

Designing the Catherine and Isiah Leggett Math and Science Building



Takoma Park / Silver Spring Campus

October 2, 2018 **Design Charrette**

Welcome Remarks Dr. Brad Stewart Vice President and Provost, Takoma Park / Silver Spring Montgomery College







Events



Design Charrette: Architectural and Systems Concepts

C Events, Updates

Tuesday, October 2, 7–9:30 p.m. Takoma Park/Silver Spring Campus Cultural Arts Center 7995 Georgia Ave, Silver Spring, MD 20910 Free parking available. See directions below or click here for a campus map. Meet with the teams from Montgomery College,...

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Design Charrette:





- September



The Team

Integrated Design Firm + Community Engagement



Robert Bull, Architect, SmithGroup

Michael Akin, President, LINK Strategic Partners





Meeting Agenda

- Large Group 1.
 - Recap from 9/11 Meeting, and Summer sessions Feedback, Themes Heard, **Engagement Process**
 - Design Design Considerations and Concepts
- Work Groups 2.
- Work Groups Report Out 3.





Recap from 9/11 meeting -Feedback -Key Themes Heard -Engagement Process









	Question/Feedback	Response (Information below was summarized from in-room responses offered by SG and LINK)
1	What is the trade off between Concept 2 and 2.5?	Concept 2, and 2.5 are similar massing along Fenton St. However, on the campus side, Concept 2 and 2.5 differ in their massing. 2.5 has a smaller footprint and is one level taller. In 2.5, the planetarium also appears as a standalone mass.
2	Is there a way to design the building façade so that it complements and reflects the aesthetics already established in the surrounding area? Ideas might include using local river stone or stone from a local quarry.	The design team will study building façade ideas that will be presented in the coming community design charrettes.
3	In Concept 2, place a service elevator by the load-in area, especially with chem labs receiving deliveries (need large elevator).	The design team will address planning requirements as the design evolves.
4	In Concept 2, for security, it will be beneficial for the top floor labs to be more isolated (not to be so easily connected to other floors, so that expensive equipment can't walk away so easily).	The design team will address planning requirements as the design evolves.
5	In Concept 2, the right angle notch would create more open space if it was oriented diagonally.	The design team will address planning requirements as the design evolves.
6	A professor liked the green-space in between (that could be a green roof or an occupied terrace) in Concept 3.	Thank you for your feedback.
7	In Concept 3, for security, it will be beneficial for the top floor labs to be isolated (not to be connected to other floors so that expensive things can't be stolen so easily).	The design team will address planning requirements as the design evolves.
8	The additional windows and better natural light are a great asset in Concept 3.	Thank you for your feedback.
9	The extra floor is good in Concept 3 because it allows for better vertical traffic.	Thank you for your feedback.
10	In Concept 3, the view of planetarium doesn't seem as prominent	Thank you for your feedback.
11	What is the entrance to the planetarium like in Concept 3?	The planetarium entry will be located adjacent to a lobby space off of the tennis court level
12	In Concept 2.5, the right angle notch would create more open space if it was oriented diagonally.	The design team will address planning requirements as the design evolves.
13	In Concept 2.5, the campus side is addressed very well compared to the 3- story.	Thank you for your feedback.
14	The mass of the planetarium from the neighborhood looks too prominent and feels too much like a fortress in Concept 2.5.	Thank you for your feedback.
15	In Concept 2.5, will there be a door that comes out to the roof where you can have an outdoor space?	The design team will address planning requirements as the design evolves.
16	We want the greenhouse at a close proximity to the labs, for specific labs where the students need to use the greenhouse (in a controlled environment as much as possible).	The design team will address planning requirements as the design evolves.

	Question/Feedback	Response (Information below was summarized from in-room responses offered by SG and LINK)
17	It would be good to locate a bathroom near the planetarium for kids on field trips and others so they are more accessible.	The design team will address planning requirements as the design evolves.
18	Will there be a place to set up telescopes near the planetarium? Perhaps a rooftop, parking lot, or other area with a clear view of sky?	The design team will address planning requirements as the design evolves.
19	Overall, the architects have done a great job with the building footprint. I had a lack of confidence before this session.	Thank you for your feedback.
20	We'll likely need service elevators for heavy specialized equipment, given the function of the building.	The design team will address planning requirements as the design evolves.
21	More parking would be appreciated.	The design team will address planning requirements as the design evolves.
22	Can the greenhouse be located on or near the guad?	The design team will address planning requirements as the design evolves.
23	Will the greenhouse be located on the roof? Or on the ground level?	The design team will address planning requirements as the design evolves.
24	Is there one layout that functions the best in terms of circulation?	All design options intend to provide clear, rational circulation for the interior of the building.
25	Will there be a block for a support center, including faculty offices?	The design team will address planning requirements as the design evolves.
26	I am concerned about the noise. At the moment I don't think any of these designs reflect the quality of a residential building. What is going to be done about noise pollution generated by the facility?	An acoustician is part of the design team and will provide best practice reommendations to minimize noise generatred by the building.
27	I dislike the look of a square planetarium, and I think it should be traditionally round. Is there any way the structure can be made round? Is there a particular reason that it is not round?	The design team will study building form ideas that will be presented in the coming community design charrettes.
28	If there is going to be a square planatrium, can it be decorated?	The design team will study building form ideas that will be presented in the coming community design charrettes.
29	I think that the industrial buildings are horrible designs for the area. I love the way P3 looks and the image that it creates. P3 never felt like a commercial building. I think we should look at the design for P3 and base future designs from that. Is there any way we can take design influences from that building?	The design team will study building form ideas that will be presented in the coming community design charrettes.
30	How would students access the planetarium?	The planetarium will be accessed off of a primary lobby in the building.
31	Census bureau building has an amazing design. We should take some inspiration from that design.	The design team will study building form ideas that will be presented in the coming community design charrettes.
32	Can we make sure that the windows from the building don't reflect too much light? Could treating the windows help with light reflection?	The design team will study building material ideas that will be presented in the comin community design charrettes.
33	Can we put windows in the basments that look out to the lobbies or hallways?	The design team will study building form ideas that will be presented in the coming community design charrettes.
34	Will the loading dock be the same in all options?	Yes, the loading area will be located along Fenton St, near Science North for all concepts.
35	What is the learning center? Is it needed?	The learning center is a key component of the facility providing academic support spaces and functions, critical to student success.





	Question/Feedback	Response (Information below was summarized from in-room responses offered by SG and LINK)
36	Which building sits the farthest back from the street?	Concept 2 is approximately 150' to Takoma Ave at the closest point. Concept 2.5 is approximately 155' to Takoma Ave at the closest point.
37	Is there a reason why the building design is going for LEED Silver instead of LEED Gold?	LEED Silver is a project minimum requirement. The design team and college will attempt to target the highest certification rating possible for the project.
38	Will there be a new green space next to the building?	Yes, landscape improvements and green space are part of the project.
39	Can we ensure there is a diversity of trees in the new green space and ensure that the trees are well maintained?	The landscape design and plant species will be selected in a manner that is sensitive to the regional climate.
40	Can we ensure construction workers don't litter and leave trash behind?	The College intends to hire a CM at Risk as part of the project. These construction concerns will be communicated to the CM once they are on board.
41	When will we get a fittness facility back?	A new Health and Fitness Center (32,900 NASF/49,230 GSF) to replace Falcon Hall is project no. 4 in the approved and adopted 2013 to 2023 Facilities Master Plan. It will be on the site of the existing Science North building. Project no. 4 is after project no. 2 Library Learning Commons, and project no. 3 Math Building. Project no. 4 is at least 10 years in the future.
42	Nell as in the second factor of a set of star	
43	what is the square footage of each of the proposed concepts?	Each concept will target 134,000 st
44	The architectural team deserves appreciation for understanding what the community wanted in the design (even when the community members might not have completely understood what they were saving).	Thank you for your support
45	Concept 2.5 is appreciated because of its height and scale, as it was not too small or big. It is also not too square and blocky, and clearly takes into account the need for aesthetically pleasing street views.	Thank you for your feedback.
46	What does the orange area in the designs represent?	The orange area in the floor plans represent the learning center and planetarium. These graphics have annotation text that help explain the major components as the plans build up in levels.
47	What's the vision for the entry from the Takoma Avenue side?	To address neighbor concerns, a main entry off of Takoma Ave is no planned for the project.
48	Can we limit the times of use of the Takoma lot for parking during different periods of the day?	The parking lot on Takoma Ave is currently assigned to faculty and is not intended for public use.
49	What is the difference in the planetarium design in Concepts 2 and 3? The planetarium in Concept 2 seems less imposing.	In concept 2, the planetarium is internalized and is an interior design feature in the building.
50	It is important to join the walking tours of the campus to understand more about the site and proposed footprint and orientations.	The planned site tours are concluded. Additional, site tours will be considered upon formal request.
51	If the designs are set further back, it is better for the community, as views of the building wil be less direct.	The design team will provide views from various vantage points in the surrounding neighborhood as the design evolves.
52	Does the planetarium have to be square?	The design team will study building form ideas that will be presented in the coming community design charrettes.
53	Can we use the field stone from the existsing structure so that the new design looks like it's part of the old design?	The design team will study building form ideas that will be presented in the coming community design charrettes.

54 	Question/Feedback	Response (Information below was summarized offered by SG and LINK)
54	How will the green roof area be integrated?	The design team will study building form ideas that will be community design charrettes.
55	Can the the planetarium reflect local design aesthetics? Could it borrow from the bungalow mission style?	The design team will study building form ideas that will be community design charrettes.
56	Have you looked at placement codes for labs?	The design team will follow all applicable building codes for the mandatory referral process review.
57	Have you worked on building designs with labs so close to a neighborhood?	The design team has worked on lab buildings in a variety sensitive to the the surrounging context as the design evo
58	What happened to the soil sample testing, which was performed earlier this year, and why have the results not been shared with us?	The soil boring report is in draft format as of the 9/11/201 when it is finalized.
59	When will we get a better idea about the proposed design?	The design team will study building form ideas that will be community design charrettes.
60	The community members expressed concerns about the intersection of Takoma and Fenton becoming a drop-off and pickup location.	The drop off location is located along Fenton St and is int drop off. As this is a designated zone, it will help prevent Fenton Street.
61	The community members also expressed concerns about the academic focal point of the campus shifting, resulting in a change of foot traffic and flow toward this corner of campus.	The majority of foot traffic and bus drop off occurs o the N such the primary entries are organized to receive this traff coming on foot from South of the project site.
62	What's the interest in pushing the building closer to Fenton?	The majority of the labs are pushed towards Fenton St to neighbors as possible.
63	Please indicate where the planetarium is structurally in each concept.	The planetarium is generally located along Takoma Ave fo
64	With three stories, what is the added square footage?	All options are the same size in terms of square footage.
65	Keep climate change in mind, and plan for significant rain and show during very short periods of time.	Agreed, stormwater management strategies are a key cor
66	Keep pedestrians in mind. Consider sheltered walkways or a tunnel	The design team will study these ideas as the design adv
67	The pharmaceutical building (a net zero buildng on Colesville & Spring) could be used as a design example.	Thank you for your feedback.
68	Why not locate doors near the drop-off area to help improve access?	The design team intends to locate near drop off areas to i
69	Concept 2 is not as interesting, takes up more space, and looks like a pretty boring space. Spacially, it has different height levels. The other 2 have interesting geometry while Conept 2 just looks like two blocks.	Thank you for your feedback.
70	Concept 2 looks too corporate.	Thank you for your feedback.
71	Concept 2 has less potential for any outside views.	Thank you for your feedback.
72	I like the low profile of Concept 2 on Fenton.	Thank you for your feedback.
73	Concept 2 seems like the least intrusive to build.	Thank you for your feedback.
74	The further set back from Takoma Avenue, the better it is for the community.	Thank you for your feedback.
75	In Concept 2, what is the full explanation of the red zone?	The red zone indicates the area where the building is to b tall.



from	in-room	responses
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	Question/Feedback	Response (Information below was summarized from in-room responses offered by SG and LINK)
76	For Concept 2, I'm still thinking renewable energy would be a great asset. The pharmeucitcal building is doing well with their headquarters and you might consider approaching them since their building is net zero.	Thank you for your feedback.
77	In Concept 2, there is also the parking lot and west wall on which you can place a canopy or shading.	The design team will study these ideas as the design advances.
78	There is a green roof on Concept 2. Why isn't there green space on the other roofs?	The design team will study these ideas as the design advances.
79	More green roofs, please.	The design team will study these ideas as the design advances.
80	There is a company that does green roofs for differnet kinds of photovoltaic systems, should we want to include something like that.	The design team will study these ideas as the design advances.
81	Concept 2 has a lot of mass.	Thank you for your feedback.
82	Concept 2 presents less potential for outside use.	Thank you for your feedback.
83	You have to consider that New York Avenue is also a residential side.	The design team will provide views from various vantage points in the surrounding neighborhood as the design evolves.
84	In Concept 3, the thing that my mind wants to do is push the planetarium and extension apart. Could that be accomplished if you put a dome on top instead of using a box?	Thank you for your feedback.
85	I like the boxy design of Concept 2.5.	Thank you for your feedback.
86	Is there going to be virtual reality in the planetarium?	Virtual reality type setups are generally consumer products that are small in scale and can be used in most standard space.
87	In Concept 2.5, can you explain what is going on with the gate on top of the building?	The screenwalls are intended to screen the rooftop mechanical units and provide a visual and potentially acoustical buffer.
88	In Concept 2.5, I'm trying to get an idea of what the screen would look like from afar on top of the building.	The screenwall design will be studied as the design advances.
89	Can you talk about the orientation of the labs in Concept 3?	The labs are located along Fenton St.
90	Where are the faculty offices in relationship to the student labs in Concept 2.5?	The faculty offices are in proximity to the labs in concept 2.5.
91	If someone is coming from Takoma Metro Station, what entrance would they use in Concept 2.5?	A person walking from Takoma metro would be encouraged to use the designated entrance on Fenton St.
92	Is there a bus that goes from Takoma to Silver Spring?	Yes, there is a bus from Silver Spring that drops people off in front of the Nunley Student Center.
93	Fenton Avenue is going to be closed for a month. How will you do the traffic study? Is it going to measure student activity coming up Fenton during peak traffic hours?	The traffic study will be coordinated with road closures. Typically the road closures are during off-peak hours, therefore the traffic study will collect data on peak traffic.
94	Is there at least a year from until construction will begin?	Construction will likely not begin until mid-point of 2019 at the earlest. This is approximately 1 year from the beginning of the community design charrettes.
95	Will the whole math program be in this building, as opposed to where it is now?	The math programs will be located in the new facility.

	Question/Feedback	Response (Information below was summarized f offered by SG and LINK)
96	Is there a plan to make the building an acutal lab to teach kids how to build sustainable buildings? Will the building be open to tours to teach kids about the operations and design of the building?	The design team intends to study sustainability exhibits as
97	I personally think Concept 2.5 is the best of three options because the geometry is interesting and doesn't intrude as much. The building is not as tall as in Concept 3 so It will not dominate the area as much.	Thank you for your feedback.
98	Concept 2.5 offers the most efficient programming.	Thank you for your feedback.
99	Do they allow dockless scooters on campus?	The College is a partner with Capital Bikeshare. There is a Fenton Street for bicycles. There is no Policy and Procedu concerning dockless bicycles and dockless scooters.
100	Will there be docks for non-motorized transportation, like scooter and bikes?	The design team intends to study designated parking area transportation.
101	Locate non-motorized transportation docks near the outskirts of campus so they are accessible to students but also available to the public.	The College is a partner with Capital Bikeshare. There is a Fenton Street for bicycles. There is no Policy and Procedu concerning dockless bicycles and dockless scooters.
102	Use the construction process as living classroom. After the building is built, utilize the building so that students can study its systems.	The design team will study building form ideas that will be community design charrettes.
103	Use flag stone in the construction.	The design team will study building form ideas that will be community design charrettes.
104	Use photovoltaic panels to help with energy consumption.	The design team will study building form ideas that will be community design charrettes.
105	Try to do a survey to understand peak usage for when students are coming and going from Metro.	Based on MC experience with the student body, the overw take the Ride On bus after they arrive to Metro.
106	Pull the glass wall facing the commons back a little.	The design team will study building form ideas that will be community design charrettes.
107	Include a covered walkway to the entrance of the building, showing people where to go.	The design team will study building form ideas that will be community design charrettes.
108	Locating the entrance to planetarium so that it doesn't go through the building will make it easier for public to access.	The design team will address planning requirements as the



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Feedback Themes from previous meetings

- **Engagement Process**
- **Environmental Considerations**
- **Design Elements**
- Internal Considerations
- **Construction Considerations**





Feedback Themes from previous meetings

Employ strategies that breakdown scale similar to Concept 2 and 3 Study pedestrian and vehicular traffic flows Minimize noise generated by building Minimize light trespass from building and site Active communication and accountability during construction Tree protection and preservation







Feedback **Key Themes Heard**

Preference for the lower height in Concept 2 or 2.5 Preference for setback similar to Concept 2 or 2.5 Strong general preference for Concept 2 or 2.5 Consider site context during development of building exterior





Engagement Process Design Charrettes





Architectural Concepts

Systems Concepts

Design Refinement Construction Issues

Submit Application for Mandatory Referral (Planning Board)

> Design Charrette Meetings Winter 2019





Q: Can you update the tree map with the latest survey information?

A: Yes

MC is committed to protecting the park-like green space. A tree condition assessment is the next step.

Source: Recent Civil Engineer Survey **Updated 9/14/2018



Q: Where is site context information coming from?

A: Existing campus information is compiled from multiple sources. Buildings are modeled and located based upon a combination of available record drawings and located based upon available survey data.

Site topography is modeled based up available survey data.

Adjacent residential buildings are approximated based on a combination of street level and aerial photographic information.

Falcon Hall



Pavilion 3



Civil Survey

Commons



Science North



Resource Center





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Math Pavilion

North Pavilion



Nunley Student Center

Science South

SMITHGROUP **LINK STRATEGIC PARTNERS**

Design Design Considerations (Recap) Site / Forms / Organizational Concepts



Design Directives

1. Keep the current setback of Falcon Hall along Takoma Avenue

2. Protect park-like green space along Takoma Avenue

3. Minimize windows along Takoma Avenue

4. Ensure height is no more than two stories along Takoma Avenue

5. Take advantage of topography to minimize perceived height

6. Locate height and rooftop units away from Takoma Avenue

7. Maximize building width to lower height

8. Hire an architect experienced with designing facilities in historic and residential neighborhoods

Design – Learning Environments

1. Active Learning

2. Hands On Experience





"Teaching methodologies and pedagogy are undergoing transformation, no longer are four walls and a chalkboard sufficient ..."



3. Science and Math Communities

Design – Sustainability



Goals:

-Sustainable Site Design -Water Use Reduction -Energy Conservation -Optimize Natural Light -Healthy Environments -Renewable Energy Production



SMITHGROUP LINK STRATEGIC PARTNERS



21

Academic Support

Administration

Building Support

Design – Existing Context

Science North

Window walls

Forms express

program function

**Overall dimensions are rounded to whole numbers for clarity **Trees not shown for easier understanding of architectural masses

New York Ave

Massing reduces

in scale

142′

Pavilion 3

Nunley Student Center

Fenton St

North

Resource Center

23

112'

screen wall

Truss as mechanical

Science South

Massing aligns

Falcon Hall

with Fenton

Study existing buildings that will be demolished







Design – Existing Context ******Overall dimensions are rounded to whole numbers for clarity **Trees not shown for easier understanding of architectural masses 217′ Pavilion 3 Nunley Student Center Large mass articulated by smaller masses Long expanse of window New York Ave **Resource Center** Science North wall. Façade is similar in length to new building. 280' Fenton St The Commons Long facade with overhang and repeating modules. Façade is similar in length to new building. North Campus Grid-Fenton Side Study taller campus scale buildings at the North end of campus and along Fenton St





Design – Existing Context

**Overall dimensions are rounded to whole numbers for clarity **Trees not shown for easier understanding of architectural masses

New York Ave

148′

45'

60′

Pavilion 3

150'

Nunley Student Center

an

Fenton St

Science North

Long expanse of

165'

Resource Center

Window wall

Study transition to shorter campus scale buildings along New York Ave and Takoma Ave



New York Ave / Takoma Ave - Campus grid

Design – Existing Context

**Trees not shown for easier understanding of architectural masses

New York Ave

Pavilion 3

Nunley Student Center

Fenton St

North

Science North

Resource Center

Relate to taller scale massing along Fenton this zone

New building exists in the transition from Fenton Street scale to Takoma Ave/New York Ave scale

25

Takoma Ave

Relate to lower scale massing of New York and Takoma in this zone

The Commons





Design – Materials

Campus Brick (Earth tones)





Precast / Clay Tiles (Earth tones)





Metal (natural / compatible color)

Native Plants



Stone





Window Wall



Pattern Glazing

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Design – Forms / Organizational Concepts Concepts shared on 9/11/2018 Design Charrette

Concept 3 – Distributed Bars

Concept 2 – Rotated Pavilion



Key Feedback:

- -Larger footprint results in shorter massing
- -Potentially difficult way finding on interior
- -Angled massing following Fenton St. pushes massing farther away from Takoma Ave



Key Feedback:

- -Overall massing broken down in scale
- -Planetarium limits windows along Takoma Ave
- -Angled massing following Fenton St. pushes massing farther away from Takoma Ave

-Perceived height is tallest of 3 options

-Isolated floor potentially breaks up program too much



Key Feedback: -Larger footprint results in shorter massing -Potentially difficult way finding on interior -Angled massing following Fenton St. pushes massing farther away from Takoma Ave



Concept 2.5 – Untitled on 9/11

Design – Forms / Organizational Concepts Concepts shared on 9/11/2018 Design Charrette

Concept 2 – Rotated Pavilion

Concept 3 – Distributed Bars



Key Feedback:

- -Larger footprint results in shorter massing
- -Potentially difficult way finding on interior
- -Angled massing following Fenton St. pushes massing farther away from Takoma Ave

Based upon community feedback, **Concept 3 is not being carried** forward.

Key Feedback:

- -Overall massing broken down in scale
- -Planetarium limits windows along Takoma Ave
- -Angled massing following Fenton St. pushes massing farther away from Takoma Ave

-Perceived height is tallest of 3 options

-Isolated floor potentially breaks up program too much



Key Feedback: -Larger footprint results in shorter massing -Potentially difficult way finding on interior -Angled massing following Fenton St. pushes massing farther away from Takoma Ave



Concept 2.5 – Untitled on 9/11

Design – Forms / Organizational Concepts 10/02/2018 Design Refinements

Concept 2 – Rotated Pavilion

Concept 2.5 – Distributed Bars







Concept 2 - Rotated Pavilion Loading on Fenton St **FIRST LEVEL** Metroral CSN Tracks Science North Orth Drop-off and entry on Fenton St Entry from upper campus **Resource Center** Belle Ziegler Park Vew Kork Ave Potential landscape The Commons and screening in red zone Takoma Ave.









Concept 2 – Rotated Pavilion: Update Notes

Concept 2 shared on 9/11/2018

Concept 2 shared on 10/02/2018





Reduce width of rooftop mechanical, increase length to make room for PV

Cut back massing for entry

Locate greenhouse adjacent to green roof

Massing of planetarium expressed

Port Au

SMITHGROUP LINK STRATEGIC PARTNERS


Concept 2 - Rotated Pavilion **WITH EXISTING BUILDINGS**

The Commons

Science North

40

30

V

Height dimensions taken from ground, or relative to Falcon Hall. Note that ground level varies as site is not flat.

\$ 24'8"

Takoma Ave.

Metrorail CSX Tracks

21

9' 1

Belle Ziegler Park



Concept 2 - Rotated Pavilion AERIAL VIEW FROM FENTON

North

*Note, dimensions will continue to be updated as design evolves *Note, for graphic clarity, only overall scale dimensions are shown

Student Center

Science North

lenoral

 \mathcal{G}

110

Resource Center















Takoma Ave

Concept 2 - Rotated Pavilion VIEW FROM TAKOMA & FENTON





Fenton St.

Takoma Ave

Concept 2 - Rotated Pavilion VIEW FROM TAKOMA & FENTON





Fenton St

North

Concept 2 - Rotated Pavilion **VIEW FROM LOWER FENTON**



Science North

Fenton St

Concept 2 - Rotated Pavilion VIEW FROM UPPER FENTON





Fenton St

Concept 2 - Rotated Pavilion VIEW FROM UPPER FENTON





Concept 2 - Rotated Pavilion VIEW FROM TAKOMA ENTRY





Neighborhood houses shown as white masses

VANT

Concept 2 - Rotated Pavilion VIEW FROM UPPER TAKOMA AVE





Service road

Concept 2 - Rotated Pavilion VIEW FROM NEW YORK AVE





Concept 2 - Rotated Pavilion VIEW FROM NEW YORK AVE

Service road



161

DELLUIS



Concept 2 - Rotated Pavilion

Accomplishes Design Directives

•160' setback along Takoma Avenue exceeds commitment of 110'
•park-like green space along Takoma Avenue is maintained
•building width maximized to reduce overall height
•The overall perceived height of building is limited to 2 stories; exceeding commitment of lowered height on Takoma Avenue
•use of lower level space (partial below-grade on Fenton) takes advantage of topography to minimize perceived height along Takoma

Accomplishes Community Considerations

•consolidated labs on Fenton St.

learning center and student activity located on internal campus quad
more floorplate to co-locate building functions







Concept 2.5 – Distributed Bars SECOND LEVEL







Concept 2.5 – Distributed Bars: Update Notes

Concept 2.5 shared on 9/11/2018

Concept 2.5 shared on 10/02/2018





Reduce width of rooftop mechanical, increase length to make room for PV

Cut back massing

Locate greenhouse adjacent to green roof

lew York Av

SMITHGROUP LINK STRATEGIC PARTNERS



Concept 2.5 – Distributed Bars **WITH EXISTING BUILDINGS**

The Commons

R

Science North

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Height dimensions taken from ground, or relative to Falcon Hall. Note that ground level varies as site is not flat.

39

Metrorail CSX Tracks

9' 1

20'

\$ 24'8"

Takoma Ave.

Belle Ziegler Park









Takoma Ave

Concept 2.5 – Distributed Bars VIEW FROM TAKOMA & FENTON



61

-

Fenton St.



North

Concept 2.5 – Distributed Bars **VIEW FROM LOWER FENTON**



enton s



Science North

Fenton St

Concept 2.5 – Distributed Bars VIEW FROM UPPER FENTON



Fenton St

Concept 2.5 – Distributed Bars **VIEW FROM UPPER FENTON**



Concept 2.5 – Distributed Bars





Neighborhood houses shown as white masses

Warner

Concept 2.5 – Distributed Bars VIEW FROM UPPER TAKOMA AVE





Service road

Concept 2.5 – Distributed Bars VIEW FROM NEW YORK AVE





Service road

Concept 2.5 – Distributed Bars **VIEW FROM NEW YORK AVE**





Concept 2.5 – Distributed Bars

Accomplishes Design Directives

•160' setback along Takoma Avenue exceeds commitment of 110'

- •park-like green space along Takoma Avenue is maintained
- •height along Takoma Avenue is limited to 2 stories
- •location of planetarium supports minimized windows along Takoma Avenue

•use of lower level space (below-grade on Fenton) takes advantage of topography to minimize perceived height along Takoma

Accomplishes Community Considerations

•consolidated labs on Fenton St

•learning commons and student activity located on internal campus quad

•set back off of Takoma Ave reduces overall perceived scale of building from Takoma Ave



Form comparisons

Design – Forms / Organizational Concepts MC COLLEGE Form Comparisons

Concept 2 – Rotated Pavilion

Concept 2.5 – Distributed Bars







Design – Forms / Organizational Concepts MC COLLEGE Form Comparisons

Concept 2 – Rotated Pavilion

Concept 2.5 – Distributed Bars






Design – Forms / Organizational Concepts MC COLLEGE Form Comparisons

Concept 2 – Rotated Pavilion









Fenton St.

Takoma Ave

Concept 2 - Rotated Pavilion VIEW FROM TAKOMA & FENTON





Takoma Ave

Concept 2.5 – Distributed Bars VIEW FROM TAKOMA & FENTON



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Fenton St.



Form Comparisons – View from Takoma & Fenton

Existing trees are transparent to provide unobstructed view of building

Concept 2 – Rotated Pavilion





Concept 2 - Rotated Pavilion **VIEW FROM LOWER FENTON**



Fenton St



Concept 2.5 – Distributed Bars **VIEW FROM LOWER FENTON** enton s

78



North

Form Comparisons – View from lower Fenton

Existing trees are transparent to provide unobstructed view of building

Concept 2 – Rotated Pavilion





Science North

Fenton St

Concept 2 - Rotated Pavilion VIEW FROM UPPER FENTON





Science North

Fenton St

Concept 2.5 – Distributed Bars **VIEW FROM UPPER FENTON**



Form Comparisons – View from upper Fenton

Existing Trees are transparent to provide unobstructed view of building

Concept 2 – Rotated Pavilion



Fenton St

Concept 2 - Rotated Pavilion VIEW FROM UPPER FENTON



Fenton St

Concept 2.5 – Distributed Bars **VIEW FROM UPPER FENTON**



Form Comparisons – View from upper Fenton

Concept 2 – Rotated Pavilion



Concept 2 - Rotated Pavilion VIEW FROM TAKOMA ENTRY





Concept 2.5 – Distributed Bars VIEW FROM TAKOMA ENTRY





Form Comparisons – View from Takoma Entry

Existing Trees are transparent to provide unobstructed view of building

Concept 2 – Rotated Pavilion





Neighborhood houses shown as white masses

VITT

Concept 2 - Rotated Pavilion VIEW FROM UPPER TAKOMA AVE





Neighborhood houses shown as white masses

Warner

Concept 2.5 – Distributed Bars VIEW FROM UPPER TAKOMA AVE





Form Comparisons – View from upper Takoma

Existing Trees are transparent to provide unobstructed view of building

Concept 2 – Rotated Pavilion

Concept 2.5 – Distributed Bars



Neighborhood houses shown as white masses



Concept 2 - Rotated Pavilion

VIEW FROM NEW YORK AVE

Service road



161

DILLUMPE



Service road

Concept 2.5 – Distributed Bars **VIEW FROM NEW YORK AVE**





Form Comparisons – View from New York Ave

Existing Trees are transparent to provide unobstructed view of building

Concept 2 – Rotated Pavilion





Work Groups

Concept 2 – Rotated Pavilion





Work Groups

Group 1 – Art Gallery Group 2 – Lobby Group 3 – Theater I Group 4 – Theater I

Work Groups Report Out

Concept 2 – Rotated Pavilion





Next Charrette Cultural Arts Center October 16, 7PM -9:30PM

MONTGOMERY COLLEGE montgomerycollege.edu/tpss-design