

# **Ad Hoc Committee Recommendations Multi-Use Hangar Building Project**



# MULTI-USE HANGAR PROJECT

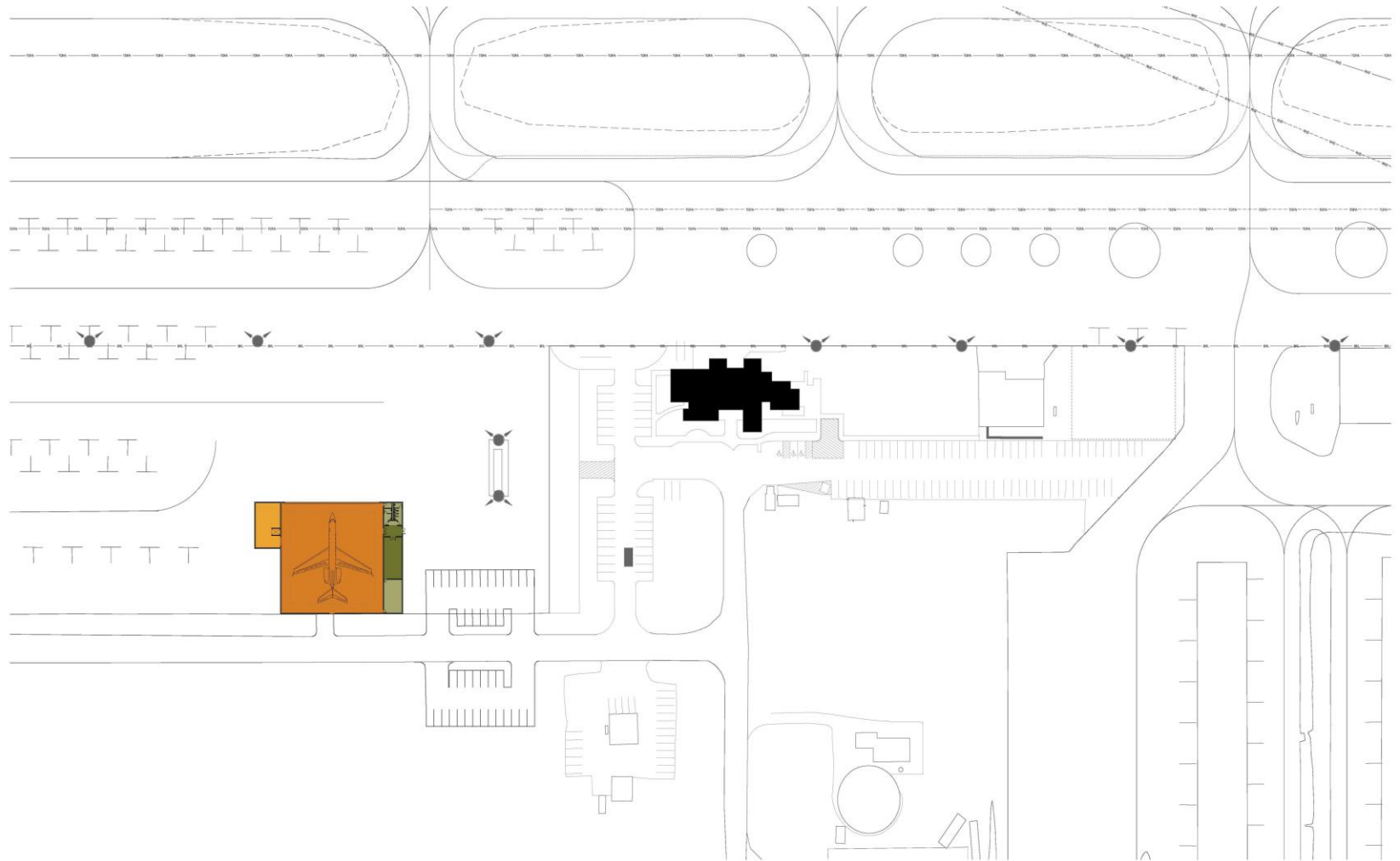
## WHERE WE ARE TODAY

- ✓ Public Input (81 comments)
  - ✓ Creative, out-of-the-box ideas
- ✓ Strong support for multi-use hangar concept
- ✓ Clear that site #3 is preferred location
- ✓ Five hangar options emerging
- ✓ Goal today: narrow scope of options for design team to work with moving forward



Why Site 3?

# Site 1



TRUCKEE TAHOE AIRPORT DISTRICT  
**MULTI-PURPOSE HANGAR/COMMUNITY ROOM**  
12-3-2014

**SITE PLAN - SITE 1 OPTION 3**



**Mead  
& Hunt**

# Site 1

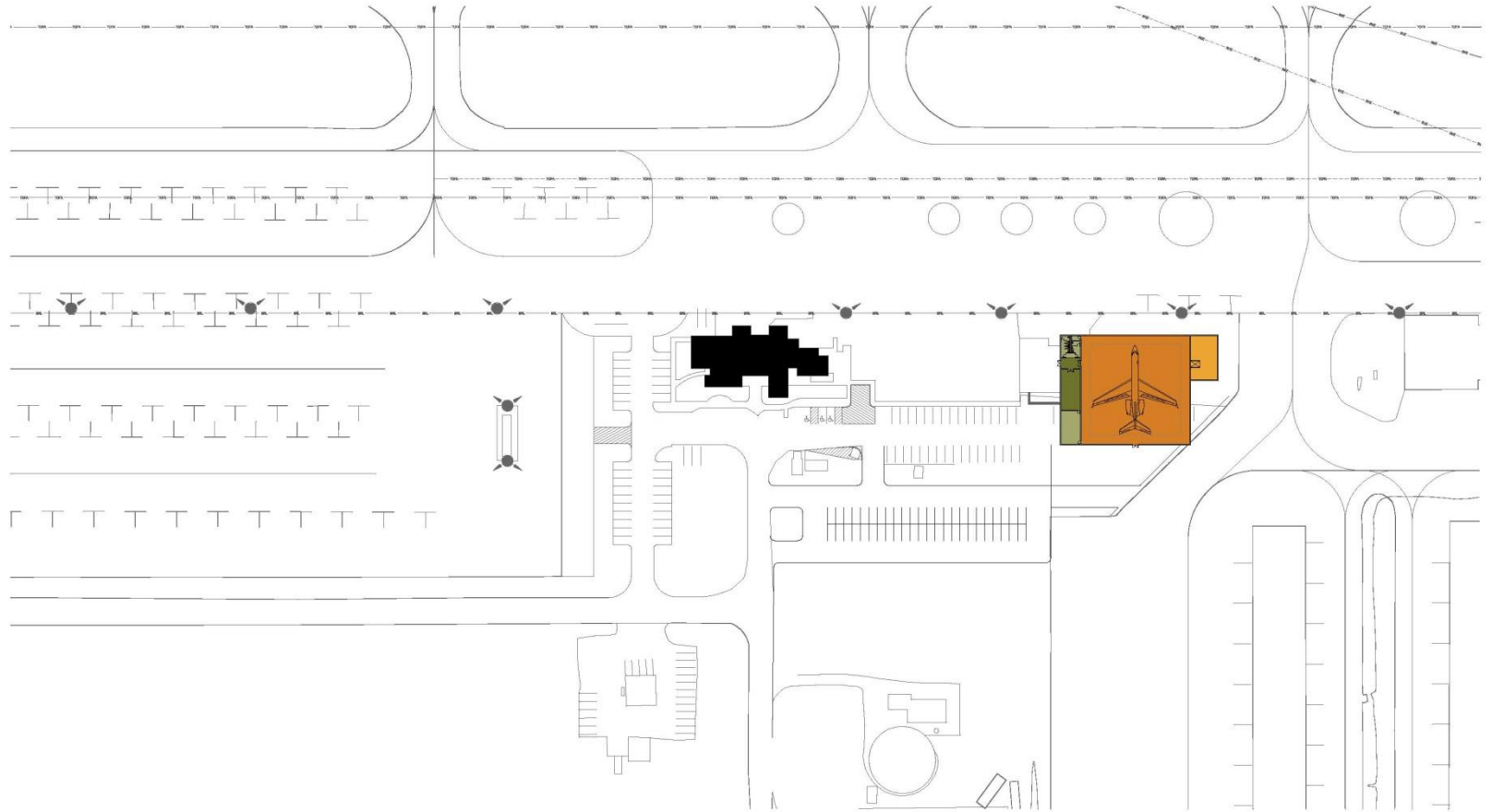
## Pro's

- UTILIZES EXISTING RAMP
- CREATES PARKING AREA THAT COULD BE SHARED BY RENTAL AGENCIES / MULTI NODAL TRANSPORTATION AREA
- PLACES GSE EQUIPMENT AND PERSONNEL NEAR FUEL FARM AND TRANSIENT AREA

## Con's

- PLACES HANGAR/PUBLIC AREA NEAR FUEL TANK – MAY REQUIRE ADDITIONAL SETBACKS
- REMOVES EXISTING TIE-DOWN LOCATIONS
- REMOVES NEW PAVEMENT
- MANEUVERING AIRCRAFT IN AND OUT OF HANGAR WILL BE DIFFICULT DUE TO SELF-SERVE AND TRANSIENT PARKING
- MAY REQUIRE EXTRA PARKING FOR LARGE EVENTS. CANNOT TAKE ADVANTAGE OF JET RAMP.

# Site 2



# Site 2

## Pro's

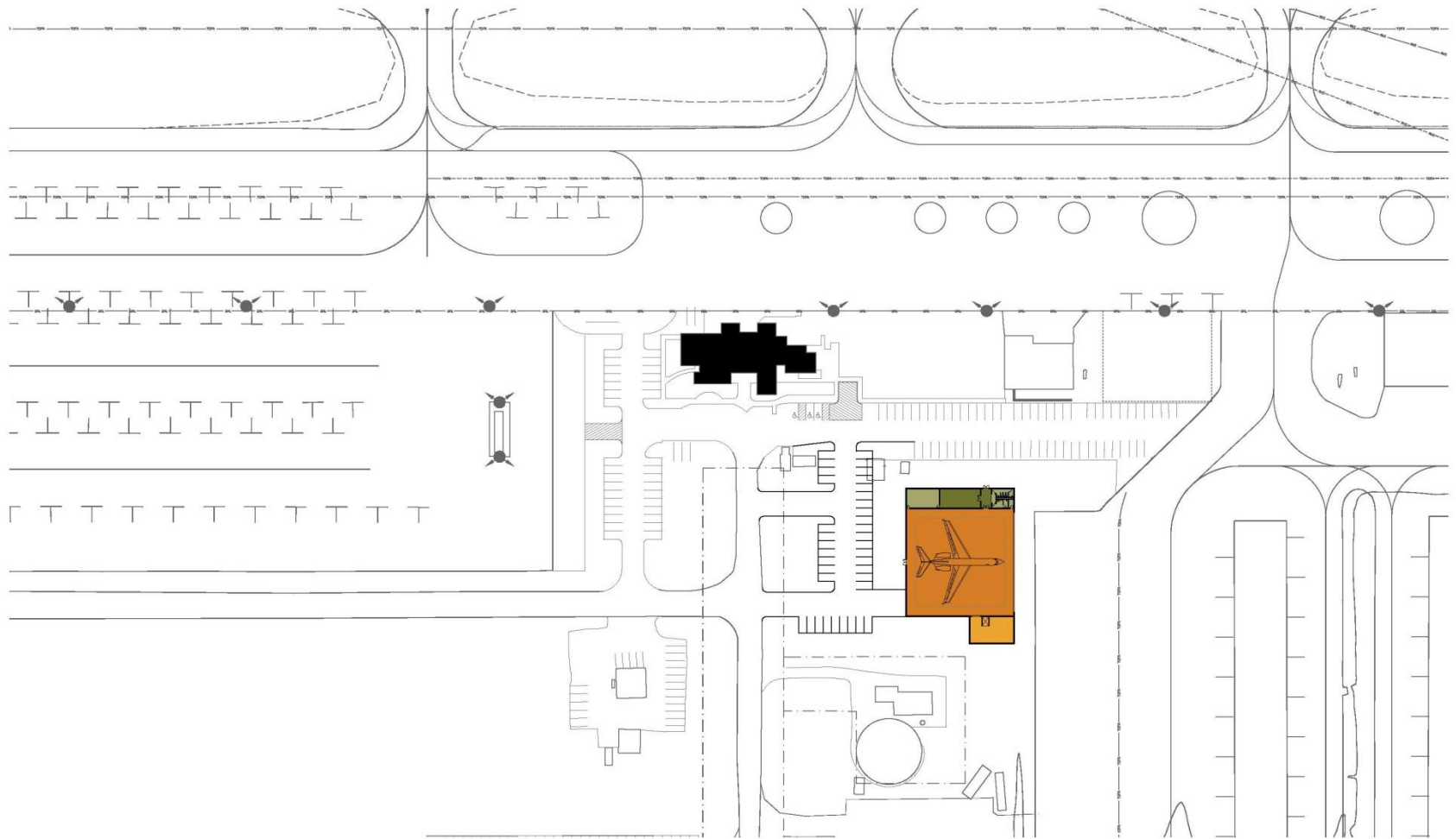
- PLACES MULTIUSE COMPONENTS ADJACENT TO EXISTING PARK, PARKING, AND ADMIN. BUILDING
- MULTI-USE HANGAR AND TERMINAL WORK CAN SUPPORT EACH OTHER FOR PUBLIC EVENTS
- HANGAR IS FRONT AND CENTER ON RAMP ALLOWING EASE OF ACCESS AND USE.

## Con's

- BUILDING IS IN ZONE A, WILL BE MORE DIFFICULT TO CREATE SPACES FOR LARGE PUBLIC GATHERINGS
- RAMP AREA IN FRONT OF HANGAR COULD CONFLICT WITH EXISTING JET PARKING
- REQUIRES REMOVAL OF HANGAR 2, WHICH STILL HAS USE BENEFITS



# Site 3



TRUCKEE TAHOE AIRPORT DISTRICT  
**MULTI-PURPOSE HANGAR/COMMUNITY ROOM**  
12-03-2014

**SITE PLAN - SITE 3 OPTION 3**



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# Site 3

## Pro's

- LEAST CONFLICT WITH EXISTING AIRPORT USES
- CAN TAKE ADVANTAGE OF JET RAMP FOR PARKING FOR LARGE EVENTS
- PROVIDES MORE FLEXIBILITY THAN SITE 1 AND 2 FOR MANEUVERING AIRCRAFT IN AND OUT OF HANGAR (TAKES FULL ADVANTAGE OF JET RAMP)
- LESS DISRUPTIVE TO FRONT LINE RAMP OPERATIONS
- HANGAR DOOR FACES THE WEST: BEST ALIGNMENT FOR WINTER
- PLACES HANGAR CLOSE TO ADMINISTRATION BUILDING, HANGAR 2, AND PLAYGROUND

## Con's

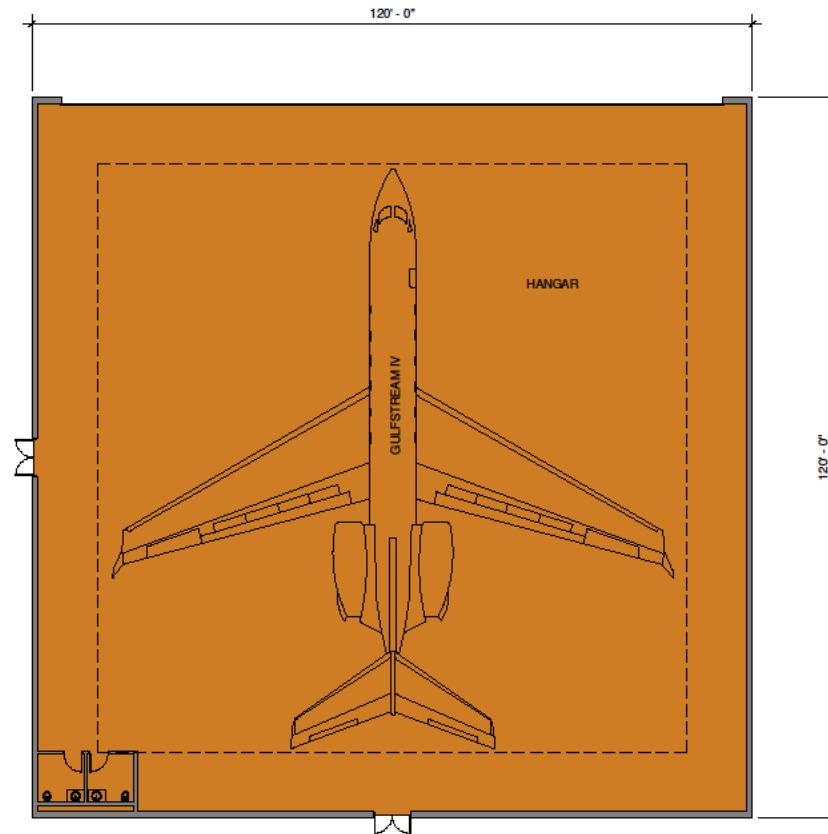
- WILL REQUIRE SOME ADDITIONAL CIVIL IMPROVEMENTS TO ROUTE AIRCRAFT BETWEEN HANGAR AND TAXILANE
- WILL LOSE SOME FLEXIBILITY FOR LONG TERM PARKING ON JET RAMP

NOTE: Jet ramp and associated taxi lanes are scheduled for reconstruction within the next 2 years.

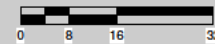
# Options Per Public Feedback



# Option 1 – Aviation Only

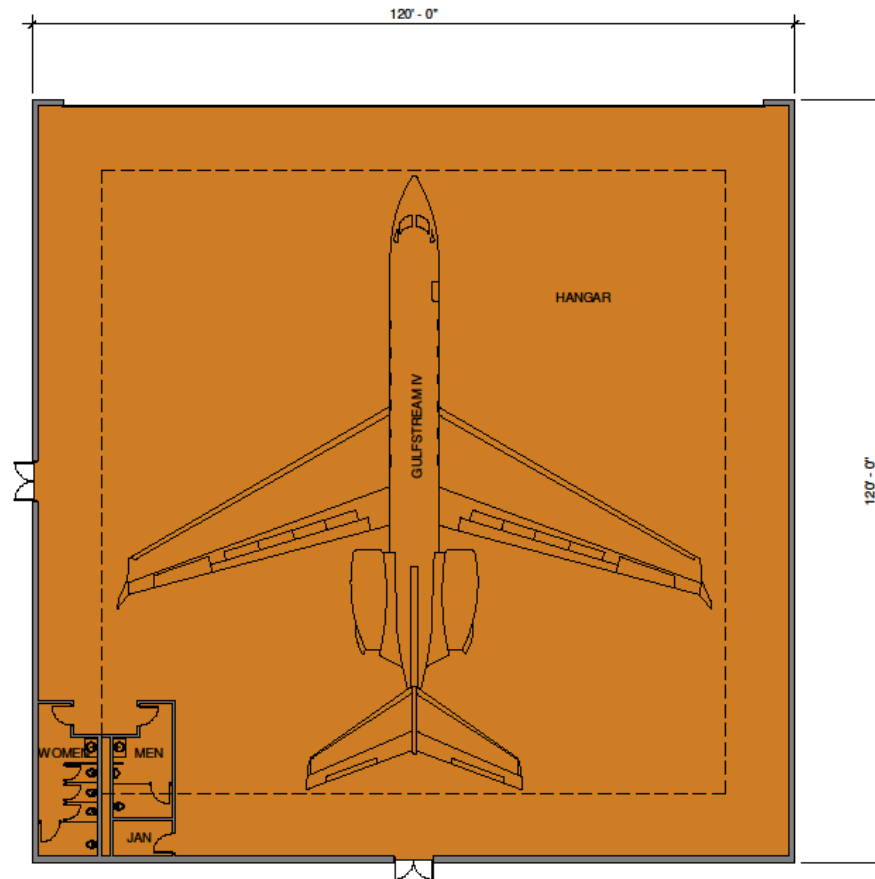


TRUCKEE TAHOE AIRPORT DISTRICT  
HANGAR w/ BATHROOMS  
OPTION 1  
11/18/14

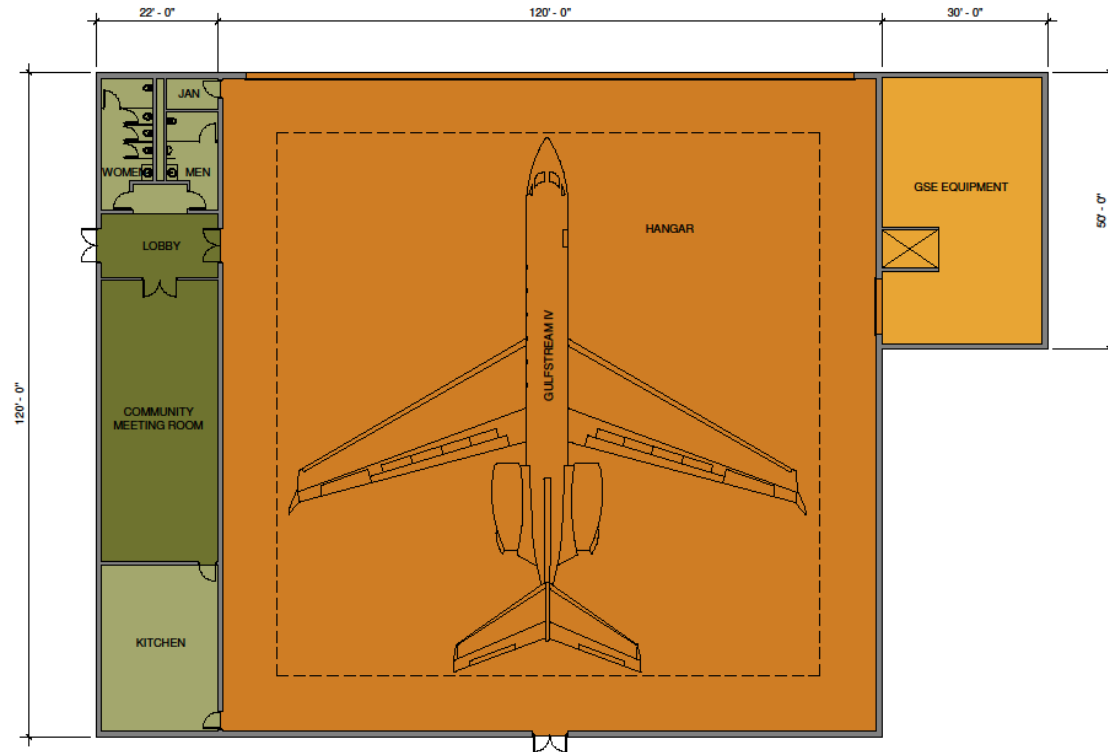


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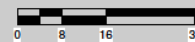
# Option 2 – Multi Use



# Option 3 - Hangar Meeting Room and Kitchen



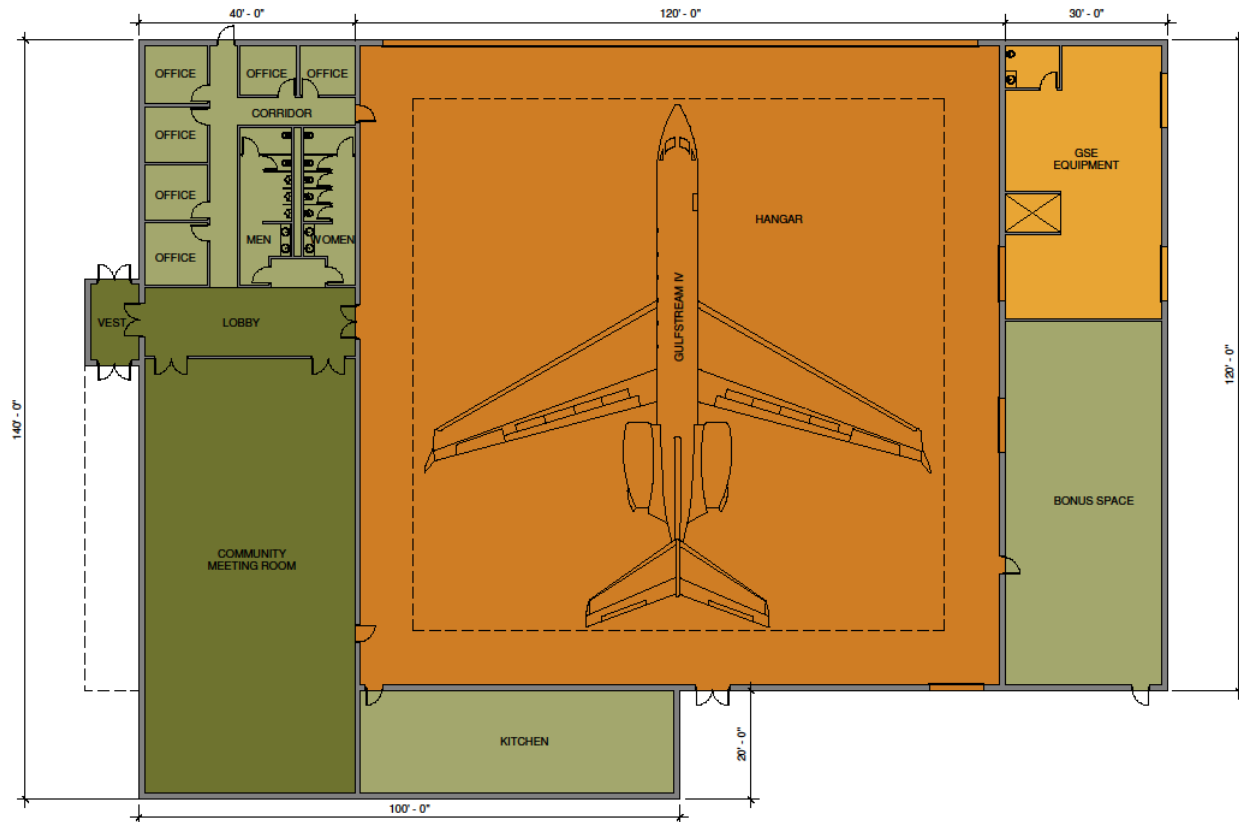
TRUCKEE TAHOE AIRPORT DISTRICT  
HANGAR w/ BATHROOMS  
OPTION 3  
11/18/14



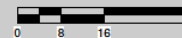
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# Option 4

## Multi-use with Pop Out Space

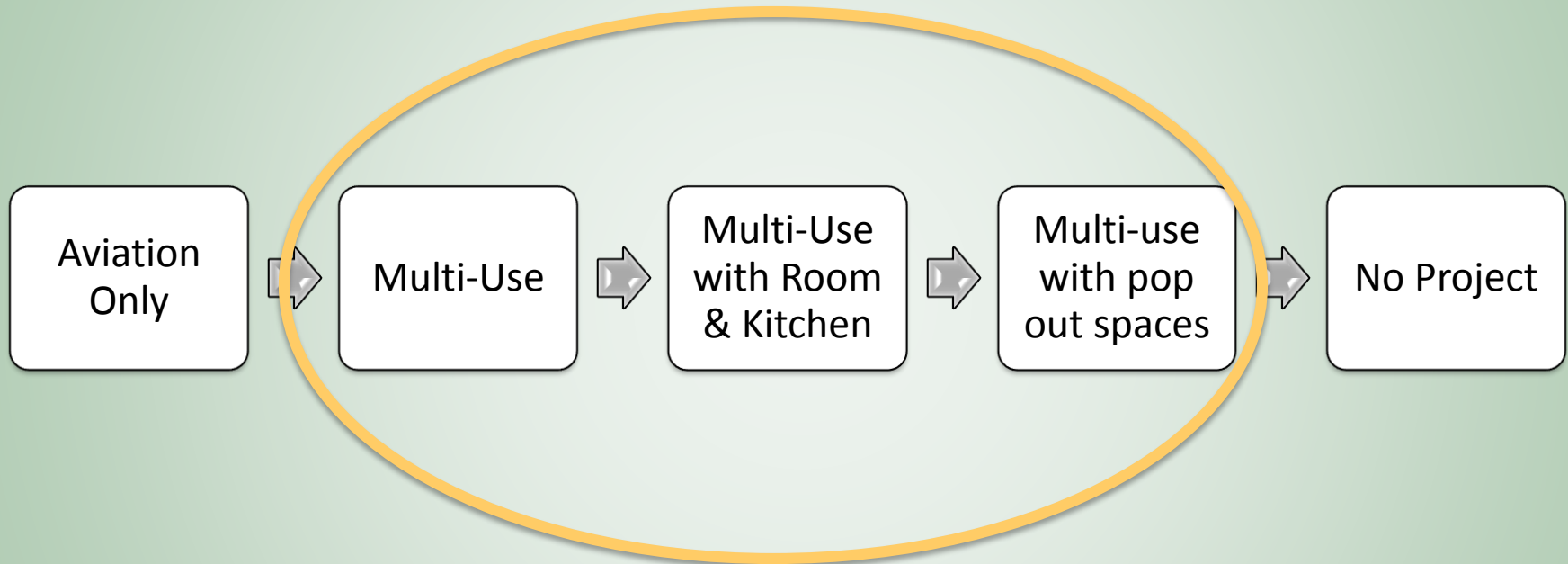


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HANGAR w/ BATHROOMS  
OPTION 4  
11/18/14



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# Ad Hoc Recc's



1. Direct design team to focus on three options
2. Use site #2
3. Include in analysis: size, use, cost, policy + mitigation implications, use #s, pro's/con's



# Comparison of Options

	Aviation Only	Multi-Use	Multi-Use w/Room and Kitchen	Multi-use w/pop out space	No Project
Uses	Aircraft Storage  De-Icing	Aircraft Storage  De-Icing  200 Person Gathering	Aircraft Storage  De-Icing  Ground Service Equipment Storage  600 Person Gathering  Meeting Space  Small Kitchen  Office Space  Emergency Center	Aircraft Storage  De-Icing  Ground Service Equipment Storage  600 Person Gathering  Large Meeting Space  Large Kitchen  Office Space  Emergency Center  Additional Multi-Use Space	

# Summary of Rec to Board

- 1) Move forward with planning
- 2) Narrow to 3 hangar options (drop aviation only)
- 3) Select Site 3
- 4) “No Project” is always an option up to Notice to Proceed.

# Use Matrix Comparison

Square Footage			Option 1	Option 2	Option 3	Option 4
	Min	Max	\$\$	\$\$	\$\$\$	\$\$\$\$
<b>Aviation Uses</b>						
Hangar	10,800	14,400				
Second Hangar	10,800	14,400				
GSE	1450	2000				
GSE Bathroom	50	75				
<b>Community Uses</b>						
Indoor Sports/Multi-Use Space	Intermittent Hangar Use	23,000	Hangar	Hangar	Hangar	Hangar
Stage and Sound	600	1000	Hangar	Hangar		
Dance Floor (200-600 Person Gathering)	Intermittent Hangar Use	1000		Hangar	Hangar	
Prep Kitchen	200	500				
Commercial Kitchen (for events and incubator concept)	600	1000				
Junior College Classrooms	600	1000				
Aviation Trade School	1600	10,000				
Additional Classrooms	600	1000				
Art Studio	600	1000				
Music Room	600	1000				
Makerspace (Community Shop)	600	2000				
Aviation Mechanical Shop	1000	8000				
Engine Shop	1000	2000				
Fabrication Shop	1000	2000				
Assembly Shop	1000	2000				
Point Shop	1000	2000				
Electronics Shop	600	1000				
Upholstery Shop	600	1000				
Aircraft Restoration Display	300	1000				
Air Museum/Aviation Outreach	300	1000				
Emergency Response Command Cntr	200	600				
Showers	200	600				
Unisex Bathrooms	50	75				
Bathrooms for 200 Occupants	500	500				
Bathrooms for 600 Occupants	1000	1000				
Offices	700	1000				
General Storage	150	500				