrial Hygiene Group

## FIGURES

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### Dust Sample Diagrams

**SVY 1.0** First Floor – Dust Sample Locations

**SVY 1.0A** First Floor – Dust Sample Inventory

**SVY 1.1** First Floor – HVAC Dust Sample Locations

**SVY 1.1A** First Floor – HVAC Dust Sample Inventory

**SVY 2.0** Second Floor – Dust Sample Locations

**SVY 2.0A** Second Floor – Dust Sample Inventory

**SVY 2.1** Second Floor – HVAC Dust Sample Locations

**SVY 2.1A** Second Floor – HVAC Dust Sample Inventory

**SVY 3.0** Third Floor – Dust Sample Locations

**SVY 3.0A** Third Floor – Dust Sample Inventory

**SVY 3.1** Third Floor – HVAC Dust Sample Locations

**SVY 3.1A** Third Floor – HVAC Dust Sample Inventory

**SVY 3.2** Third Floor Roof – HVAC Dust Sample Locations and Inventory

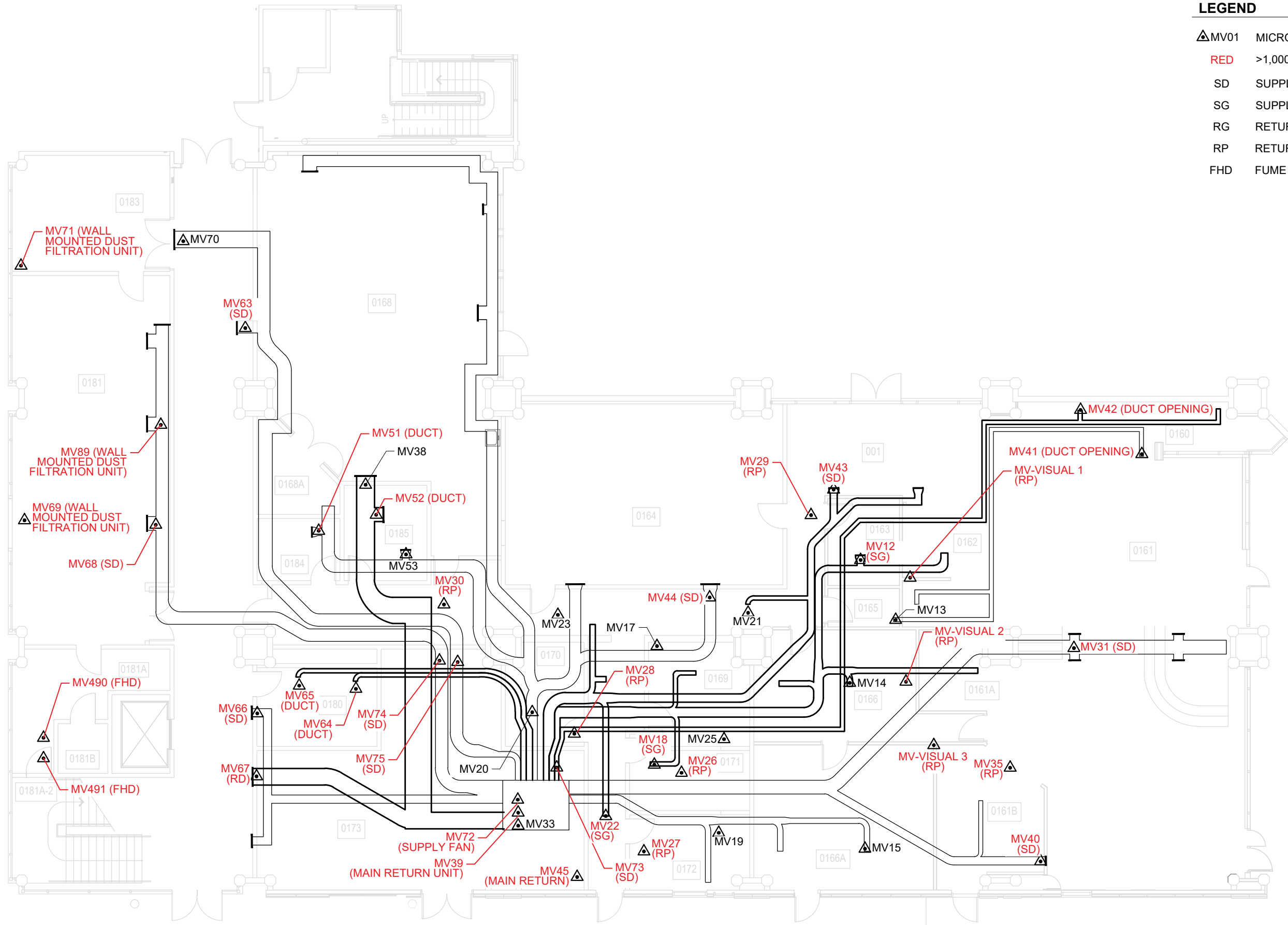


FIRST FLOOR - DUST SAMPLE INVENTORY				
SAMPLE ID	LOCATION	LAB RESULT (S/CM <sup>2</sup> )	ANALYTE	DATE COLLECTED
MV1	ROOM 163 WINDOWSILL	1,052	1 CHRYSOTILE	3/8/2021
MV2	ROOM 165, TOILET PAPER DISPENSER	< 877	N/A	3/8/2021
MV3	ROOM 166, CENTER TABLE	< 877	N/A	3/8/2021
MV4	ROOM 166A, SINK COUNTER	< 877	N/A	3/8/2021
MV5	ROOM 164, CABINET TOP	< 877	N/A	3/8/2021
MV6	ROOM 169, BOOKSHELF TOP	877	1 CHRYSOTILE	3/8/2021
MV7	ROOM 171, MINI FRIDGE	< 877	N/A	3/8/2021
MV8	ROOM 172, BOOKSHELF	< 877	N/A	3/8/2021
MV9	ROOM 170, BOOKSHELF	< 877	N/A	3/8/2021
MV10	HALLWAY SOUTH CARPET SQUARE	1,754	2 CHRYSOTILE	3/8/2021
MV11	HALLWAY NORTH FIRE EXTINGUISHER CABINET	< 877	N/A	3/8/2021
MV16	ROOM 164, SINK COUNTER	< 877	N/A	3/8/2021
MV24	WHITEBOARD TRACK IN HALLWAY	< 877	N/A	3/8/2021
MV32	ROOM 173, NORTH FLOOR	< 877	N/A	3/11/2021
MV34	ROOM 173, WATER HEATER	< 877	N/A	3/11/2021
MV36	ROOM 168, COUNTER	< 877	N/A	3/11/2021
MV37	ROOM 168, FLOOR	< 877	N/A	3/11/2021
MV46	ROOM 171 SPIRAL ON TABLE UNDER SUPPLY GRILL	<877	N/A	3/23/2021
MV47	CARPET IN HALL NEAR DOOR TO 166	63,137	60 CHRYSOTILE	3/23/2021
MV48	PAPER TRAY AT HALLWAY INTERSECTION IN ECE	6,138	7 CHRYSOTILE	3/23/2021
MV49	ROOM 184 TOP OF BOOKSHELF ON EAST WALL	<877	N/A	3/23/2021
MV50	ROOM 185 TOP OF SHELF IN SOUTHWEST CORNER OF ROOM	<877	N/A	3/23/2021
MV54	FL1 CORRIDOR EAST AREA DESK	<877	N/A	3/23/2021
MV55	FL1 CORRIDOR CARPET AT DOOR TO ECE HALL	<877	N/A	3/23/2021
MV56	FL1 CORRIDOR WEST AREA ON CONCRETE	<877	N/A	3/23/2021
MV57	WEST STAIRWELL WINDOW LEDGE AT LANDING	2,105	1 TREMOLITE/ 1 CHRYSOTILE	3/23/2021
MV58	ROOM 181A WEST COUNTER SOUTH VENT	2,105	1 CHRYSOTILE	3/23/2021
MV59	ROOM 181 SOUTHWEST AREA TOP OF SHELF	2,105	1 CHRYSOTILE	3/23/2021
MV60	ROOM 181 SOUTHEAST COUNTER	<877	N/A	3/23/2021
MV61	ROOM 183 WEST AREA CABINET TOP	31,569	3 CHRYSOTILE	3/23/2021
MV62	ROOM 180 FLOOR NORTHEAST AREA	7,366	7 CHRYSOTILE	3/23/2021
MV76	ELEVATOR FLOOR EAST	877	1 CHRYSOLITE	3/29/2021
MV77	ROOM 166 FLOOR NORTH	4,385	5 CHRYSOTILE	3/29/2021
MV78	ROOM 166 STAIR LANDING NEAR DOOR	105,229	8 CHRYSOTILE/ 2 ACTINOLITE	3/29/2021
MV79	ROOM 166A BIN FROM NORTH WALL	4,209	2 CHRYSOTILE	3/29/2021
MV80	ROOM 166A FLOOR SOUTH	1,754	1 CHRYSOTILE/ 1 ACTINOLITE	3/29/2021
MV81	ROOM 164 FLOOR NORTHEAST	< 877	N/A	3/29/2021
MV82	ROOM 164 FLOOR SOUTHWEST	< 877	N/A	3/29/2021
MV83	ROOM 164 EAST CABINET TOP	< 877	N/A	3/29/2021
MV84	ROOM 169 FLOOR SOUTH	2,631	3 CHRYSOTILE	3/29/2021
MV85	ROOM 170 FLOOR NORTH	< 877	N/A	3/29/2021
MV86	ROOM 171 FLOOR SOUTHEAST	4,385	5 CHRYSOTILE	3/29/2021
MV87	ROOM 172 FLOOR NORTH	877	1 CHRYSOLITE	3/29/2021
MV88	ROOM 181 FLOOR NORTH	2,631	3 CHRYSOTILE	3/29/2021
MV90	ROOM 181A-2 SHELF TOP	21,046	1 CHRYSOTILE	3/29/2021
MV91	ROOM 181B FLOOR WEST	877	1 CHRYSOTILE	3/29/2021
MV92	ROOM 183 FLOOR EAST	168,367	8 CHRYSOTILE	3/29/2021
MV93	ROOM 184 FLOOR SOUTH	3,508	4 CHRYSOTILE	3/29/2021
MV94	ROOM 185 FLOOR EAST	< 877	N/A	3/29/2021
MV137	ECE EXTERIOR DRIVE THRU CASE WORK	210,458	24 CHRYSOTILE	4/6/2021
MV138	ECE EXTERIOR DRIVE THRU TABLE BOTTOM SHELF	315,687	60 CHRYSOTILE	4/6/2021
MV139	STORED CONTENTS IN 168 GREEN TRAY IN GREY BIN	< 877	N/A	4/6/2021

FIRST FLOOR - DUST SAMPLE INVENTORY (CONTINUED)				
SAMPLE ID	LOCATION	LAB RESULT (S/CM <sup>2</sup> )	ANALYTE	DATE COLLECTED
MV140	STORED CONTENTS IN 168 SMALL RED ROCKING BENCH ON NORTH COUNTER	2,105	2 CHRYSOTILE	4/6/2021
MV141	STORED CONTENTS IN 168 MAGAZINE DISPLAY SHELF TRACK SOUTH AREA	877	1 CHRYSOTILE	4/6/2021
MV142	STORED CONTENTS IN 168 BABY ROCKER SOUTH AREA	877	1 CHRYSOTILE	4/6/2021
MV143	STORED CONTENTS IN 168 BOOKSHELF LOWER SHELF SOUTHEAST AREA	< 877	N/A	4/6/2021
MV144	STORED CONTENTS IN 168 SMALL SHELF UNIT TOP SHELF EAST AREA	7,015	8 CHRYSOTILE	4/6/2021
MV145	STORED CONTENTS IN 168 LONG SINGLE SHELF NORTHEAST AREA	< 877	N/A	4/6/2021
MV390	LV 3 STAIRWELL FL1 SOUTHEAST CORNER BELOW WINDOW	< 957	N/A	5/4/2021
MV391	LV 3 STAIRWELL LANDING BETWEEN FL1 AND 2 SOUTH WINDOWSILL	< 877	N/A	5/4/2021
MV483	ECE PLAYROOM NORTHWEST TOP OF ACOUSTIC HANGING PANEL	326,210	31 CHRYSOTILE	6/15/2021
MV484	ECE PLAYROOM SOUTHWEST TOP OF ACOUSTIC HANGING PANEL	78,922	15 CHRYSOTILE	6/15/2021
MV485	ROOM 181 SOUTHWEST ACOUSTIC CEILING PANEL FROM BELOW	< 877	N/A	6/15/2021
MV486	ROOM 181 NORTHEAST ACOUSTIC CEILING PANEL FROM BELOW	< 877	N/A	6/15/2021
MV1001	ROOM 001 NORTHEAST AREA ROUND GLASS DISPLAY CASE SHELF INSIDE	877	1 CHRYSOTILE	5/21/2021
MV1002	ROOM 164 EAST UPPER CASEWORK BOTTOM SHELF AT FRONT	< 877	N/A	5/21/2021
MV1003	ROOM 164 EAST UPPER CASEWORK BOTTOM SHELF AT BACK	< 877	N/A	5/21/2021
MV1004	ROOM 164 EAST LOWER CASEWORK BOTTOM SHELF AT FRONT	< 877	N/A	5/21/2021
MV1005	ROOM 164 EAST LOWER CASEWORK BOTTOM SHELF AT BACK	< 877	N/A	5/21/2021
MV1006	ROOM 164 SOUTHWEST WOOD CABINET TOP SHELF AT FRONT	< 877	N/A	5/21/2021
MV1007	ROOM 166 NORTH METAL CABINET MIDDLE SHELF	< 877	N/A	5/21/2021
MV1008	ROOM 166 WEST METAL CABINET MIDDLE SHELF	< 877	N/A	5/21/2021
MV1009	ROOM 168 NORTH UPPER CASEWORK BOTTOM SHELF	< 877	N/A	5/21/2021
MV1010	ROOM 168 NORTH LOWER CASEWORK BOTTOM SHELF	< 877	N/A	5/21/2021
MV1011	ROOM 168 SOUTH UPPER CASEWORK BOTTOM SHELF	< 877	N/A	5/21/2021
MV1012	ROOM 168 SOUTH BINS NEXT TO SINK INSIDE TOP BIN	< 877	N/A	5/21/2021
MV1013	ROOM 168 INSIDE PIANO AGAINST NORTH WALL	< 877	N/A	5/21/2021
MV1014	ROOM 168 NORTH AREA INSIDE WHURLITZER PIANO	877	1 CHRYSOTILE	5/21/2021
MV1015	ROOM 168A NORTH UPPER SHELVING IN PROJECT BOX	< 877	N/A	5/21/2021
MV1016	ROOM 168A WEST LOWER SHELF IN PLASTIC BIN WITH BEANS/NOODLES	< 877	N/A	5/21/2021
MV1017	ROOM 169 SOUTH METAL FILE CABINET BOTTOM OF FIRST DRAWER	< 877	N/A	5/21/2021
MV1018	ROOM 170 SOUTH METAL FILE CABINET BOTTOM OF FIRST DRAWER	< 877	N/A	5/21/2021
MV1019	ROOM 171 WEST METAL FILE CABINET BOTTOM DRAWER	< 877	N/A	5/21/2021
MV1020	ROOM 172 SOUTH METAL FILE CABINET BOTTOM DRAWER	< 877	N/A	5/21/2021
MV1021	ROOM 181 SOUTHEAST WOOD DRAWERS TOP DRAWER ON SCRABBLE BOARD	< 877	N/A	5/21/2021
MV1022	ROOM 181A SOUTHWEST WALL MOUNTED WOOD CABINET BOTTOM SURFACE	< 957	N/A	5/21/2021
MV1023	ROOM 181A-2 INSIDE BLACK STORAGE BOX	< 877	N/A	5/21/2021
MV1024	ROOM 183 NORTH WOOD BENCH IN DRAWER	< 957	N/A	5/21/2021
MV1025	ROOM 183 WEST WOOD CABINET TOP SHELF AT FRONT	< 877	N/A	5/21/2021
MV1026	ROOM 184 EAST CARDBOARD BOX OF SCHOOLBOOKS	< 877	N/A	5/21/2021
MV1027	ROOM 184 NORTH PLASTIC STORAGE BIN DRAWER	< 877	N/A	5/21/2021
MV1028	ROOM 185 NORTH METAL CABINET SECOND DRAWER	< 877	N/A	5/21/2021
MV1029	FL1 E/W CORRIDOR GLASS DISPLAY CASE BOTTOM SHELF	877	1 CHRYSOTILE	5/21/2021
MV1030	ROOM 161B KITCHEN NORTH WALL UPPER CABINET	< 957	N/A	5/21/2021
MV1031	ROOM 161B KITCHEN NORTH WALL LOWER CABINET	< 993	N/A	5/21/2021
MV1032	ROOM 161B KITCHEN SOUTH WALL UPPER CABINET	< 877	N/A	5/21/2021
MV1033	ROOM 161B KITCHEN WEST WALL BOTTOM CABINET	101,020	48 CHRYSOTILE	5/21/2021



Filename: L:\Projects\40500\40535 WADOGA\40535.400-499\40535.488 Pierce College Olympic South Abatement and Repairs\CAD\40535.488\_HM1.dwg Layout Tab: HM1\_1 - 1ST FLOOR HVAC User: Katie Breyman CAD Plot Date/Time: 6/25/2021 11:55:16 AM



**LEGEND**

▲MV01	MICROVAC SURFACE SAMPLES
RED	>1,000 STRUCTURES/CM <sup>2</sup>
SD	SUPPLY DUCT
SG	SUPPLY GRILL
RG	RETURN GRILL
RP	RETURN PLENUM
FHD	FUME HOOD DUCT

1 FIRST FLOOR - HVAC DUST SAMPLE LOCATIONS  
SCALE: 1" = 12'-0"



Full Size Sheet Format Is 11x17; If Printed Size Is Not 11x17, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

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ASBESTOS SAMPLE LOCATION PLAN  
PERCE COLLEGE - OLYMPIC SOUTH ABATEMENT & REPAIRS  
9401 FARWEST DRIVE SOUTHWEST, LAKEWOOD, WASHINGTON

REVISED 6/25/2021

PROJECT
40535.488
DATE
JUN 2021
SHEET ID

SVY1.1



### FIRST FLOOR - HVAC DUST SAMPLE INVENTORY

SAMPLE ID	LOCATION	LAB RESULT (S/CM <sup>2</sup> )	ANALYTE	DATE COLLECTED
MV VISUAL 1	ABOVE OFFICE CEILING WALL	65,242	31 CHRYSOTILE	3/4/2021
MV VISUAL 2	ROOM 166 ABOVE CEILING	1,104,905	42 CHRYSOTILE	3/4/2021
MV VISUAL 3	ROOM 166A, KITCHEN CORNER ABOVE CEILING	126,275	11 CHRYSOTILE/ 1 ACTINOLITE	3/4/2021
MV12	ROOM 163 SUPPLY GRILL	2,631	3 CHRYSOTILE	3/8/2021
MV13	ROOM 165 EXHAUST	877	1 CHRYSOTILE	3/8/2021
MV14	ROOM 166 SUPPLY GRILL	< 877	N/A	3/8/2021
MV15	ROOM 166A SUPPLY GRILL	< 877	N/A	3/8/2021
MV17	ROOM 169, CEILING RETURN GRILL	< 877	N/A	3/8/2021
MV18	ROOM 171 SUPPLY GRILL	5,261	6 CHRYSOTILE	3/8/2021
MV19	ROOM 172 CEILING RETURN GRILL	< 877	N/A	3/8/2021
MV20	ROOM 170 SUPPLY GRILL	< 877	N/A	3/8/2021
MV21	HALLWAY SOUTH SUPPLY GRILL, NEAR 166	877	1 CHRYSOTILE	3/8/2021
MV22	HALLWAY WEST SUPPLY GRILL, NEAR 172	3,508	3 CHRYSOTILE/ 1 TREMOLITE	3/8/2021
MV23	HALLWAY NORTH SUPPLY GRILL, NEAR 164	877	1 CHRYSOTILE	3/8/2021
MV25	ROOM 169, ABOVE CEILING ON LAY-IN CEILING TILE	< 877	N/A	3/8/2021
MV26	ROOM 171, ABOVE CEILING ON LAY-IN CEILING TILE	11,400	13 CHRYSOTILE	3/8/2021
MV27	ROOM 172, ABOVE CEILING ON LAY-IN CEILING TILE	26,307	3 CHRYSOTILE/ 2 ACTINOLITE	3/8/2021
MV28	ROOM 170, ABOVE CEILING ON LAY-IN CEILING TILE	73,660	14 CHRYSOTILE	3/8/2021
MV29	HALLWAY SOUTH ABOVE CEILING ON LAY-IN CEILING TILE, NEAR 164	4,385	5 CHRYSOTILE	3/8/2021
MV30	HALLWAY NORTH ABOVE CEILING ON LAY-IN CEILING TILE, NEAR 168	7,015	8 CHRYSOTILE	3/8/2021
MV31	ECE CENTER SUPPLY DUCT	12,277	14 CHRYSOTILE	3/11/2021
MV33	ROOM 173, MZ1, PRE-FILTER	< 877	N/A	3/11/2021
MV35	ECE KITCHEN ABOVE HARD LID	26,307	5 CHRYSOTILE	3/11/2021
MV38	ROOM 168, HVAC RETURN	< 877	N/A	3/11/2021
MV39	MECHANICAL ROOM MZ1, FLAT SURFACE	10,523	10 CHRYSOTILE	3/17/2021

### FIRST FLOOR - HVAC DUST SAMPLE INVENTORY (CONTINUED)

SAMPLE ID	LOCATION	LAB RESULT (S/CM <sup>2</sup> )	ANALYTE	DATE COLLECTED
MV40	KITCHEN SOUTH WALL SUPPLY DUCT	1,946,738	148 CHRYSOTILE	3/17/2021
MV41	OBSERVATION WEST LARGE DUCT END	605,067	115 CHRYSOTILE	3/17/2021
MV42	OBSERVATION EAST DUCT, NORTH OPENING	11,575	9 CHRYSOTILE/ 2 ACTINOLITE	3/17/2021
MV43	EAST WALL OF 163 SUPPLY DUCT	9,470,618	88 CHRYSOTILE/ 2 WINCHITE	3/17/2021
MV44	ROOM 164, SOUTH SUPPLY DUCT	14,574,229	276 CHRYSOTILE/ 1 WINCHITE	3/17/2021
MV45	LARGE MECHANICAL RETURN FROM HALL NEAR 172	4,167,072	99 CHRYSOTILE	3/17/2021
MV51	ROOM 184 SOUTH AREA IN DUCT	1,052	1 CHRYSOTILE	3/23/2021
MV52	ROOM 185 INSIDE LARGE NORTH DUCT	4,575	1 ACTINOLITE	3/23/2021
MV53	ROOM 185 INSIDE SMALL WEST DUCT	<993	N/A	3/23/2021
MV63	FL1 CORRIDOR EAST SIDE SUPPLY DUCT	2,105	1 CHRYSOTILE	3/23/2021
MV64	ROOM 180 SOUTH UPPER DUCT	652,420	31 CHRYSOTILE	3/23/2021
MV65	ROOM 180 NORTH LOWER DUCT	736,604	35 CHRYSOTILE	3/23/2021
MV66	FL1 CORRIDOR WEST SIDE EAST SUPPLY DUCT	1,010,199	47 CHRYSOTILE/ 1 ACTINOLITE	3/23/2021
MV67	FL1 CORRIDOR WEST SIDE MIDDLE RETURN DUCT	505,100	21 CHRYSOTILE/ 2 ACTINOLITE/ 1 WINCHITE	3/23/2021
MV68	ROOM 181 WEST SUPPLY DUCT SOUTH AREA	2,105	2 CHRYSOTILE	3/23/2021
MV69	ROOM 181 AIR FILTRATION SYSTEM FILTER NORTH WALL	7,516	1 ACTINOLITE	3/23/2021
MV70	ROOM 183 SUPPLY DUCT SOUTH WALL	<957	N/A	3/23/2021
MV71	ROOM 183 AIR FILTRATION SYSTEM FILTER NORTH WALL	168,367	8 CHRYSOTILE	3/23/2021
MV72	MAIN SUPPLY FAN MECHANICAL ROOM 173	42,092	1 CHRYSOTILE/ 1 ACTINOLITE	3/29/2021
MV73	ZONE 4 SUPPLY HATCH MECHANICAL ROOM 173	105,229	5 CHRYSOTILE	3/29/2021
MV74	ZONE 9 SUPPLY HATCH MECHANICAL ROOM 173	21,046	1 CHRYSOTILE	3/29/2021
MV75	ZONE 11 SUPPLY HATCH MECHANICAL ROOM 173	105,229	5 CHRYSOTILE	3/29/2021
MV89	ROOM 181 SOUTH AIR FILTRATION FILTER	65,768	1 TREMOLITE	3/29/2021
MV490	LVL 1 ROOM 181, FUME HOOD EXHAUST DUCT	5,261	1 CHRYSOTILE	6/9/2021
MV491	LVL 1 ROOM 181A, FUME HOOD EXHAUST DUCT	2,631	3 CHRYSOTILE	6/9/2021

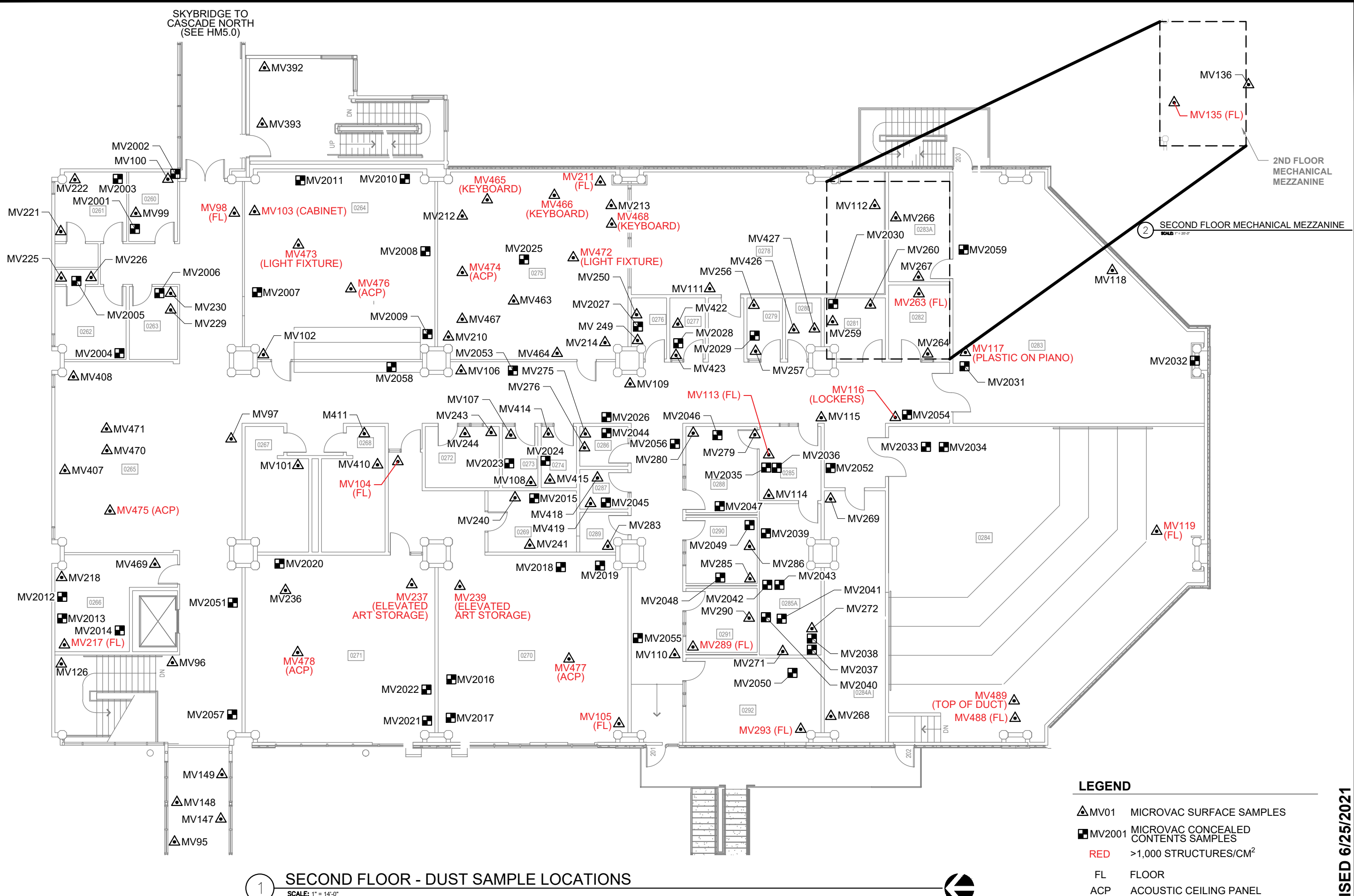


REVISED 6/25/2021

PROJECT
40535.488
DATE
JUN 2021
SHEET ID

**SVY1.1A**

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 User: Katie Breyman  
 CAD Plot Date/Time: 6/25/2021 12:04:53 PM  
 Layout Tab: HM2.0 - 2ND FLOOR OCCUPIED



**LEGEND**

△MV01	MICROVAC SURFACE SAMPLES
■MV2001	MICROVAC CONCEALED CONTENTS SAMPLES
RED	>1,000 STRUCTURES/CM <sup>2</sup>
FL	FLOOR
ACP	ACOUSTIC CEILING PANEL



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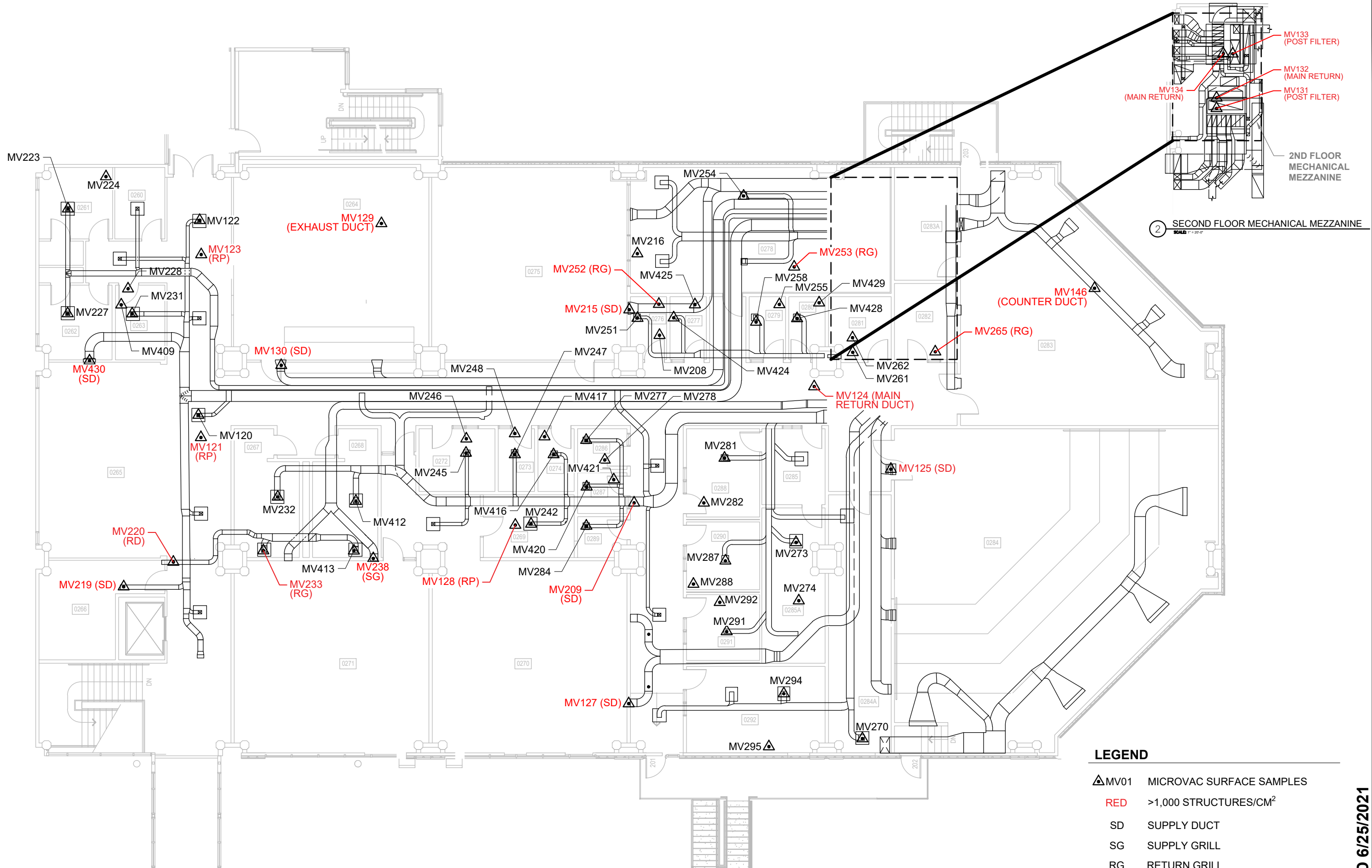
**ASBESTOS SAMPLE LOCATION PLAN**  
**PERCE COLLEGE - OLYMPIC SOUTH ABATEMENT & REPAIRS**  
 9401 FARWEST DRIVE SOUTHWEST, LAKEWOOD, WASHINGTON

REVISED 6/25/2021

PROJECT	40535.488
DATE	JUN 2021
SHEET ID	SVY2.0







1 SECOND FLOOR - HVAC DUST SAMPLE LOCATIONS  
SCALE: 1" = 14'-0"

**LEGEND**

▲MV01	MICROVAC SURFACE SAMPLES
RED	>1,000 STRUCTURES/CM <sup>2</sup>
SD	SUPPLY DUCT
SG	SUPPLY GRILLE
RG	RETURN GRILLE
RP	RETURN PLENUM
RD	RETURN DUCT



**ASBESTOS SAMPLE LOCATION PLAN**  
**PERCE COLLEGE - OLYMPIC SOUTH ABATEMENT & REPAIRS**  
9401 FARWEST DRIVE SOUTHWEST, LAKEWOOD, WASHINGTON

REVISED 6/25/2021

PROJECT	40535.488
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 Layout Tab: HM2.1A - 2ND FLOOR HVAC INVENTORY  
 User: Katie Breyman  
 CAD Plot Date/Time: 6/25/2021 12:08:53 PM

**SECOND FLOOR - HVAC DUST SAMPLE INVENTORY**

SAMPLE ID	LOCATION	LAB RESULT (S/CM <sup>2</sup> )	ANALYTE	DATE COLLECTED
MV120	LEVEL 2 NORTH E/W HALL SUPPLY GRILL NEAR 265	<877	N/A	3/30/2021
<b>MV121</b>	<b>LEVEL 2 NORTH E/W HALL RETURN PLENUM ON CEILING TILE NEAR 265</b>	<b>10,523</b>	<b>2 CHRYSOTILE</b>	<b>3/30/2021</b>
MV122	LEVEL 2 NORTH E/W HALL SUPPLY GRILL NEAR EAST END	<877	N/A	3/30/2021
<b>MV123</b>	<b>LEVEL 2 NORTH E/W HALL RETURN PLENUM ON CEILING TILE NEAR EAST END</b>	<b>2,769</b>	<b>1 CHRYSOTILE</b>	<b>3/30/2021</b>
<b>MV124</b>	<b>LEVEL 2 N/S HALL SOUTH END INSIDE MAIN RETURN DUCT</b>	<b>4,385</b>	<b>1 ANTHOPHYLLITE</b>	<b>3/30/2021</b>
<b>MV125</b>	<b>ROOM 284 NORTH WALL EAST SUPPLY DUCT</b>	<b>31,569</b>	<b>3 CHRYSOTILE</b>	<b>3/30/2021</b>
<b>MV127</b>	<b>ROOM 270 SUPPLY DUCT</b>	<b>5,846</b>	<b>1 TREMOLITE</b>	<b>3/31/2021</b>
<b>MV128</b>	<b>ROOM 269 RETURN PLENUM FROM 270 ON LAY-IN-CEILING-TILE</b>	<b>6,577</b>	<b>1 ACTINOLITE</b>	<b>3/31/2021</b>
<b>MV129</b>	<b>ROOM 264 SOUTH EAST EXHAUST DUCT</b>	<b>1,670</b>	<b>1 CHRYSOTILE</b>	<b>3/31/2021</b>
<b>MV130</b>	<b>ROOM 264 NORTH EAST SUPPLY DUCT</b>	<b>115,752</b>	<b>4 RICHTERITE/ 18 CHRYSOTILE</b>	<b>3/31/2021</b>
<b>MV131</b>	<b>2ND FLOOR MECHANICAL MEZZANINE MZ3 POST FILTER</b>	<b>4,209</b>	<b>2 CHRYSOTILE</b>	<b>4/6/2021</b>
<b>MV132</b>	<b>2ND FLOOR MECHANICAL MEZZANINE MZ3 RETURN PLATFORM</b>	<b>1,052</b>	<b>1 CHRYSOTILE</b>	<b>4/6/2021</b>
<b>MV133</b>	<b>2ND FLOOR MECHANICAL MEZZANINE MZ2 POST FILTER</b>	<b>5,261</b>	<b>1 ACTINOLITE</b>	<b>4/6/2021</b>
<b>MV134</b>	<b>2ND FLOOR MECHANICAL MEZZANINE MZ2 RETURN PLATFORM</b>	<b>2,631</b>	<b>3 CHRYSOTILE</b>	<b>4/6/2021</b>
<b>MV146</b>	<b>ROOM 283 COUNTER REGISTER IN FIBERGLASS LINED DUCT</b>	<b>5,261</b>	<b>1 TREMOLITE</b>	<b>4/6/2021</b>
MV208	ROOM 276 TOP OF HARD LID FROM HALL	877	1 CHRYSOTILE	4/8/2021
<b>MV209</b>	<b>INSIDE ACCESS DOOR TO SUPPLY DUCT NEAR 287</b>	<b>2,105</b>	<b>1 ACTINOLITE</b>	<b>4/8/2021</b>
<b>MV215</b>	<b>ROOM 275 SOUTHWEST SUPPLY DUCT</b>	<b>263,073</b>	<b>49 CHRYSOTILE/ 1 TREMOLITE</b>	<b>4/8/2021</b>
MV216	ROOM 275 SOUTH RETURN GRILL	<993	N/A	4/8/2021
<b>MV219</b>	<b>ROOM 266 NORTH SUPPLY DUCT</b>	<b>52,615</b>	<b>25 CHRYSOTILE</b>	<b>4/8/2021</b>
<b>MV220</b>	<b>ROOM 266 SOUTH RETURN DUCT</b>	<b>231,504</b>	<b>22 CHRYSOTILE</b>	<b>4/8/2021</b>
MV223	ROOM 261 CENTER CEILING SUPPLY GRILL	<877	N/A	4/8/2021
MV224	ROOM 261 SOUTH RETURN PLENUM ON LAY-IN-CEILING-TILE	<993	N/A	4/8/2021
MV227	ROOM 262 CENTER CEILING SUPPLY GRILL	<877	N/A	4/8/2021
MV228	ROOM 262 RETURN PLENUM ON LAY-IN-CEILING-TILE FROM 263	<877	N/A	4/8/2021
MV231	ROOM 263 CENTER CEILING SUPPLY GRILL	<877	N/A	4/8/2021
MV232	ROOM 267 CEILING SUPPLY GRILL	<877	N/A	4/8/2021
<b>MV233</b>	<b>ROOM 267 CEILING RETURN GRILL</b>	<b>5,261</b>	<b>1 ACTINOLITE</b>	<b>4/8/2021</b>
<b>MV238</b>	<b>ROOM 271 EAST WALL SUPPLY GRILL</b>	<b>10,523</b>	<b>5 CHRYSOTILE</b>	<b>4/8/2021</b>
MV242	ROOM 269 CEILING SUPPLY GRILL	<877	N/A	4/8/2021
MV245	ROOM 272 WEST CEILING SUPPLY GRILL	<877	N/A	4/8/2021
MV246	ROOM 272 EAST CEILING RETURN GRILL	<877	N/A	4/8/2021
MV247	ROOM 273 EAST CEILING RETURN GRILL	<877	N/A	4/8/2021
MV248	ROOM 273 WEST CEILING SUPPLY GRILL	<877	N/A	4/8/2021

**SECOND FLOOR - HVAC DUST SAMPLE INVENTORY (CONTINUED)**

SAMPLE ID	LOCATION	LAB RESULT (S/CM <sup>2</sup> )	ANALYTE	DATE COLLECTED
MV251	ROOM 276 NORTH CEILING SUPPLY GRILL	<877	N/A	4/8/2021
<b>MV252</b>	<b>ROOM 276 EAST CEILING RETURN GRILL</b>	<b>5,261</b>	<b>1 TREMOLITE</b>	<b>4/8/2021</b>
<b>MV253</b>	<b>ROOM 278 SOUTHWEST CEILING RETURN GRILL</b>	<b>7,516</b>	<b>1 ACTINOLITE</b>	<b>4/8/2021</b>
MV254	ROOM 278 NORTHEAST CEILING SUPPLY GRILL	<877	N/A	4/8/2021
MV255	ROOM 279 SOUTHEAST CEILING RETURN GRILL	<877	N/A	4/8/2021
MV258	ROOM 279 NORTH CEILING SUPPLY GRILL	<877	N/A	4/8/2021
MV261	ROOM 281 NORTHWEST CORNER SOUTH SIDE OF COLUMN SUPPLY GRILL	877	1 CHRYSOTILE	4/8/2021
MV262	ROOM 281 NORTH WALL CEILING RETURN GRILL	<877	N/A	4/8/2021
<b>MV265</b>	<b>ROOM 282 WEST CEILING RETURN GRILL</b>	<b>15,784</b>	<b>1 TREMOLITE/ 2 CHRYSOTILE</b>	<b>4/8/2021</b>
MV270	ROOM 284A WEST CEILING SUPPLY GRILL	<877	N/A	4/8/2021
MV273	ROOM 285A EAST CEILING SUPPLY GRILL	<877	N/A	4/8/2021
MV274	ROOM 285A CENTER AREA CEILING RETURN GRILL	<877	N/A	4/8/2021
MV277	ROOM 286 NORTHEAST CEILING SUPPLY GRILL	<877	N/A	4/8/2021
MV278	ROOM 286 SOUTHWEST CEILING RETURN GRILL	<877	N/A	4/8/2021
MV281	ROOM 288 CENTER AREA SUPPLY GRILL	<877	N/A	4/8/2021
MV282	ROOM 288 NORTHWEST RETURN GRILL	<877	N/A	4/8/2021
MV284	ROOM 289 NORTHEAST CEILING GRILL	<877	N/A	4/8/2021
MV287	ROOM 290 CENTER AREA CEILING SUPPLY GRILL	<877	N/A	4/8/2021
MV288	ROOM 290 NORTHWEST CEILING RETURN GRILL FACE	<877	N/A	4/8/2021
MV291	ROOM 291 CENTER AREA CEILING SUPPLY GRILL	<877	N/A	4/8/2021
MV292	ROOM 291 NORTHEAST CEILING RETURN GRILL	<877	N/A	4/8/2021
MV294	ROOM 292 SOUTHEAST CEILING SUPPLY GRILL	<877	N/A	4/8/2021
MV295	ROOM 292 SOUTHWEST CEILING RETURN GRILL	<877	N/A	4/8/2021
MV409	ROOM 262 RETURN PLENUM TAKEN FROM ROOM 263 ON LAY-IN-CEILING-TILE	<877	N/A	5/11/2021
MV412	ROOM 268, EAST SUPPLY GRILL	<877	N/A	5/11/2021
MV413	ROOM 268, WEST RETURN GRILL	<877	N/A	5/11/2021
MV416	ROOM 274, CENTRAL SUPPLY GRILL	<877	N/A	5/11/2021
MV417	ROOM 274, EAST RETURN GRILL	<877	N/A	5/11/2021
MV420	ROOM 287, NORTH SUPPLY GRILL	<877	N/A	5/11/2021
MV421	ROOM 287, SOUTH RETURN GRILL	<877	N/A	5/11/2021
MV424	ROOM 277, NORTH SUPPLY GRILL	<877	N/A	5/11/2021
MV425	ROOM 277, EAST RETURN GRILL	<877	N/A	5/11/2021
MV428	ROOM 280, NORTH SUPPLY GRILL	<877	N/A	5/11/2021
MV429	ROOM 280, EAST RETURN GRILL	<877	N/A	5/11/2021
<b>MV430</b>	<b>ROOM 265 ART GALLERY, EAST WALL, NORTH AREA SUPPLY DUCT</b>	<b>894,447</b>	<b>34 CHRYSOLITE</b>	<b>5/13/2021</b>

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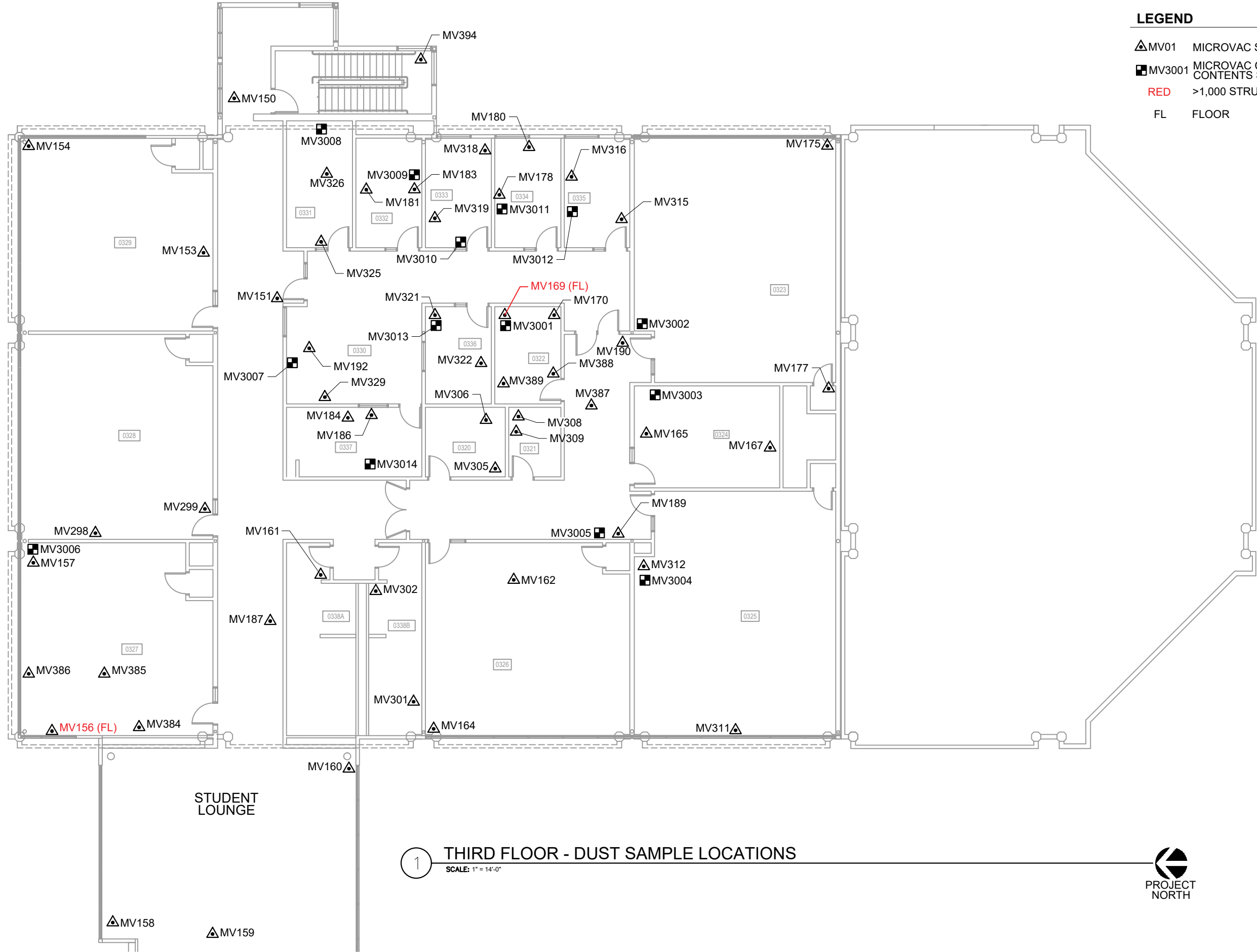


**ASBESTOS SAMPLE INVENTORY**  
**PERCE COLLEGE - OLYMPIC SOUTH ABATEMENT & REPAIRS**  
 9401 FARWEST DRIVE SOUTHWEST, LAKEWOOD, WASHINGTON

REVISED 6/25/2021

PROJECT
40535.488
DATE
JUN 2021
SHEET ID
<b>SVY2.1A</b>

Filename: L:\Projects\40500\40535 WADOGA\40535.400-499\40535.488 Pierce College Olympic South Abatement and Repairs\CAD\40535.488\_HM3.dwg Layout Tab: HM3.0 - 3RD FLOOR OCCUPIED User: Katie Breyman CAD Plot Date/Time: 6/23/2021 4:41:03 PM



- LEGEND**
- △ MV01 MICROVAC SURFACE SAMPLES
  - MV3001 MICROVAC CONCEALED CONTENTS SAMPLES
  - RED >1,000 STRUCTURES/CM<sup>2</sup>
  - FL FLOOR

1 THIRD FLOOR - DUST SAMPLE LOCATIONS  
SCALE: 1" = 14'-0"



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**ASBESTOS SAMPLE LOCATION PLAN**  
**PIERCE COLLEGE - OLYMPIC SOUTH ABATEMENT & REPAIRS**  
9401 FARWEST DRIVE SOUTHWEST, LAKEWOOD, WASHINGTON

REVISED 6/23/2021

PROJECT	40535.488
DATE	JUN 2021
SHEET ID	SVY3.0

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**THIRD FLOOR - DUST SAMPLE INVENTORY**

SAMPLE ID	LOCATION	LAB RESULT (S/CM <sup>2</sup> )	ANALYTE	DATE COLLECTED
MV150	LEVEL 3 ALCOVE NEAR EAST STAIRS NORTH AREA	<957	N/A	4/6/2021
MV151	CARPET IN HALL NEAR DOOR TO 330	877	1 CHRYSOTILE	4/6/2021
MV153	ROOM 329 SOUTH CARPET	<957	N/A	4/6/2021
MV154	ROOM 329 WINDOWSILL	< 877	N/A	4/6/2021
<b>MV156</b>	<b>ROOM 327 CARPET WEST AREA</b>	<b>1,754</b>	<b>2 CHRYSOTILE</b>	<b>4/6/2021</b>
MV157	ROOM 327 NORTHEAST CABINET TOP	< 877	N/A	4/6/2021
MV158	LEVEL 3 STUDENT LOUNGE CARPET NORTHWEST AREA	< 877	N/A	4/6/2021
MV159	LEVEL 3 STUDENT LOUNGE SOUTHWEST DESK	< 877	N/A	4/6/2021
MV160	LEVEL 3 STUDENT LOUNGE SOUTHEAST CARPET	< 877	N/A	4/6/2021
MV161	ROOM 338A WOMEN'S RESTROOM FLOOR NEAR ENTRY	< 877	N/A	4/6/2021
MV162	ROOM 326 EAST PODIUM LOWER SHELF	< 877	N/A	4/6/2021
MV164	ROOM 326 NORTHWEST WINDOW BASE	< 877	N/A	4/6/2021
MV165	ROOM 324 NORTH SMALL TABLE	< 877	N/A	4/6/2021
MV167	ROOM 324 SOUTHWEST CARPET	< 877	N/A	4/6/2021
<b>MV169</b>	<b>ROOM 322 EAST CARPET</b>	<b>1,913</b>	<b>2 CHRYSOTILE</b>	<b>4/6/2021</b>
MV170	ROOM 322 SOUTHEAST DESK	<957	N/A	4/6/2021
MV175	ROOM 323 SOUTHEAST CARPET	< 877	N/A	4/7/2021
MV177	ROOM 323 SOUTHWEST CLOSET WALL MOUNTED SERVER	< 877	N/A	4/7/2021
MV178	ROOM 334 NORTH CARPET	< 877	N/A	4/7/2021
MV180	ROOM 334 NORTHEAST DESK	877	1 CHRYSOTILE	4/7/2021
MV181	ROOM 332 NORTH CARPET	< 877	N/A	4/7/2021
MV183	ROOM 332 SOUTH CABINET	< 877	N/A	4/7/2021
MV184	ROOM 337 EAST CARPET	< 877	N/A	4/7/2021
MV186	ROOM 337 EAST WINDOWSILL	< 877	N/A	4/7/2021
MV187	HALL NEAR 327 CARPET SOUTH	< 877	N/A	4/7/2021
MV189	HALL NEAR 325 WEST CABINET TOP	< 877	N/A	4/7/2021
MV190	HALL NEAR 323 CARPET	877	1 ACTINOLITE	4/7/2021
MV192	330 NORTH CARPET BEHIND DESK	< 877	N/A	4/7/2021
MV298	ROOM 328 WEST CARPET	< 877	N/A	4/13/2021
MV299	ROOM 328 WINDOW BASE EDGE SOUTH WALL NEAR DOOR	< 877	N/A	4/13/2021
MV301	ROOM 338B MEN'S RESTROOM SOUTHWEST FLOOR TILE	< 877	N/A	4/13/2021
MV302	ROOM 338B MEN'S RESTROOM NORTHEAST SINK COUNTER	< 877	N/A	4/13/2021
MV305	ROOM 320 SOUTHWEST CONCRETE FLOOR	< 877	N/A	4/13/2021
MV306	ROOM 320 EAST WATER HEATER	< 957	N/A	4/13/2021
MV308	ROOM 321 NORTHEAST CONCRETE FLOOR	877	1 CHRYSOTILE	4/13/2021

**THIRD FLOOR - DUST SAMPLE INVENTORY (CONTINUED)**

SAMPLE ID	LOCATION	LAB RESULT (S/CM <sup>2</sup> )	ANALYTE	DATE COLLECTED
MV309	ROOM 321 NORTH WALL MOUNTED GREY METAL BOX	< 877	N/A	4/13/2021
MV311	ROOM 325 WEST CARPET	< 877	N/A	4/13/2021
MV312	ROOM 325 NORTH EAST METAL FILING CABINET	< 877	N/A	4/13/2021
MV315	ROOM 335 SOUTHWEST CARPET	< 877	N/A	4/13/2021
MV316	ROOM 335 NORTHEAST DESK	< 877	N/A	4/13/2021
MV318	ROOM 333 SOUTHEAST CARPET	< 877	N/A	4/13/2021
MV319	ROOM 333 NORTH METAL CABINET TOP	< 877	N/A	4/13/2021
MV321	ROOM 336 NORTHEAST CARPET	< 877	N/A	4/13/2021
MV322	ROOM 336 SOUTH METAL CABINET TOP	< 877	N/A	4/13/2021
MV325	ROOM 331 WEST CARPET	< 957	N/A	4/13/2021
MV326	ROOM 331 CENTER METAL CABINET TOP	< 877	N/A	4/13/2021
MV329	330 RECEPTION WEST METAL BOOKSHELF TOP	< 877	N/A	4/13/2021
MV384	ROOM 327 CARPET WEST WALL SOUTH AREA	< 877	N/A	5/3/2021
MV385	ROOM 327 CARPET CENTRAL WEST AREA	< 877	N/A	5/3/2021
MV386	ROOM 327 CARPET NORTH WALL WEST AREA	< 877	N/A	5/3/2021
MV387	HALL NEAR ROOM 322 CARPET	< 877	N/A	5/3/2021
MV388	ROOM 322 CARPET SOUTH AREA EAST OF DOOR	< 877	N/A	5/3/2021
MV389	ROOM 322 CARPET NORTH AREA	< 877	N/A	5/3/2021
MV394	LV 3 STAIRWELL LANDING BETWEEN FL2 AND 3 SOUTHEAST CORNER LANDING SUPPORT	877	1 WINCHITE	5/4/2021
MV3001	ROOM 322 NORTH METAL FILE CABINET UNDER DESK TOP DRAWER	< 877	N/A	5/13/2021
MV3002	ROOM 323 NORTH METAL FILE CABINET SECOND DRAWER	< 877	N/A	5/13/2021
MV3003	ROOM 324 EAST FILE CABINET FIRST DRAWER	877	1 CHRYSOTILE	5/13/2021
MV3004	ROOM 325 NORTH FILE CABINET TOP DRAWER	< 877	N/A	5/13/2021
MV3005	LV3 CABINET IN HALL NEAR ROOM 325	< 877	N/A	5/13/2021
MV3006	ROOM 327 NORTHEAST METAL CABINET ON BOTTOM	< 877	N/A	5/13/2021
MV3007	ROOM 330 NORTH FILE CABINET TOP DRAWER	< 877	N/A	5/13/2021
MV3008	ROOM 331 EAST METAL FILE CABINET NEXT TO DESK TOP DRAWER	< 877	N/A	5/13/2021
MV3009	ROOM 332 SOUTH METAL CABINET TOP DRAWER	< 877	N/A	5/13/2021
MV3010	ROOM 333 WEST METAL CABINET UNDER TABLE FIRST DRAWER	< 877	N/A	5/13/2021
MV3011	ROOM 334 NORTH FILE CABINET BOTTOM DRAWER	< 877	N/A	5/13/2021
MV3012	ROOM 335 NORTH FILE CABINET BOTTOM DRAWER	< 877	N/A	5/13/2021
MV3013	ROOM 336 NORTH FILE CABINET TOP DRAWER	< 877	N/A	5/13/2021
MV3014	ROOM 337 WEST CASE WORK TOP DRAWER	< 877	N/A	5/13/2021

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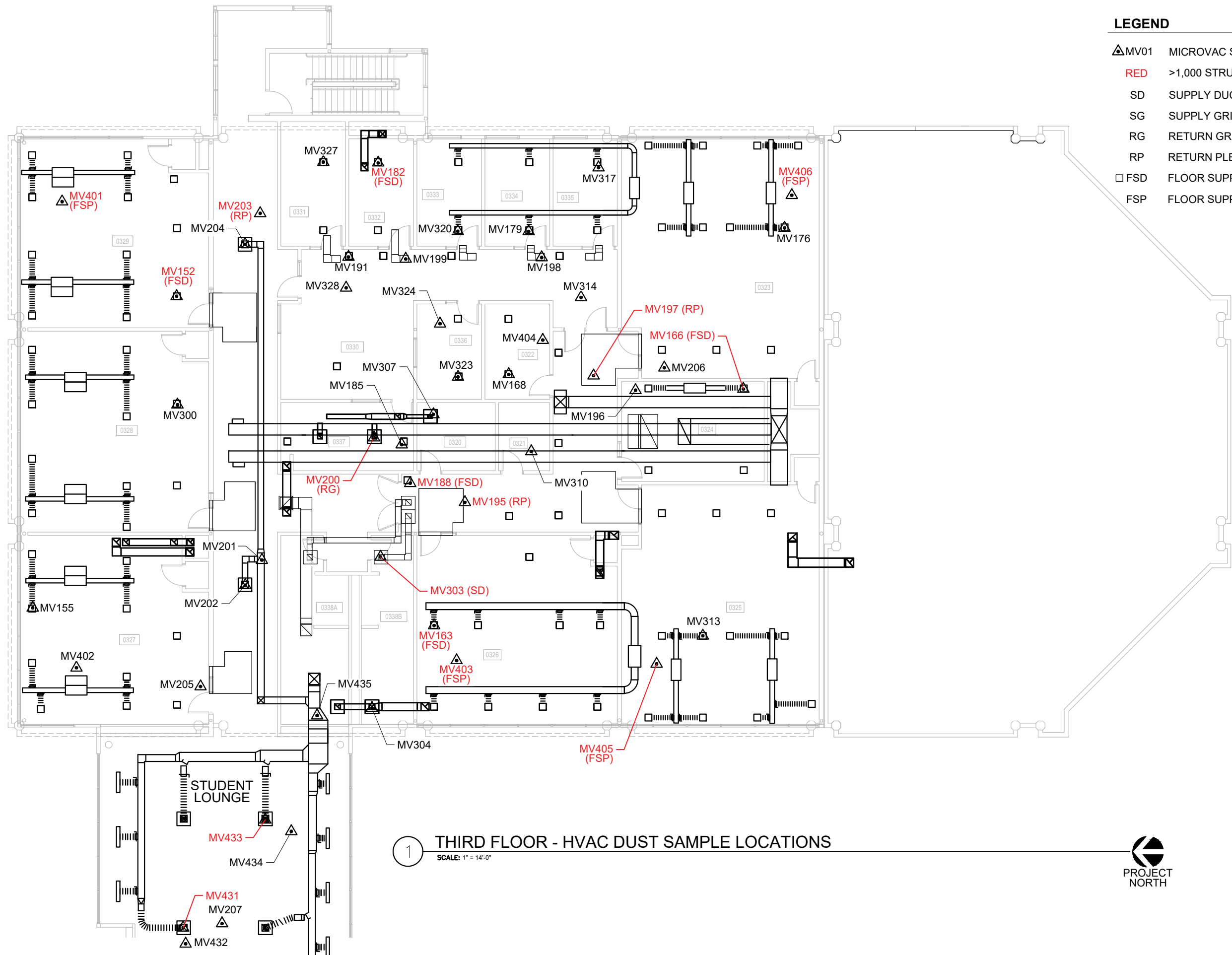
**ASBESTOS SAMPLE INVENTORY**  
**PERCE COLLEGE - OLYMPIC SOUTH ABATEMENT & REPAIRS**  
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**LEGEND**

▲MV01	MICROVAC SURFACE SAMPLES
RED	>1,000 STRUCTURES/CM <sup>2</sup>
SD	SUPPLY DUCT
SG	SUPPLY GRILL
RG	RETURN GRILL
RP	RETURN PLENUM
□ FSD	FLOOR SUPPLY DUCT
FSP	FLOOR SUPPLY PLENUM

1 THIRD FLOOR - HVAC DUST SAMPLE LOCATIONS  
SCALE: 1" = 14'-0"



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**ASBESTOS SAMPLE LOCATION PLAN**  
**PERCE COLLEGE - OLYMPIC SOUTH ABATEMENT & REPAIRS**  
9401 FARWEST DRIVE SOUTHWEST, LAKEWOOD, WASHINGTON

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PROJECT 40535.488
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**THIRD FLOOR - HVAC DUST SAMPLE INVENTORY**

SAMPLE ID	LOCATION	LAB RESULT (S/CM <sup>2</sup> )	ANALYTE	DATE COLLECTED
<b>MV152</b>	<b>ROOM 329 FLOOR SUPPLY DUCT SOUTHWEST AREA</b>	<b>63,137</b>	<b>3 CHRYSOTILE</b>	<b>4/6/2021</b>
MV155	ROOM 327 NORTH CENTER FLOOR SUPPLY DUCT	<957	N/A	4/6/2021
<b>MV163</b>	<b>ROOM 326 NORTHEAST FLOOR SUPPLY DUCT</b>	<b>6,190</b>	<b>1 TREMOLITE</b>	<b>4/6/2021</b>
<b>MV166</b>	<b>ROOM 324 SOUTHEAST FLOOR SUPPLY DUCT</b>	<b>1,385</b>	<b>1 ACTINOLITE</b>	<b>4/6/2021</b>
MV168	ROOM 322 NORTHWEST FLOOR SUPPLY DUCT	957	1 ACTINOLITE	4/6/2021
MV176	ROOM 323 SOUTH FLOOR SUPPLY	< 877	N/A	4/7/2021
MV179	ROOM 334 SOUTHWEST FLOOR SUPPLY	<957	N/A	4/7/2021
<b>MV182</b>	<b>ROOM 332 EAST FLOOR SUPPLY</b>	<b>1,052</b>	<b>1 CHRYSOTILE</b>	<b>4/7/2021</b>
MV185	ROOM 337 SOUTH FLOOR SUPPLY	< 877	N/A	4/7/2021
<b>MV188</b>	<b>HALL NEAR 320 FLOOR SUPPLY</b>	<b>1,169</b>	<b>1 TREMOLITE</b>	<b>4/7/2021</b>
MV191	330 FLOOR SUPPLY NORTHEAST HALL	< 877	N/A	4/7/2021
<b>MV195</b>	<b>ROOM 326 CUT RETURN DUCT FROM HALL</b>	<b>2,769</b>	<b>1 TREMOLITE</b>	<b>4/8/2021</b>
MV196	ROOM 324 CUT RETURN DUCT ABOVE LAY-IN-CEILING-TILE	< 877	N/A	4/8/2021
<b>MV197</b>	<b>ROOM 323 CUT RETURN DUCT FROM HALL</b>	<b>1,052</b>	<b>1 TREMOLITE</b>	<b>4/8/2021</b>
MV198	ROOM 334 CUT RETURN DUCT FROM HALL	<957	N/A	4/8/2021
MV199	ROOM 332 CUT RETURN DUCT FROM HALL	<993	N/A	4/8/2021
<b>MV200</b>	<b>ROOM 337 SOUTH CEILING RETURN GRILL</b>	<b>5,385</b>	<b>1 TREMOLITE</b>	<b>4/8/2021</b>
MV201	LV3 NORTH E/W HALL WEST END RETURN PLENUM ON HARD LID	< 877	N/A	4/8/2021
MV202	LV3 NORTH E/W HALL WEST END CEILING SUPPLY GRILL INSIDE FACE	< 877	N/A	4/8/2021
<b>MV203</b>	<b>LV3 NORTH E/W HALL EAST END RETURN PLENUM ON HARD LID</b>	<b>21,046</b>	<b>2 ACTINOLITE</b>	<b>4/8/2021</b>
MV204	LV3 NORTH E/W HALL EAST END CEILING SUPPLY GRILL INSIDE FACE	< 877	N/A	4/8/2021
MV205	ROOM 327 ABOVE CEILING ON LAY-IN-CEILING-TILE SOUTHWEST AREA	< 877	N/A	4/8/2021
MV206	ROOM 323 ABOVE CEILING ON LAY-IN-CEILING-TILE NORTHEAST AREA	<957	N/A	4/8/2021
MV207	LV3 STUDENT LOUNGE WEST CEILING RETURN GRILL	< 877	N/A	4/8/2021
MV300	ROOM 328 SOUTHEAST FLOOR SUPPLY DUCT	< 877	N/A	4/13/2021
<b>MV303</b>	<b>ROOM 338B MEN'S RESTROOM EAST CEILING SUPPLY GRILL INSIDE FACE</b>	<b>10,523</b>	<b>1 TREMOLITE</b>	<b>4/13/2021</b>

**THIRD FLOOR - HVAC DUST SAMPLE INVENTORY (CONTINUED)**

SAMPLE ID	LOCATION	LAB RESULT (S/CM <sup>2</sup> )	ANALYTE	DATE COLLECTED
MV304	ROOM 338B MEN'S RESTROOM WEST CEILING RETURN DUCT	877	1 ACTINOLITE	4/13/2021
MV307	ROOM 320 NORTHEAST CEILING RETURN DUCT	< 877	N/A	4/13/2021
MV310	ROOM 321 WEST CEILING MITSUBISHI ELECTRIC FAN UNIT	< 877	N/A	4/13/2021
MV313	ROOM 325 CENTER FLOOR SUPPLY DUCT	< 877	N/A	4/13/2021
MV314	330 HALL SOUTH ENTRY RETURN PLENUM ON LAY-IN CEILING TILE	< 877	N/A	4/13/2021
MV317	ROOM 335 EAST FLOOR SUPPLY DUCT	< 877	N/A	4/13/2021
MV320	ROOM 333 WEST FLOOR SUPPLY DUCT	< 877	N/A	4/13/2021
MV323	ROOM 336 WEST FLOOR SUPPLY DUCT	< 877	N/A	4/13/2021
MV324	ROOM 336 EAST AREA RETURN PLENUM ON LAY-IN CEILING TILE	< 877	N/A	4/13/2021
MV327	ROOM 331 EAST FLOOR SUPPLY DUCT	< 877	N/A	4/13/2021
MV328	HALL NEAR 331 RETURN PLENUM ON LAY-IN-CEILING-TILE	< 877	N/A	4/13/2021
<b>MV401</b>	<b>ROOM 329 FLOOR SUPPLY PLENUM AT NORTHEAST FLOOR HATCH</b>	<b>5,261</b>	<b>1 TREMOLITE</b>	<b>5/10/2021</b>
MV402	ROOM 327 FLOOR SUPPLY PLENUM AT NORTHWEST FLOOR HATCH	<877	N/A	5/10/2021
<b>MV403</b>	<b>LV3 FLOOR SUPPLY PLENUM, SOUTHWEST AREA</b>	<b>1,754</b>	<b>2 TREMOLITE</b>	<b>5/10/2021</b>
MV404	LV3 FLOOR SUPPLY PLENUM, SOUTHEAST AREA	<877	N/A	5/10/2021
<b>MV405</b>	<b>ROOM 325 FLOOR SUPPLY PLENUM, NORTHWEST AREA</b>	<b>11,480</b>	<b>10 CHRYSOTILE/ 2 TREMOLITE</b>	<b>5/10/2021</b>
<b>MV406</b>	<b>ROOM 322 FLOOR SUPPLY PLENUM, SOUTHEAST AREA</b>	<b>21,046</b>	<b>3 ACTINOLITE/ 1 TREMOLITE</b>	<b>5/10/2021</b>
<b>MV431</b>	<b>LV3 STUDENT LOUNGE, NORTHWEST SUPPLY DUCT</b>	<b>1,422</b>	<b>1 TREMOLITE</b>	<b>5/13/2021</b>
MV432	LV3 STUDENT LOUNGE, NORTHWEST ON TOP OF LAY-IN CEILING TILE	<877	N/A	5/13/2021
<b>MV433</b>	<b>LV3 STUDENT LOUNGE, SOUTHEAST SUPPLY DUCT</b>	<b>1,315</b>	<b>1 TREMOLITE</b>	<b>5/13/2021</b>
MV434	LV3 STUDENT LOUNGE, SOUTHEAST ON TOP OF LAY-IN CEILING TILE	<877	N/A	5/13/2021
MV435	ROOM 338A RESTROOM SUPPLY DUCT HATCH	<957	N/A	5/13/2021

Full Size Sheet Format Is 11x17; If Printed Size is Not 11x17, Then This Sheet Format Has Been Modified & Indicated Drawing Scale Is Not Accurate.

**REVISED 6/23/2021**

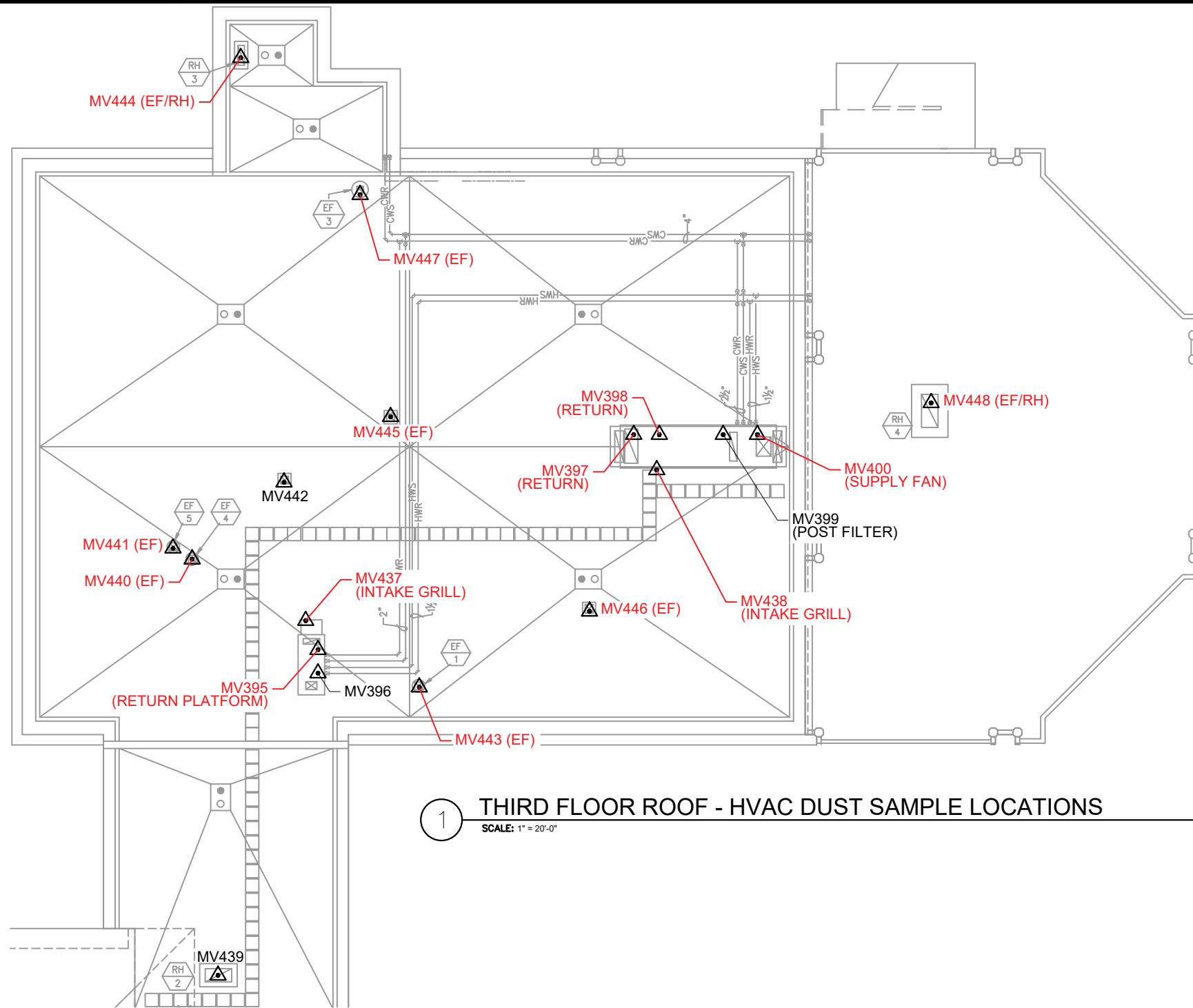
PROJECT  
40535.488  
DATE  
JUN 2021  
SHEET ID

**SVY3.1A**

**ASBESTOS SAMPLE INVENTORY**  
**PERCE COLLEGE - OLYMPIC SOUTH ABATEMENT & REPAIRS**  
 9401 FARWEST DRIVE SOUTHWEST, LAKEWOOD, WASHINGTON



PBS Engineering and  
 Environmental Inc.  
 214 East Galer Street, Ste 300  
 Seattle, WA 98102  
 206.233.9639  
 pbsusa.com



- LEGEND**
- △ MV01 MICROVAC SURFACE SAMPLES
  - RED >1,000 STRUCTURES/CM<sup>2</sup>
  - EF EXHAUST FAN
  - RH SUPPLY GRILL

1 THIRD FLOOR ROOF - HVAC DUST SAMPLE LOCATIONS  
SCALE: 1" = 20'-0"



THIRD FLOOR ROOF - HVAC DUST SAMPLE INVENTORY				
SAMPLE ID	LOCATION	LAB RESULT (S/CM <sup>2</sup> )	ANALYTE	DATE COLLECTED
MV395	LV3 ROOF NORTHWEST HVAC RETURN PLATFORM	2,192	1 ANTHOPHYLLITE	5/5/2021
MV396	LV3 ROOF NORTHWEST HVAC SUPPLY FAN	<877	N/A	5/5/2021
MV397	LV3 ROOF MAIN HVAC EAST SIDE NORTH PANEL RETURN SIDE	6,314	1 ACTINOLITE/ 2 CHRYSOTILE	5/5/2021
MV398	LV3 ROOF MAIN HVAC EAST SIDE CENTER/NORTH PANEL RETURN SIDE NEAR FILTER	2,105	1 CHRYSOTILE	5/5/2021
MV399	LV3 ROOF MAIN HVAC EAST SIDE CENTER/SOUTH PANEL POST FILTER	<877	N/A	5/5/2021
MV400	LV3 ROOF MAIN HVAC EAST SIDE SOUTH PANEL SUPPLY FAN	2,105	1 CHRYSOTILE	5/5/2021
MV437	LV3 ROOF NORTHWEST HVAC INTAKE GRILL	420,916	8 CHRYSOTILE	5/19/2021
MV438	LV3 ROOF MAIN HVAC WEST SIDE INTAKE GRILL	157,844	1 ACTINOLITE/ 1 TREMOLITE/ 1 CHRYSOTILE	5/19/2021
MV439	LV3 RECTANGULAR ROOF EXHAUST OVER STUDENT LOUNGE	<877	N/A	5/19/2021

THIRD FLOOR ROOF - HVAC DUST SAMPLE INVENTORY (CONTINUED)				
SAMPLE ID	LOCATION	LAB RESULT (S/CM <sup>2</sup> )	ANALYTE	DATE COLLECTED
MV440	LV3 ROUND ROOF EXHAUST NORTHWEST AREA	15,784	3 CHRYSOTILE	5/19/2021
MV441	LV3 ROUND ROOF EXHAUST NORTHWEST AREA	26,307	1 ACTINOLITE/ 4 CHRYSOTILE	5/19/2021
MV442	LV3 ROUND ROOF EXHAUST NORTH CENTRAL AREA	877	1 CHRYSOTILE	5/19/2021
MV443	LV3 ROUND ROOF EXHAUST WEST CENTRAL AREA	10,523	1 ACTINOLITE/ 1 CHRYSOTILE	5/19/2021
MV444	LV3 RECTANGULAR ROOF EXHAUST OVER NORTHEAST STAIRWELL	12,627	6 CHRYSOTILE	5/19/2021
MV445	LV3 ROUND ROOF EXHAUST NORTH OF MAIN HVAC	21,046	1 ACTINOLITE	5/19/2021
MV446	LV3 ROUND ROOF EXHAUST SOUTHWEST AREA	14,732	6 CHRYSOTILE/ 1 ANTHOPHYLLITE	5/19/2021
MV447	LV3 ROOF EXHAUST EAST OF MAIN HVAC	5,261	4 CHRYSOTILE/ 1 TREMOLITE	5/19/2021
MV448	LV2 RECTANGULAR ROOF EXHAUST NORTH CENTRAL AREA	1,052	1 ACTINOLITE	5/19/2021

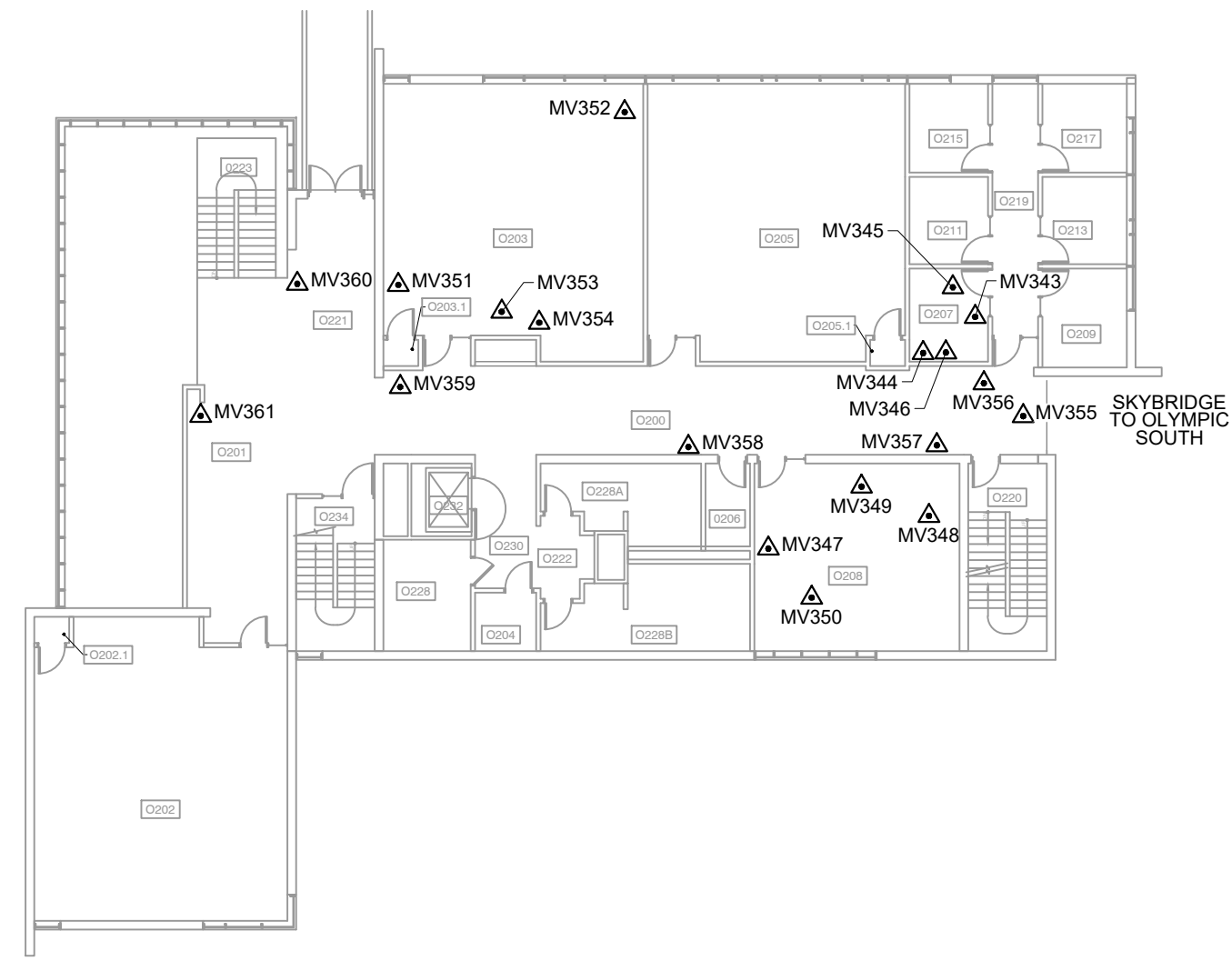
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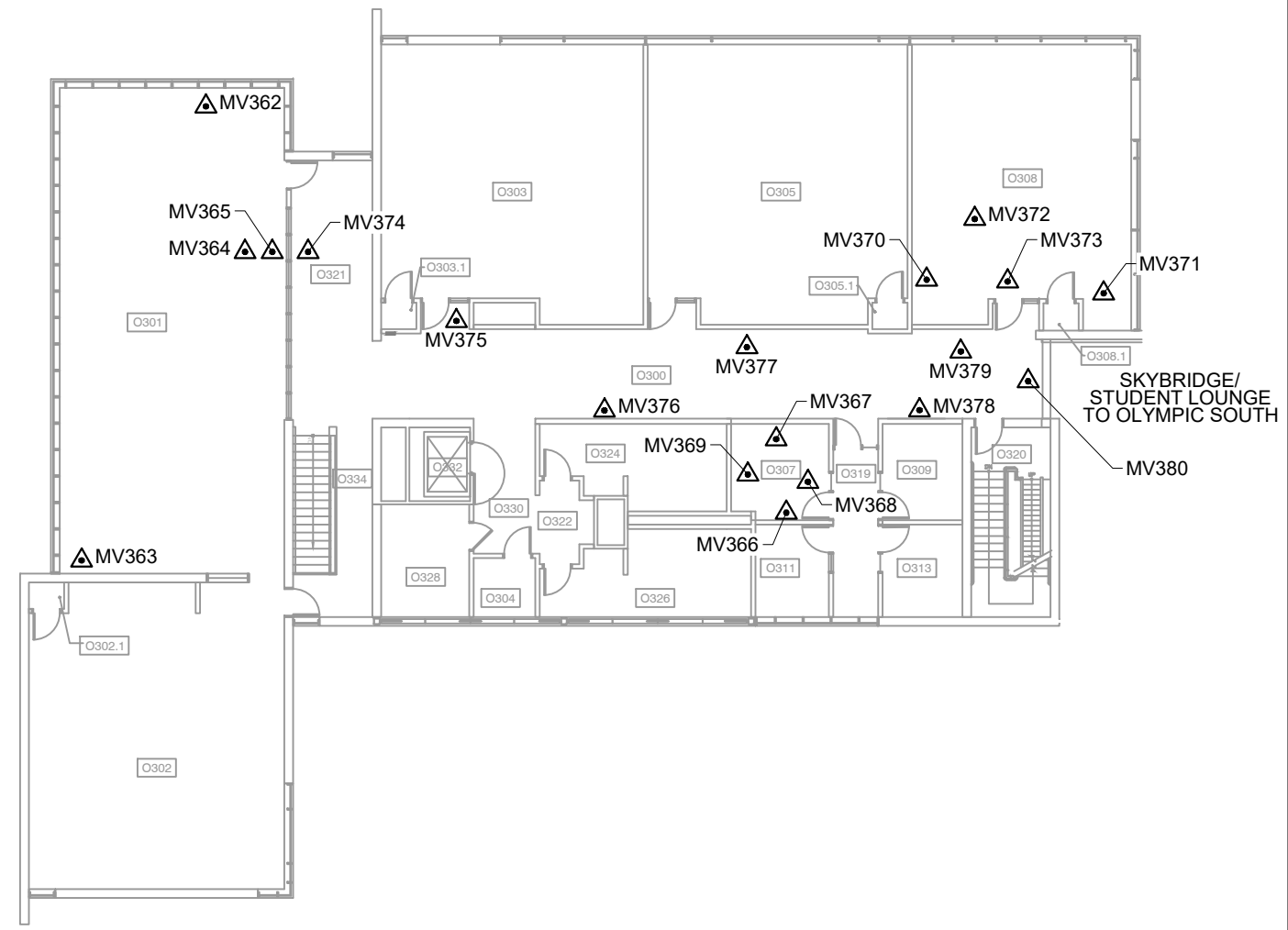
ASBESTOS SAMPLE LOCATION PLAN  
PERCE COLLEGE - OLYMPIC SOUTH ABATEMENT & REPAIRS  
9401 FARWEST DRIVE SOUTHWEST, LAKEWOOD, WASHINGTON


PROJECT	40535.488
DATE	JUN 2021
SHEET ID	SVY3.2

PBS Engineering and Environmental Inc.  
214 East Galer Street, Ste 300  
Seattle, WA 98102  
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pbsusa.com



1 OLYMPIC BUILDING NORTH 2ND FLOOR - DUST SAMPLE LOCATIONS  
 SCALE: 1" = 20'-0"  
 PROJECT NORTH



2 OLYMPIC BUILDING NORTH 3RD FLOOR - DUST SAMPLE LOCATIONS  
 SCALE: 1" = 20'-0"  
 PROJECT NORTH

**LEGEND**  
 ▲MV01 MICROVAC SURFACE SAMPLES



**ASBESTOS SAMPLE LOCATION PLAN**  
**PERCE COLLEGE - OLYMPIC SOUTH ABATEMENT & REPAIRS**  
 9401 FARWEST DRIVE SOUTHWEST, LAKEWOOD, WASHINGTON

PROJECT	40535.488
DATE	JUN 2021
SHEET ID	SVY4.0

REVISED 6/23/2021



OLYMPIC BUILDING NORTH - DUST SAMPLE INVENTORY				
SAMPLE ID	LOCATION	LAB RESULT (S/CM <sup>2</sup> )	ANALYTE	DATE COLLECTED
MV343	OLYMPIC N ROOM 207 EAST CARPET	<877	N/A	4/16/2021
MV344	OLYMPIC N ROOM 207 SOUTHWEST TABLE	<877	N/A	4/16/2021
MV345	OLYMPIC N ROOM 207 NORTHEAST CEILING SUPPLY GRILL	<877	N/A	4/16/2021
MV346	OLYMPIC N ROOM 207 SOUTHWEST CEILING RETURN GRILL	<877	N/A	4/16/2021
MV347	OLYMPIC N ROOM 208 WEST CARPET	<877	N/A	4/16/2021
MV348	OLYMPIC N ROOM 208 NORTHEAST TEACHER DESK	<877	N/A	4/16/2021
MV349	OLYMPIC N ROOM 208 NORTH CEILING SUPPLY GRILL	<877	N/A	4/16/2021
MV350	OLYMPIC N ROOM 208 WEST CEILING RETURN PLENUM ON LAY-IN CEILING TILE	<957	N/A	4/16/2021
MV351	OLYMPIC N ROOM 203 SOUTHWEST CARPET	<877	N/A	4/16/2021
MV352	OLYMPIC N ROOM 203 NORTHEAST TEACHER DESK	<877	N/A	4/16/2021
MV353	OLYMPIC N ROOM 203 SOUTH CEILING SUPPLY GRILL	<877	N/A	4/16/2021
MV354	OLYMPIC N ROOM 203 SOUTH CENTRAL RETURN GRILL	<877	N/A	4/16/2021
MV355	OLYMPIC N LV2 HALL E CEILING RETURN GRILL	<877	N/A	4/16/2021
MV356	OLYMPIC N LV2 HALL EAST END NEAR SKY BRIDGE	<877	N/A	4/16/2021
MV357	OLYMPIC N LV2 HALL ON LAY-IN-CEILING-TILE PAPER NEAR EAST STAIRS	<877	N/A	4/16/2021
MV358	OLYMPIC N LV2 HALL CARPET NEAR 206	<877	N/A	4/16/2021
MV359	OLYMPIC N LV2 HALL CARPET NEAR 203	<877	N/A	4/16/2021
MV360	OLYMPIC N LV2 HALL CARPET NEAR NORTH EXIT	<877	N/A	4/16/2021
MV361	OLYMPIC N LV2 HALL WEST END DISPLAY CASE,	<877	N/A	4/16/2021
MV362	OLYMPIC N ROOM 301 NORTH CARPET	<957	N/A	4/16/2021
MV363	OLYMPIC N ROOM 301 SOUTHWEST CABINET TOP	<877	N/A	4/16/2021
MV364	OLYMPIC N ROOM 301 EAST CEILING SUPPLY GRILL	<877	N/A	4/16/2021
MV365	OLYMPIC N ROOM 301 EAST CEILING RETURN GRILL, EAST OF SUPPLY	<877	N/A	4/16/2021
MV366	OLYMPIC N ROOM 307 SOUTHEAST CARPET	<957	N/A	4/16/2021
MV367	OLYMPIC N ROOM 307 NORTHWEST WOOD SHELF	<877	N/A	4/16/2021
MV368	OLYMPIC N ROOM 307 EAST CEILING SUPPLY GRILL	<877	N/A	4/16/2021
MV369	OLYMPIC N ROOM 307 WEST RETURN PLENUM ON LAY-IN-CEILING-TILE	<877	N/A	4/16/2021
MV370	OLYMPIC N ROOM 308 SOUTHWEST CARPET	<957	N/A	4/16/2021
MV371	OLYMPIC N ROOM 308 SOUTHEAST CABINET TOP	957	1 TREMOLITE	4/16/2021
MV372	OLYMPIC N ROOM 308 WEST CEILING SUPPLY GRILL	<877	N/A	4/16/2021
MV373	OLYMPIC N ROOM 308 SOUTH CEILING RETURN GRILL	<957	N/A	4/16/2021
MV374	OLYMPIC N LV3 HALL CARPET NEAR 301	<877	N/A	4/16/2021
MV375	OLYMPIC N LV3 HALL CARPET NEAR 303	<957	N/A	4/16/2021
MV376	OLYMPIC N LV3 HALL TOP OF HALL DISPLAY NEAR 310A	<877	N/A	4/16/2021
MV377	OLYMPIC N LV3 HALL CARPET NEAR 305	<957	N/A	4/16/2021
MV378	OLYMPIC N LV3 HALL TOP OF LAY-IN-CEILING-TILE NEAR 309	<877	N/A	4/16/2021
MV379	OLYMPIC N LV3 HALL CARPET NEAR 308	<877	N/A	4/16/2021
MV380	OLYMPIC N LV3 HALL EAST END CEILING RETURN GRILL	<877	N/A	4/16/2021



REVISED 6/23/2021

PROJECT

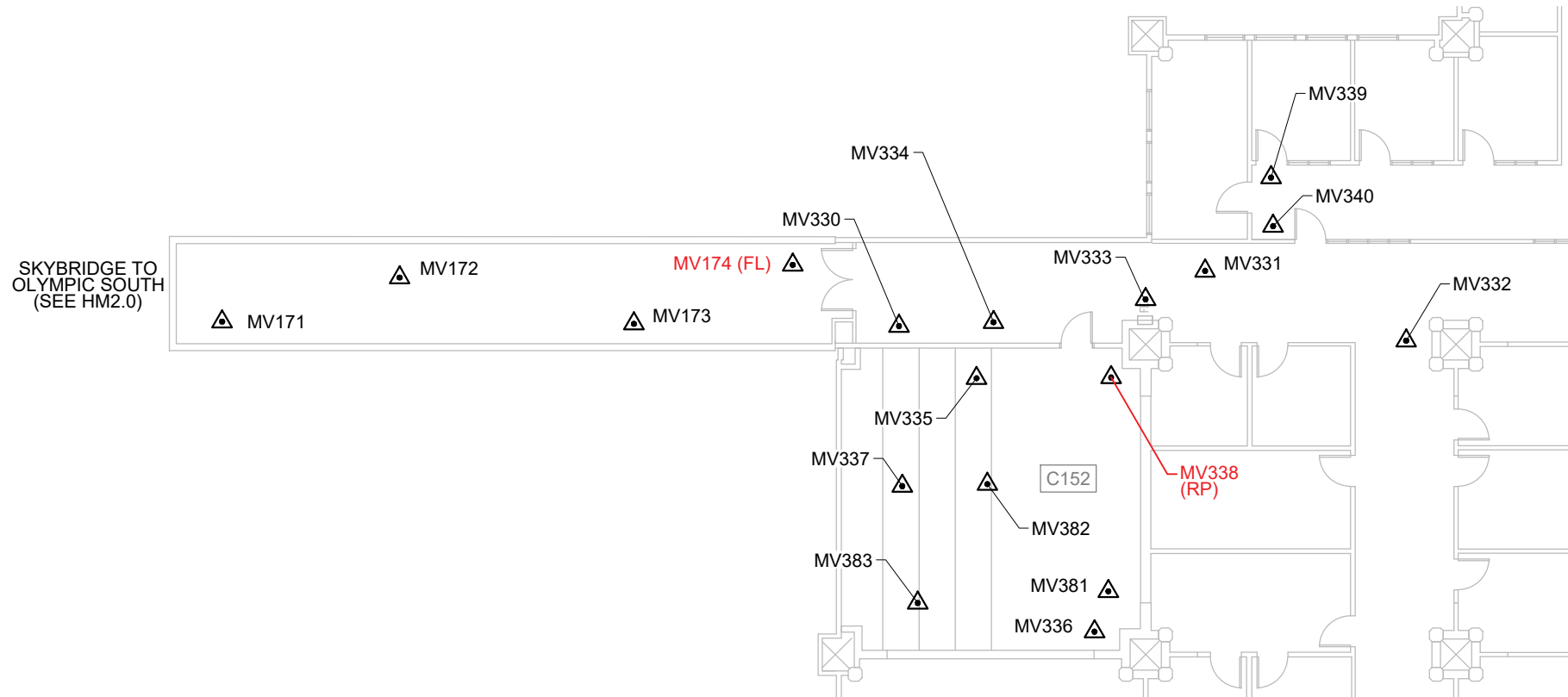
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DATE

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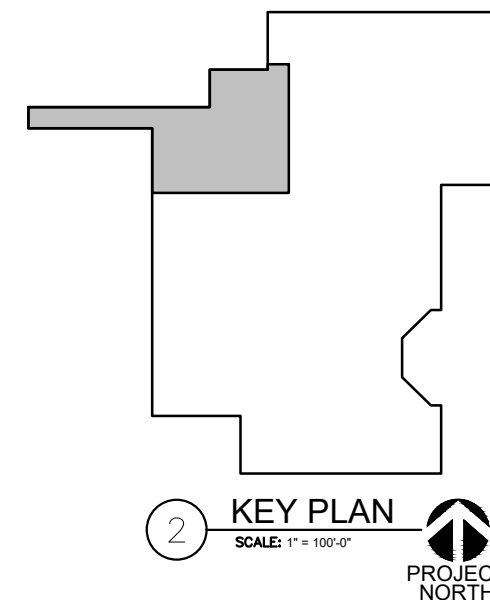
SHEET ID

SVY4.0A



1 **CASCADE BUILDING NORTH - DUST SAMPLE LOCATIONS**  
SCALE: 1" = 30'-0"  
PROJECT NORTH

CASCADE BUILDING NORTH - DUST SAMPLE INVENTORY				
SAMPLE ID	LOCATION	LAB RESULT (S/CM <sup>2</sup> )	ANALYTE	DATE COLLECTED
MV171	LEVEL 2 EAST SKY BRIDGE WEST END SOUTH SIDE	<877	N/A	4/7/2021
MV172	LEVEL 2 EAST SKY BRIDGE WEST AREA NORTH SIDE	<877	N/A	4/7/2021
MV173	LEVEL 2 EAST SKY BRIDGE EAST AREA SOUTH SIDE	<877	N/A	4/7/2021
<b>MV174</b>	<b>LEVEL 2 EAST SKY BRIDGE EAST END NORTH SIDE</b>	<b>8,418</b>	<b>8 CHRYSOTILE</b>	<b>4/7/2021</b>
MV330	CASCADE LEVEL 5 HALL FROM SKYBRIDGE SOUTHWEST CARPET	<877	N/A	4/13/2021
MV331	CASCADE LEVEL 5 HALL FROM SKYBRIDGE NORTH CARPET NEAR C509	<877	N/A	4/13/2021
MV332	CASCADE LEVEL 5 HALL FROM SKYBRIDGE SOUTHEAST CARPET AT HALL INTERSECTION	<877	N/A	4/13/2021
MV333	CASCADE LEVEL 5 HALLWAY FROM SKYBRIDGE SOUTH FIRE EXTINGUISHER CABINET	<877	N/A	4/13/2021
MV334	CASCADE LEVEL 5 HALLWAY FROM SKYBRIDGE WALL SUPPLY GRILL NEAR C512	<957	N/A	4/13/2021
MV335	CASCADE ROOM C512 NORTH CARPET	877	1 CHRYSOTILE	4/13/2021
MV336	CASCADE ROOM C512 SOUTH WHITEBOARD TOP	<877	N/A	4/13/2021
MV337	CASCADE ROOM C512 NORTHWEST CEILING SUPPLY GRILL	<877	N/A	4/13/2021
<b>MV338</b>	<b>CASCADE ROOM C512 NORTHEAST RETURN PLENUM ON FIBER GLASS LAY-IN CEILING TILE</b>	<b>8,418</b>	<b>4 TREMOLITE</b>	<b>4/13/2021</b>
MV339	CASCADE C509 NORTHWEST CARPET	<877	N/A	4/13/2021
MV340	CASCADE C509 TOP OF SOUTHWEST WOOD/GLASS CABINET	<877	N/A	4/13/2021
MV381	CASCADE ROOM C512 RETURN PLENUM ON LAY-IN-CEILING-TILE SOUTHEAST CORNER	<877	N/A	5/3/2021
MV382	CASCADE ROOM C512 RETURN PLENUM ON LAY-IN-CEILING-TILE ALONG NORTH WALL	<957	N/A	5/3/2021
MV383	CASCADE ROOM C512 RETURN PLENUM ON LAY-IN-CEILING-TILE SOUTHWEST CORNER	<877	N/A	5/3/2021



2 **KEY PLAN**  
SCALE: 1" = 100'-0"  
PROJECT NORTH



Appendix A has 783 pages of test results that have been omitted from this copy of the report. The entire report with appendices may be downloaded here -

[https://sbctcedu-my.sharepoint.com/:f/g/personal/wdoty\\_sbctc\\_edu/Ei4vSe3SOR9DvOpdQNu\\_EQIB110ndZ3ToH93O0XpdO\\_6w?e=wOupds](https://sbctcedu-my.sharepoint.com/:f/g/personal/wdoty_sbctc_edu/Ei4vSe3SOR9DvOpdQNu_EQIB110ndZ3ToH93O0XpdO_6w?e=wOupds)

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## **APPENDIX A**

### **Microvacuum Sampling Information**

Microvacuum Sample Inventory

Microvacuum Sample Laboratory Data Sheets

Microvacuum Sample Chain of Custody Documentation



# OLYMPIC SOUTH BUILDING

## Reconstruction Options

2 NOVEMBER 2021



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## RECONSTRUCTION OPTIONS

OPTION 1 - RESTORE EXSISTING BUILDING

OPTION 2 - DEMOLISH BUILDING

OPTION 3 - DEMOLISH BUILDING AND REPLACE IN KIND

# PIERCE COLLEGE – OLYMPIC SOUTH BUILDING RECONSTRUCTION OPTIONS

The Olympic South Building has been impacted by asbestos dust to varying degrees on all three floors. As a result of the discovery of asbestos in the facility, an emergency construction contract was executed to perform selective demo and abatement of all impacted finishes and equipment. Demo and abatement generally include all interior nonstructural interior walls, finishes and mechanical and electrical systems. After the demo and abatement phase is complete, the building will be clean and free of hazardous materials but will not be usable due to the extensive demo and abatement work. This phase of work is currently scheduled for completion in March 2022.

The goal of this report is to evaluate options for reconstructing the facility. Together with the Pierce College facilities team, three options were identified as possible next steps. The following is a summary of each option along with a preliminary cost estimate for the work. The costs presented in this report should be viewed as very preliminary due to the ongoing discovery work taking place as part of the demo and abatement phase. The cost however does provide a good comparative baseline for evaluating the reconstruction options. See attached cost estimates and mechanical and electrical summaries for further information.

	Option 1 Restore Existing Building	Option 2 Demolish Building	Option 3 Demolish and Replace in Kind
<b>Estimated Total Cost</b>	<b>\$17,511,000</b>	<b>\$9,500,000</b>	<b>\$30,433,893</b>
<b>Summary</b>	Preferred option, fastest to restore all program space	Lowest cost but loss of all program space	Highest cost and longest duration

## Option 1 – Restore Existing Building

The approach for this option is to restore the existing building with minor modifications while providing necessary building code updates.

### Pros

- Shortest project duration to regain all program space
- Design work can start immediately, minimal down time between demo and reconstruction phase
- No loss of program space
- Lowest cost per square foot for full reconstruction

### Cons

- Restores spaces that may not meet current program requirements
- Reconstruction may not address future needs and priorities of College

Demo and abatement cost: \$7,500,000 (already under contract)

Estimate MACC Cost: \$7,346,000

Design, Permits and other fees: \$2,665,000

Estimated total project cost: \$17,511,000

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## Option 2 – Demolish Building

The approach for this option is to demolish the building, grade site area and provide minimal landscaping or lawn. This option requires construction of an egress stair for Cascade where the skybridge is removed along with infilling openings in the exterior wall of Olympic North due to removal of the skybridge.

### Pros

- Shortest duration of all options
- Least cost
- Provides a future building location in the core of campus

### Cons

- Loss of program space, need to find new permanent space for CWU, Music, Art and Early Childhood Education
- Negative impact on the core campus environment
- Construction of a future building could be several years out and have increase costs
- Loss of maintenance and operation funds due to reduction of square footage on campus

Demo and abatement cost:	\$7,500,000 (already under contract)
Estimate MACC Cost:	\$1,600,000 (building demo, site restoration and stairs)
Design, Permits and other fees:	\$400,000
Estimated total project cost:	\$9,500,000

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### Option 3 – Demolish Building and Replace in Kind

The approach for this option is to demolish the building and build a new facility. The new building is assumed to be the same size and generally the same configuration to minimize required site work. Skybridge connections between Cascade and Olympic North would be maintained or reconstructed; however, temporary controls and stairs would be required during construction phase.

**Pros**

- Provide a modern facility that improves the campus environment
- No loss of program space, addresses future program needs and opportunity to change mix of programs

**Cons**

- Longest design and construction duration
- Depending on funding source, may need to start with a PRR to secure funds
- If requesting state funding, existing facility may sit vacant and require some maintenance and operation funds
- Highest cost

Demo and abatement cost: \$7,500,000

Design, Demo and Construction for new building: \$22,933,893

Estimated Total Project Cost: \$30,433,893

Costs for this option were developed using the Expected Cost Calculation worksheet that is part of the PRR scoring criteria.

**Expected Cost Calculations**

Construction Mid-point:	2/6/2026	Start (Bid)	7/1/2025	End (SC)	9/15/2026	from Summary tab of C-100
Expected Cost Multiplier:	1.156	from Appendix B				
Project GSF:	38,935	S1 + S2 from Project Parameters				
Student Engagement budget:		Base Amount from Pre-schematic Design Services portion of Consultant tab in C-100				
Pre-schematic Escalation Factor:		from Pre-schematic Design Services portion of Consultant tab in C-100				
Contingency Rate:	10.00%	from Summary tab in C-100				

Facility Type (use codes)	Expected Cost / GSF in 2021\$	Expected Cost / GSF	GSF by Type	Expected Cost	Point Thresholds	My Project
Classroom (100s)	\$502	\$580	25,000	\$ 14,511,448		
Teaching Lab (200s except 250)	\$537	\$620	8,935	\$ 5,543,550		
Administration (300s)	\$498	\$576	5,000	\$ 2,878,895		
Library (400s)	\$483	\$559		\$ -		
Day Care (640)	\$405	\$468	-	\$ -		
Assembly (600s except 640)	\$641	\$741	-	\$ -		
Support (700s)	\$507	\$586	-	\$ -		
add escalated Student Engagement budget and associated contingency >				\$ -		
				<b>38,935</b>	<b>\$ 22,933,893</b>	<b>100%</b>
				-	\$ 25,456,621	111%
					\$ 31,419,433	137%
						<137%

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**STATE OF WASHINGTON**  
**AGENCY / INSTITUTION PROJECT COST SUMMARY**

*Updated June 2021*

Agency	Pierce College Fort Steilacoom	
Project Name	Olympic South Abatement and Repairs	
OFM Project Number		

**Contact Information**

Name	Gus Lim	
Phone Number	253-964-6729	
Email	<a href="mailto:rlim@pierce.ctc.edu">rlim@pierce.ctc.edu</a>	

**Statistics**

Gross Square Feet	38,800	MACC per Square Foot	\$295
Usable Square Feet	24,761	Escalated MACC per Square Foot	\$304
Space Efficiency	63.8%	A/E Fee Class	B
Construction Type	College classroom facilit	A/E Fee Percentage	10.83%
Remodel	Yes	Projected Life of Asset (Years)	50

**Additional Project Details**

Alternative Public Works Project		Art Requirement Applies	Yes
Inflation Rate	3.28%	Higher Ed Institution	Yes
<a href="#">Sales Tax Rate %</a>	10.00%	Location Used for Tax Rate	Pierce
Contingency Rate	5%		
Base Month	November-21	OFM UFI# (from FPMT, if available)	A03250
Project Administered By	DES		

**Schedule**

Predesign Start	July-21	Predesign End	December-21
Design Start	January-22	Design End	July-22
Construction Start	July-22	Construction End	June-23
Construction Duration	11 Months		

Green cells must be filled in by user

**Project Cost Estimate**

Total Project	<b>\$17,039,483</b>	Total Project Escalated	<b>\$17,511,279</b>
		Rounded Escalated Total	<b>\$17,511,000</b>

**STATE OF WASHINGTON**  
**AGENCY / INSTITUTION PROJECT COST SUMMARY**

*Updated June 2021*

Agency	Pierce College Fort Steilacoom	
Project Name	Olympic South Abatement and Repairs	
OFM Project Number		

**Cost Estimate Summary**

Acquisition			
<b>Acquisition Subtotal</b>	<b>\$0</b>	<b>Acquisition Subtotal Escalated</b>	<b>\$0</b>

Consultant Services			
Predesign Services	\$1,568,274		
A/E Basic Design Services	\$899,229		
Extra Services	\$80,000		
Other Services	\$444,002		
Design Services Contingency	\$149,575		
<b>Consultant Services Subtotal</b>	<b>\$3,141,081</b>	<b>Consultant Services Subtotal Escalated</b>	<b>\$3,184,674</b>

Construction			
Construction Contingencies	\$573,025	Construction Contingencies Escalated	\$594,170
Maximum Allowable Construction Cost (MACC)	\$11,460,503	Maximum Allowable Construction Cost (MACC) Escalated	\$11,811,785
Sales Tax	\$1,203,353	Sales Tax Escalated	\$1,240,596
<b>Construction Subtotal</b>	<b>\$13,236,881</b>	<b>Construction Subtotal Escalated</b>	<b>\$13,646,551</b>

Equipment			
Equipment	\$300,000		
Sales Tax	\$30,000		
Non-Taxable Items	\$0		
<b>Equipment Subtotal</b>	<b>\$330,000</b>	<b>Equipment Subtotal Escalated</b>	<b>\$342,177</b>

Artwork			
<b>Artwork Subtotal</b>	<b>\$87,121</b>	<b>Artwork Subtotal Escalated</b>	<b>\$87,121</b>

Agency Project Administration			
Agency Project Administration Subtotal	\$0		
DES Additional Services Subtotal	\$0		
Other Project Admin Costs	\$0		
<b>Project Administration Subtotal</b>	<b>\$70,346</b>	<b>Project Administration Subtotal Escalated</b>	<b>\$72,942</b>

Other Costs			
<b>Other Costs Subtotal</b>	<b>\$174,054</b>	<b>Other Costs Subtotal Escalated</b>	<b>\$177,814</b>

Project Cost Estimate			
Total Project	<b>\$17,039,483</b>	Total Project Escalated	<b>\$17,511,279</b>
		Rounded Escalated Total	<b>\$17,511,000</b>

Current 2022 supplemental capital budget request:

Priority	College	Number	Description	Funding Phase	Amount	Cumulative
1	Statewide	40000431	Minor Works - Infrastructure	Design & Construct	\$ 27,083,000	\$ 27,083,000
2	Highline	40000105	Welcome Center for Student Success	Design	\$ 3,235,000	\$ 30,318,000
3	Lake Washington	40000102	Center for Design	Construction	\$ 33,715,000	\$ 64,033,000
4	Bates	40000130	Fire Service Training Center	Construction	\$ 32,563,000	\$ 96,596,000
5	South Seattle	40000231	Rainier Hall Renovation	Design	\$ 3,645,000	\$ 100,241,000
6	Olympic	40000103	Innovation & Technology Learning Center	Construction	\$ 23,420,000	\$ 123,661,000
7	Everett	40000190	Baker Hall Replacement	Design & Construct	\$ 32,229,000	\$ 155,890,000
8	Columbia Basin	40000108	Performing Arts Building Replacement	Design & Construct	\$ 38,646,000	\$ 194,536,000
9	Whatcom	40000137	Technology and Engineering Center	Design & Construct	\$ 32,980,000	\$ 227,516,000
10	Bellingham	40000256	Engineering Technology Center - Bldg J Replacement	Design & Construct	\$ 14,534,000	\$ 242,050,000
11	Clark	40000227	Hanna Foster Hawkins Complex Replacement	Design & Construct	\$ 25,551,000	\$ 267,601,000
12	Peninsula	40000111	Advanced Technology Center	Design & Construct	\$ 19,690,000	\$ 287,291,000
13	Seattle Central	40000294	Broadway Achievement Center	Design	\$ 3,060,000	\$ 290,351,000
14	Yakima	40000506	Prior-Kendall Hall Replacement	Design	\$ 2,025,000	\$ 292,376,000

Proposed 2022 supplemental capital budget request:

Priority	College	Number	Description	Funding Phase	Amount	Cumulative
1	Pierce Fort Steilacoom	TBD	Olympic South Building asbestos emergency	Design & Construct	\$ 13,159,000	\$ 13,159,000
2	Statewide	40000431	Minor Works - Infrastructure	Design & Construct	\$ 27,083,000	\$ 40,242,000
3	Highline	40000105	Welcome Center for Student Success	Design	\$ 3,235,000	\$ 43,477,000
4	Lake Washington	40000102	Center for Design	Construction	\$ 33,715,000	\$ 77,192,000
5	Bates	40000130	Fire Service Training Center	Construction	\$ 32,563,000	\$ 109,755,000
6	South Seattle	40000231	Rainier Hall Renovation	Design	\$ 3,645,000	\$ 113,400,000
7	Olympic	40000103	Innovation & Technology Learning Center	Construction	\$ 23,420,000	\$ 136,820,000
8	Everett	40000190	Baker Hall Replacement	Design & Construct	\$ 32,229,000	\$ 169,049,000
9	Columbia Basin	40000108	Performing Arts Building Replacement	Design & Construct	\$ 38,646,000	\$ 207,695,000
10	Whatcom	40000137	Technology and Engineering Center	Design & Construct	\$ 32,980,000	\$ 240,675,000
11	Bellingham	40000256	Engineering Technology Center - Bldg J Replacement	Design & Construct	\$ 14,534,000	\$ 255,209,000
12	Clark	40000227	Hanna Foster Hawkins Complex Replacement	Design & Construct	\$ 25,551,000	\$ 280,760,000
13	Peninsula	40000111	Advanced Technology Center	Design & Construct	\$ 19,690,000	\$ 300,450,000
14	Seattle Central	40000294	Broadway Achievement Center	Design	\$ 3,060,000	\$ 303,510,000
15	Yakima	40000506	Prior-Kendall Hall Replacement	Design	\$ 2,025,000	\$ 305,535,000

## REGULAR ITEM

December 1, 2021

Tab 7

### Community and Technical College Student Civic Engagement Update

#### Brief Description

The Legislative Committee leaders for the Council for Unions and Student Programs and the Washington Community and Technical College Student Association student leaders will update the Board about student civic engagement. This update will include the students' four priority areas for the upcoming Legislative 2022 cycle and will provide background on how student leaders will be gathering student voice for the community and technical college sector.

#### How does this item link to the State Board's Strategic Plan?

This presentation connects to the Board's strategic direction outlined in the plan, specifically Strategy 1 "Implement actions, policies, and investments that produce equitable outcomes" and Strategy 4, "Strengthen Advocacy and Community Partnerships." The four priority areas for the students this year are Mental Health, Tuition and Fee Costs, Textbook Costs, and Food Insecurity.

#### Background information and analysis

The Council for Unions and Student Programs Legislative Committee has established weekly meetings with student leaders across the sector to develop the priority areas, engage in platform development, as well as discuss potential strategies for the upcoming session. The partnership between the staff and students is a different approach to developing and implementing the student legislative platform. Student voice is a powerful tool, and the State Board staff in partnership with the Council for Unions and Student Programs Legislative Committee is committed to elevating student voice and perspective in this upcoming legislative cycle.

#### Potential questions

- How best can student legislative priorities and the Board's priorities be coordinated in the 2022 Legislative Session?

## Recommendation/preferred result

- Support from the State Board members and State Board executive staff addressing the work students are doing while the pandemic is continuing to impact the ways students learn, engage, and move through their educations on our campuses.
- Better alignment and coordination of legislative priorities.

Policy Manual Change Yes  No

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# Washington Community & Technical College Student Association

## 2022 Legislative Session Agenda



The following issues were developed by community and technical college students over the course of several months through a collaborative process. This agenda represents the issues that students have identified as their highest priorities for advocacy during the upcoming legislative session.

## Legislative Issues

### Expanded Mental Health Resources

The state legislature and the CTC system should provide the following to address the insufficiency of mental health resources on campuses statewide:

1. Increase the availability of mental health counseling sessions provided on campus to address the amount of stress and anxiety/depression that the students are facing in returning to the classroom.<sup>1</sup>
2. Allocate resources and funding to provide a safe, consistent, equitable response to the mental health crisis. Providing mental health resources/support that are culturally diverse, trauma-informed and accessible.
3. Provide resources and funding to provide mental health & crisis training to college faculty/staff. Getting teachers and paraeducators involved "reduces the time for us to wait for a mental health professional to go in," said Jill Locke, co-director of UW's SMART Center.<sup>2</sup>

### Campus Food Insecurity

Approximately 41% of Community & Technical College students struggle with food insecurity and would greatly benefit from access to resources like food pantries and affordable, healthy meal options.<sup>3</sup> We support incentives for colleges to adopt food pantries and guidelines or standards for their operation. We also need further support of ongoing successful initiatives of existing food pantries and initiatives to expand these resources to all campuses. Finally, we request EBT card use on campus.

### Textbook Affordability and Open Education Resource (OER) Accessibility

The high price of textbooks and course materials places an inordinate strain on students' ability to afford school and is an obstacle to student success. The legislature should establish greater incentives and funding for educators and professors to facilitate OER development; an effective and proven process. CTC students are continually concerned about prohibitive costs of educational resources for most courses offered in the CTC system. CTC students want equitable access to affordable content to support their education; when not available, students seek other alternatives or do not purchase books. We appreciate former legislative action to support the development of OERs but more is needed.

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<sup>1</sup> [What We Know About Student Mental Health and the Pandemic](#), Edweek

<sup>2</sup> [Washington students are facing a mental health crisis](#), *The Seattle Times*

<sup>3</sup> [Washington State Community and Technical Colleges #RealCollege Survey](#), The Hope Center, 2020



## REGULAR ITEM (RESOLUTION 21-12-58)

December 1, 2021

Tab 8

### Legislative update

#### Brief Description

The board will be asked to consider the 2022 legislative agenda and priorities.

#### How does this item link to the State Board's Strategic Plan?

Identifying possible changes to state law that result in improved service delivery to students supports four system goals:

- **Enrollment, Completion and Equity:** When legislative goals are met, community and technical colleges have the resources to maintain open doors and promote student success to completion.
- **Advocacy:** To accomplish the college system legislative goals, State Board members, staff, and system leaders are engaged with the legislature and policy makers to support colleges in promoting student success.

#### Background information and analysis

The primary focus entering the 2022 legislative session is a sustainable operating budget for the college system, the capital budget request, and legislation supporting Basic Education for Adults.

As COVID-19 continues to be part of our lives and widen economic and racial divides, our community and technical colleges are uniquely positioned to build a healthy and inclusive economy—to pull people and businesses through this crisis stronger than they were before. We train students of all ages and backgrounds for real-time job opportunities and upskill workers for businesses as they rebound from the recession. Our 2022 supplemental operating budget request will help students experiencing homelessness and help other students navigate available financial aid.

Investing in capital projects at community and technical colleges will stimulate local economies across Washington. The projects will create healthy and safe facilities where people of ages and backgrounds can learn skills for a changing job market. The 2022 supplemental capital requests asks the legislature to fund the remainder of the capital project list from the 2021 biennial request.

For the sixth year the State Board office will have two legislative interns. Working with student services staff on college campuses, outreach is underway to recruit community and technical college students interested in this unique opportunity. Students will contribute to college system legislative efforts by tracking legislation, testifying on bills, and informing fellow students across the state throughout the legislative session.

The 60-day legislative session will begin on Monday, January 10.

## Policy Issues

### State Board request legislation: Attachment A

In 2016 and 2017 the community and technical college system requested legislation to require the Caseload Forecast Council to forecast the number of state residents, ages 25 to 44, who do not have a high school diploma or credential, and the number of students expected to enroll in basic education for adult courses at community and technical colleges. The bills had initial hearings but did not move through the fiscal committees in either legislative chamber.

The pandemic has exposed a need now, more than ever, to serve those Washingtonians who lack basic skills. Current estimates show over 600,000 adults in our state lack a high school diploma or equivalent. Our request to the legislature for 2022 is to reconsider this legislation and include adults 18-44 in the caseload forecast.

### Operating budget priorities: Attachment B

- Five Decision Packages submitted to OFM
  - Cybersecurity education
  - Financial aid outreach
  - Expand services for homeless students
  - Integrate climate solutions into curriculum and practice
  - Refugee education

### Capital Budget: Attachment C

- \$292,376,000 supplemental capital request
  - Newly added emergency asbestos abatement at Pierce College

### Other issues anticipated in the 2022 session:

- Apprenticeship reform
  - State Board staff has been engaged with legislators and other stakeholders to discuss current practices in providing apprenticeship pathways for Washington's workforce needs
- Dual Credit
  - State Board staff has been engaged with legislators and other stakeholders to discuss improving access to College in the High school and Running Start
- Support for homeless students
  - A bill will be required to expand the system request to expand services for students experiencing homelessness

## Potential questions

- Does the State Board have feedback or questions about legislative issues and progress towards meeting college system wide legislative goals?

## Recommendation/preferred result

Staff recommend approval of the proposed 2022 legislative agenda for the college system.

Policy Manual Change Yes  No

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# STATE OF WASHINGTON

## STATE BOARD FOR COMMUNITY AND TECHNICAL COLLEGES

### RESOLUTION 21-12-58

A resolution relating to the 2022 community and technical college system legislative agenda.

**WHEREAS**, Washington's community and technical colleges serve the majority of higher education students in the state, aligning curricula with employer needs, providing lower-cost transfer opportunities and contributing to economic growth statewide; and

**WHEREAS**, the community and technical college system has identified operating budget, capital budget, and policy priorities for the upcoming 60-day legislative session that support the system's mission of providing students access to a high-quality postsecondary education; and

**WHEREAS**, the 2022 legislative agenda seeks to protect investments made in the previous biennium and asks for investments in support for students, important workforce needs, financial aid guidance for students, and

**WHEREAS**, the 2022 legislative agenda includes prioritized state funding for much needed investment in capital projects to aid in economic recovery; and

**WHEREAS**, the 2022 legislative agenda supports policy legislation to support basic education for adults

**THEREFORE BE IT RESOLVED**, that the State Board for Community and Technical Colleges approve the 2022 legislative agenda.

**BE IT FURTHER RESOLVED**, that the State Board for Community and Technical Colleges authorizes the Executive Director to make adjustments to this action, including any necessary changes to the State Board's Policy Manual, as necessary, for actions taken by the Governor, Legislature, data corrections, externally imposed restrictions or guidelines, uniform accounting and reporting requirements, and unanticipated changes in state or federal law.

**APPROVED AND ADOPTED** on December 1, 2021.

#### Attest

\_\_\_\_\_  
Jan Yoshiwara, secretary

\_\_\_\_\_  
Jay Reich, chair

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**BILL REQUEST - CODE REVISER'S OFFICE**

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BILL REQ. #: Z-0359.2/22 2nd draft

ATTY/TYPIST: CL:lcl

BRIEF DESCRIPTION: Including certain residents who do not have a high school diploma or credential and the number of students expected to enroll in basic education for adults courses at community and technical colleges in caseload forecast council forecasting.

1 AN ACT Relating to including certain residents who do not have a  
2 high school diploma or credential and the number of students expected  
3 to enroll in basic education for adults courses at community and  
4 technical colleges in caseload forecast council forecasting; amending  
5 RCW 43.88C.010 and 43.88C.050; and creating a new section.

6 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF WASHINGTON:

7 NEW SECTION. **Sec. 1.** (1) The legislature finds that:

8 (a) Nearly three-fourths of available jobs in this state require  
9 at least a postsecondary credential and that meeting this workforce  
10 need requires educating older adults who lack basic education skills;

11 (b) A large number of Washington adults, possibly more than  
12 700,000, lack the knowledge and skills needed to compete in today's  
13 economy and meaningfully participate in this state's democracy;

14 (c) It is necessary to educate older adults who lack basic  
15 education skills to meet the state's educational attainment goals  
16 that all adults in the state ages 18 to 44 have a high school diploma  
17 or equivalent by 2023 and at least 70 percent of Washington adults  
18 ages 18 to 44 will have a postsecondary credential by 2023;

19 (d) The community and technical colleges are responsible for  
20 providing basic skills and literacy education to adults and fulfill  
21 this responsibility by teaching reading, writing, mathematics,

1 technology, and English language skills to adults to prepare them to  
2 earn high school diplomas or achieve high school equivalency  
3 certificates; teach employability skills such as critical thinking,  
4 communication, problem solving, and decision making; and offer clear  
5 pathways to college-level education and credentials;

6 (e) The community and technical colleges offer an open door to  
7 every resident, regardless of academic background, experience, or  
8 economic means; and

9 (f) Knowledge of the true and accurate number of adults requiring  
10 basic education will provide the legislature with important  
11 information to potentially increase access to educational pathways  
12 leading to postsecondary credentials, living wage jobs, and  
13 meaningful participation in this state's democracy.

14 (2) The legislature intends to provide a regular dependable  
15 forecast through the caseload forecast council to better understand  
16 the need for basic education for adults in the state.

17 **Sec. 2.** RCW 43.88C.010 and 2021 c 334 s 975 are each amended to  
18 read as follows:

19 (1) The caseload forecast council is hereby created. The council  
20 shall consist of two individuals appointed by the governor and four  
21 individuals, one of whom is appointed by the chairperson of each of  
22 the two largest political caucuses in the senate and house of  
23 representatives. The chair of the council shall be selected from  
24 among the four caucus appointees. The council may select such other  
25 officers as the members deem necessary.

26 (2) The council shall employ a caseload forecast supervisor to  
27 supervise the preparation of all caseload forecasts. As used in this  
28 chapter, "supervisor" means the caseload forecast supervisor.

29 (3) Approval by an affirmative vote of at least five members of  
30 the council is required for any decisions regarding employment of the  
31 supervisor. Employment of the supervisor shall terminate after each  
32 term of three years. At the end of the first year of each three-year  
33 term the council shall consider extension of the supervisor's term by  
34 one year. The council may fix the compensation of the supervisor. The  
35 supervisor shall employ staff sufficient to accomplish the purposes  
36 of this section.

37 (4) The caseload forecast council shall oversee the preparation  
38 of and approve, by an affirmative vote of at least four members, the  
39 official state caseload forecasts prepared under RCW 43.88C.020. If

1 the council is unable to approve a forecast before a date required in  
2 RCW 43.88C.020, the supervisor shall submit the forecast without  
3 approval and the forecast shall have the same effect as if approved  
4 by the council.

5 (5) A councilmember who does not cast an affirmative vote for  
6 approval of the official caseload forecast may request, and the  
7 supervisor shall provide, an alternative forecast based on  
8 assumptions specified by the member.

9 (6) Members of the caseload forecast council shall serve without  
10 additional compensation but shall be reimbursed for travel expenses  
11 in accordance with RCW 44.04.120 while attending sessions of the  
12 council or on official business authorized by the council.  
13 Nonlegislative members of the council shall be reimbursed for travel  
14 expenses in accordance with RCW 43.03.050 and 43.03.060.

15 (7) "Caseload," as used in this chapter, means:

16 (a) The number of persons expected to meet entitlement  
17 requirements and require the services of public assistance programs,  
18 state correctional institutions, state correctional noninstitutional  
19 supervision, state institutions for juvenile offenders, the common  
20 school system, long-term care, medical assistance, foster care, and  
21 adoption support;

22 (b) The number of students who are eligible for the Washington  
23 college bound scholarship program and are expected to attend an  
24 institution of higher education as defined in RCW 28B.92.030;

25 (c) The number of students who are eligible for the Washington  
26 college grant program under RCW 28B.92.200 and 28B.92.205 and are  
27 expected to attend an institution of higher education as defined in  
28 RCW 28B.92.030; and

29 (d) The number of children who are eligible, as defined in RCW  
30 43.216.505, to participate in, and the number of children actually  
31 served by, the early childhood education and assistance program.

32 (8) The caseload forecast council shall forecast the temporary  
33 assistance for needy families and the working connections child care  
34 programs, the number of state residents ages 18 to 44 who do not have  
35 a high school diploma or credential, and the number of students  
36 expected to enroll in basic education for adults courses at community  
37 and technical colleges, as a courtesy.

38 (9) The caseload forecast council shall present the number of  
39 individuals who are assessed as eligible for and have requested a  
40 service through the individual and family services waiver and the



1 basic plus waiver administered by the developmental disabilities  
2 administration as a courtesy. The caseload forecast council shall be  
3 presented with the service request list as defined in RCW 71A.10.020  
4 to aid in development of this information.

5 (10) The caseload forecast council shall forecast youth  
6 participating in the extended foster care program pursuant to RCW  
7 74.13.031 separately from other children who are residing in foster  
8 care and who are under eighteen years of age.

9 (11) The caseload forecast council shall forecast the number of  
10 youth expected to receive behavioral rehabilitation services while  
11 involved in the foster care system and the number of screened in  
12 reports of child abuse or neglect.

13 (12) Unless the context clearly requires otherwise, the  
14 definitions provided in RCW 43.88.020 apply to this chapter.

15 (13) During the 2021-2023 fiscal biennium, and beginning with the  
16 November 2021 forecast, the caseload forecast council shall produce  
17 an unofficial forecast of the long-term caseload for juvenile  
18 rehabilitation as a courtesy.

19 **Sec. 3.** RCW 43.88C.050 and 2018 c 58 s 15 are each amended to  
20 read as follows:

21 The caseload forecast council shall appoint a research staff of  
22 sufficient size and with sufficient resources to accomplish its  
23 duties. The caseload forecast council may request from the  
24 administrative office of the courts, the department of children,  
25 youth, and families, the department of corrections, the health care  
26 authority, the superintendent of public instruction, the Washington  
27 student achievement council, the state board for community and  
28 technical colleges, the education data center, the department of  
29 social and health services, and other agencies with caseloads  
30 forecasted by the council, such data, information, and data  
31 processing assistance as it may need to accomplish its duties, and  
32 such services shall be provided without cost to the caseload forecast  
33 council.

--- END ---



## 2022 SUPPLEMENTAL OPERATING BUDGET REQUEST

SEPTEMBER 29, 2021

Our system's 2022 supplemental budget request takes aim at critical issues facing Washington state today: cybersecurity threats, disparities in access to financial aid, climate change and homelessness. The request also calls for funding to help Afghan refugees learn skills to start their new lives in The Evergreen State. The request leverages the very strengths offered by our state's 34 community and technical colleges. We are nimble, relevant, community-based and serve people of all ages, incomes and backgrounds.

### Improve Washington's Cybersecurity Workforce (\$7.2 million)

Our state faces a daily onslaught of hacking and ransomware attacks and a dangerous shortage of cybersecurity experts. Investments will fund 500 more full-time cybersecurity students and put them to work protecting the privacy and economic health of people, businesses and agencies across Washington. Expanding cybersecurity training at community and technical colleges will also bring much-needed diversity to the cybersecurity workforce.

### Unlock Financial Aid through FAFSA/WASFA (\$6.7 million)

Thousands of Washingtonians who are eligible for financial aid fail to file a FAFSA or WASFA each year, leaving money on the table that could pay for a credential leading to a well-paying career. The very students who could benefit most from financial aid are less likely to apply.<sup>1</sup> With additional investments, our colleges will expand financial aid outreach work in partnership with local community-based organizations, with a focus on people whose lives are most disrupted by COVID-19 – young adults, low-wage workers, people without college credentials and people of color.

### Integrate Climate Science (\$1.5 million)

Climate change is a health issue, an economic issue and an equity issue that affects every community in Washington state. With investments by the Legislature, our colleges will be able to integrate climate change education and training into professional-technical programs that lead to well-paying jobs supporting the green economy. Colleges will also integrate climate change into teaching and student engagement across departments and disciplines.

### Expand Assistance for Homeless Students (\$2.9 million)

Thanks to legislation passed in 2019 and 2021, eight community and technical colleges are participating in a pilot program to begin meeting homeless students' needs for short-term housing or housing assistance, laundry facilities, storage and showers, reduced-price meals, technology, and case-management services. This request expands the pilot project across all 34 colleges.

### Support Refugee Education (\$3 million)

Afghan refugees will need educational services to rebuild their lives within local communities. Investments will allow colleges and community-based organizations to expand existing English language and citizenship programs to transition Afghan refugees while connecting them to state resources.

Source: 1) WSAC Equity Landscape Report: Exploring Equity Gaps in Washington Postsecondary Education, October 2020



## 2022 SUPPLEMENTAL CAPITAL BUDGET REQUEST

NOVEMBER 4, 2021

### Investment in Educational and Economic Recovery

The COVID-19 pandemic disrupted in-person teaching for nearly two years, however, one aspect of college life did not change: the need for modern, safe buildings for students, faculty and staff. Our colleges reopened this fall quarter and more classes are opening to in-person instruction each quarter.

Our students are relieved and excited to be back on campus. When asked how they prefer to learn, a majority of students surveyed in spring 2021 said they prefer all, or mostly, personal instruction.<sup>1</sup> This personal touch is especially important for historically underrepresented students and first-generation students, who often need one-on-one help to overcome barriers.

### Job Training and Job Creation

Our \$293 million supplemental budget request focuses on projects that were not funded in the biennial budget. The request will fund minor projects at all 34 colleges and advance 13 major projects. The buildings being renovated or replaced are 45 to 61 years old and their deterioration has a significant impact on college operations.

Funding these projects now will support job-training for students of all ages and backgrounds in fields such as cybersecurity, radiology, welding, construction, clean energy and auto technology. Meanwhile, the projects will create an estimated 3,000 new jobs in the construction industry and supporting fields throughout Washington state in the next four years.

Investing in capital projects preserves and creates valuable public assets that advance students, communities and our economy.

Priority	College	Funding Phase	Project	Amount	Cumulative
1	Statewide	Design & Build	Minor Works – Infrastructure	\$27,083,000	\$27,083,000
2	Highline	Design	Welcome Center for Student Success	\$3,235,000	\$30,318,000
3	Lake Washington	Build	Center for Design	\$33,715,000	\$64,033,000
4	Bates	Build	Fire Service Training Center	\$32,563,000	\$96,596,000
5	South Seattle	Design	Rainier Hall Renovation	\$3,645,000	\$100,241,000
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9	Whatcom	Design & Build	Technology and Engineering Center	\$32,980,000	\$227,516,000
10	Bellingham	Design & Build	Engineering Technology Center - Bldg. J Replacement	\$14,534,000	\$242,050,000
11	Clark	Design & Build	Hanna Foster Hawkins Complex Replacement	\$25,551,000	\$267,601,000
12	Peninsula	Design & Build	Advanced Technology Center	\$19,690,000	\$287,291,000
13	Seattle Central	Design	Broadway Achievement Center	\$3,060,000	\$290,351,000
14	Yakima	Design	Prior-Kendall Hall Replacement	\$2,025,000	\$292,376,000

Sources: 1) SBCTC public enrollment dashboard 2020-21 school year; 2) spring 2021 survey by Interact Communications

#### CONTACT INFORMATION

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## REGULAR ITEM

December 1, 2021

Tab 9

### Washington Registered Apprenticeship Collaboration

#### Brief Description

As we emerge from the pandemic, significant shifts in the labor market are increasing the demand for workers across a broad array of industry sectors. The number of skilled trade jobs in the United States is far outpacing the supply of qualified workers. Future workforce needs are further impacted by variables such as anticipated industry growth, public investments in infrastructure, emerging technologies, and personnel retirements. In Washington state, registered apprenticeship is a way to help meet this demand.

#### How does this item link to the State Board's Strategic Plan?

In June 2020, the State Board adopted its strategic plan which focuses on three goals: achieve educational equity for students who are historically underrepresented in higher education; improve completion rates; and increase access and retention among populations who can benefit the most from college access. The three goals are supported by five strategies (and associated actions) to help the system achieve those goals. The second and third strategies focus on improving completion rates and enrollment for all students: Implement research-based strategies that are proven to improve completion rates for all students and enroll more diverse students of all ages and backgrounds in our colleges, increasing their access to higher levels of education, higher salaries and greater financial security.

The support of registered apprenticeship is a direct support to Career Launch programs and encourages greater student enrollment through a structure of paid work and learning. It additionally is one of the most responsive models through its foundation requiring partnerships with industry associations and labor organizations to ensure instructional design aligns to the skills required by employers, thus helping to close the skills gap in real-time.

#### Background information and analysis

Registered apprenticeship is a proven model which combines post-secondary related supplemental instruction with a paid full-time job providing increasingly advanced skill attainment under the direction of experienced journey workers. Upon completion, apprentices attain journey level status, and are verified to have fully acquired knowledge and skills of a trade, craft, or occupation. The journey level credential, issued by the apprenticeship sponsor, is recognized equally by employers across the United States and Canada, and demonstrates full competency to perform the work, and be compensated as an experienced employee. The year 2021 celebrates 80 years of registered apprenticeship in Washington state.

The Washington State Apprenticeship and Training Council, housed in the state's department of Labor and Industries, administers the review, approval, monitoring, and regulations of registered apprenticeship. The Washington State Apprenticeship and Training Council approves apprenticeship programs, and establishes apprenticeship program standards, including requirements for apprentice-related and supplemental instruction, coordination of instruction with job experiences, and instructor qualifications (RCW 49.04.010(2)). The Washington State Apprenticeship and Training Council also monitors program compliance for adequate representation of women and diverse populations.

The Washington State Apprenticeship and Training Council, shall consider recommendations from the State Board for Community and Technical Colleges on matters of apprentice-related and supplemental instruction, coordination of instruction with job experiences, and instructor qualifications. The Washington State Apprenticeship and Training Council meets quarterly and consists of three employee representative members, three employer representatives, one public member, and four ex-officio members, one of which is the State Board's Executive Director.

Registered apprenticeship programs range from one to five years (2,000 to 10,000 hours) in length depending on the complexity of the program. All registered programs require an annual minimum of 2,000 hours of on the job training, and 144 hours of related supplemental instruction. Each program is required to meet the full definition of an "apprenticeable occupation" as set forth in Washington Administrative Code [296-05-003](#), requiring practical skill attainment, recognition by industry, progressive skill attainment, meet minimum training hours, support sustained employment, and that the program not be a portion of a previously recognized registered apprenticeship. Apprentices typically begin employment at a training wage, and as they progress through the program they achieve pre-determined wage increases, until reaching nearly 90 percent of a journey person's wage rate.

Apprenticeship programs are sponsored by joint employer and labor groups (often referred to as Joint Apprenticeship and Training Committees), individual employers, or employer associations (apprenticeship committees). Sponsors assume the full responsibility for administration and operation of the apprenticeship program. Sponsors design and execute apprenticeship programs, provide jobs to apprentices, oversee training development, and provide hands-on learning and, often, the technical instruction for apprentices. Many programs operate through the support of a labor organization, and, in Washington state, typically receive support by collaborating with community and technical colleges, sharing instructional funding resources, campus classrooms, lab space, equipment, materials, and faculty. Community and technical colleges are partners in providing classroom instruction to apprenticeship programs. These courses receive a fifty percent tuition and fee waiver, meaning students pay half of the normal tuition charge. Apprenticeship programs are not required to work with colleges, but most do.

### **Community & Technical College Collaboration**

As of July 2021, registered apprenticeship supports nearly 20,000 individuals in Washington who are currently employed in areas of high demand and are committed to furthering their skills to journey level. The community and technical colleges enrolled 14,261 (72 percent of all apprentices) for the same period. (See Appendix A, Graphs #1 and 2).

Currently, 24 community and technical colleges provide related supplemental instruction for registered apprenticeships. In a recent survey, community and technical colleges support 163 training programs, indicating community and technical colleges provide college credit for nearly 80 percent of all supplemental instruction for state registered apprentices.

Apprentices typically are enrolled in 3-5 credits per quarter. Over the last academic year, colleges served 11,884 individuals, equivalent to 3,512 full time enrollments. Related supplemental instruction is delivered several ways, including evenings, within the work schedule, and/or in advance of the work or on-the-job training.

Like they do for all students, colleges strive to maximize apprentices' potential and create a culture of belonging that advances racial, social and economic justice. The result is a highly skilled, journey-level employee, economic growth for the state, and a stronger Washington.

### College system milestones with Registered Apprenticeship

- 1941: Registered Apprenticeship begins in Washington state.
- In 1997, an agreement was reached between the college presidents, the State Board and the apprenticeship training community that there would be established minimum rates for contracting training from the training trusts and paying “rent” when trust facilities are used for the training.
- The 2001 Legislature increased the two-year college system’s biennial appropriation for apprenticeship enrollment by 1,750 FTE for FY 02 and 1,750 FTE for FY 03.
- Substitute House Bill 1061, signed into law May 7, 2003, directed the State Board to convene a work group to examine current laws and rules pertaining to instruction for apprenticeship. The objective was to reduce barriers for apprentices to earn associate degrees, to improve coordination of related and supplemental instruction, and to clarify the standards for ungraded course tuition waivers.
- 2003: SHB 1061 also provided for apprenticeship committees the ability to recommend for consideration to colleges providing related supplement instruction the extent to which apprentices are likely to pursue an associate degree and the extent to which a pathway could reduce redundancy of course requirements between apprenticeship and a degree. Pursuant to [RCW 49.04.150](#), should the apprenticeship committee and the college determine that a degree pathway would be beneficial, the committee may request that pathway be established as provided in RCW 28B.50.890, if the necessary resources are available.
- The 2003 Legislature increased the college system’s biennial appropriation for enrollment. SBCTC dedicated ten percent of this growth to apprenticeship. These funds have been combined with \$320,000 annual low-enrollment/extraordinary growth apprenticeship funds to create a total pool of 450 FTE (\$3,627 per FTE).
- 2004: WAC 131-28-026(4)(b) requires that colleges shall waive one-half of the standard per credit tuition and services and activities fee. Colleges may deduct the tuition owed from training contracts with apprentice organizations.



- 2008-09: Apprenticeship growth funds were designated by the Legislature to increase enrollment in apprenticeship programs. A total of 200 FTES funded at \$5,950 each are available for fiscal year 2008-09.
- 2008 Legislature designated \$3,000,000 for the design, development, training, and related expenses associated with a joint labor/management apprenticeship program, the Aerospace Machinists Joint Training Committee, which includes but is not be limited to training in composite technology.
- As of 2009-11: the State Board makes apprenticeship allocations to colleges permanent via funding formula.
- 2018: Career Connected Learning stakeholders come together to create a strategic plan that builds off of current successful approaches and presents a framework for how to make career connected learning, including apprenticeships, available for all students.
- 2019: The Workforce Education and Investment Act, established the Washington College Grant to help low- and middle-income Washington students pay for higher education. The account also boosts funding to community and technical colleges, public four-year colleges and universities, career connected learning and apprenticeships.
- 2021: The Governor's budget for the 2019-21 biennium included Career Connect Washington funding to grow and scale career connected learning opportunities, in industry sectors beyond the skilled trades, through investments in regional networks and support for students.

### Commitment college to system collaboration

There remains significant demand for skilled trades personnel. The inability to fill these critical positions impacts building projects, economic growth, and infrastructure response. Future workforce needs are further impacted by variables such as anticipated industry growth, emerging technologies, and employee retirements. The state workforce system continues to look to meet the demand for skilled workers by partnering with registered apprenticeship across industries like education, health care, and technology. There is continued growth of regional networks and partnering employers pursuing work-based learning opportunities.

Washington community and technical colleges are well positioned to serve this training model, and help meet the needs of anticipated expansion from growth and infrastructure investments through our certificates, associate degrees (like the Multi-Occupational Trades degree), and pathways to bachelor degrees offered. However, community and technical college partners continue to express concern over program growth or continued sustainability due to the high program expense, administrative requirements, and the 50 percent mandatory waiver of student tuition. Community and technical colleges have not received dedicated registered apprenticeship funding since approximately 2008.

Dedicated funding could help to stabilize existing enrollment, meet future demand, incorporate diversity, equity and inclusion models, support professional development for faculty, modernize programs (hybrid and online training options; simulation technology and curriculum), review and update curriculum, and create improved alignments with programs and student resources. Invested resources will ensure continued support of this successful work-based learning model for industry and the workforce. State Board staff are encouraged by recent legislative interest in proposing

legislation to increase participation, help address the lost revenue through the mandatory tuition waiver, improve college instructional resources, build stronger pathways to a degree, improve access to the Washington College Grant, and develop linkages to new industry sectors.

### Potential questions

- How can colleges assist registered apprentices? Expansion of student services? Alignment of pathways to certificates and degrees?
- How is registered apprenticeship engaging people of color and women to enroll in their programs?
- How might the State Board work with legislators and colleges to address inadequate funding for apprenticeship instruction so that colleges are well-positioned to continue collaborating with registered apprenticeship programs and promoting the best possible outcomes for apprentices?

### Recommendation/preferred result

Engage in discussion with colleges and training trusts who are providing both long-standing and newer registered apprenticeship programs about barriers experienced and how to grow capacity for apprenticeship programs throughout the state.

Policy Manual Change Yes  No

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Appendix A

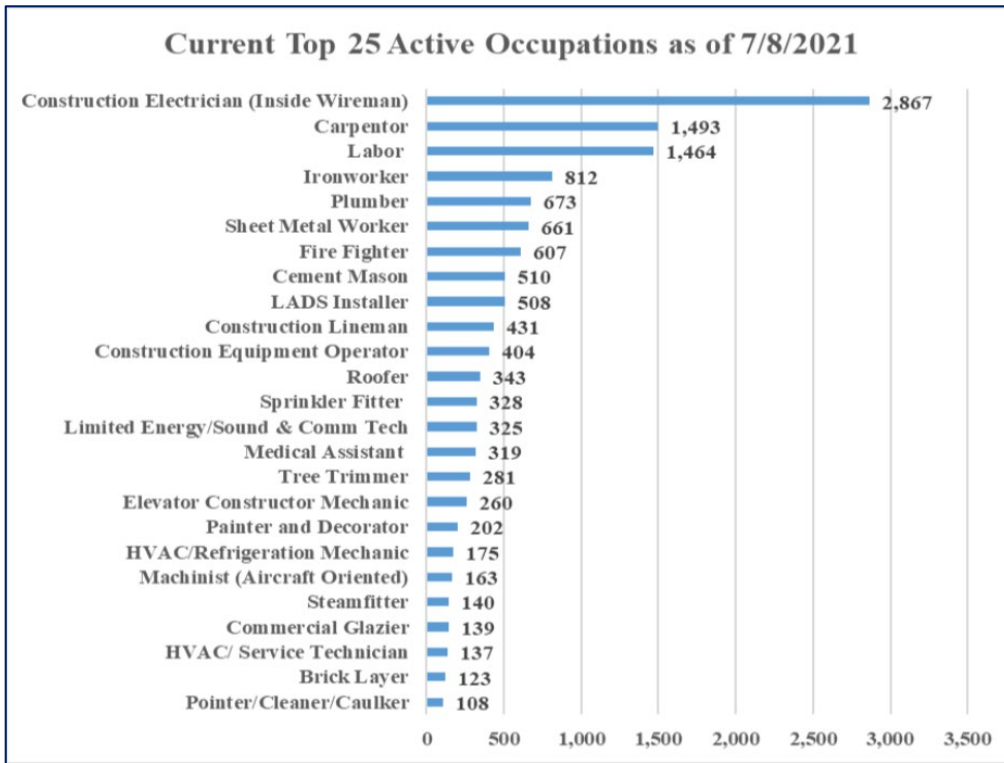


Figure 1: Current top 25 active occupations in Washington State

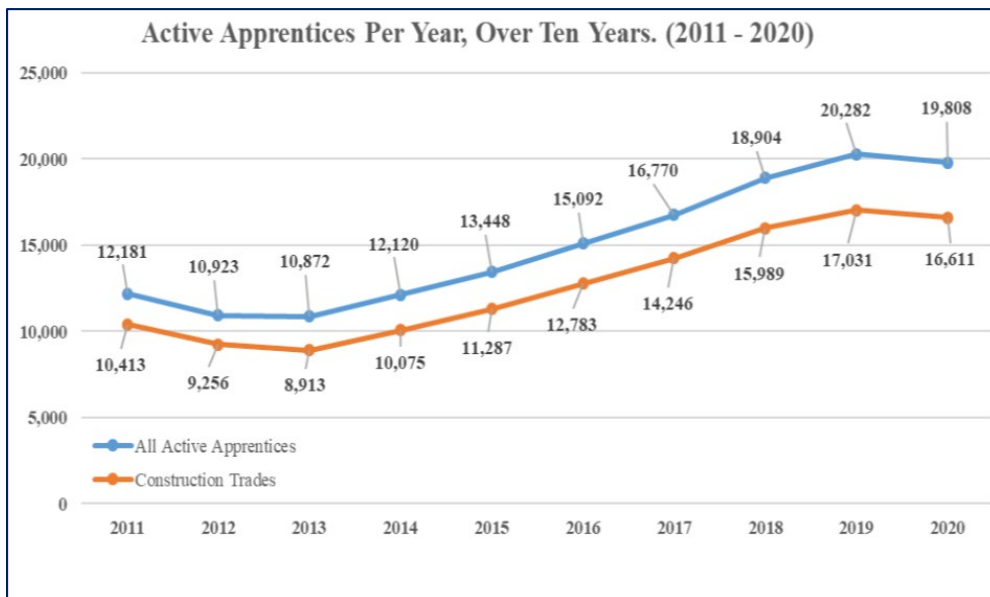


Figure 2: Active apprentices progression (2011 to 2020)



# Registered Apprenticeship

Washington Community and Technical Colleges

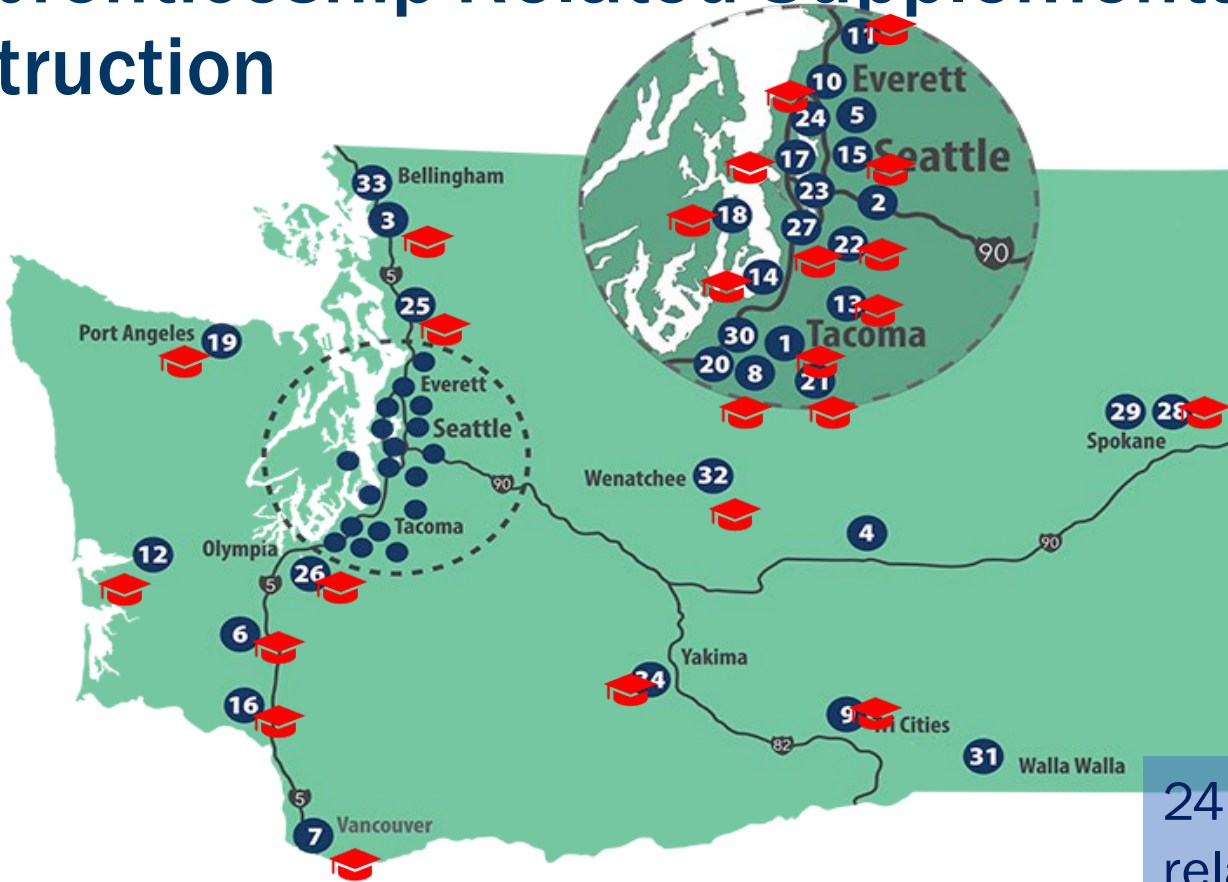
Marie Bruin, Workforce Education

December 1, 2021

# 80 years of registered apprenticeships in Washington State!



# Community & Technical colleges delivering Apprenticeship Related Supplemental Instruction

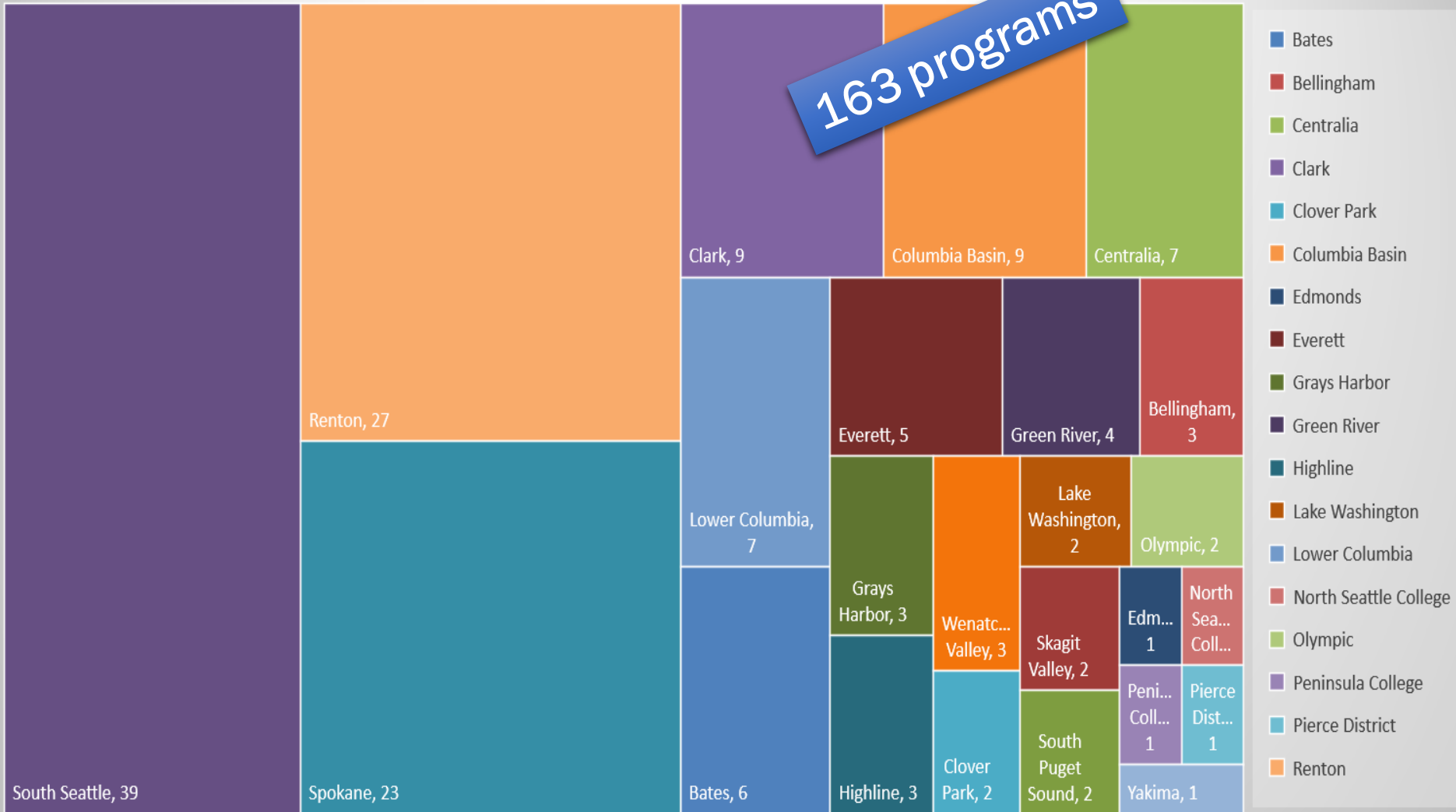


24 colleges deliver related supplemental instruction (RSI)

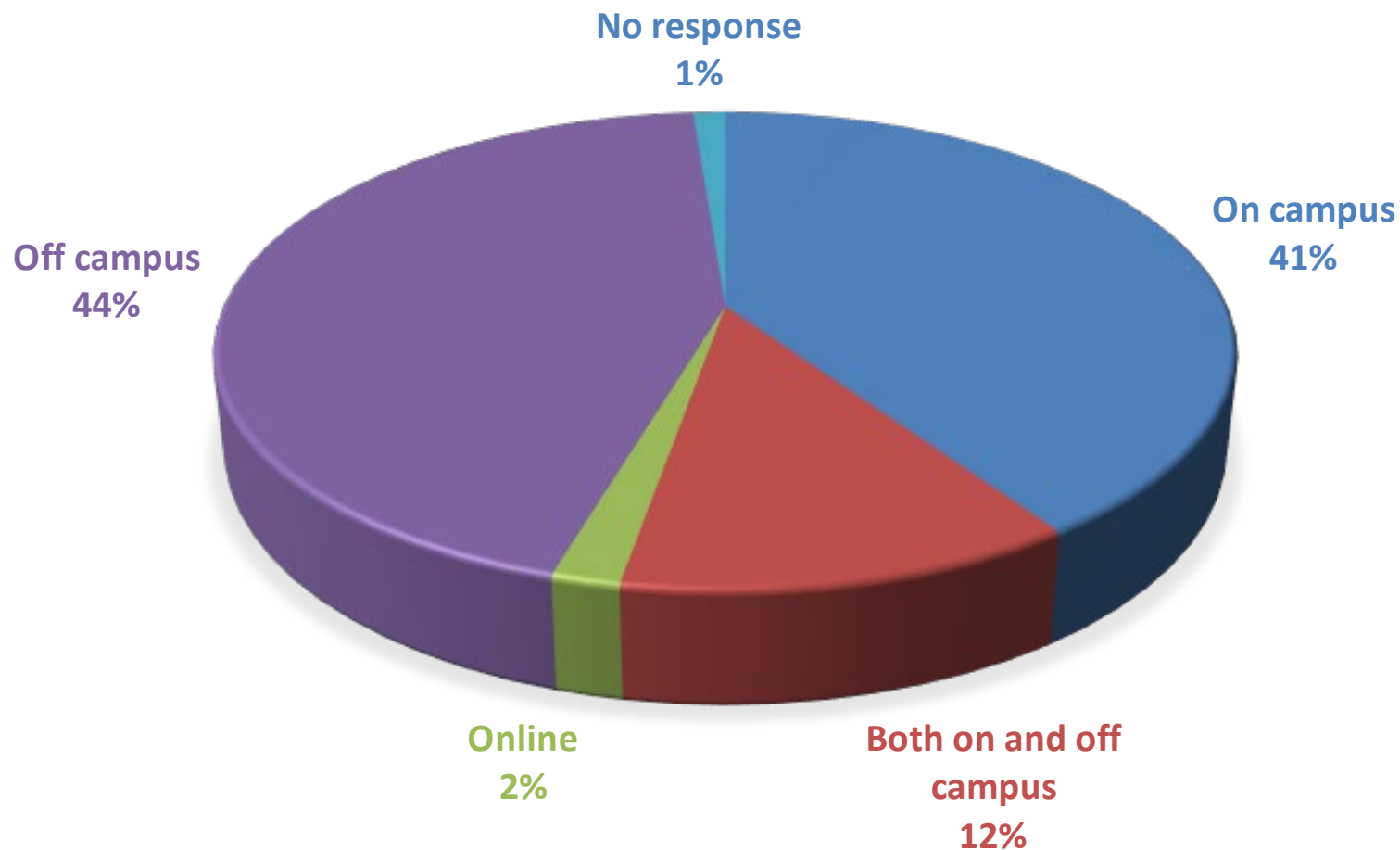


# Apprenticeship Programs by College

Number of Apprenticeship Programs by College

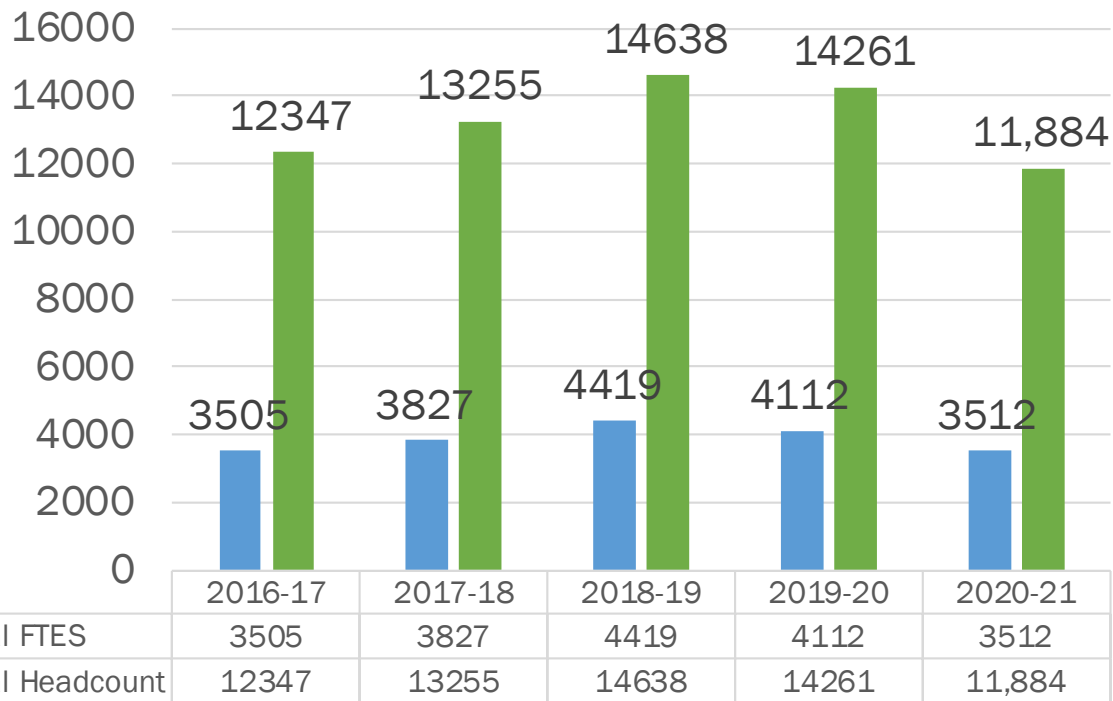


# Where is instruction occurring?



# Apprentice enrollment rate

FTE vs. Student Enrollment



■ Annual FTEs ■ Annual Headcount

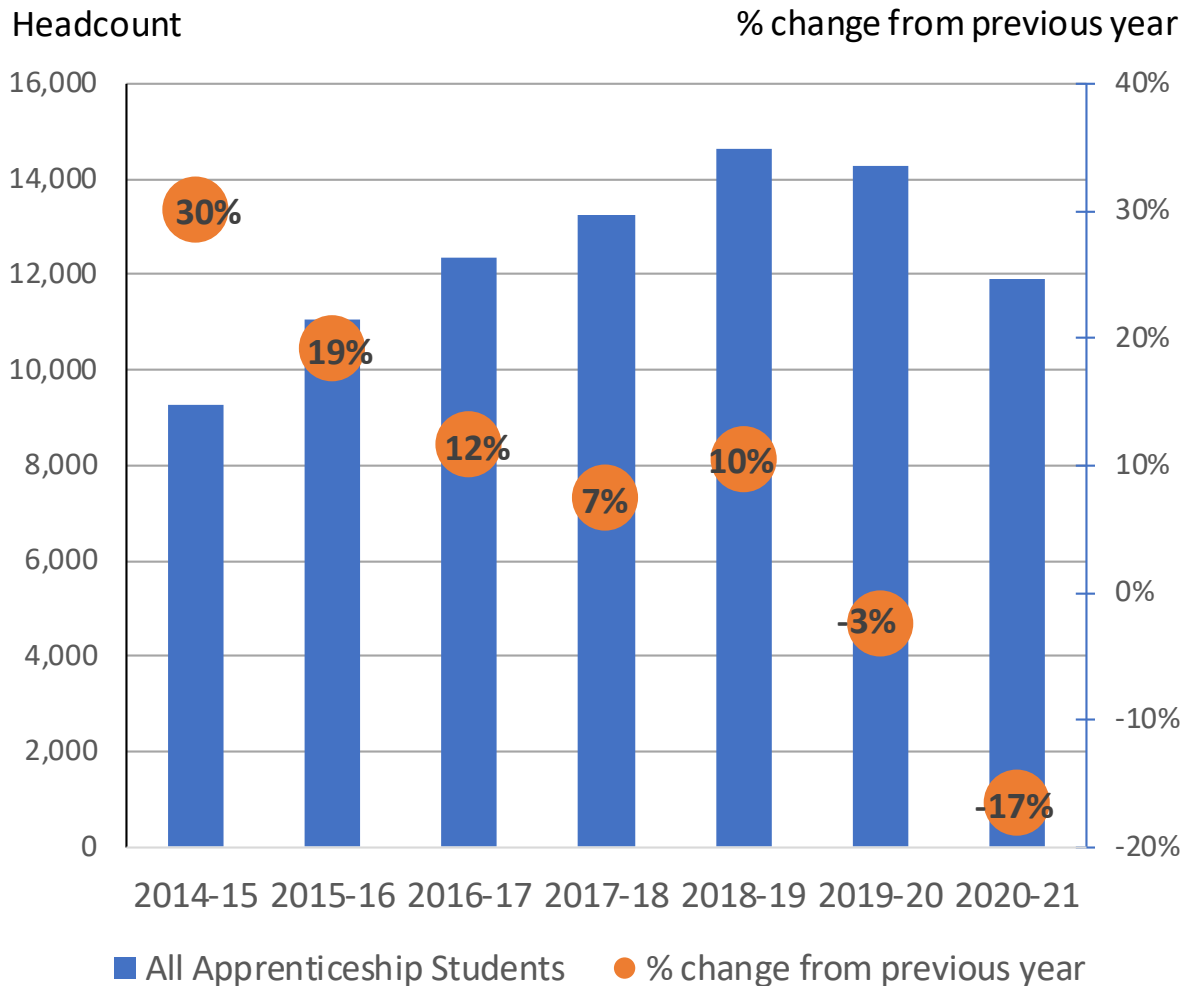
## Enrollment rates

- Apprentices typically are enrolled in only 3-5 credits per quarter
- Over the last complete academic year colleges served 11,884 individuals, equivalent to 3,512 full time enrollments.

## Related Supplemental Instruction is delivered several ways:

- Evenings (1-2 days weekly)
- Within the work schedule
- In advance of the work or on the job training (OJT)

# Apprenticeship Enrollments in CTCs: Headcount & Annual Growth Rates, 2014-15 to 2020-21

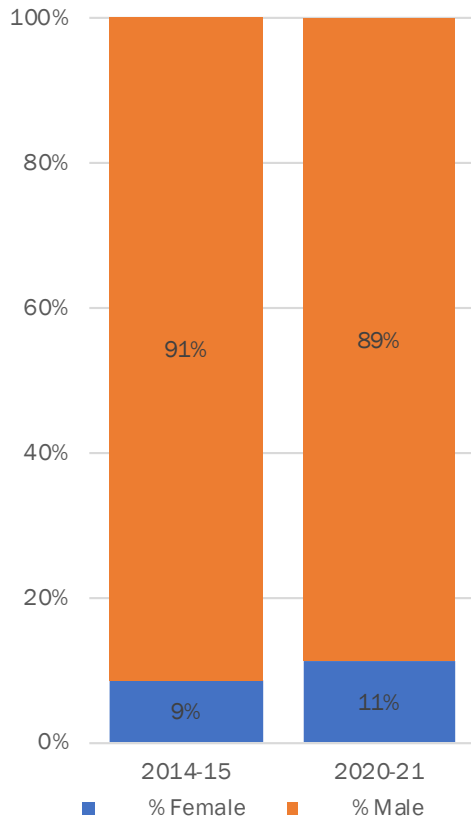


- Apprenticeship enrollment trends tend to be aligned to the business cycle: when employment rates are up, enrollment is up.
- Most recent quarterly enrollment report shows indications of recovery (enrollment gains)

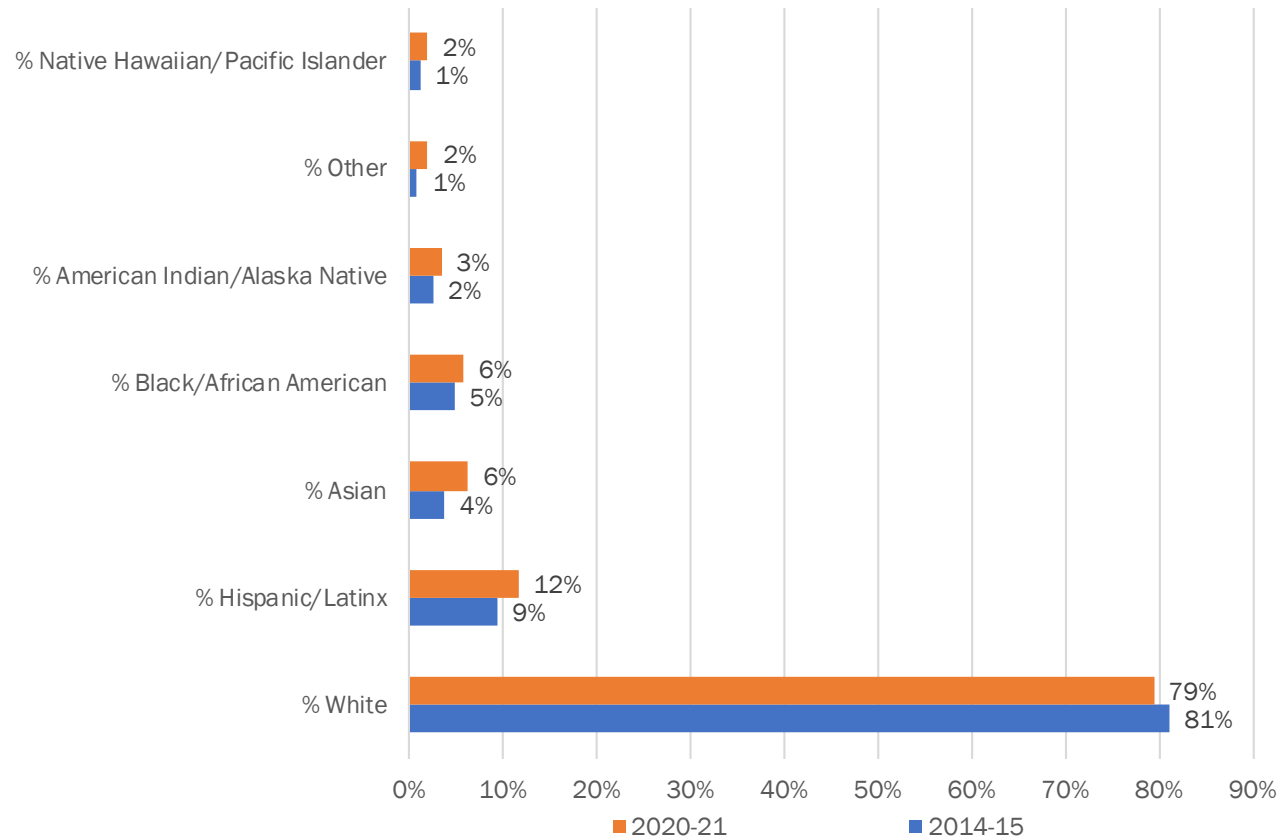


# Marginal diversity increases of enrolled apprentices seen from 2014-15 to 2020-21

Enrolled Apprentice Gender: 2014-15 compared to 2020-21



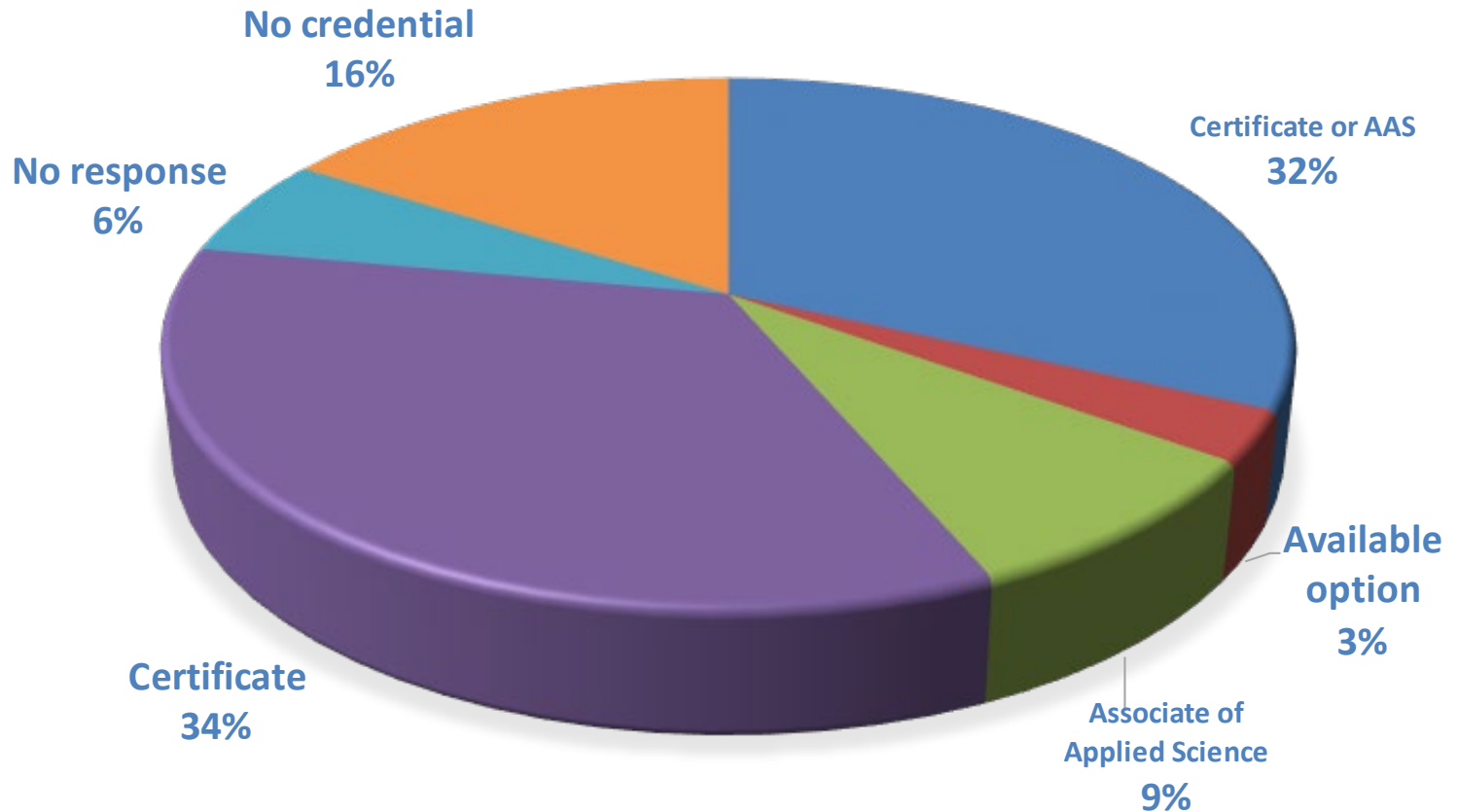
Enrolled Apprentice Race & Ethnicity: 2014-15 compared to 2020-21



# A Pathway To Credential

78% of all  
programs  
lead to a  
credential

CTC APPRENTICESHIP CREDENTIALS



\*3% - There is a credential option available

# Questions?

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