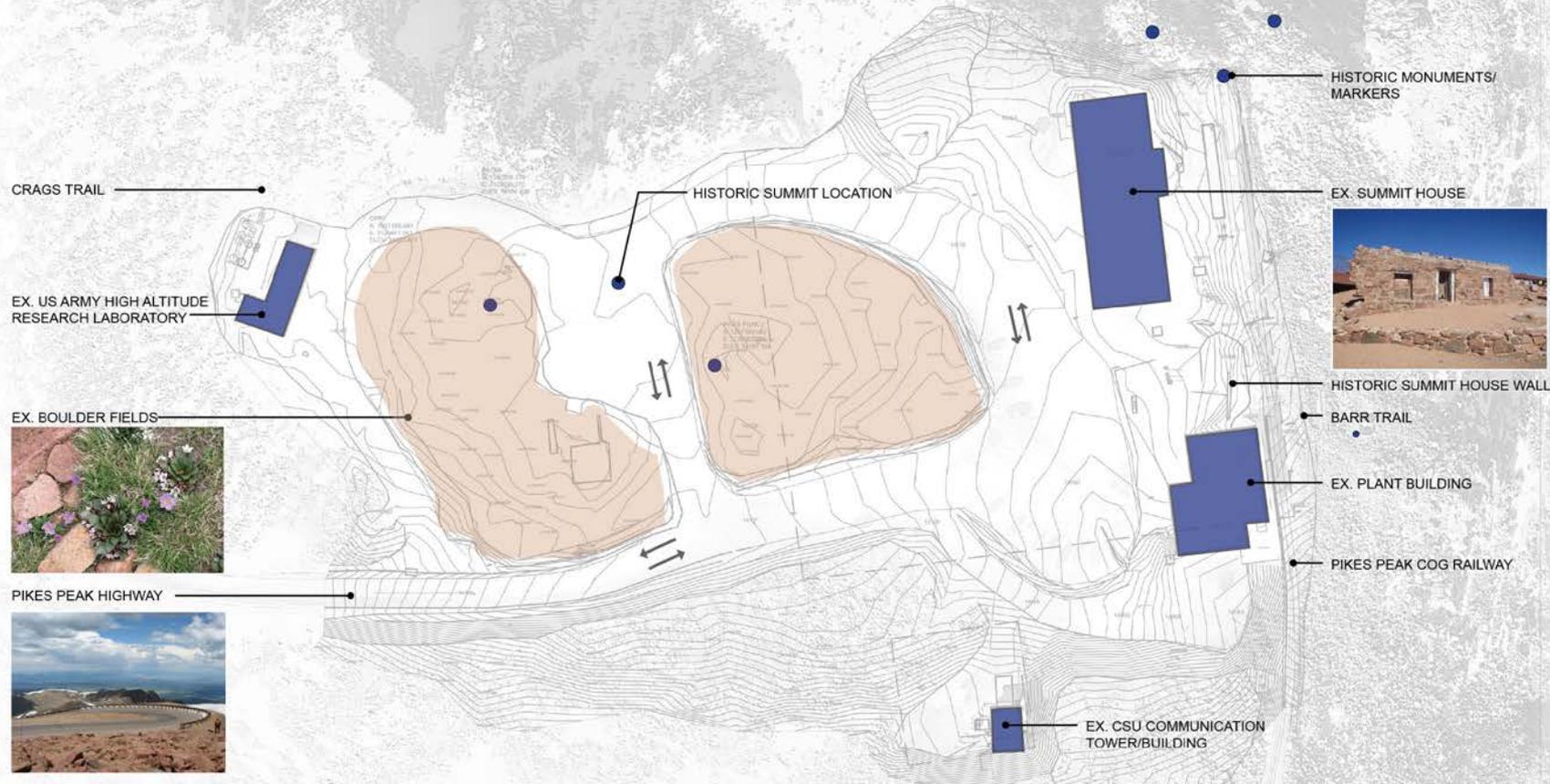




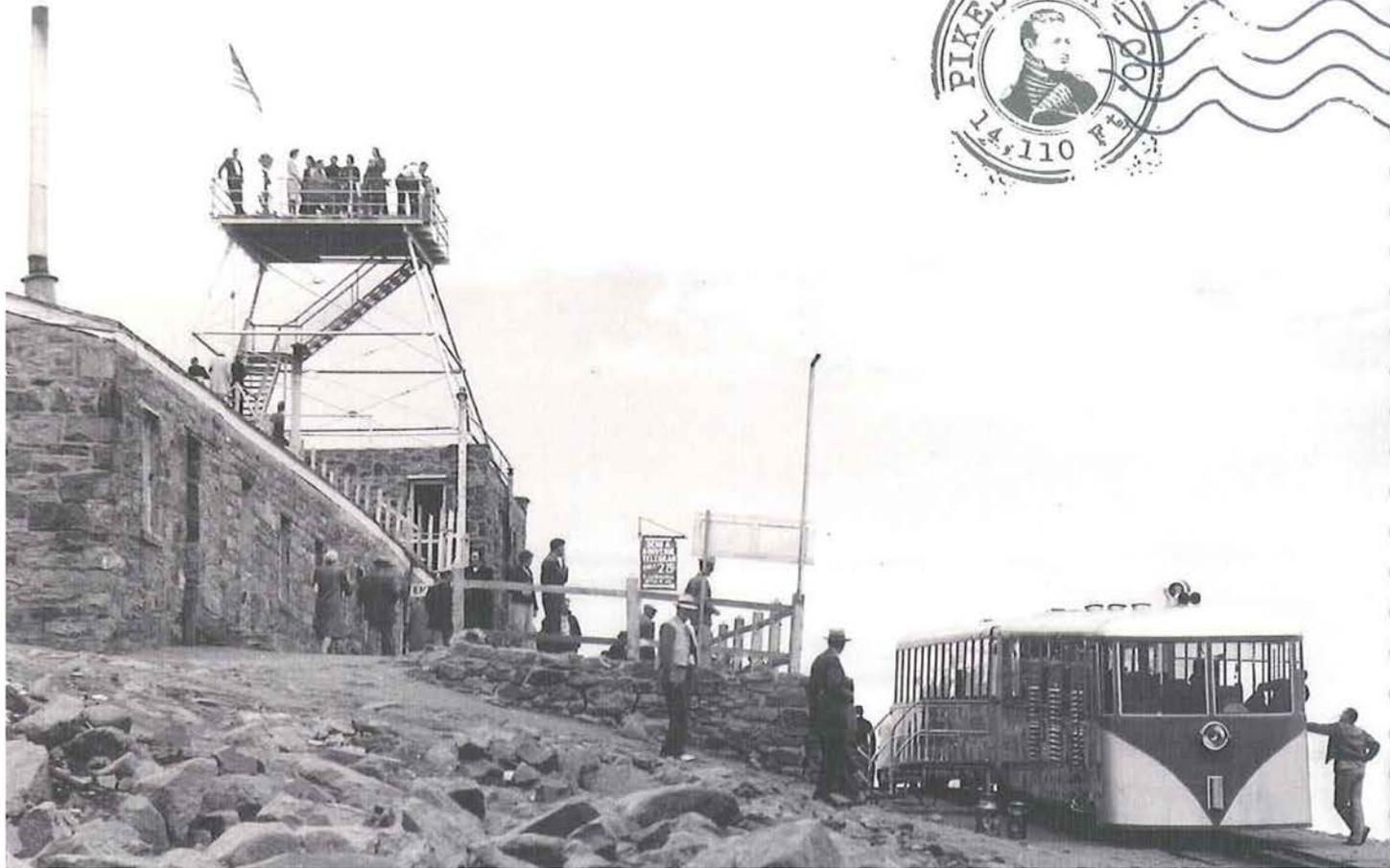
PIKES PEAK SUMMIT COMPLEX

JANUARY 26 2016





Existing Conditions



Historic Imagery

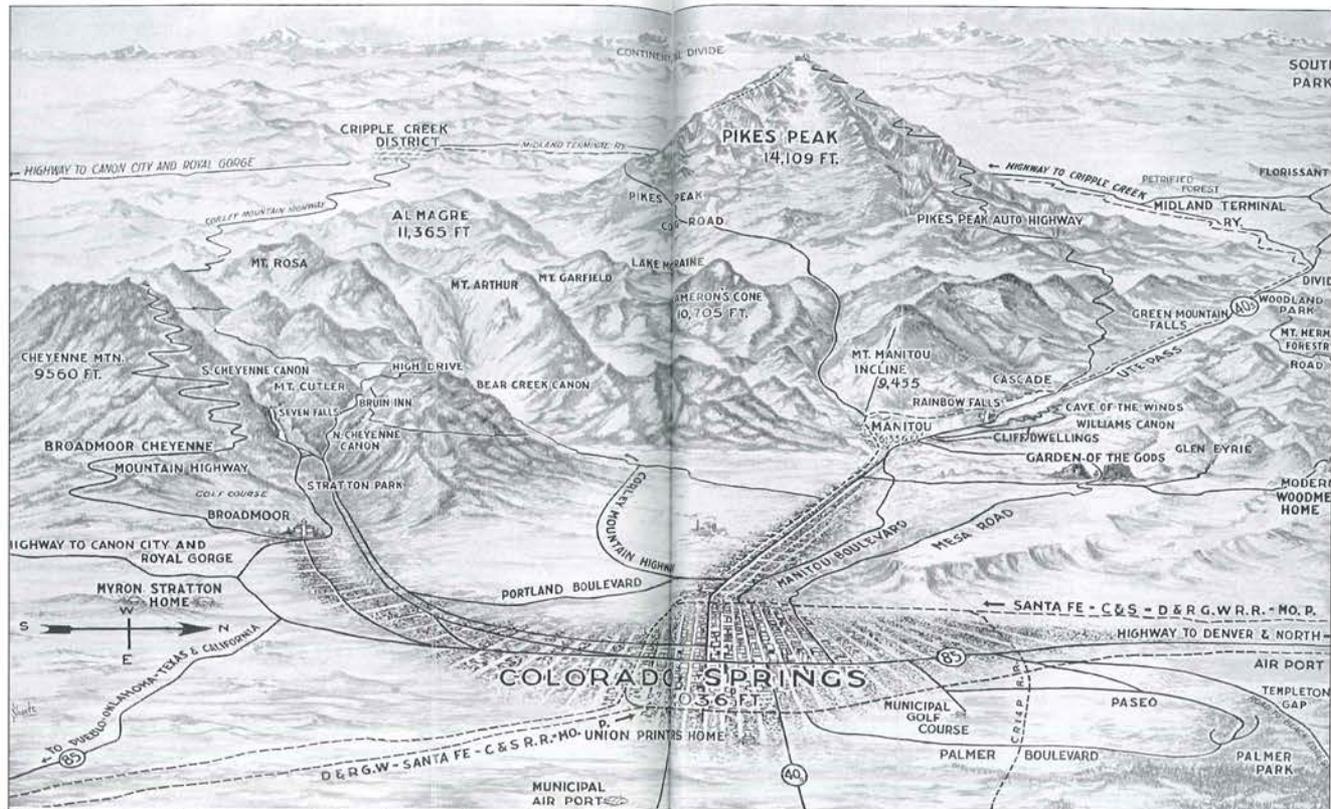


Bert S. Elliott is photographed standing atop Mt. Rosa, elevation 11,496 feet. He is standing near the Colorado Mountain Club's register box. When someone made it to the top, they signed the book and recorded their feat.



PIKEN PEAK AND GARDEN OF THE GODS IN THE FOREGROUND COLORADO.

SEE SANCTUARY IN JOHN TRIMBLE



This map shows some of the larger ranges and peaks in the area. It also included, "Rules of the Road: 1. Keep to the right on all curves; 2. Driver must watch the road, not the scenery; 3. Pull well off the road to right side in parking or stopping; 4. Speed limit is 20 m.p.h.; 5. Drive both ways in low and second gear; 6. Observe and heed all road signs and instructions from

patrolmen; 7. Be cautious—this highway is no place for road hogs or the reckless driver; 8. All cars are requested to stop and check in at Glen Cove." It also included information about "Your Car. Be sure your car is performing properly and in good mechanical condition before starting for the Summit. Check oil and lubricating system. Check steering. Check tires. Check water."



STORIES



SUMMIT
MADE IT



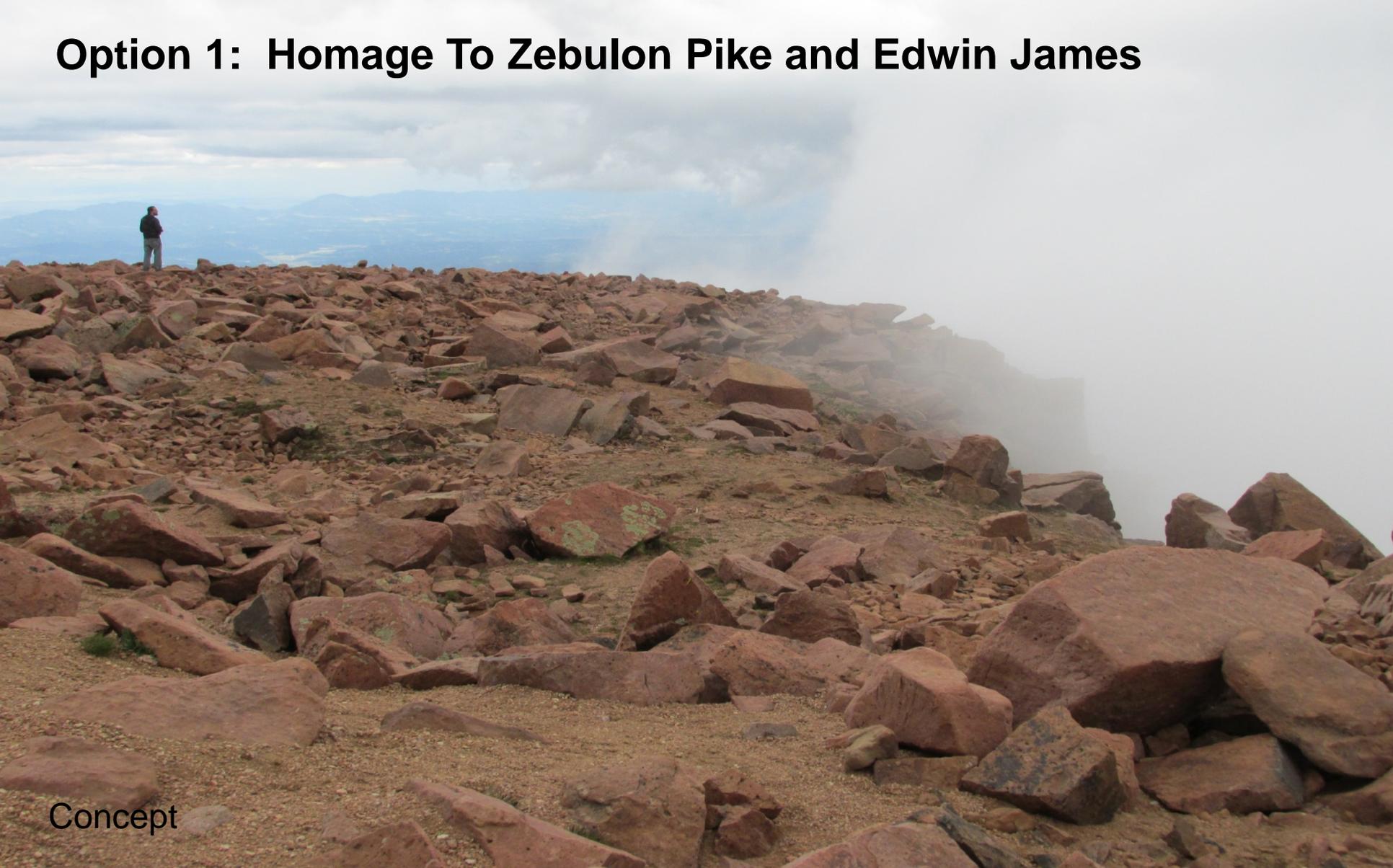




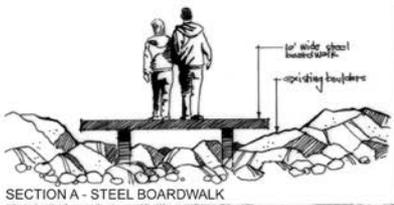


PRELIMINARY DESIGN OPTIONS

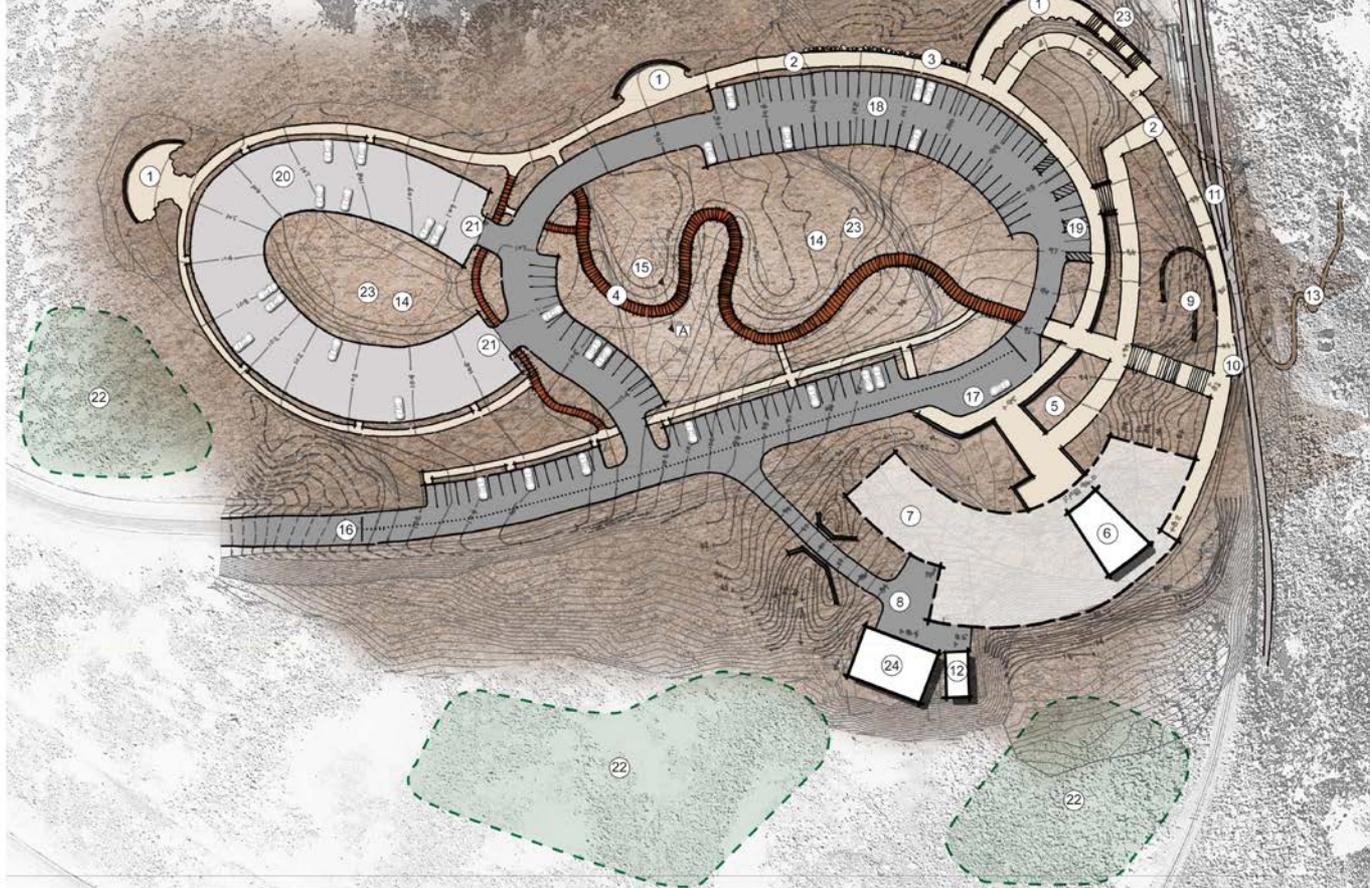
Option 1: Homage To Zebulon Pike and Edwin James



Concept



SECTION A - STEEL BOARDWALK



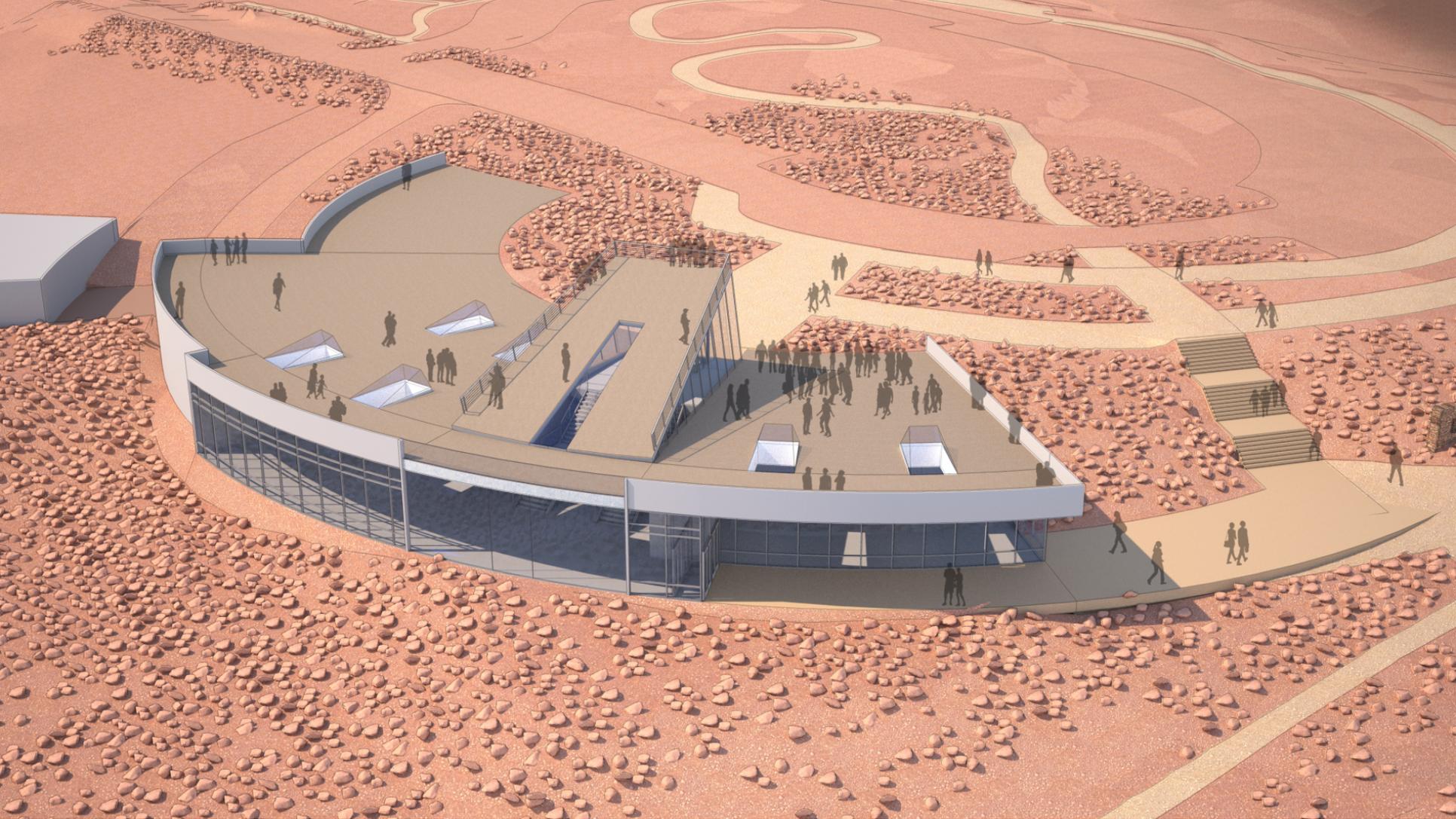
- LEGEND**
- ① OVERLOOK
 - ② INTERPRETIVE LOOP
 - ③ BOULDER WALL
 - ④ STEEL BOARDWALK
 - ⑤ POSSIBLE MICROCLIMATE ALPINE TUNDRA 'COLD FRAMES'
 - ⑥ SUMMIT HOUSE
 - ⑦ PLANT
 - ⑧ SERVICE ACCESS
 - ⑨ HISTORIC SUMMIT HOUSE FACADE
 - ⑩ COG PLATFORM
 - ⑪ COG RAIL
 - ⑫ COMMUNICATION TOWER
 - ⑬ BARR TRAIL
 - ⑭ BOULDER FIELDS
 - ⑮ APPROXIMATE SUMMIT LOCATION
 - ⑯ PIKES PEAK INTERNATIONAL HILL CLIMB FINISH LINE / 500' RACE RUNOUT
 - ⑰ DROP OFF
 - ⑱ PERMANENT PARKING
 - ⑲ ACCESSIBLE PARKING STALLS
 - ⑳ OVERFLOW PARKING
 - ㉑ GATE
 - ㉒ UNDISTURBED PLANT COVER
 - ㉓ RESTORED ALPINE TUNDRA
 - ㉔ HIGH ALTITUDE RESEARCH LAB

PARKING TABULATION

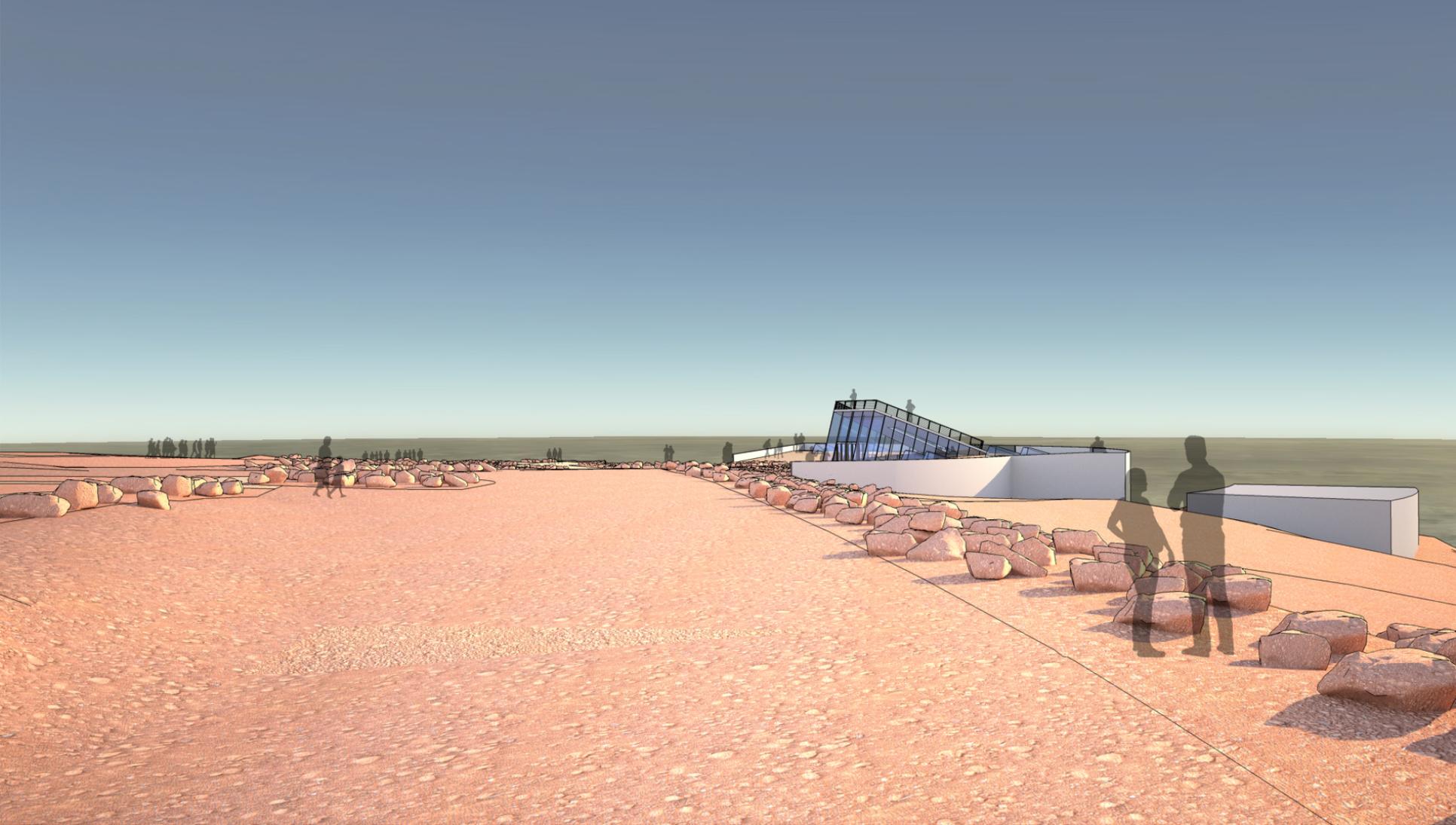
EXISTING PARKING	±206
PROPOSED PARKING	233
(TWO WAY 90 DEGREE PERMANENT)	(116)
(TWO WAY 90 DEGREE OVERFLOW)	(110)
(ACCESSIBLE - 90 DEGREE)	(7)
STAFF	14
SHUTTLE BUS	0
FUEL EFFICIENT	TBD
TOUR BUS	0



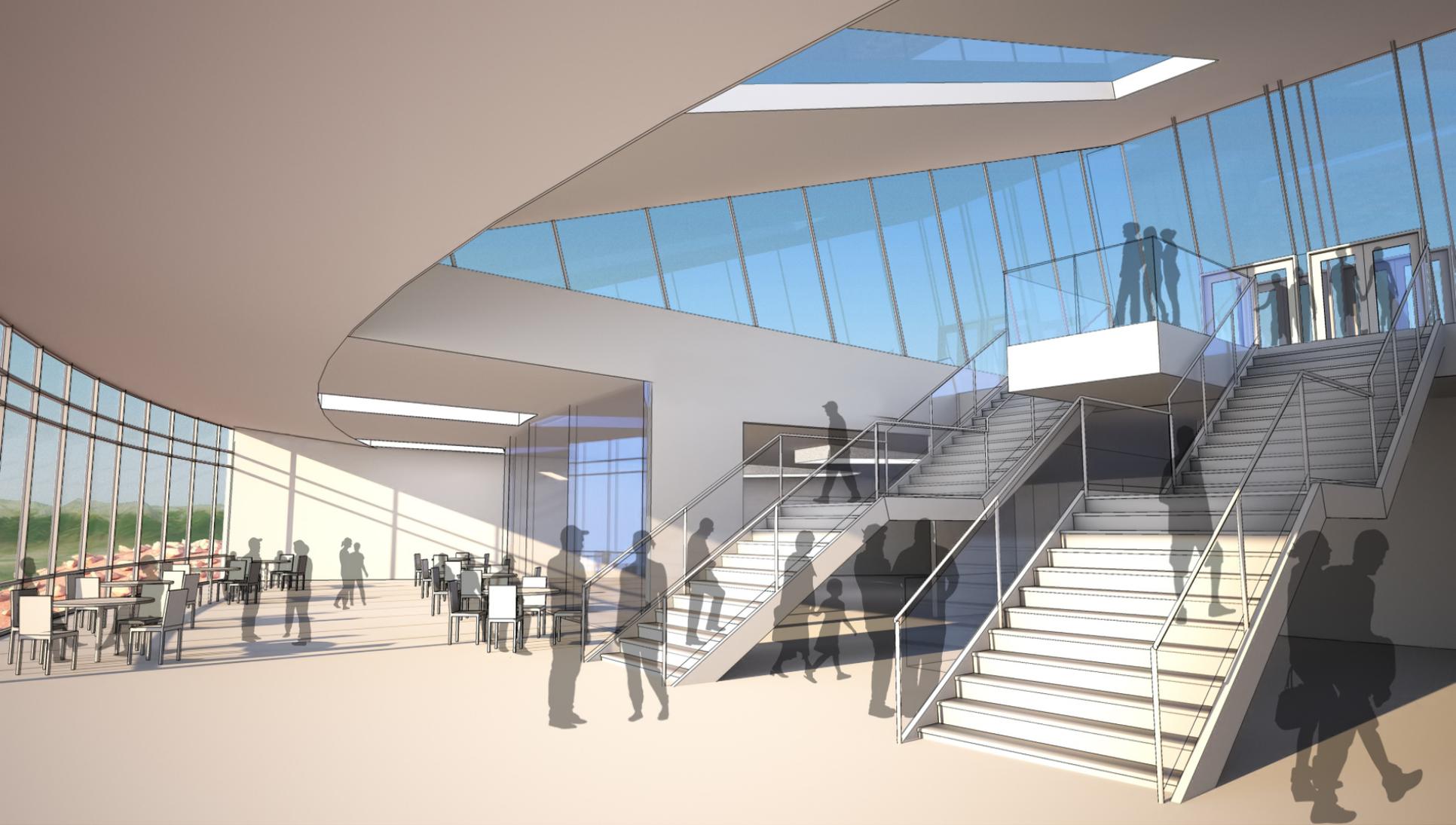
Pikes Peak Summit Complex – Option 1



Aerial View Toward Peak



Vehicular Approach



Cog Entrance/Lower Lobby

PRO

- **Minimal visual disruption** of the summit.
- Being built into the mountain is a tremendous advantage, as it would be **protected from the elements**.
- I like the **large rooftop overview**...allows for a **better outdoor experience** for more people.
- I like the idea of **keeping the peak more natural** (and less commercial), while still having a **dramatic, modern indoor viewing area**.

CON

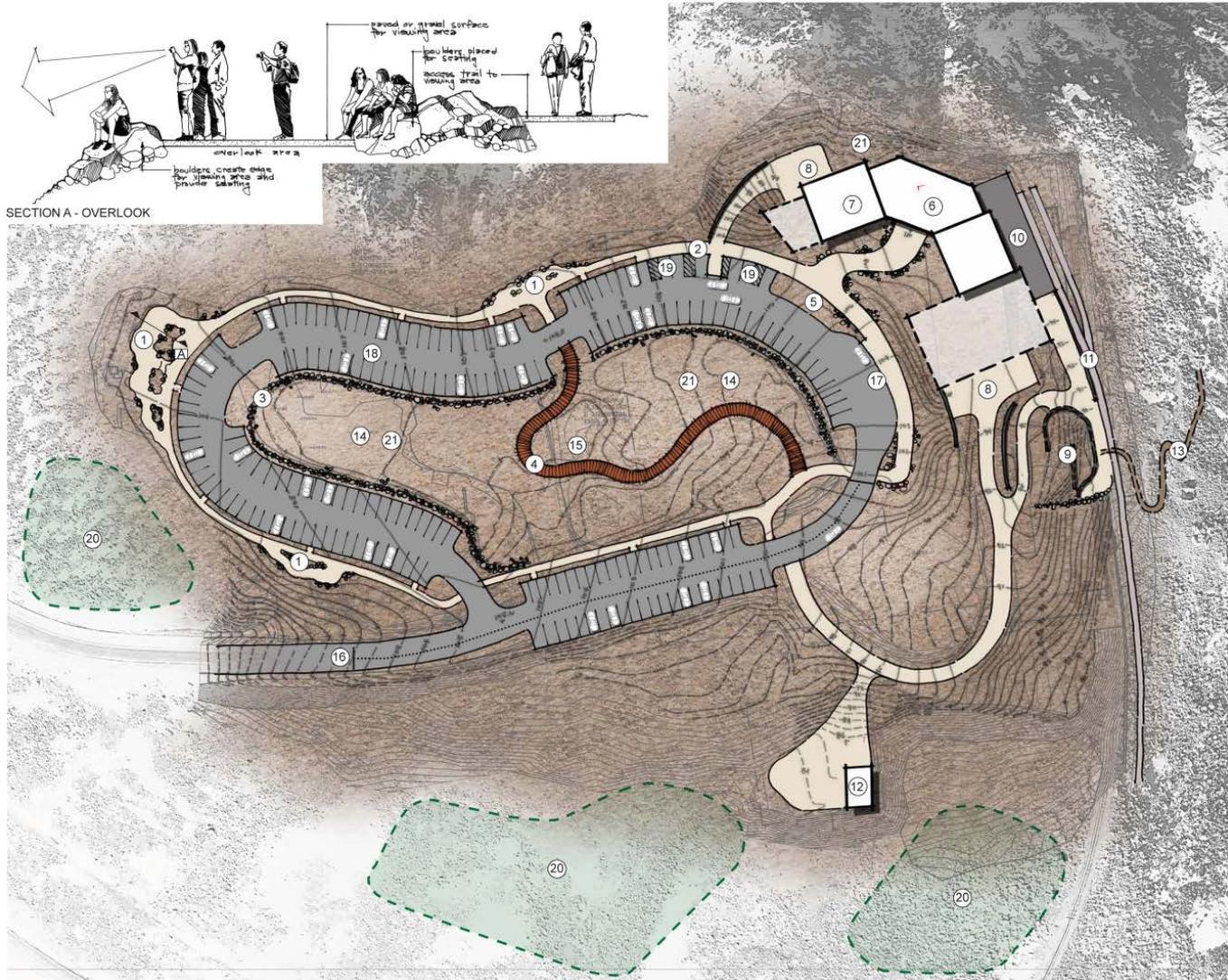
- The **circular floor layout** is rather inefficient.
- Non-mountain people **might not think it's developed enough**.
- Seems as if the **views are not as good from the inside**.
- **Lack of outdoor dining** areas on the roof area.

Option 2: The Outcropping





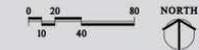
SECTION A - OVERLOOK



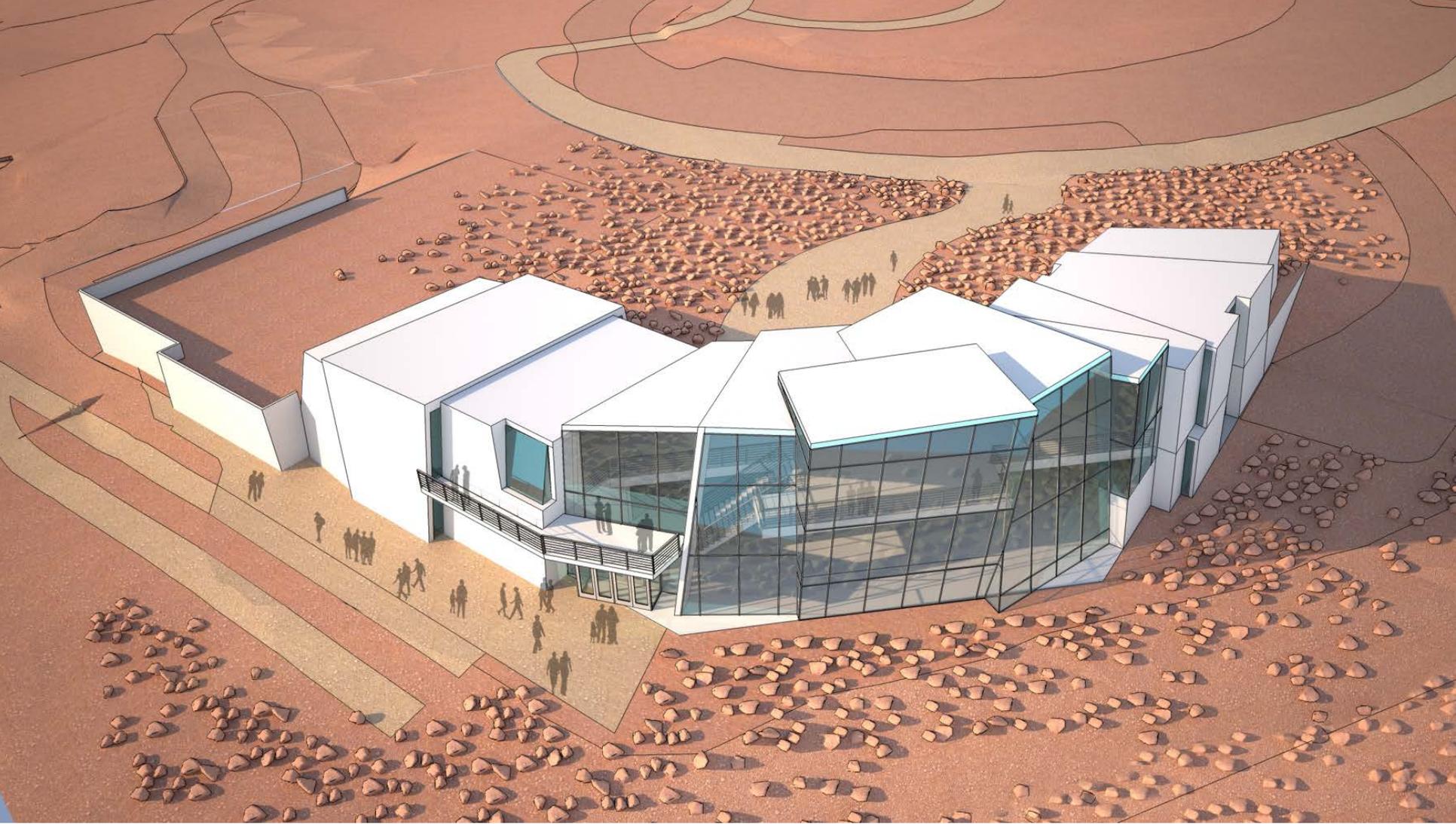
- LEGEND**
- 1 OVERLOOK
 - 2 INTERPRETIVE LOOP
 - 3 BOULDER WALL
 - 4 STEEL BOARDWALK
 - 5 POSSIBLE MICROCLIMATE ALPINE TUNDRA 'COLD FRAMES'
 - 6 SUMMIT HOUSE
 - 7 PLANT
 - 8 SERVICE ACCESS
 - 9 HISTORIC SUMMIT HOUSE FACADE
 - 10 COG PLATFORM
 - 11 COG RAIL
 - 12 COMMUNICATION TOWER
 - 13 BARR TRAIL
 - 14 BOULDER FIELDS
 - 15 APPROXIMATE SUMMIT LOCATION
 - 16 PIKES PEAK INTERNATIONAL HILL CLIMB FINISH LINE / 500' RACE RUNOUT
 - 17 DROP OFF
 - 18 PERMANENT PARKING
 - 19 ACCESSIBLE PARKING STALLS
 - 20 UNDISTURBED PLANT COVER
 - 21 RECLAIMED ALPINE TUNDRA

PARKING TABULATION

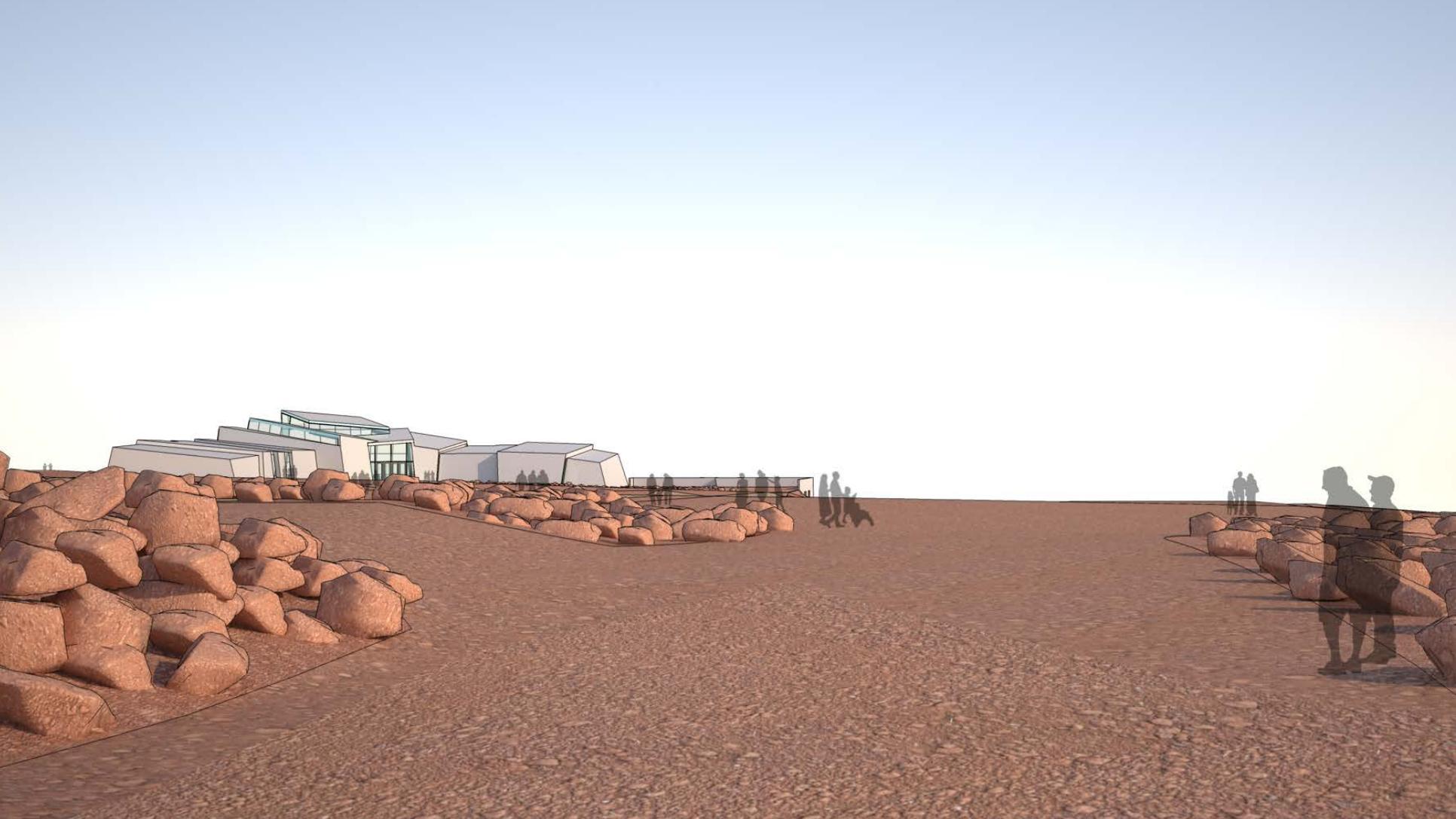
EXISTING PARKING	±206
PROPOSED PARKING	198
(TWO WAY 90 DEGREE PERMANENT)	(191)
(TWO WAY 90 DEGREE OVERFLOW)	(0)
(ABA - 90 DEGREE)	(7)
STAFF	14
SHUTTLE BUS	0
FUEL EFFICIENT	TBD
TOUR BUS	0



Pikes Peak Summit Complex - Option 2



Aerial View Toward Peak



Vehicular Approach



Lobby - View looking Northeast

PRO

- The inspiration of the stone outcropping is nicely reflected in the design. **Blends well** with the top of the mountain.
- Probably the best of the designs in terms of providing a **large dramatic indoor viewing area** for those who don't want to be out in the cold and wind.
- **Dramatic** looking, **accentuates the peak** and the location.
- I liked the **natural outcropping look**.

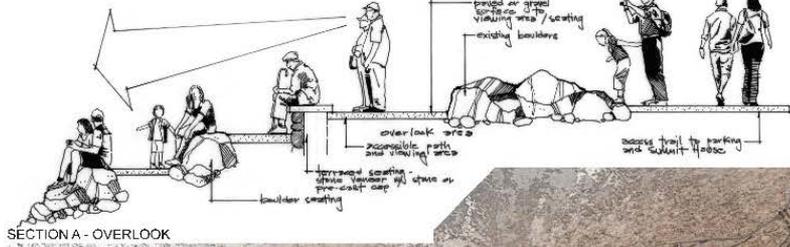
CON

- It's so **tall and blocky**. Looks too much like a **modern building**.
- Seems **too high profile** for the natural setting.
- I don't like the **multiple service accesses**.

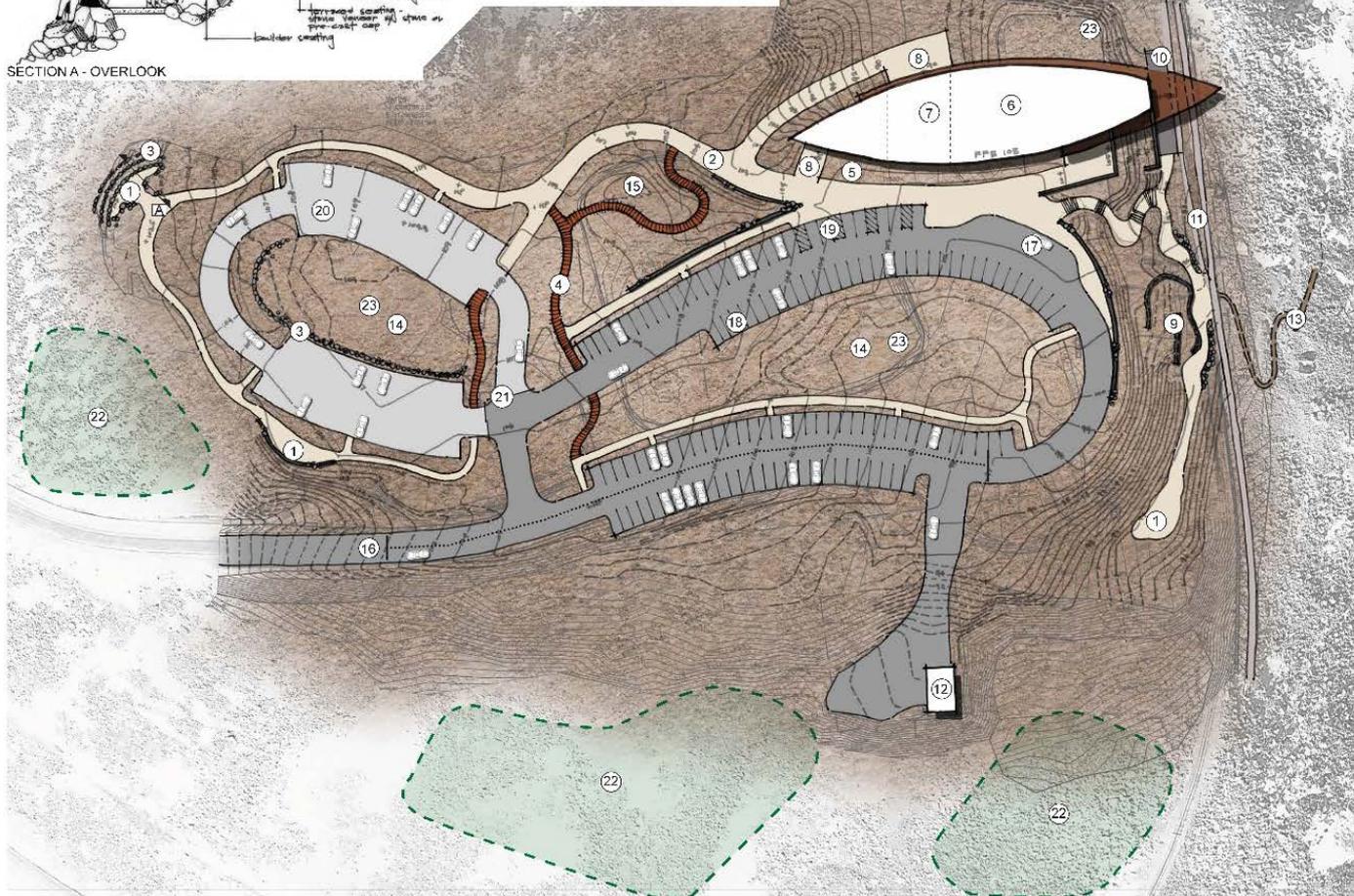
Option 3: Biomimicry – Learning from Nature



“A defense-minded flower ekes out a living at the knife edge of a lichen-encrusted block of Pike's Peak granite.”



SECTION A - OVERLOOK



LEGEND

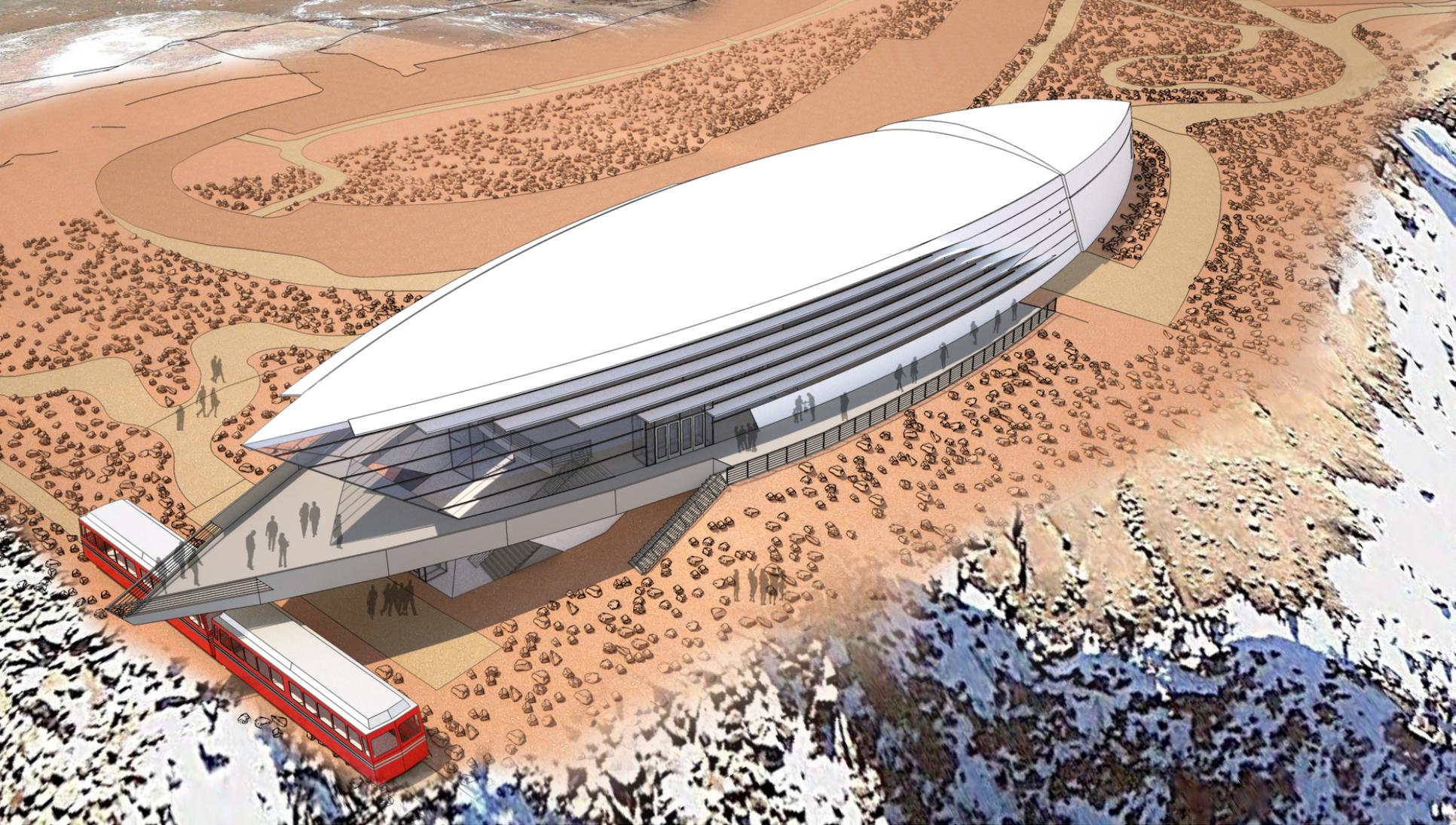
- ① OVERLOOK
- ② INTERPRETIVE LOOP
- ③ BOULDER WALL
- ④ STEEL BOARDWALK
- ⑤ POSSIBLE MICROCLIMATE ALPINE TUNDRA 'COLD FRAMES'
- ⑥ SUMMIT HOUSE
- ⑦ PLANT
- ⑧ SERVICE ACCESS
- ⑨ HISTORIC SUMMIT HOUSE FACADE
- ⑩ COG PLATFORM
- ⑪ COG RAIL
- ⑫ COMMUNICATION TOWER
- ⑬ BARR TRAIL
- ⑭ BOULDER FIELDS
- ⑮ APPROXIMATE SUMMIT LOCATION
- ⑯ PIKES PEAK INTERNATIONAL HILL CLIMB FINISH LINE / 500' RACE RUNOUT
- ⑰ DROP OFF
- ⑱ PERMANENT PARKING
- ⑲ ACCESSIBLE PARKING STALLS
- ⑳ OVERFLOW PARKING
- ㉑ GATE
- ㉒ UNDISTURBED PLANT COVER
- ㉓ RECLAIMED ALPINE TUNDRA

PARKING TABULATION

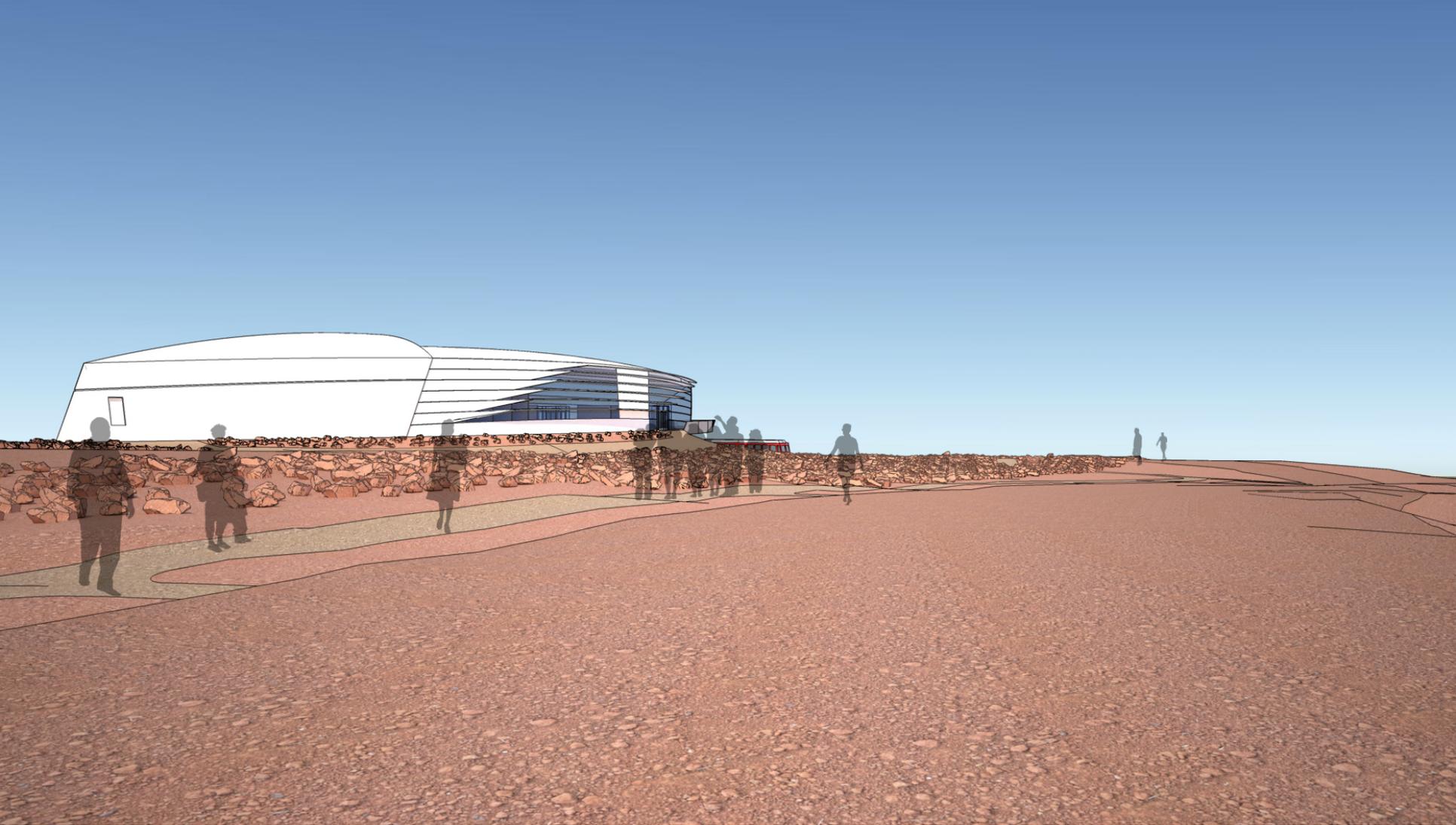
EXISTING PARKING	±206
PROPOSED PARKING	197
(TWO WAY 90 DEGREE PERMANENT)	(119)
(TWO WAY 90 DEGREE OVERFLOW)	(70)
(ACCESSIBLE - 90 DEGREE)	(8)
STAFF	14
SHUTTLE BUS	0
FUEL EFFICIENT	TBD
TOUR BUS	0



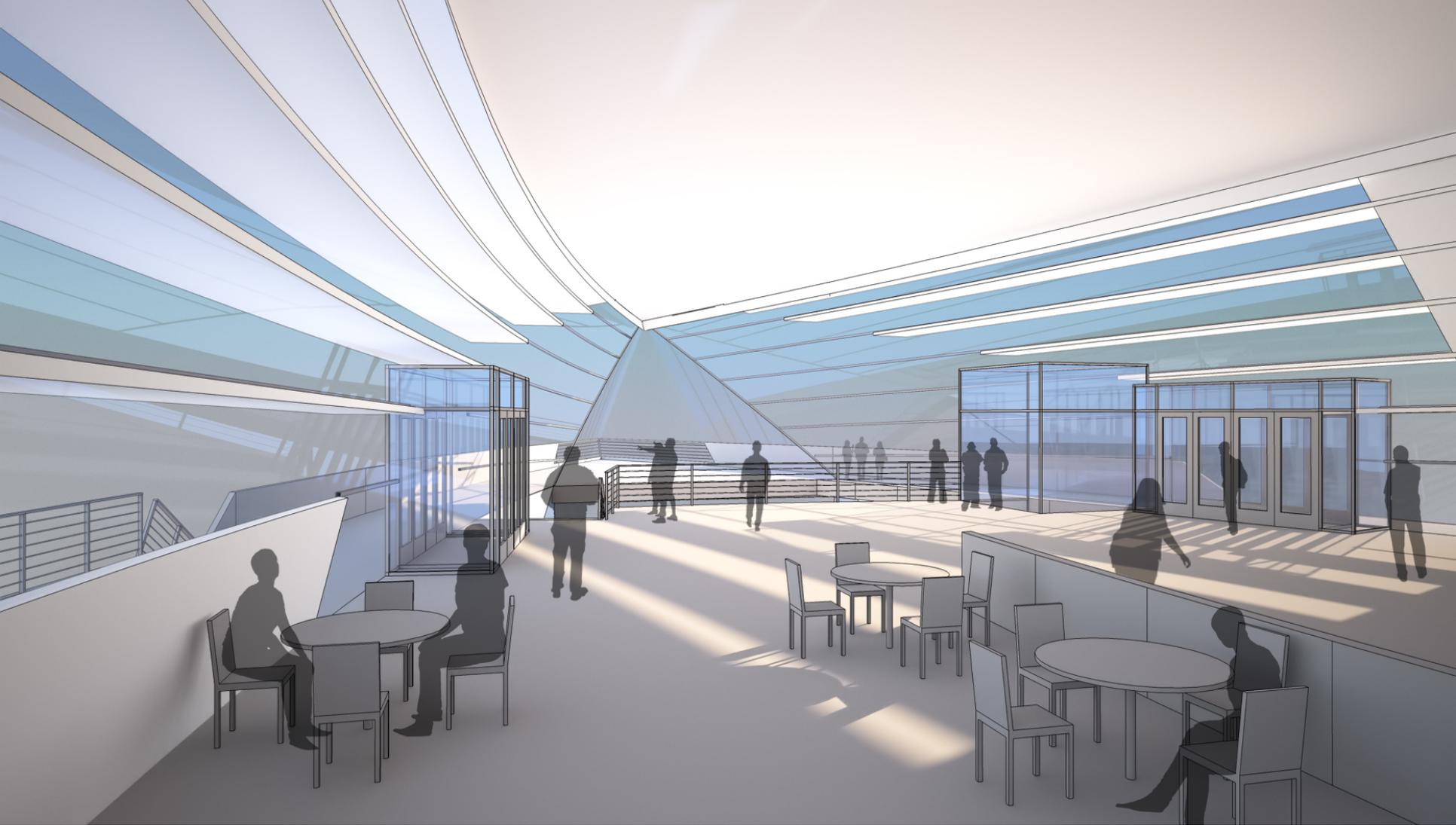
Pikes Peak Summit Complex - Option 3



Aerial View Toward Peak



Vehicular Approach



Lobby - View Looking East

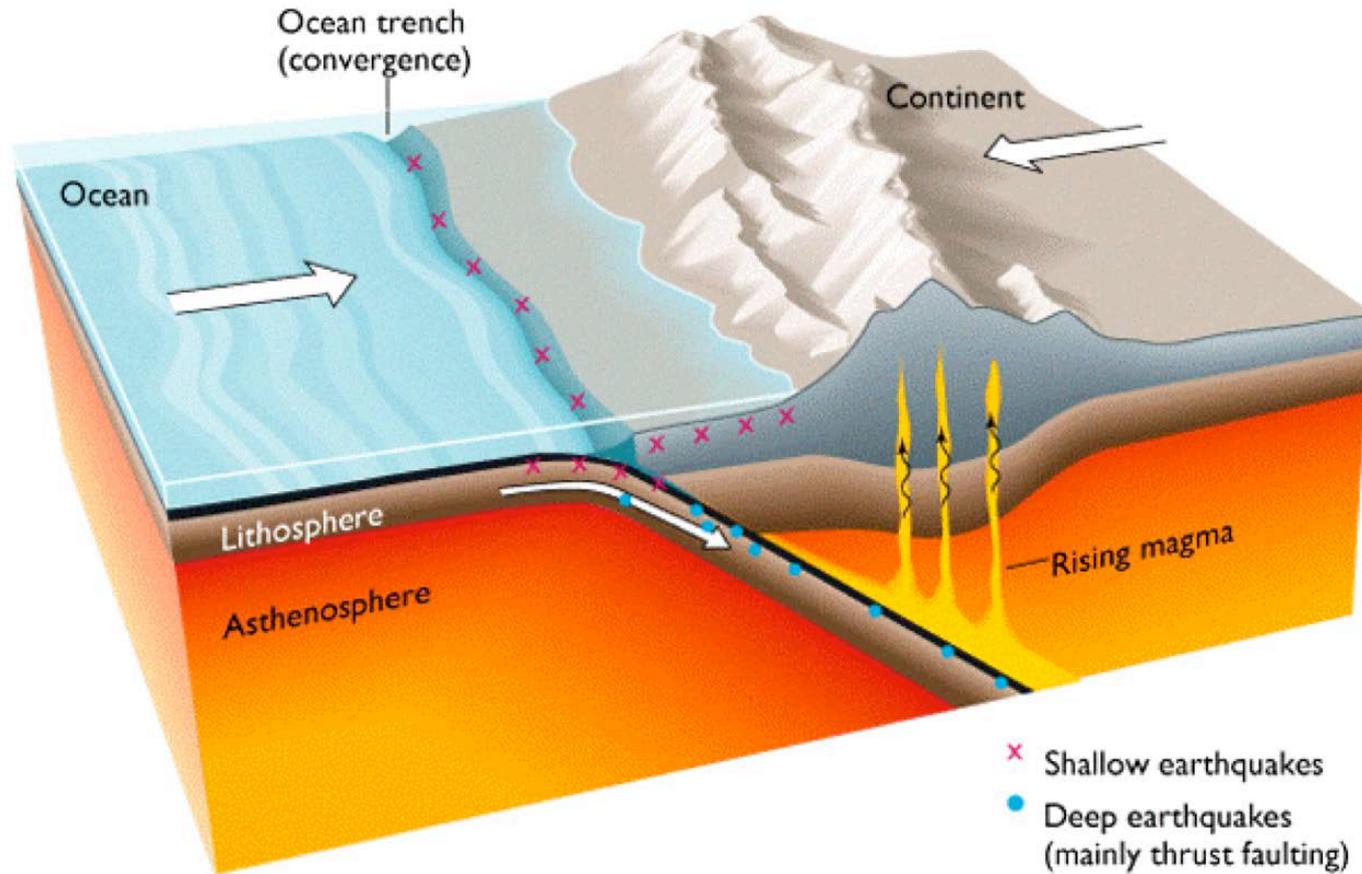
PRO

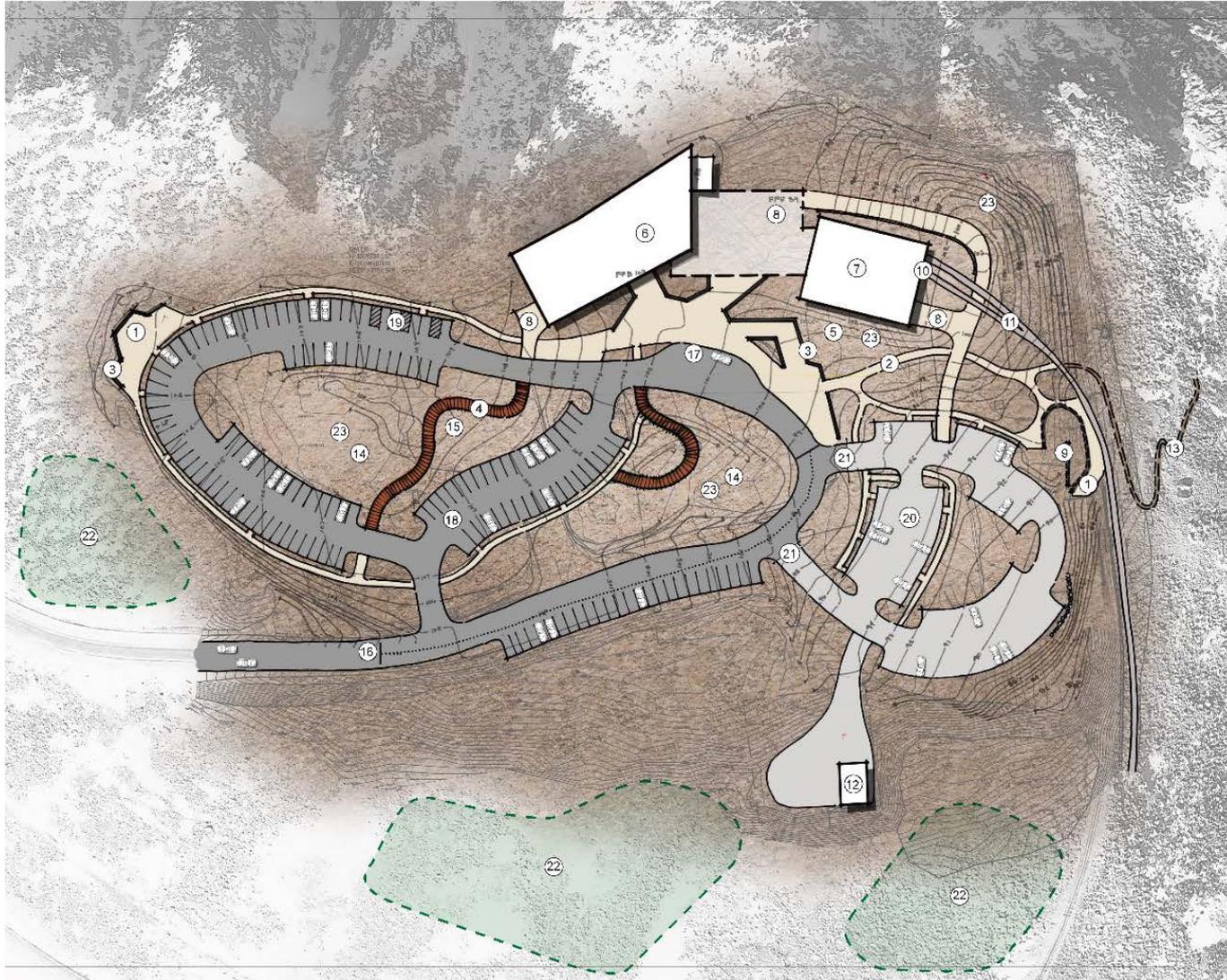
- It looks **modern, sleek and smooth**. It is **impressive**.
- **Good aerodynamics** for prevailing west wind.
- **Bold** and practical **modern design**.
- It's obviously a destination and **suitable for a national landmark**.

CON

- The building is the most contrived of all the design concepts and is the **most likely to look dated** in future decades.
- There's **not enough glass** to exploit the 360 degree views.
- **Don't like the shape** of the structure.

Option 4: Geomorphology

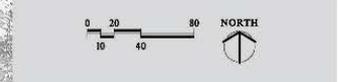




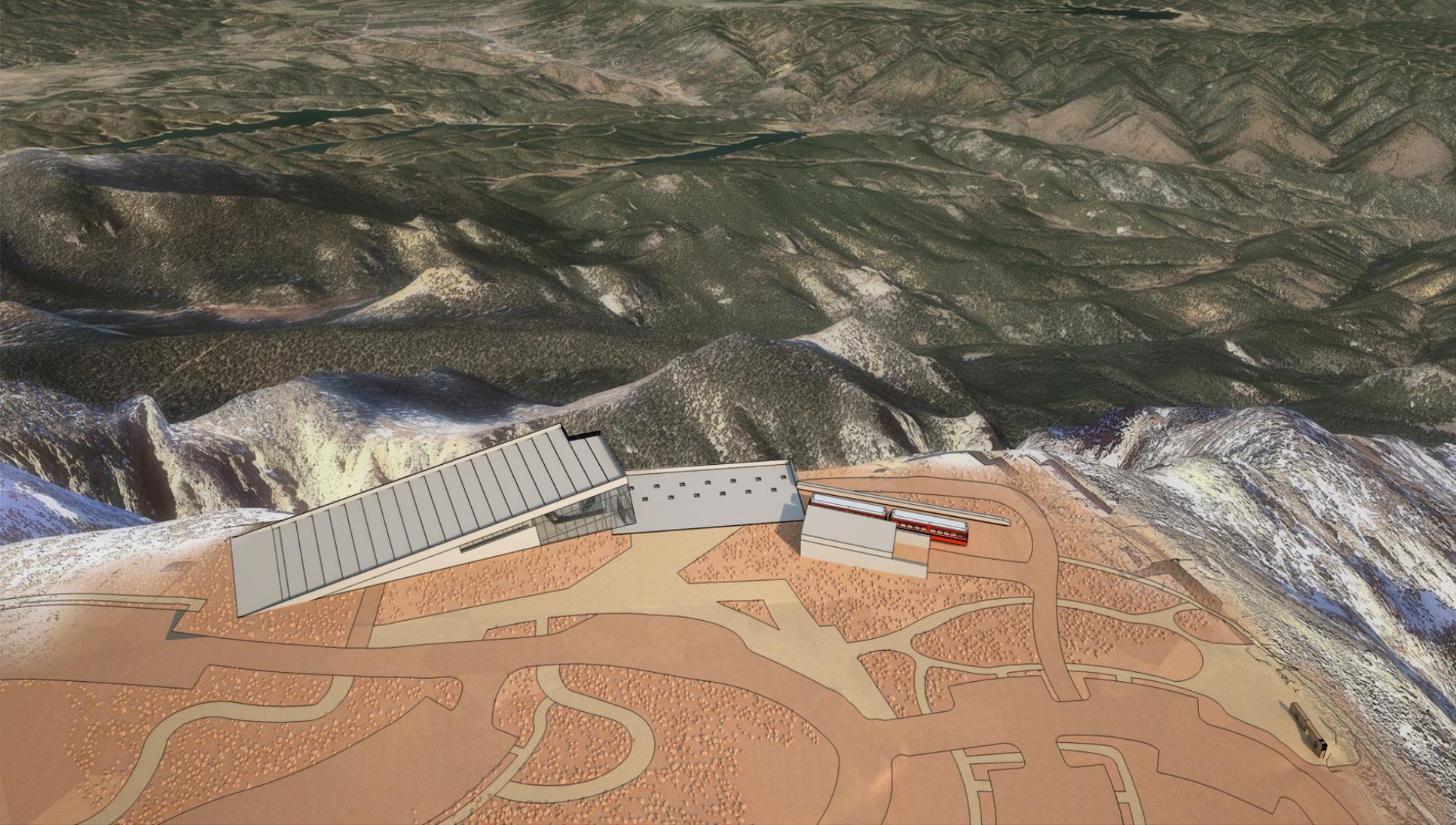
- LEGEND**
- ① OVERLOOK
 - ② INTERPRETIVE LOOP
 - ③ BOULDER WALL
 - ④ STEEL BOARDWALK
 - ⑤ POSSIBLE MICROCLIMATE ALPINE TUNDRA 'COLD FRAMES'
 - ⑥ SUMMIT HOUSE
 - ⑦ PLANT
 - ⑧ SERVICE ACCESS
 - ⑨ HISTORIC SUMMIT HOUSE FACADE
 - ⑩ COG TERMINAL
 - ⑪ COG RAIL
 - ⑫ COMMUNICATION TOWER
 - ⑬ BARR TRAIL
 - ⑭ BOULDER FIELDS
 - ⑮ APPROXIMATE SUMMIT LOCATION
 - ⑯ PIKES PEAK INTERNATIONAL HILL CLIMB FINISH LINE / 500' RACE RUNOUT
 - ⑰ DROP OFF
 - ⑱ PERMANENT PARKING
 - ⑲ ACCESSIBLE PARKING STALLS
 - ⑳ OVERFLOW PARKING
 - ㉑ GATE
 - ㉒ UNDISTURBED PLANT COVER
 - ㉓ RECLAIMED ALPINE TUNDRA

PARKING TABULATION

EXISTING PARKING	±206
PROPOSED PARKING	225
(TWO WAY 90 DEGREE PERMANENT)	(151)
(TWO WAY 90 DEGREE OVERFLOW)	(68)
(ACCESSIBLE - 90 DEGREE)	(6)
STAFF	14
SHUTTLE BUS	0
FUEL EFFICIENT	TBD
TOUR BUS	0



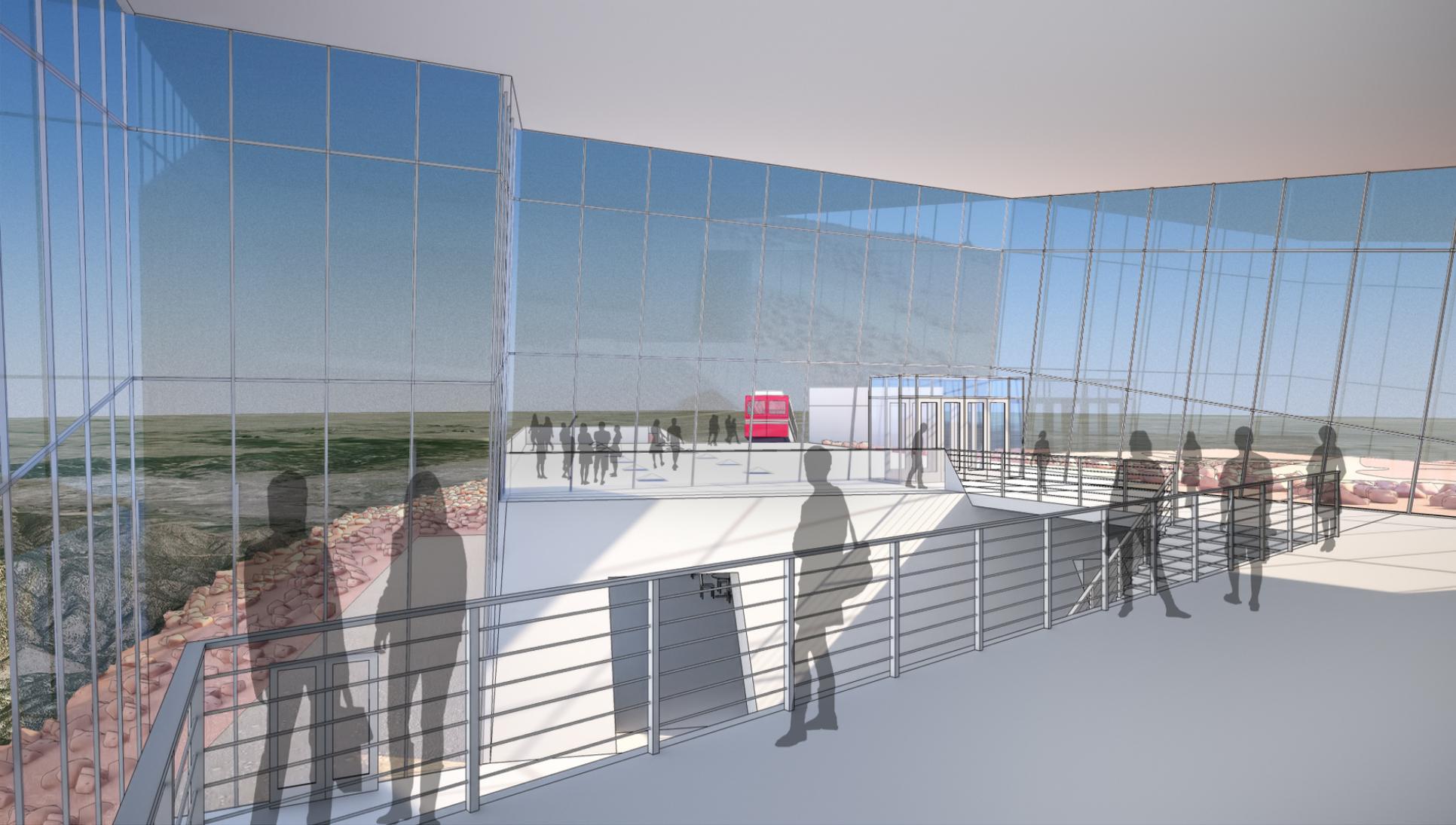
Pikes Peak Summit Complex - Option 4



Aerial View Looking North



Vehicular Approach



Lobby - View Looking East

PRO

- Offers a **sense of balance** whether arriving by train or auto. I love the separate overlooks.
- I like the idea of “**emerging from the earth.**” The expansive lobby should **offer great views** and would be a place to enjoy on days with marginal weather or if the weather suddenly turned bad.
- I like the **large windows** and **openness** of it.
- Has an **understated quality** about it, and **fits well with the setting.**

CON

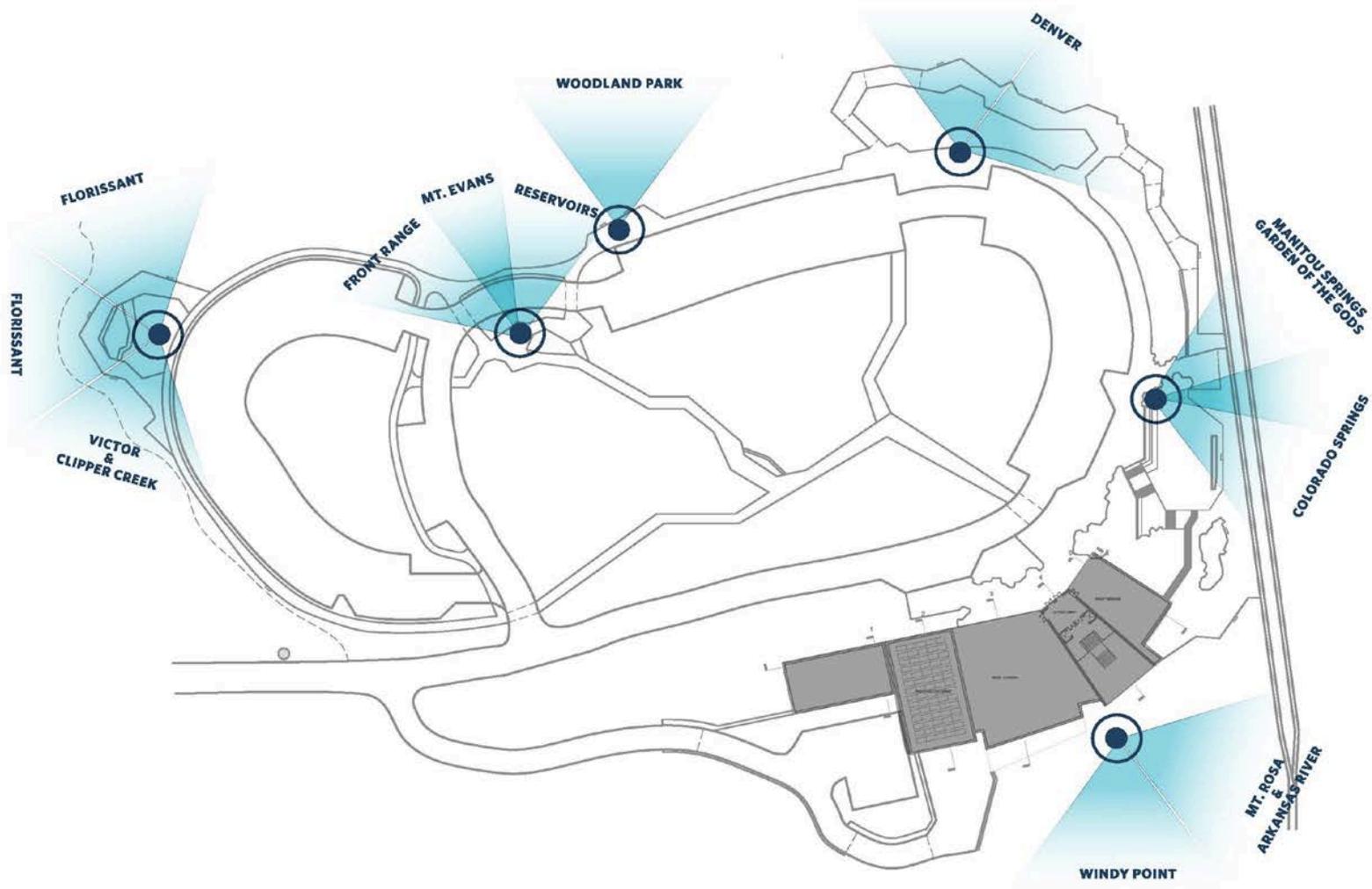
- If the building would be unseen from Colorado Spring, then **Colorado Springs would be unseen** from the building.
- High profile. Better if it could be **built a little deeper into the mountain.**
- It has **too many concrete walls.**
- Multiple service access should be minimized for **efficiency and environmental impact.**

MOVING FORWARD:

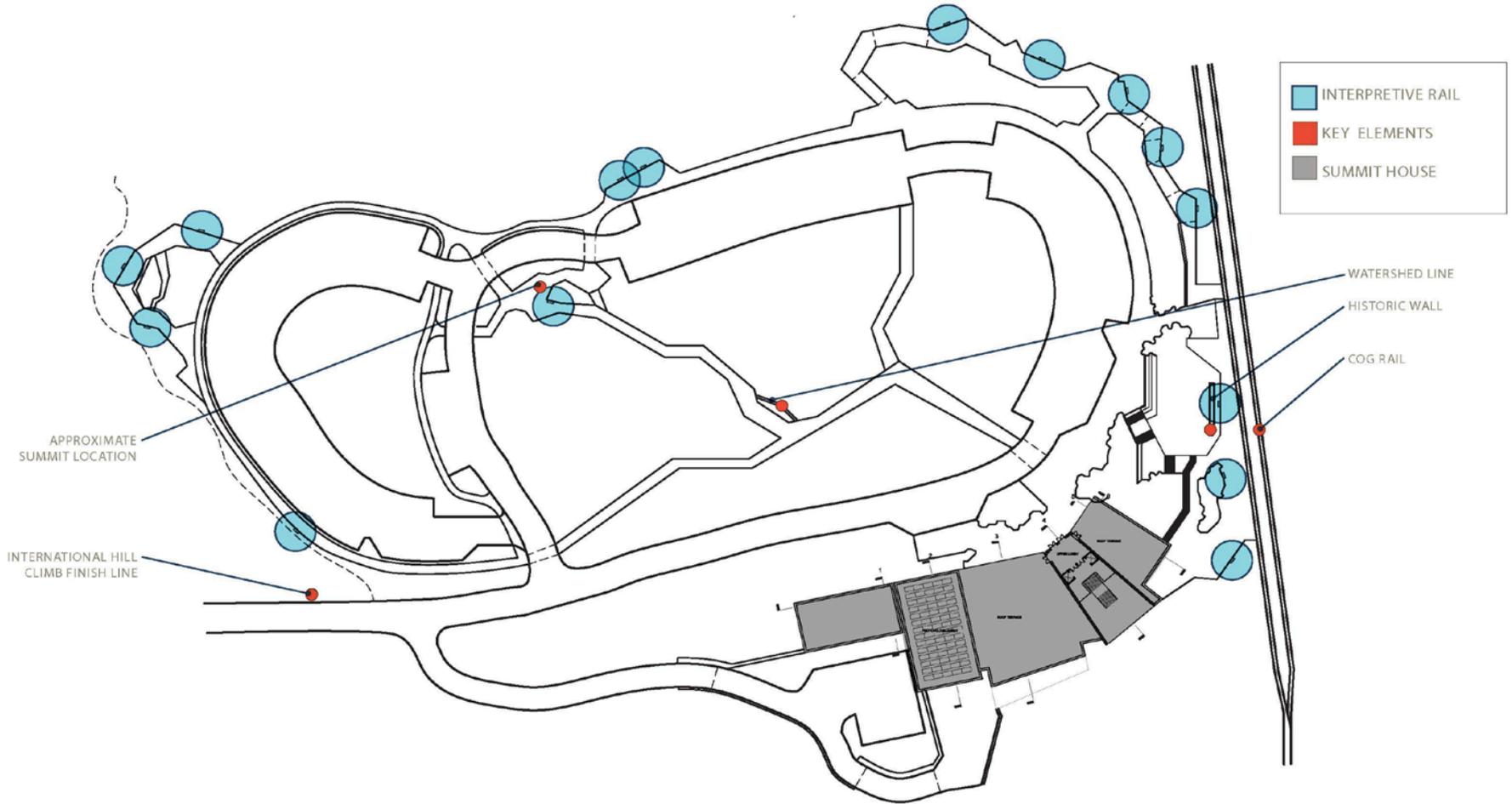
- Experience
- Environment
- Operations

CHALLENGE:

Finding the *perfect balance* between a *dynamic building* that presents a clear destination to visitors and a *minimalist structure* deferential to the Peak and its majestic views.



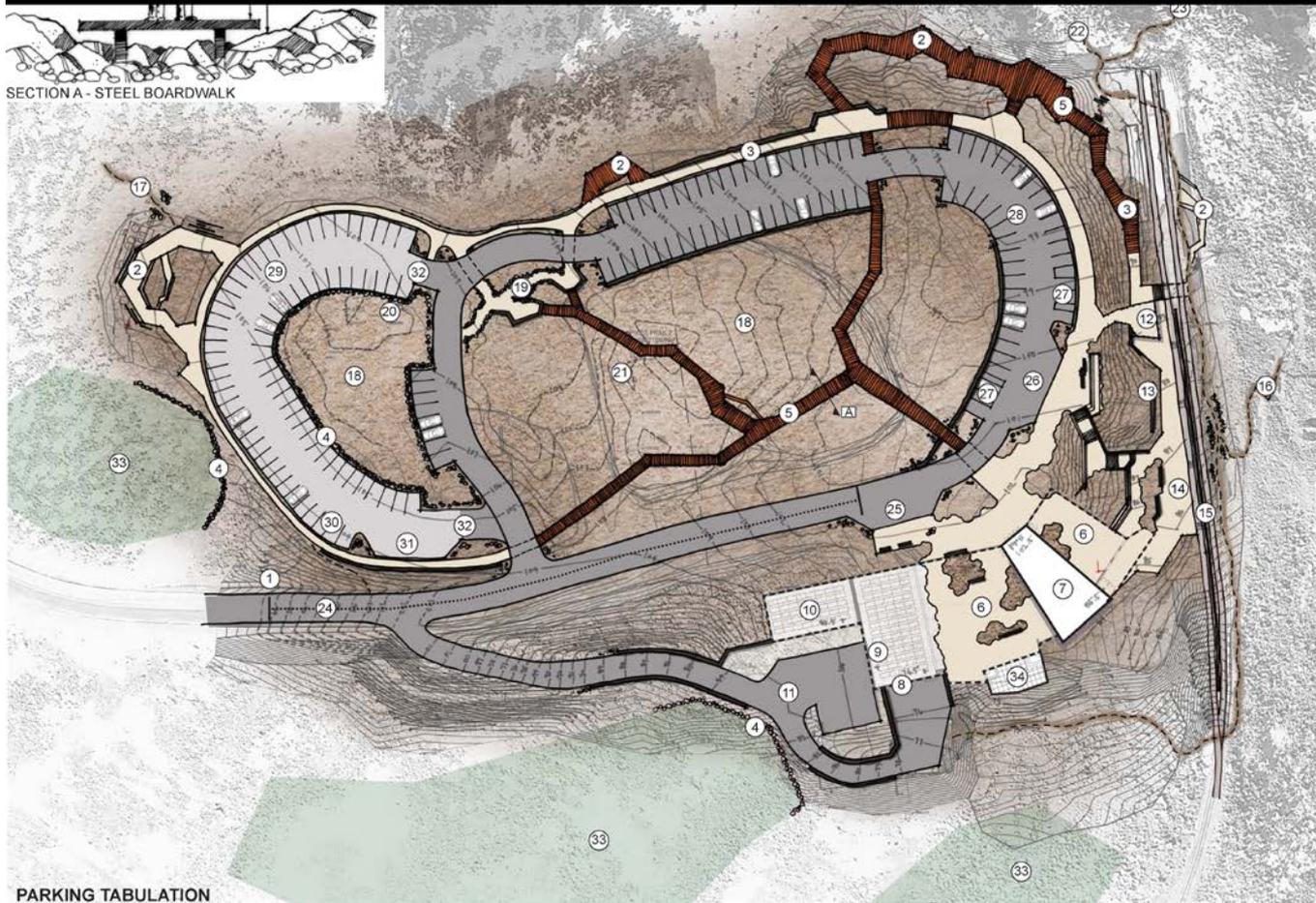
Site Plan: Key Viewing Points



Site Plan: Exterior Exhibit Elements



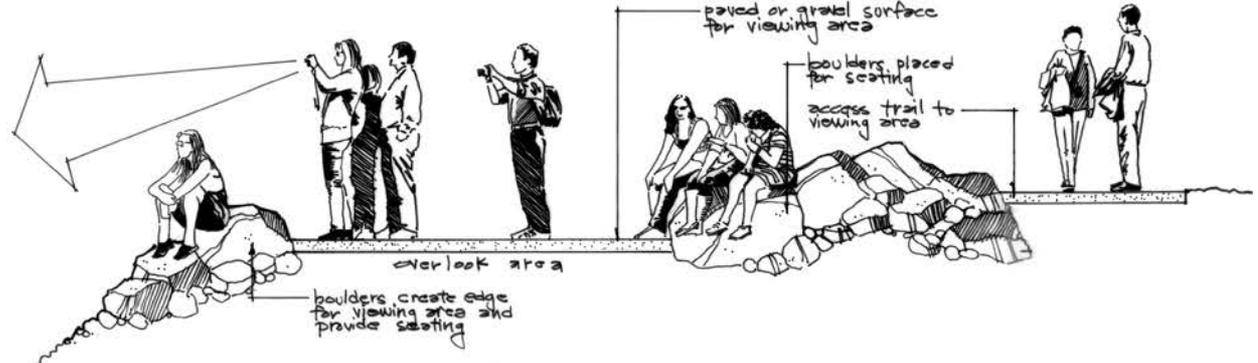
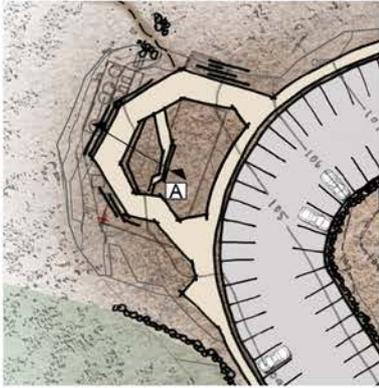
SECTION A - STEEL BOARDWALK



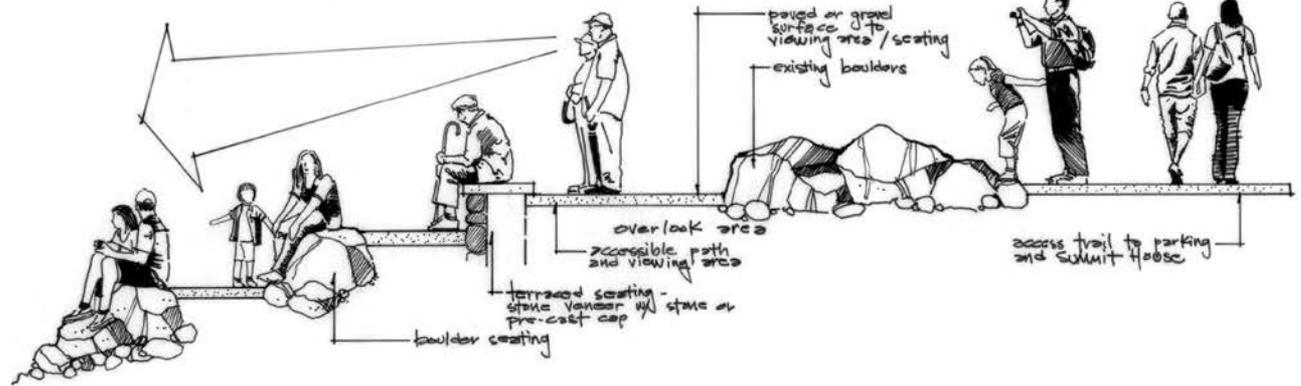
PARKING TABULATION

- LEGEND**
- ① ENTRY PORTAL
 - ② OVERLOOK
 - ③ INTERPRETIVE LOOP
 - ④ INTERPRETIVE LOOP
 - ④ BOULDER WALL
 - ⑤ STEEL ELEVATED WALK
 - ⑥ ROOFTOP TERRACE / ALPINE TUNDRA COLD FRAMES
 - ⑦ SUMMIT HOUSE
 - ⑧ CSU COMMUNICATION ANTENNAS ON BUILDING
 - ⑨ EMERGENCY SHELTER
 - ⑩ HIGH ALTITUDE RESEARCH LAB
 - ⑪ SERVICE ACCESS
 - ⑫ OVERLOOK/SHELTER
 - ⑬ HISTORIC SUMMIT HOUSE FACADE
 - ⑭ COG PLATFORM
 - ⑮ PIKES PEAK COG RAILWAY
 - ⑯ BARR TRAIL
 - ⑰ CRAGS TRAIL
 - ⑱ BOULDER FIELDS / RESTORED ALPINE TUNDRA
 - ⑲ HISTORIC SUMMIT LOCATION
 - ⑳ USGS SUMMIT MARKER
 - ㉑ HIGH ALTITUDE AIRCRAFT USACE/AF
 - ㉒ ZEBULON PIKE MEMORIAL
 - ㉓ MASONIC TABLET
 - ㉔ PIKES PEAK INTERNATIONAL HILL CLIMB FINISH LINE / 500' RACE RUNOUT
 - ㉕ VEHICULAR DROP OFF
 - ㉖ SHUTTLE DROP OFF/PICK UP
 - ㉗ ACCESSIBLE PARKING STALLS
 - ㉘ PERMANENT PARKING
 - ㉙ OVERFLOW PARKING
 - ㉚ LARGE VEHICLE PARKING
 - ㉛ SHUTTLE PARKING
 - ㉜ GATE

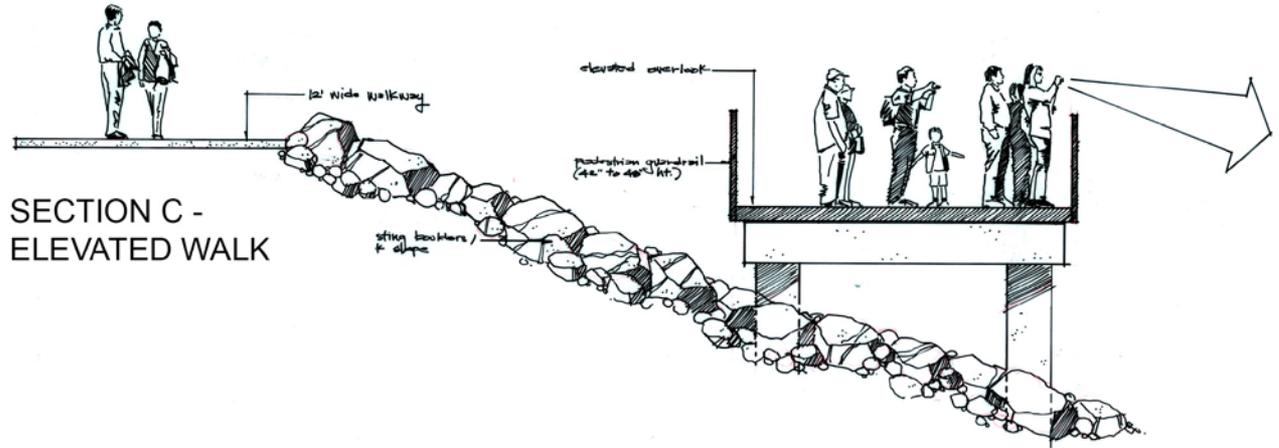
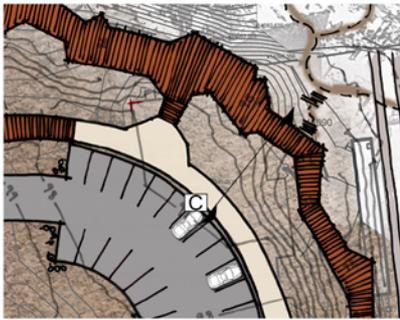
Site Layout



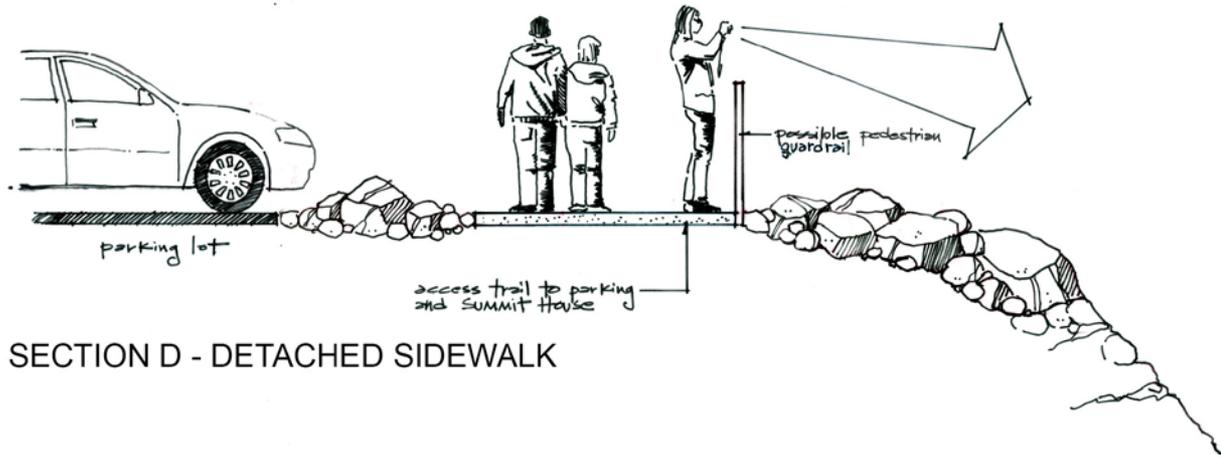
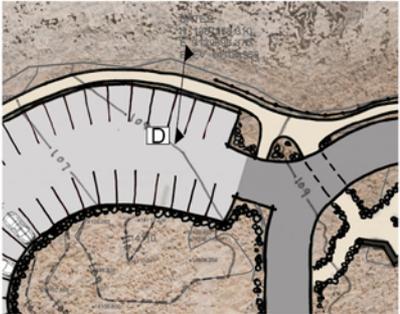
SECTION A - OVERLOOK



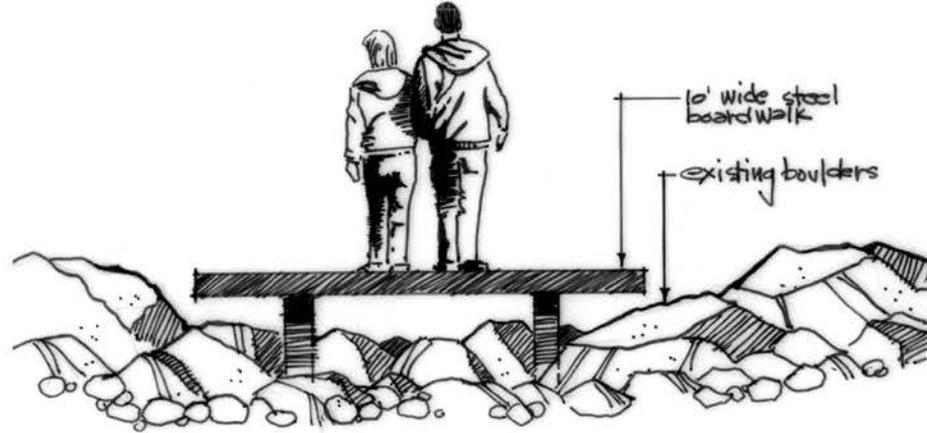
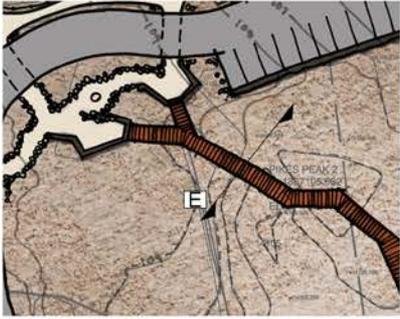
SECTION B - OVERLOOK



SECTION C -
ELEVATED WALK



SECTION D - DETACHED SIDEWALK



SECTION E - STEEL ELEVATED WALK



NATURAL BOULDERS

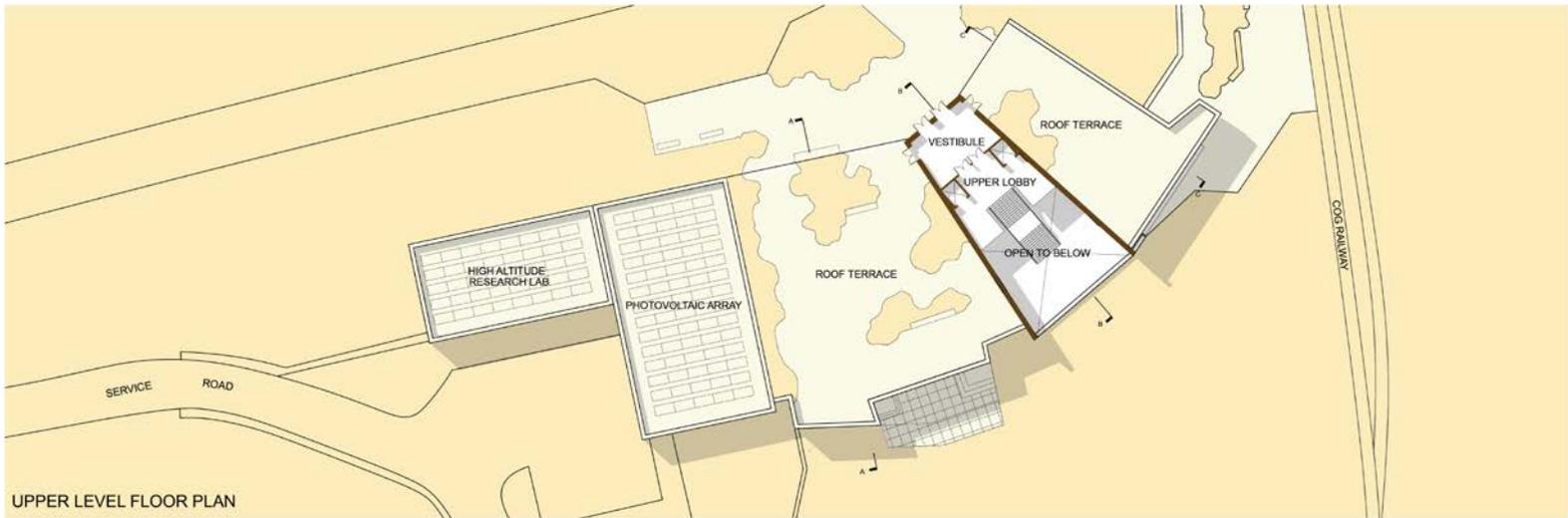


STEEL/ROCK

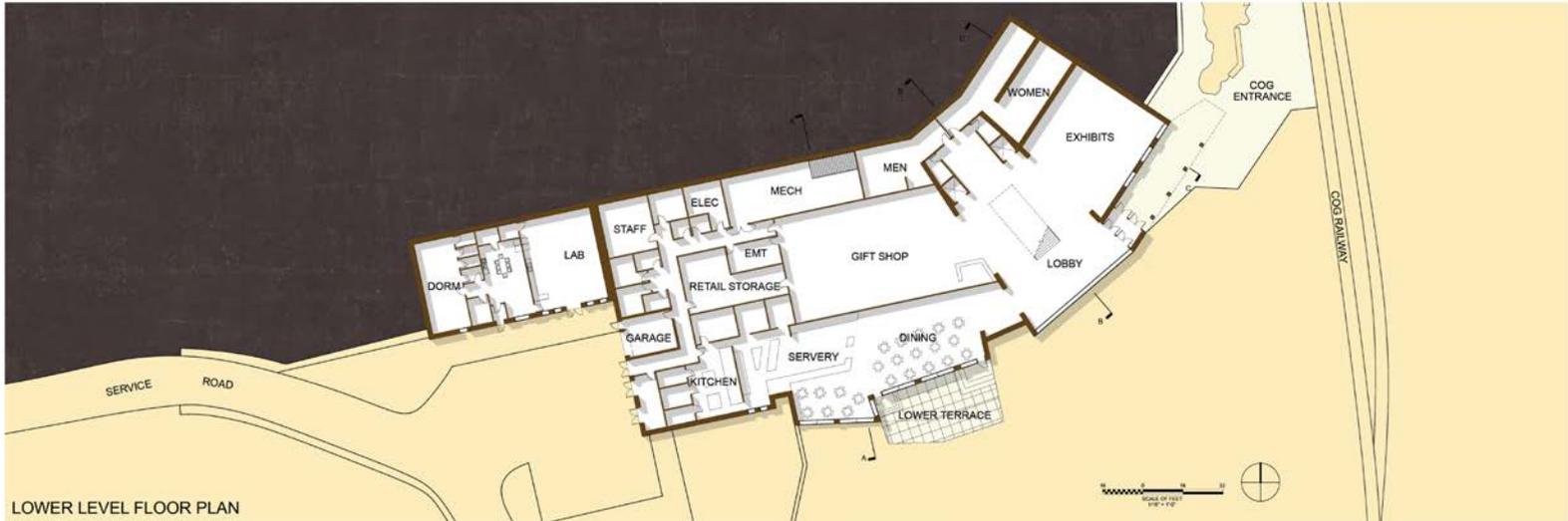


STEEL ELEVATED WALK

Sections & Materials



UPPER LEVEL FLOOR PLAN



LOWER LEVEL FLOOR PLAN

Floor Plans

PIKES PEAK | SUMMIT HOUSE EXPERIENCE

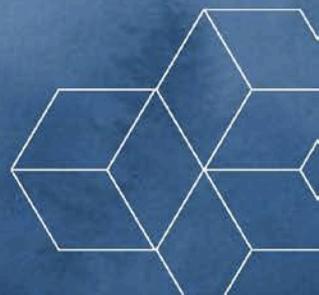


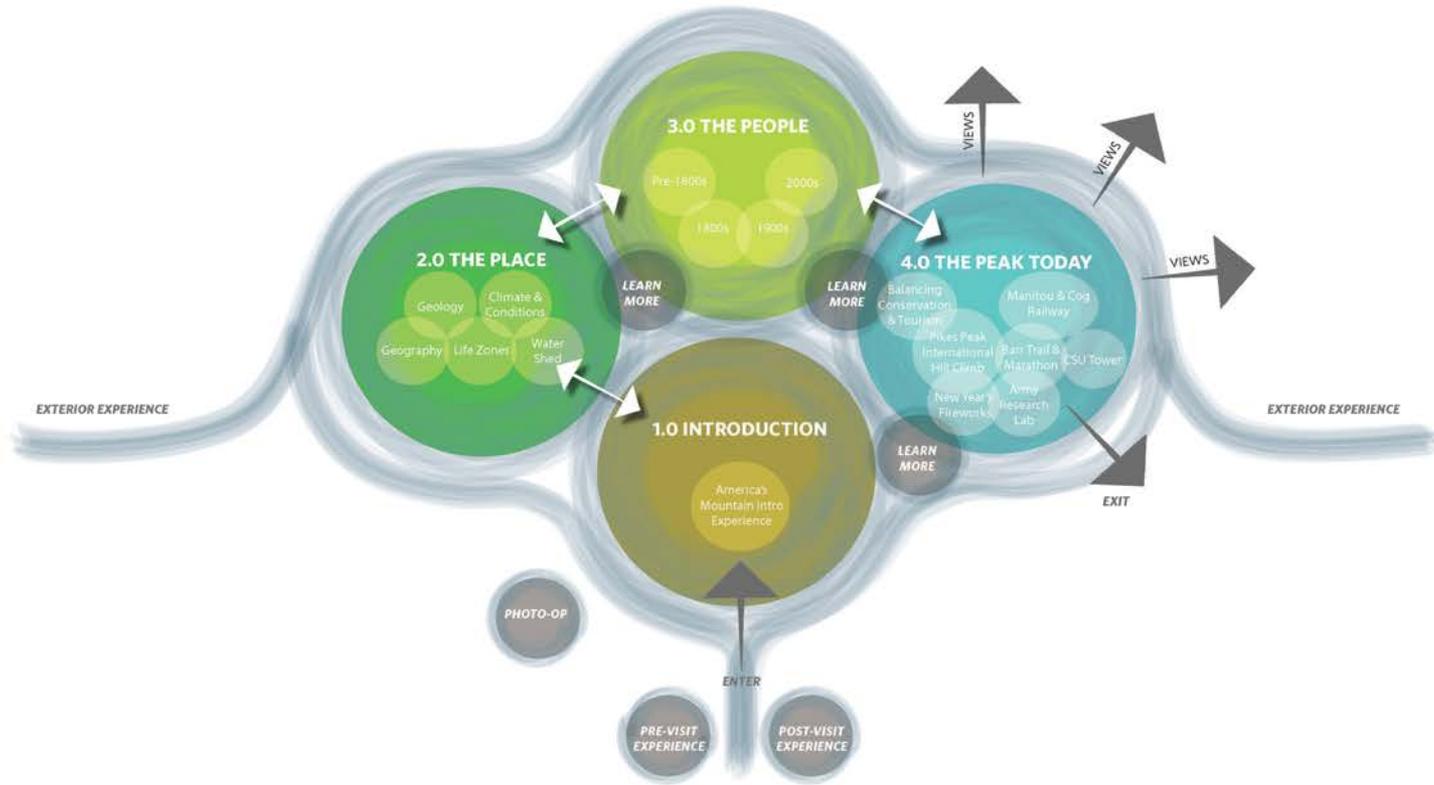


“

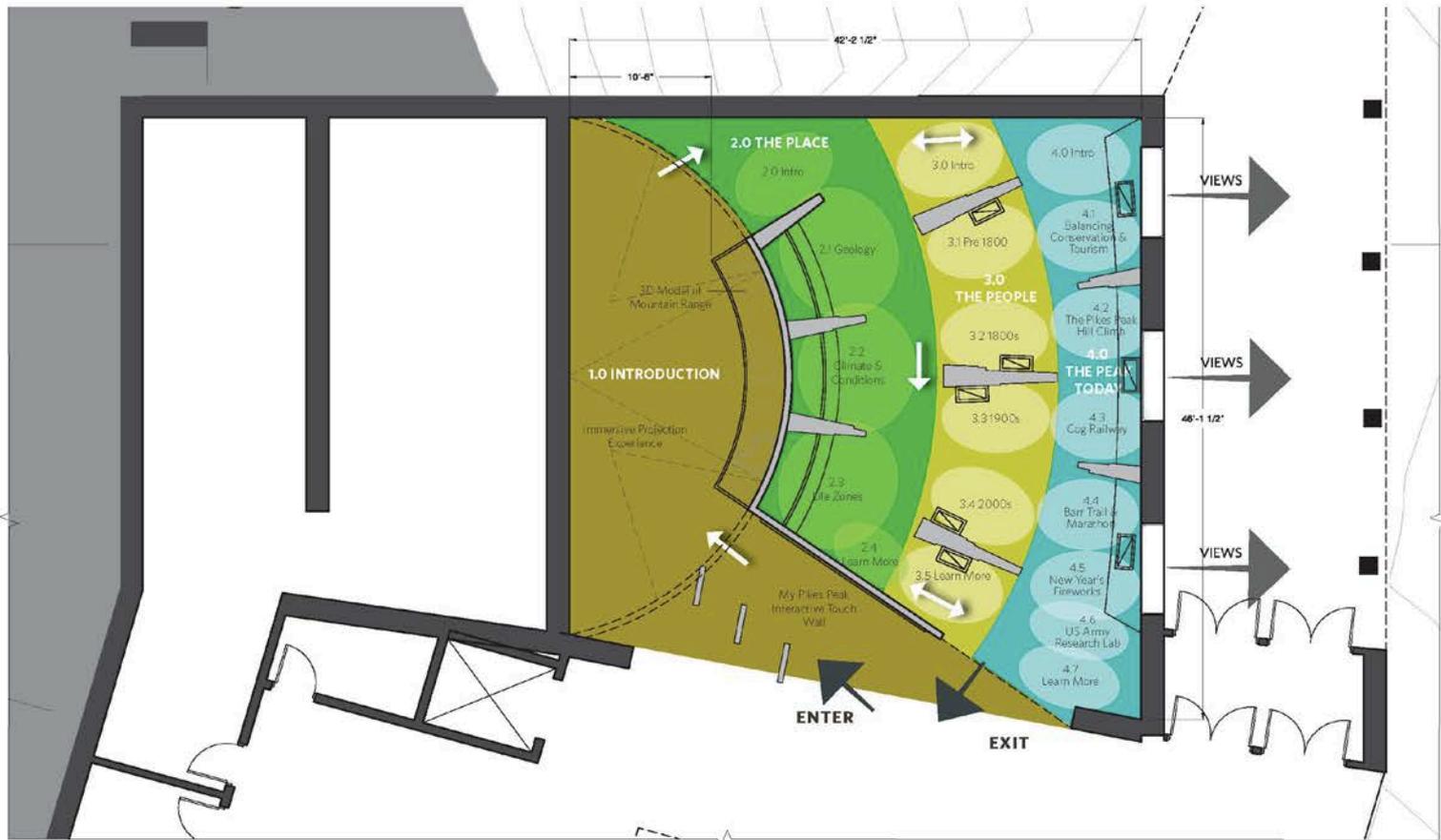
**...HERE WE FOUND THE SNOW
MIDDLE DEEP; NO SIGN OF BEAST OR
BIRD INHABITING THIS REGION...
THE SUMMIT OF THE GRAND PEAK...**

”

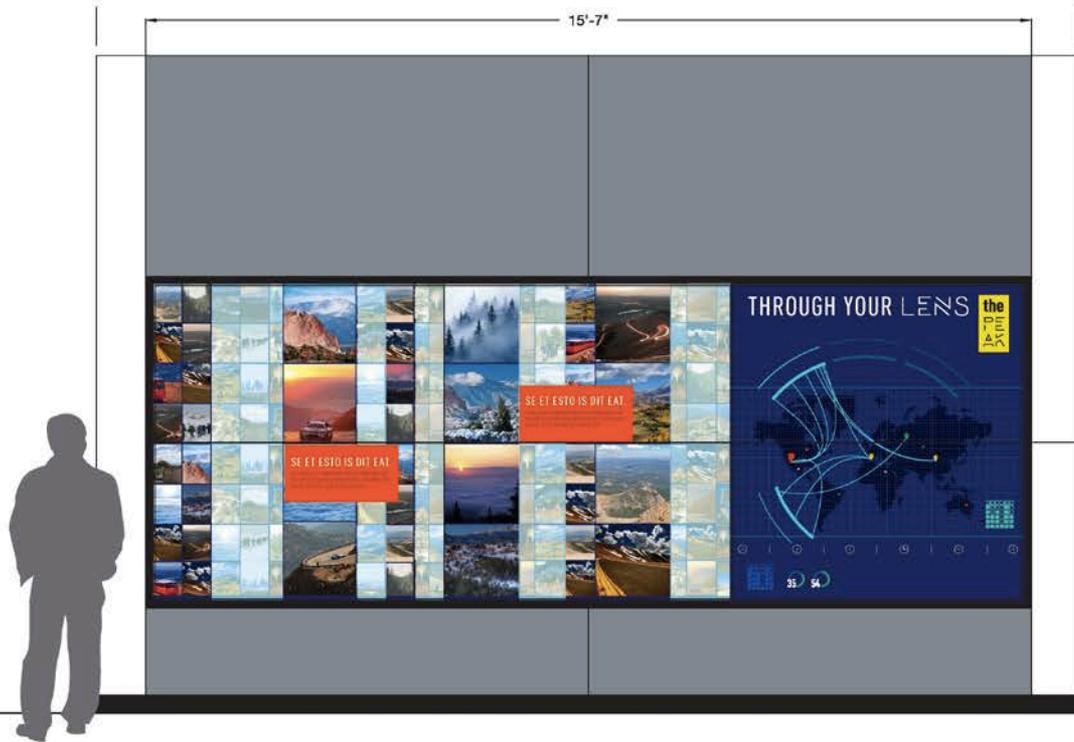
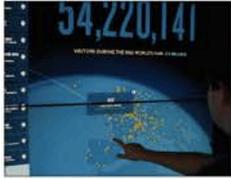




Interpretive Experience



Concept Plan



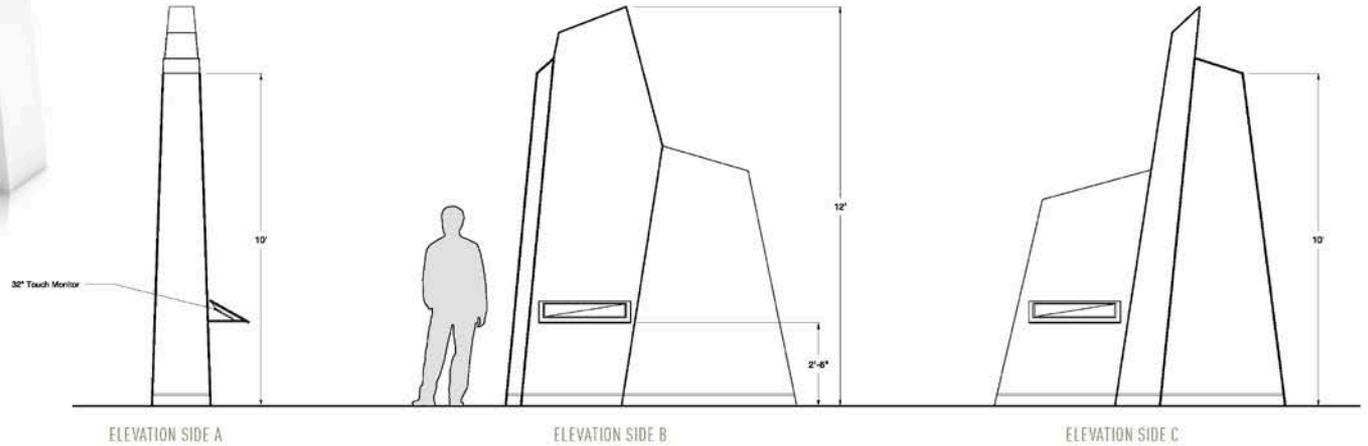
Graphic Elevation: Interactive Touch Wall



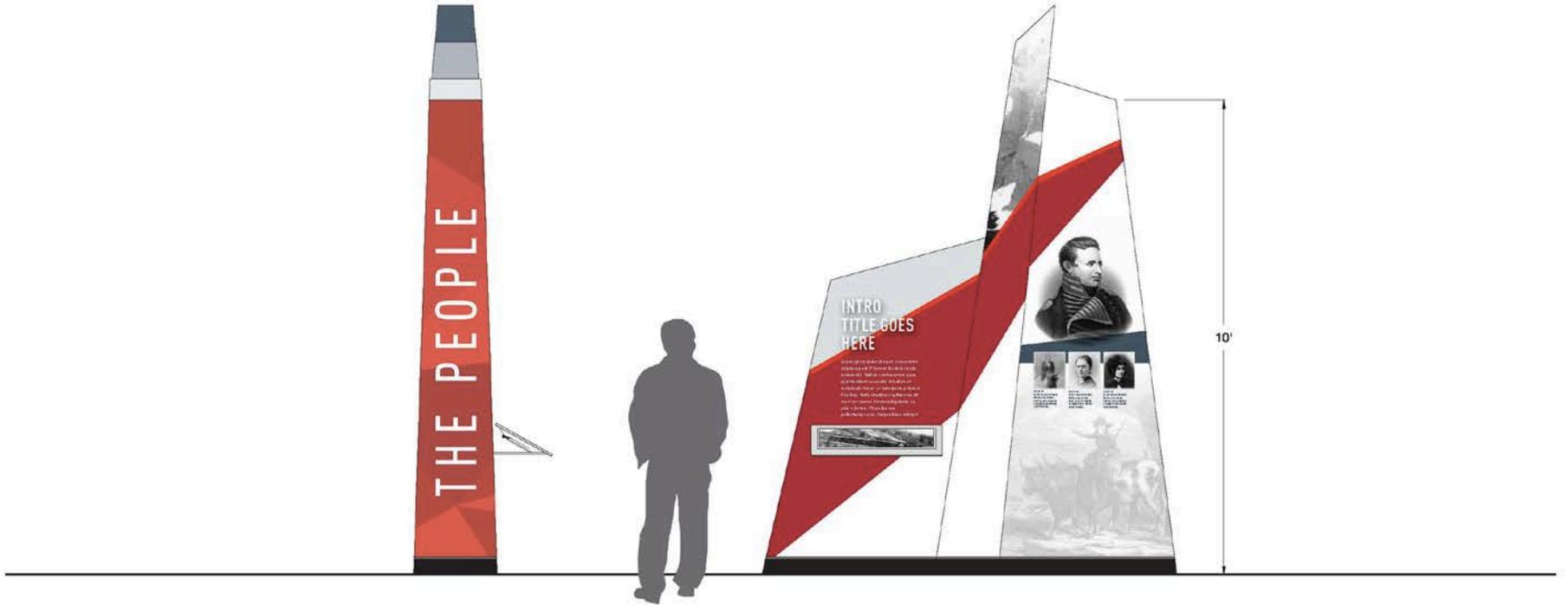
PERSPECTIVE SIDE C



PERSPECTIVE SIDE B



Elevation



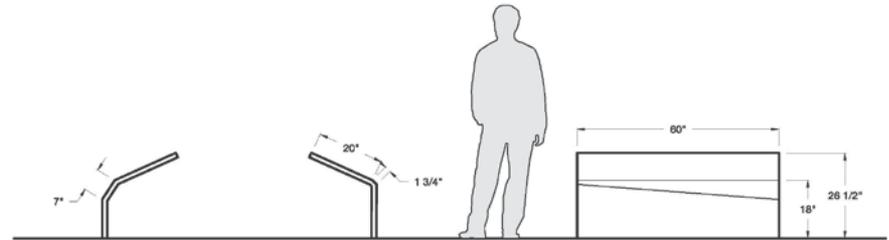
Graphic Elevation



PERSPECTIVE PYLON



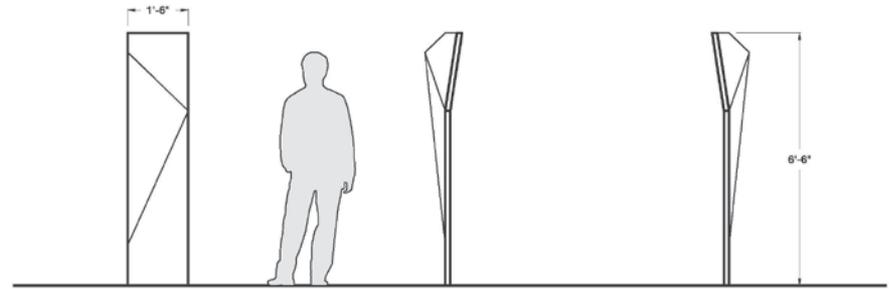
PERSPECTIVE RAIL



1 Elevation
X1.5.200 Scale: 3/8"=1'-0"

2 Elevation
X1.5.200 Scale: 3/8"=1'-0"

3 Elevation
X1.5.200 Scale: 3/8"=1'-0"



4 Elevation
X1.5.200 Scale: 3/8"=1'-0"

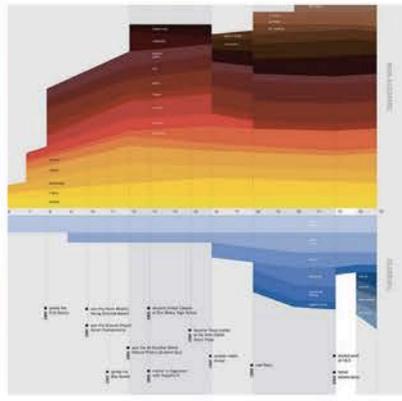
5 Elevation
X1.5.200 Scale: 3/8"=1'-0"

6 Elevation
X1.5.200 Scale: 3/8"=1'-0"

Elevation: Exterior Rails & Pylons



Indoor Image References



CLIMB A MILE AT THE CLIMBING WALL AT THE WELL WHICH IS EQUIVALENT TO ONE MILE. TOTALING SIXTY SIX LAPS PER PERSON. **Each team will have about one month to complete the challenge**

EARN THE T-SHIRT!

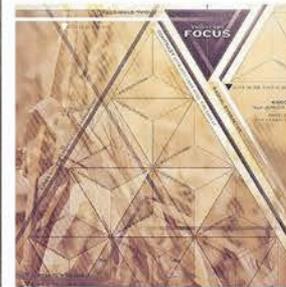
Upon registration you will get a log sheet that will be completed at the end of each climbing session. If your team completes the mile in the allotted time you will receive the Mile High Climb shirt! This is open to all Students, Faculty, & Staff at Sac State.

5 DOLLARS TO PARTICIPATE

For additional information: 916-278-1784 OR VISIT WWW.THEWELL.SCSUS.EDU



EVERYONE'S LIVES,
EVERYWHERE THEY LIVE,
EVERYWHERE THEY LIVE,
EVERYWHERE THEY LIVE,
WE SHARE THE SAME
DREAMS, THE SAME DREAMS
YOU AND I.
MELINDA FRENC



Graphic Image References



CLIMATE & CONDITIONS



"EVERYBODY NEEDS BEAUTY AS WELL AS BREAD, PLACES TO PLAY IN AND PRAY IN, WHERE NATURE MAY HEAL AND GIVE STRENGTH TO BODY AND SOUL ALIKE."
John Muir

GEOLOGY



The Richter Scale
Calculating magnitude

The Plate Boundaries
Where plates collide

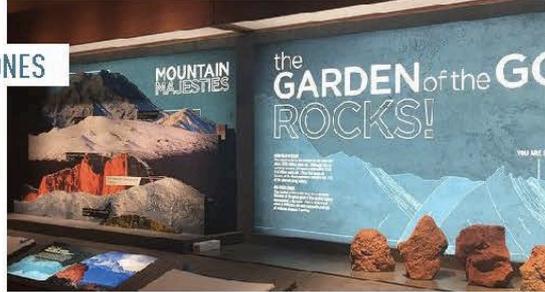
All Shook Up
Seismicity of waves

Earthquakes Where?
Middle U.S. feels the strain

Our Faults?
How frequent the tracking works



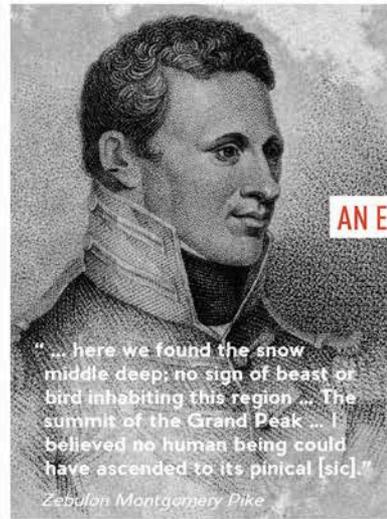
LIFE ZONES



The Place: Look & Feel

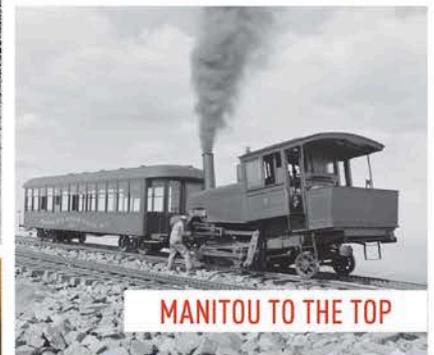


AMERICA'S MOUNTAIN

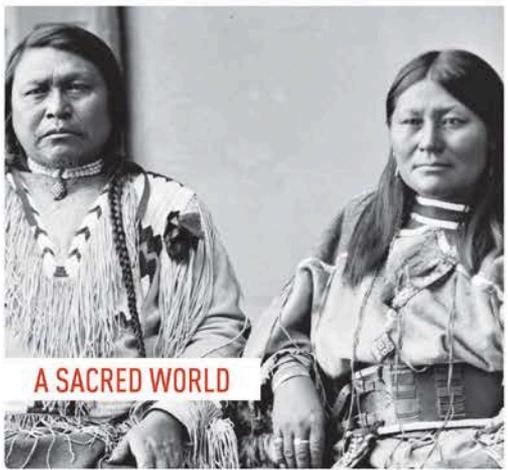


AN EMPIRE FOR "LIBERTY"

"... here we found the snow middle deep; no sign of beast or bird inhabiting this region ... The summit of the Grand Peak ... I believed no human being could have ascended to its pinical [sic]."
Zebulon Montgomery Pike



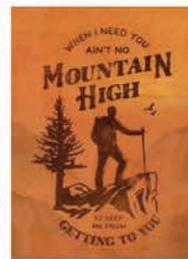
MANITOU TO THE TOP



A SACRED WORLD



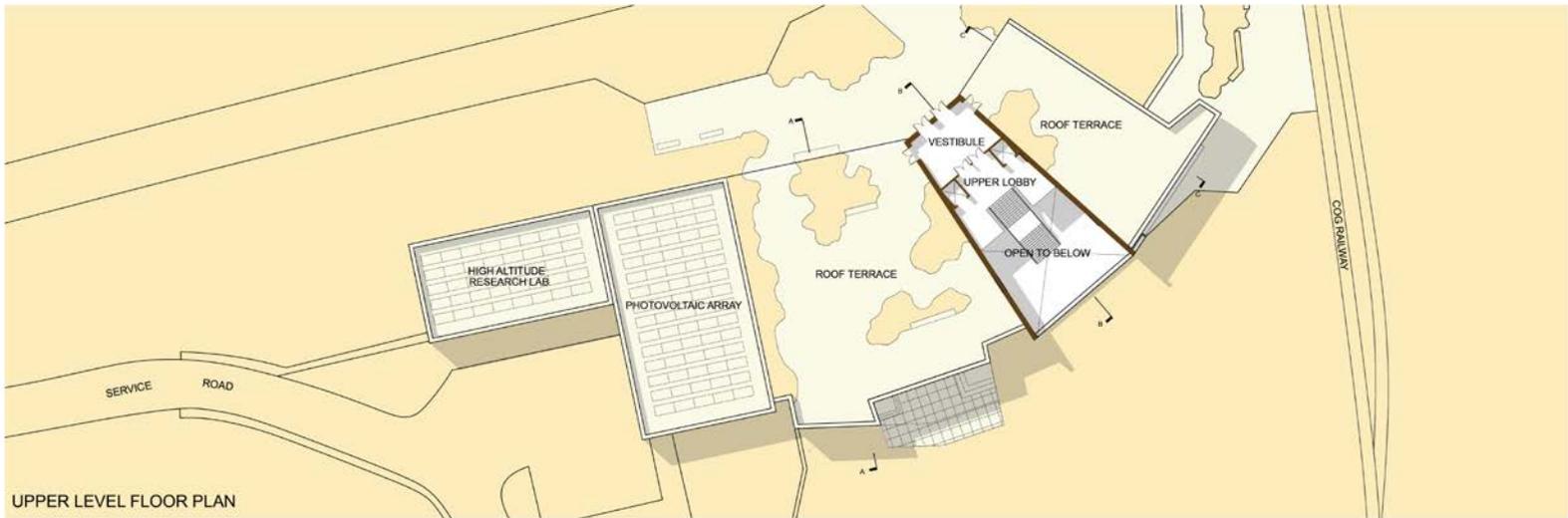
HOMESTEAD



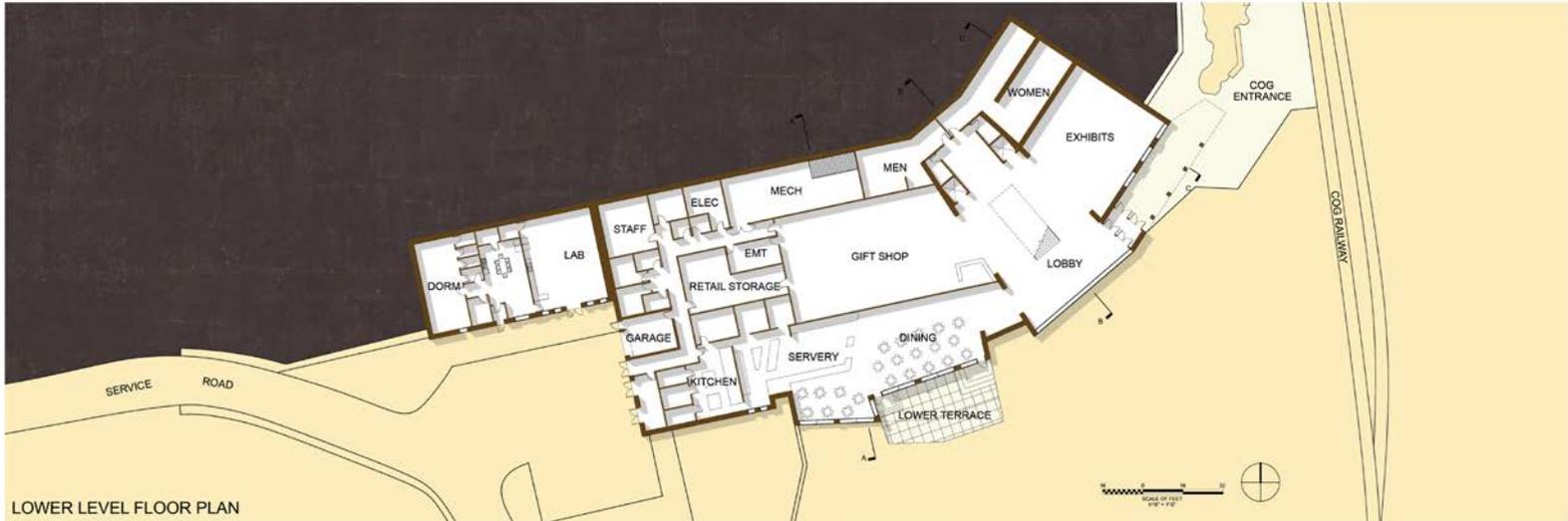
The People: Look & Feel



Pikes Peak Today: Look & Feel



UPPER LEVEL FLOOR PLAN



LOWER LEVEL FLOOR PLAN

Floor Plans



Building Sections



Aerial View from North



Vehicular Approach



View from Summit



Approach from Northeast



East Roof Terrace



Upper Lobby View to Mt. Rosa



Cog Approach



View from Cog Platform



View from Cog Entrance



Lower Lobby



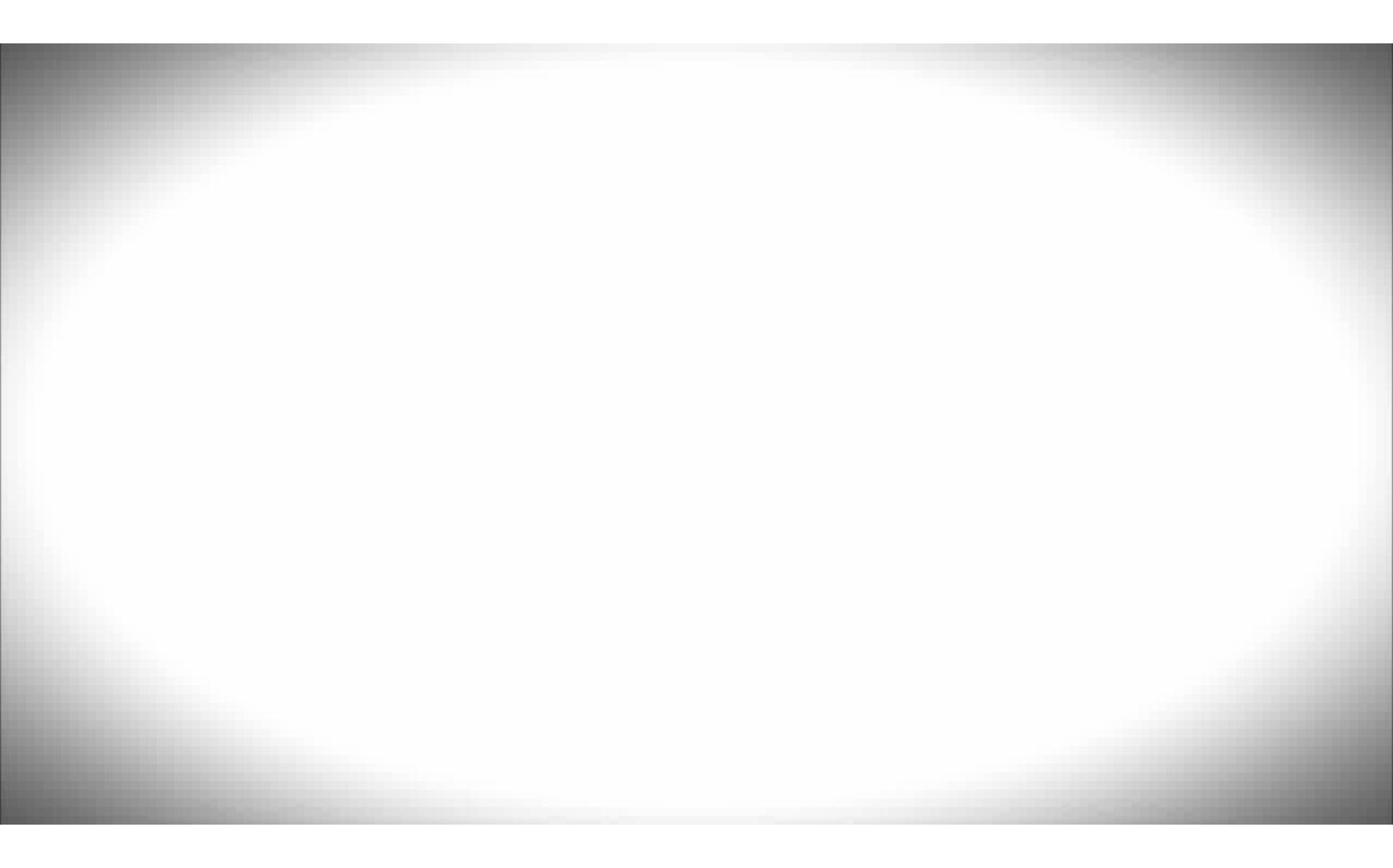
Dining Terrace



View Toward Exhibits



View Northeast from Roof Terrace





Site Axonometric

Stay In Touch

Get the most up-to-date information about the community's effort to design and build the new Pikes Peak Summit Complex.

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PIKES PEAK SUMMIT COMPLEX

JANUARY 26 2016

