

# Gambrel Barn & Silo

Star Valley Ranch, Wyoming  
October 13, 2010

## Planning For the Future



# Overview

- ◎ Schematic Design for New Silo Building
  - Existing Vs. New: Comparative Analysis
  - Option 1: Proposed Layout and Features
  - Option 2: Proposed Layout and Features
  - Budget Cost Estimate
  - Questions/Discussion

# Comparative Analysis

## Existing Building

- ⦿ Lacks proper insulation in walls, roof, and insulation
- ⦿ ADA deficiencies
  - Restroom access
  - Barn access
  - Door Hardware
  - Upper levels inaccessible
- ⦿ Lacking proper heating/cooling system
- ⦿ Electrical upgrades required
  - General and emergency lighting
  - Fire alarm system
- ⦿ Exterior siding needs repair

# Comparative Analysis

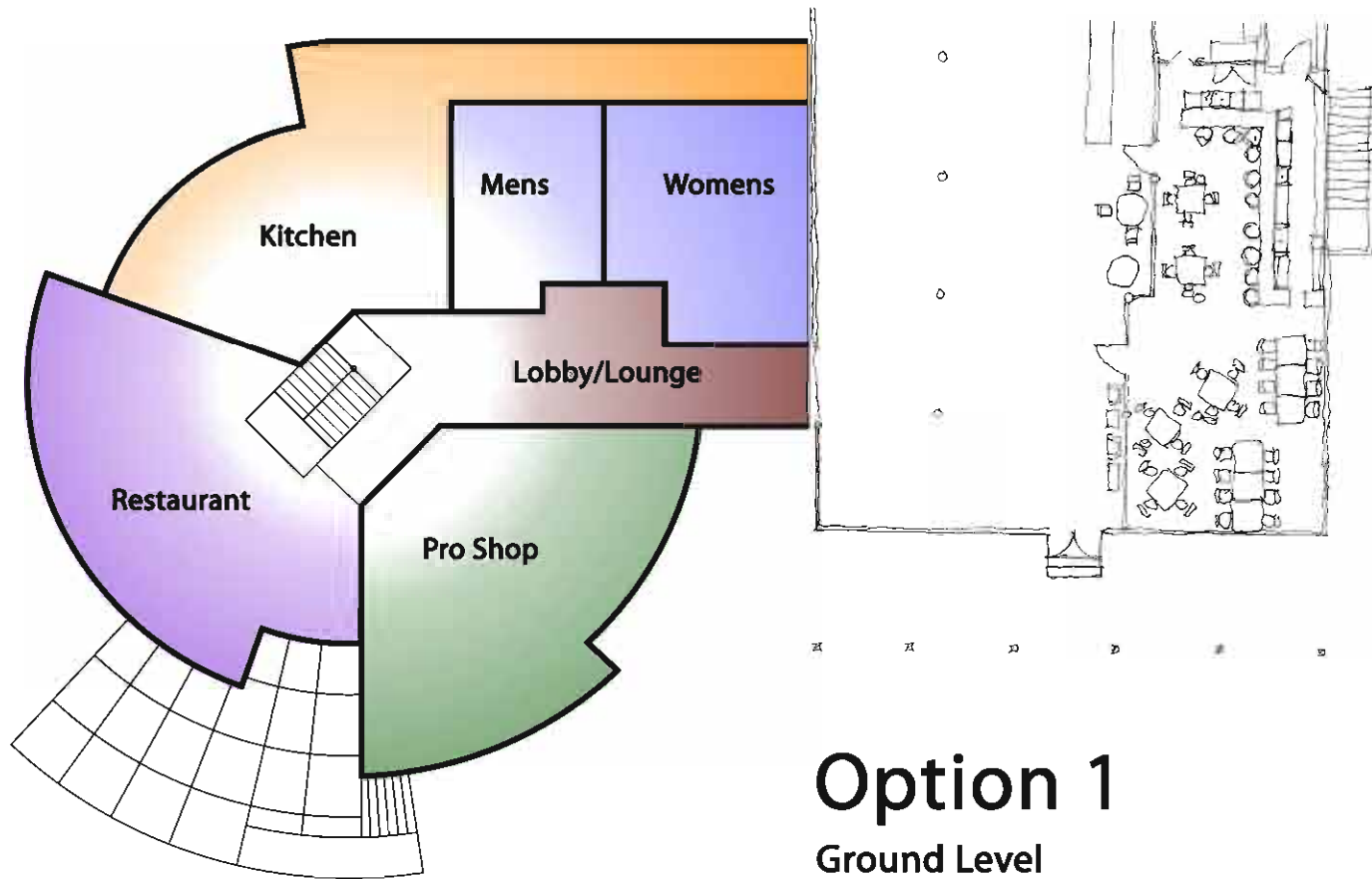
## Proposed New Silo Building

- ⦿ New Main entrance
  - Central to restaurant, pro shop, restrooms, and access to barn and upper level offices
- ⦿ Relocated pro shop with views to course and parking lot
- ⦿ New two level restaurant with outdoor seating and multiple views
- ⦿ Relocated kitchen
  - Access to new restaurant and barn
  - Relocated to ground level for accessibility, deliveries, etc
- ⦿ Office space on upper level
  - Views to course and parking lot

# Comparative Analysis

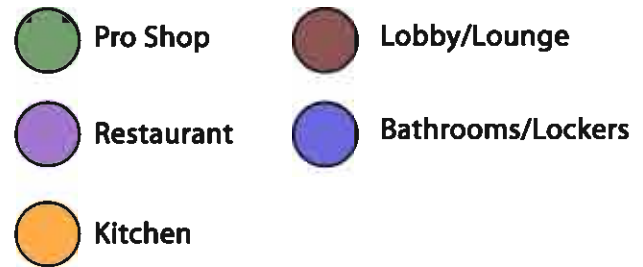
## Proposed New Silo Building

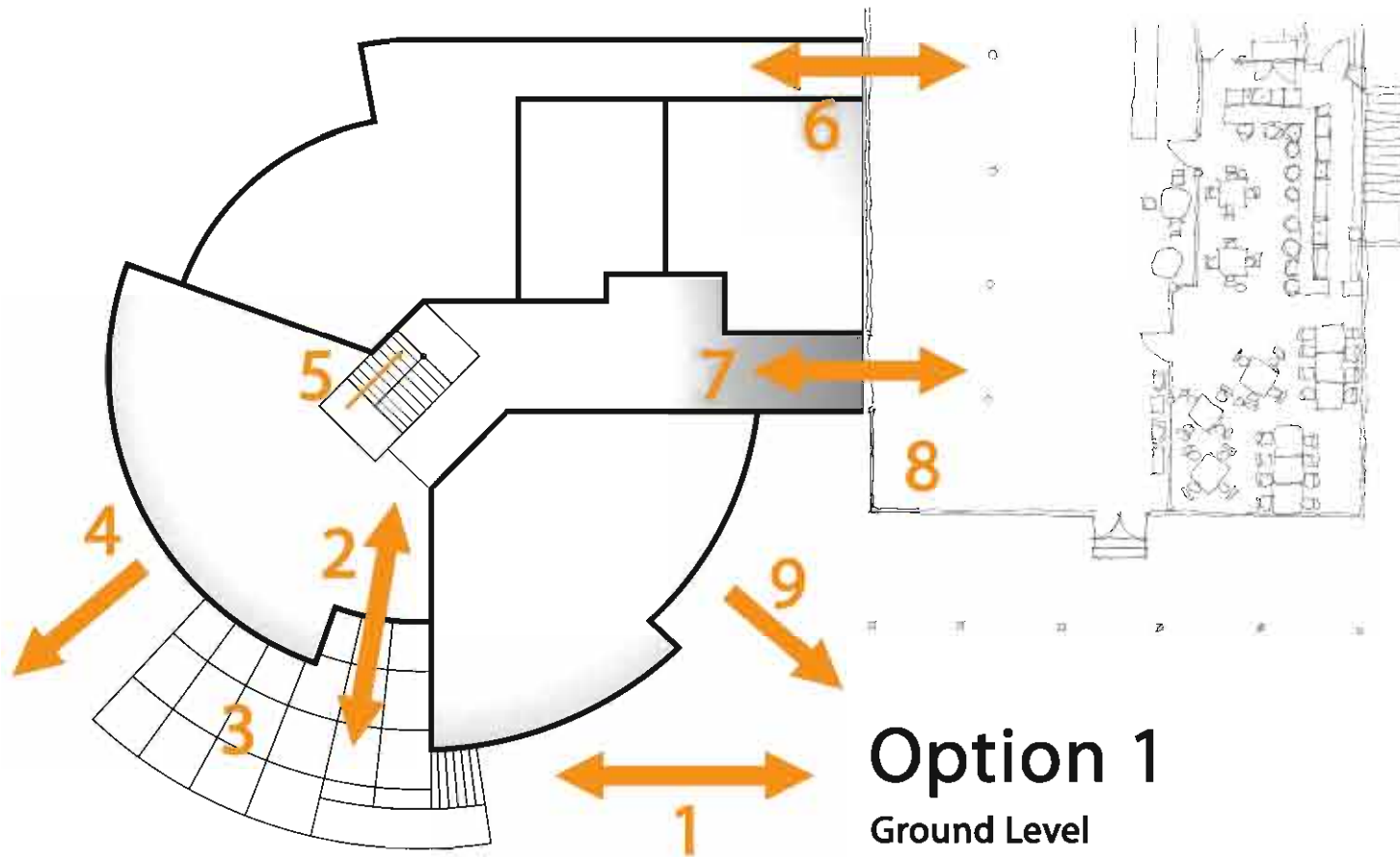
- ⦿ Men's restroom relocated from barn
  - Opens up barn area
  - Central location to main entrance, restaurant, and pro shop
- ⦿ Entire building compliant with current ADA and building code
- ⦿ Efficient insulation and heating/cooling system
- ⦿ Improved exterior envelope
  - Thermally efficient
  - Improved daylighting
- ⦿ Improved electrical system
  - Fire alarm
  - Lighting



# Option 1

Ground Level





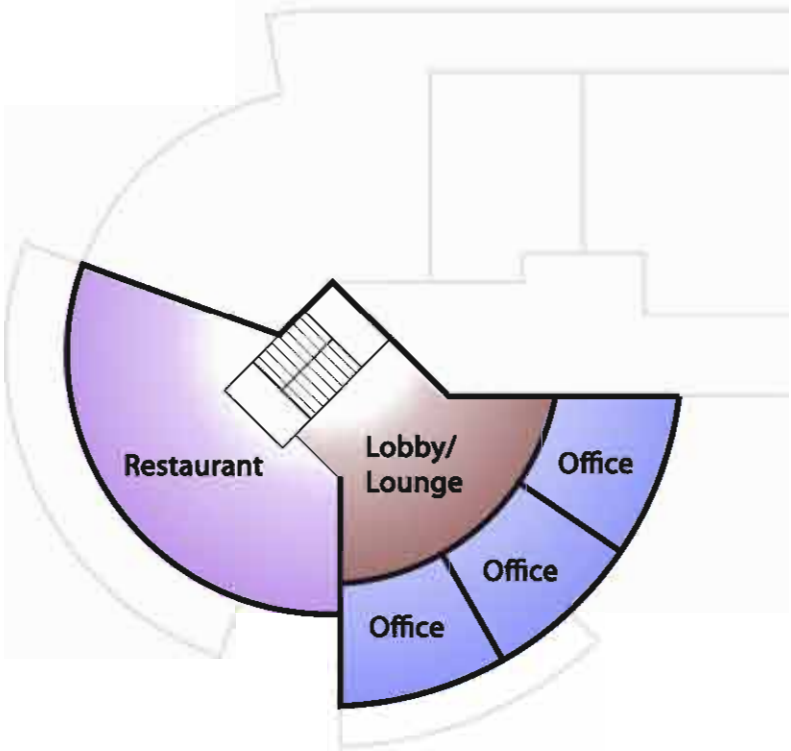
# Option 1

Ground Level

- Pro Shop
- Lobby/Lounge
- Restaurant
- Bathrooms/Lockers
- Kitchen

## Features

1. Access and visibility from parking lot
2. Accessible main entrance central to:  
 Restaurant  
 Pro shop  
 Bathrooms/Lockers  
 Access to Barn
3. Outdoor patio
4. Views from restaurant
5. Access to upper level dining and offices
6. Kitchen access to barn
7. Code compliant access to barn
8. Relocated mens restroom
9. view to golf course (hole 1)

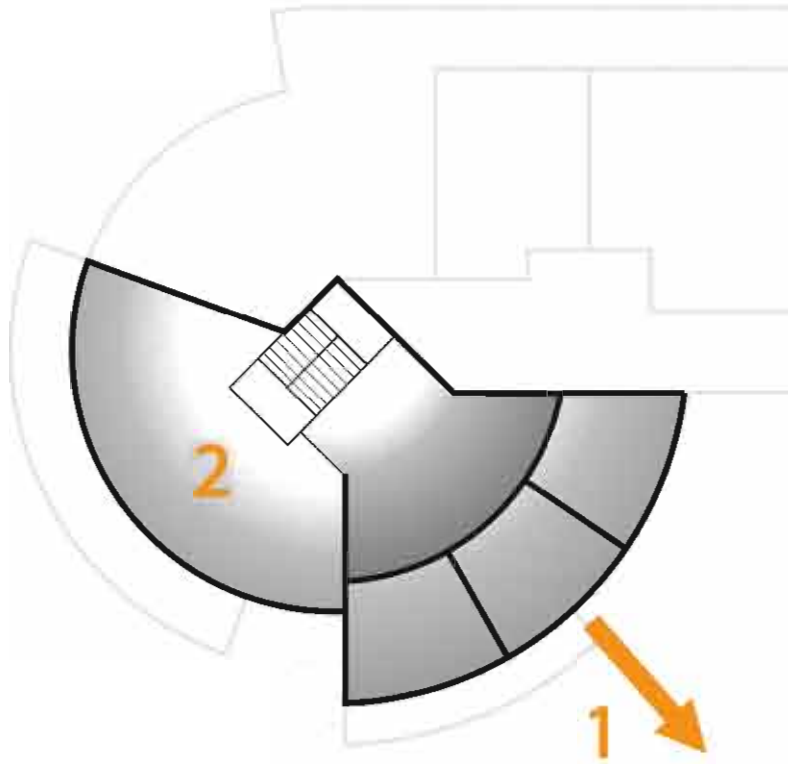


# Option 1

Upper Level

-  Lobby/Lounge
-  Restaurant
-  Offices








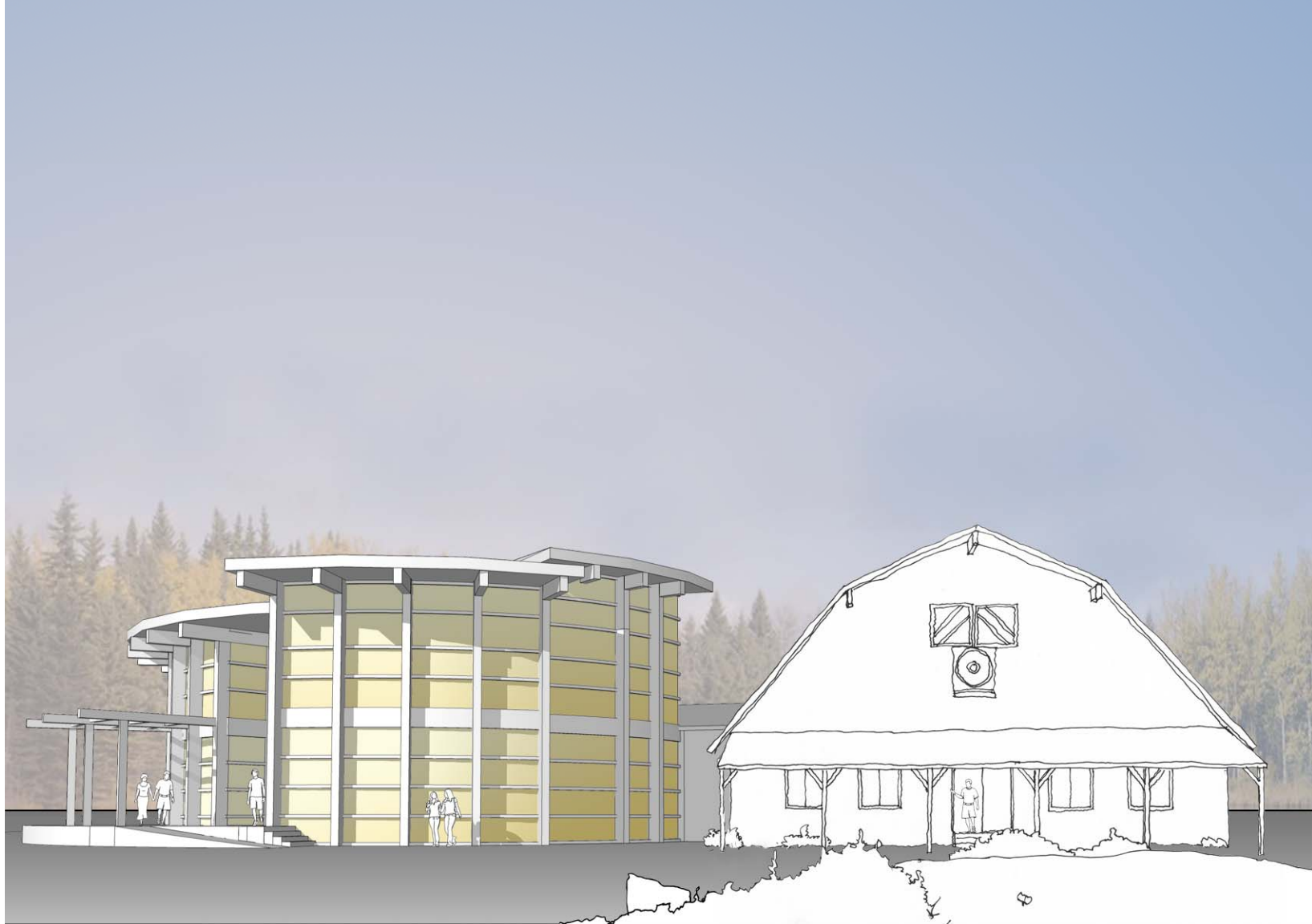
## Features

- 1. Office
  - Views to golf course
  - Upper level location for privacy/security
- 2. Upper level restaurant seating:
  - Open to lower level
  - views to golf course

## Option 1

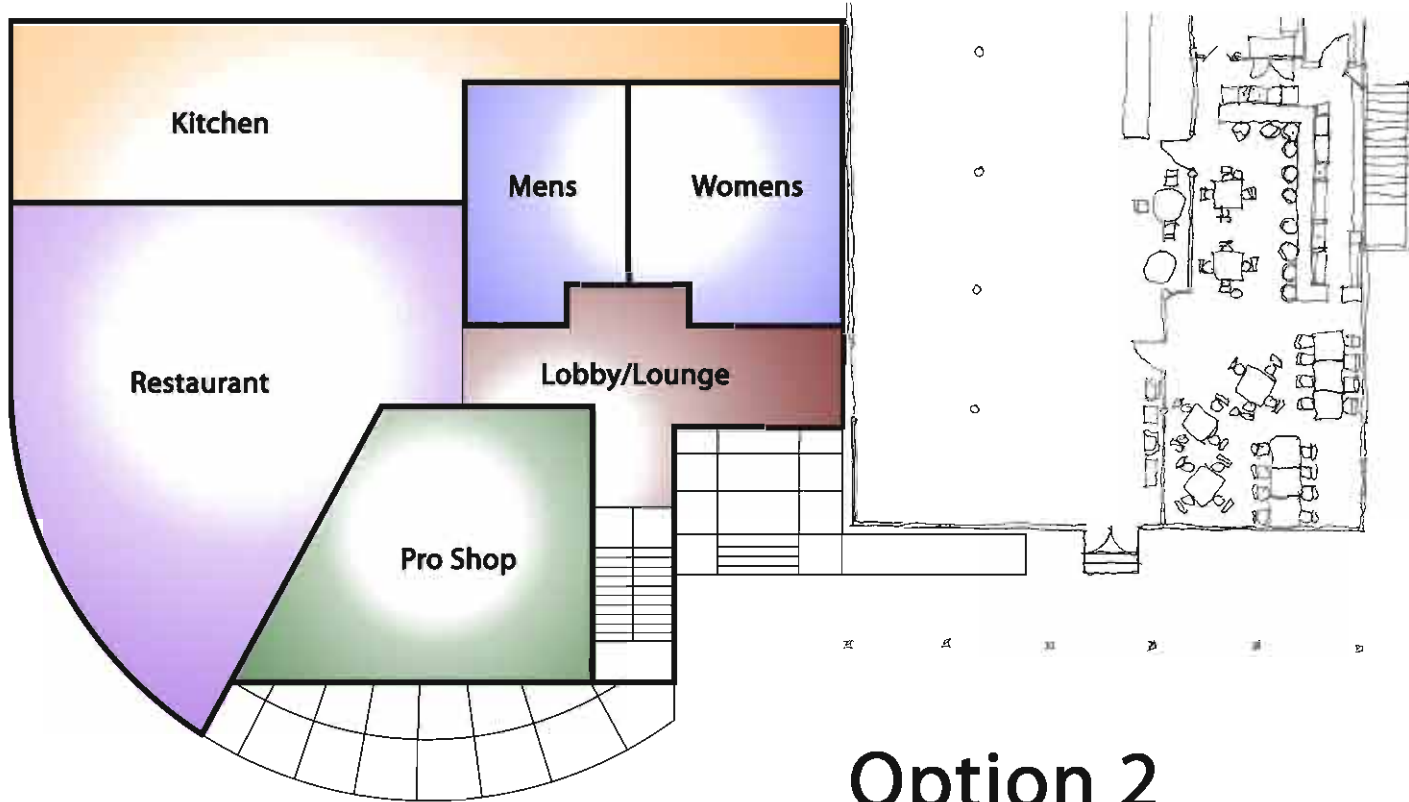
### Upper Level

-  Lobby/Lounge
-  Restaurant
-  Offices



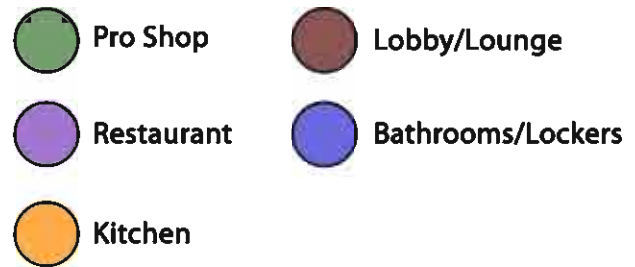
## ◎ Schematic Elevation

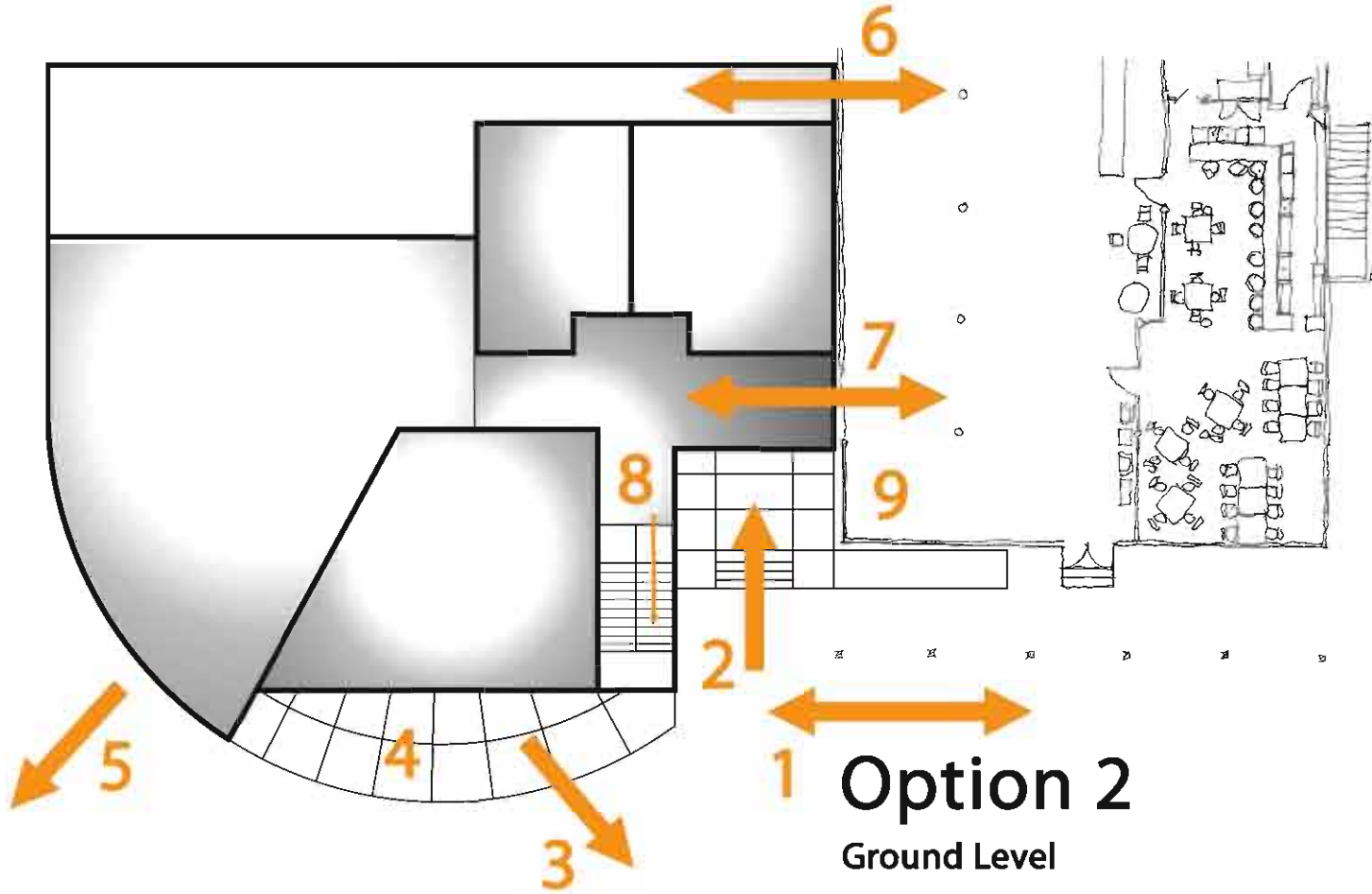
- Similar in Shape to Original Silo
- Heavy Timber Columns & Beams
- Ample Daylighting & Views



## Option 2

Ground Level





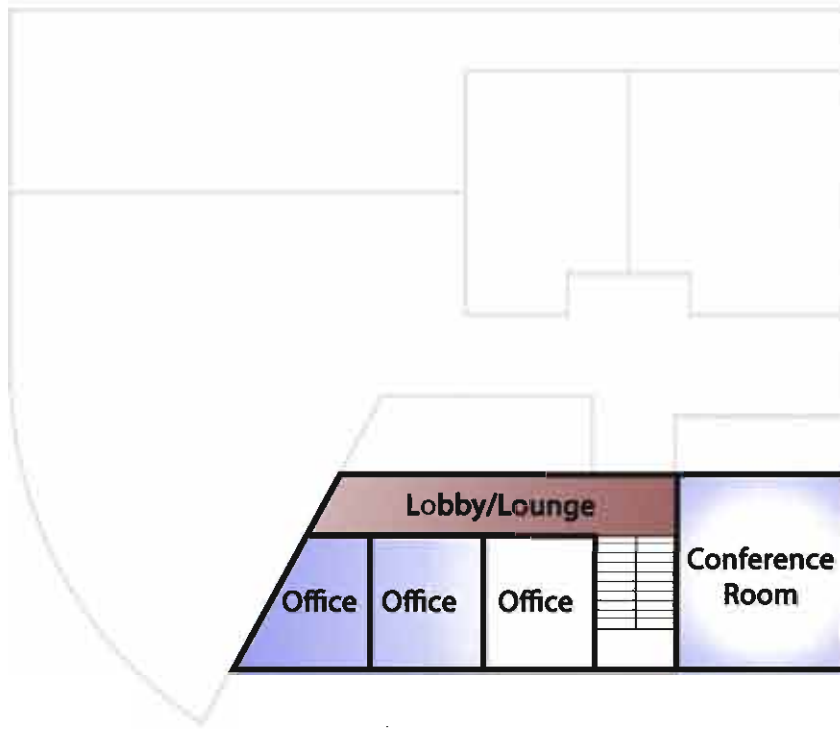
## Option 2

Ground Level

- Pro Shop
- Lobby/Lounge
- Restaurant
- Bathrooms/Lockers
- Kitchen

### Features

1. Access and visibility from parking lot
2. Main entrance central to:
  - Restaurant
  - Pro shop
  - Bathrooms/Lockers
  - Access to Barn
3. View to golf course (hole 1)
4. Outdoor patio
5. Views from restaurant
6. Kitchen access to barn
7. Code compliant access to barn
8. access to upper level offices
9. Relocated mens restroom

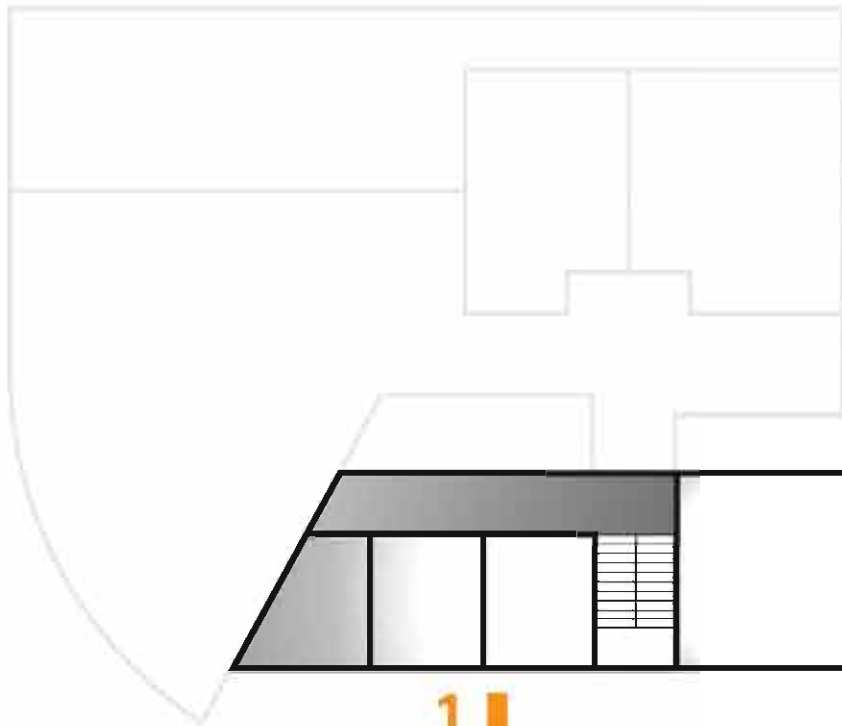


## Option 2

Upper Level

 Lobby/Lounge

 Offices



## Features

- 1. Office
  - Views to golf course
  - Upper level location for privacy/security

## Option 2

### Upper Level

-  Lobby/Lounge
-  Offices



## ◎ Schematic Elevation

- Similar Exterior Paneling to Barn
- Heavy Timber Columns & Beams
- Ample Daylighting & Views

# Budget Cost Estimate

## Star Valley Ranch: Cost Estimate

Description	SF	Cost/SF	Item Cost
Demolition of Existing Silo	8,050	\$10	\$80,500
New Lobby/Lounge	1,000	\$125	\$125,000
New Dining Area	1,500	\$150	\$225,000
New Kitchen	1,000	\$200	\$200,000
New Pro Shop	800	\$150	\$120,000
New Men's Bathroom and Locker Area	350	\$200	\$70,000
New Women's Bathroom and Locker Area	475	\$200	\$95,000
New Office Area	1,000	\$150	\$150,000
Site Improvements	600	\$20	\$12,000
<u>Non Construction Costs</u>			<u>\$431,000</u>
<b>New Silo Subtotal</b>	<b>6,725</b>	<b>\$224</b>	<b>\$1,508,500</b>
Architectural and Structural Barn Upgrades	5,700		\$630,365
Barn: Non Construction Costs			\$253,308
<b>Barn Upgrade Subtotal</b>	<b>5,700</b>	<b>\$155</b>	<b>\$883,673</b>
<b>Project Cost</b>	<b>12,425</b>	<b>\$193</b>	<b>\$2,392,173</b>



# Questions/**Discussion**

