KEENESBURG TOWN HALL

KEENESBURG, COLORADO

SPRING, 2019









Project Partners















Project Members Include:

CCCD

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COMMUNITY

Debra Chumley Ken Gfeller Janet Huck Ted Barney Don Sandoval Town Manager
Town Mayor
Board Member
Board Member
DOLA Regional Manager



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Acknowledgments

About CCCD/UTA
About the Staff





INTRODUCTION

--- Background

--- Context

Keenesburg, Colorado

A farming and ranching community, the town of Keenesburg has a population of around 1,000 people and is located 45 minutes northeast of Denver off of I-76. Located at a historic railroad stop, there are still active freight lines that run through town. As the population of Denver has grown, many have flocked to Keenesburg due to its proximity, and new housing developments are springing up. There is a new 350-home development being constructed on the north side of town, which will greatly increase the current population of the town. Due to this growth, the town of Keenesburg is in need of a larger town hall space to accommodate increased staff numbers.

Keenesburg asked CCCD to explore ideas and designs for two different sites for their new town hall. They are considering either an addition to the existing town hall building on Main Street, or a renovation of the Weld County Public Schools administration building adjacent to the now defunct Keenesburg Elementary School. This report presents both preliminary and final designs for the two sites, and includes cost estimates for both options as well.

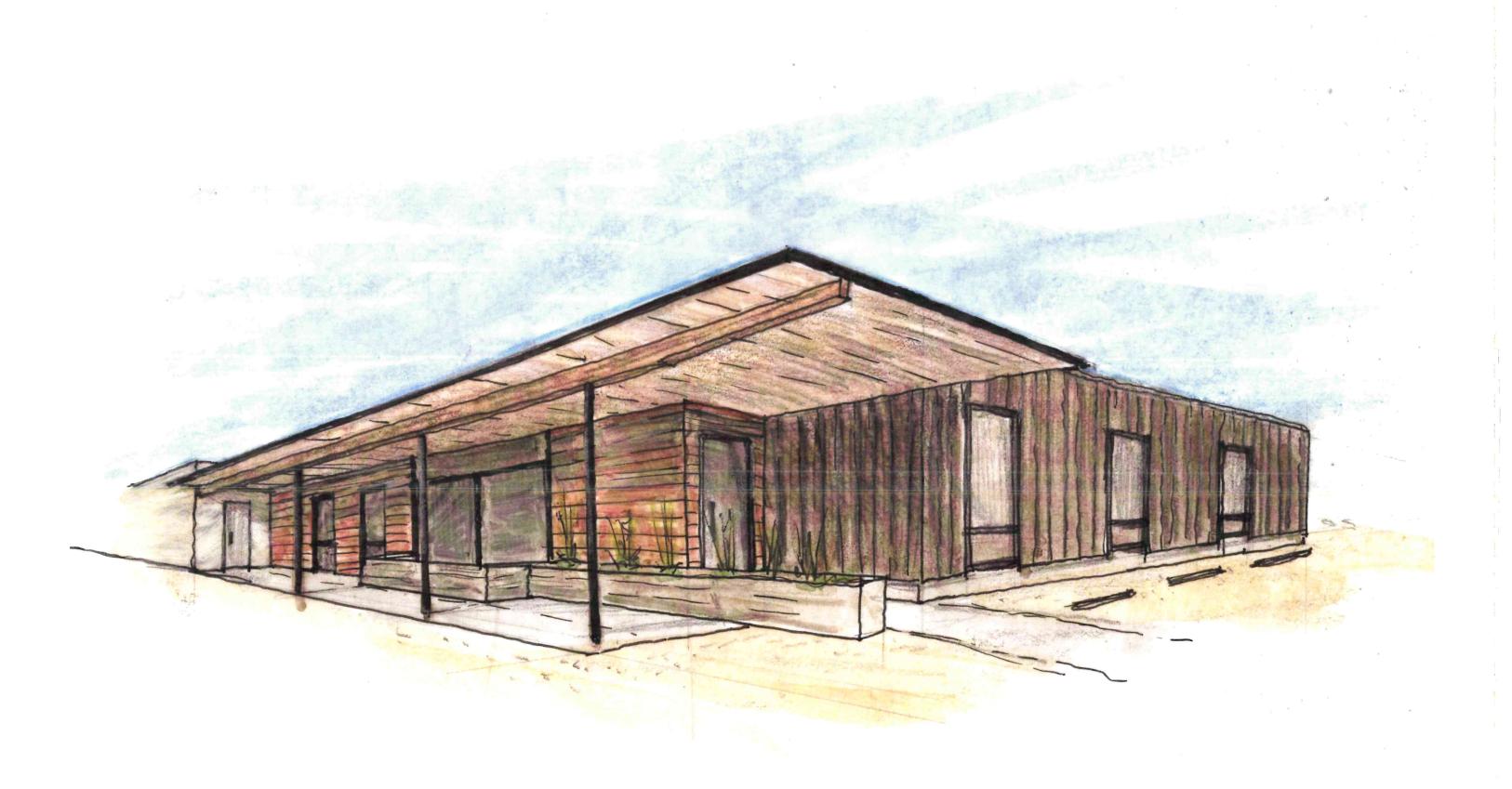
In meetings with town leadership, the pros for maintaining the current location on Main Street were made clear, however, with the growing community needs, a larger space would be highly beneficial. There are many exciting possibilities in creating a "civic campus" on the site of the old Keenesburg Elementary School, also using the adjacent Weld County Public Schools administrative building. While there is value in continuing to support the activation of Main Street by maintaining the current town hall location and adding an expansion onto the existing building, there is more flexibility and options in the acquisition of the old Keenesburg school building and adjacent administrative building. The larger building footprints and surrounding outdoor spaces provide the potential for a vibrant civic campus that could become a dynamic community amenity and even a regional attraction.





REGIONAL CONTEXT





DESIGN: EXISTING TOWN HALL

- ---- Site Analysis
- —— Existing Conditions
- ---- Preliminary Designs
- ---- Preferred Design
- --- Opinion of Cost

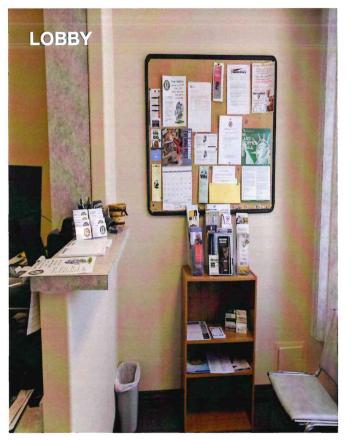
FRONT VIEW

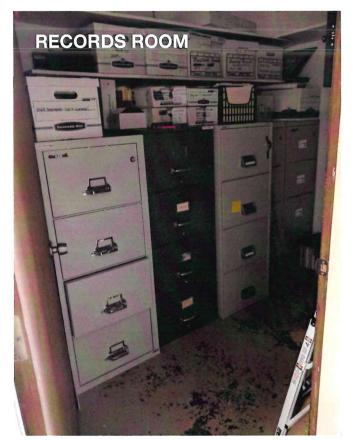


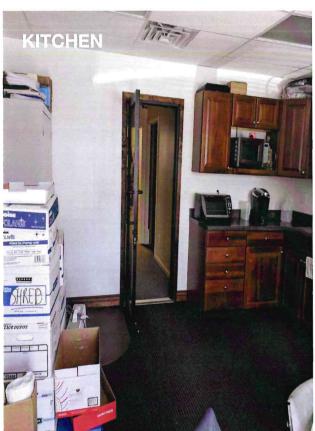












The existing town hall building is located at 140 Main St. Keenesburg, CO 80643. While the existing building now meets the needs of the community and can accommodate current staff levels, it will not be able to meet the needs of the community as it continues to grow in the future. An increase in the number of residents will place more of a demand on town staff, and more administrative staff will be required. The existing town hall building has been creatively adapted to meet the needs of the town, with the largest room serving as the council chambers when there is a town hall meeting or court session, and as a meeting room for the community when the court is not in session.

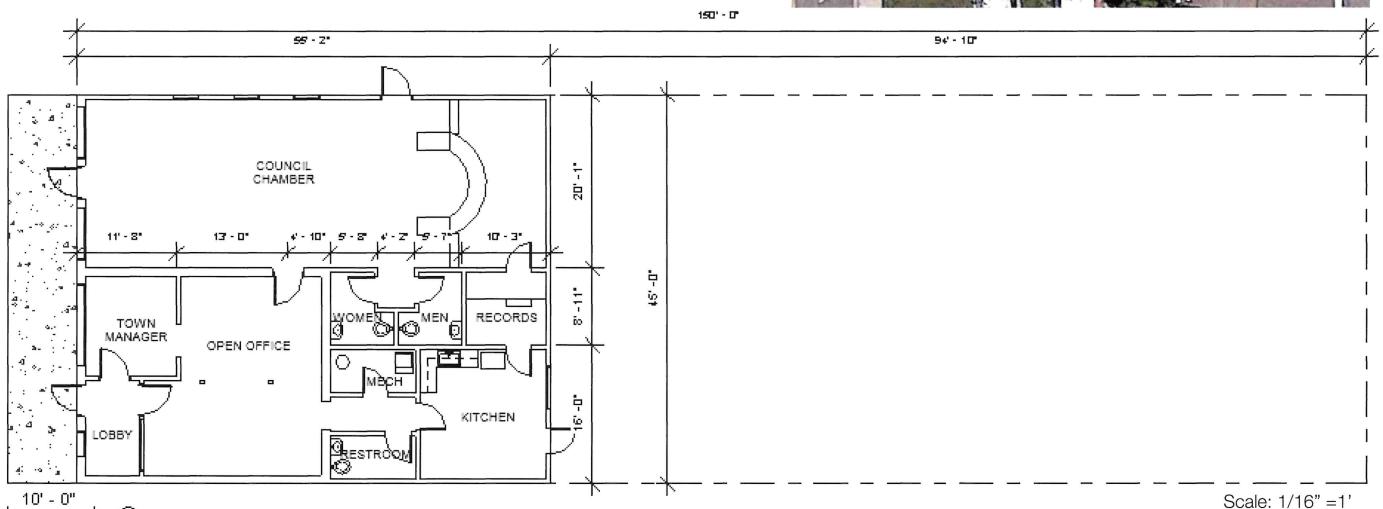
A very small lobby serves as the reception area and information center for visitors to the town, with the town manager's office sitting adjacent to this space. The main office space is open and shared, with communal desks and a small table for working or meeting. A narrow hallway leads to the kitchen, where boxes of files are stacked against the walls due to the limited amount of space in the records room. The kitchen serves a dual function of also being the judge's chambers or a meeting room for attorneys and clients.

The depth of the lot and the zero lot lines on the sides of the building (as shown in the image to the right) prompt an expansion on the rear of the existing building.

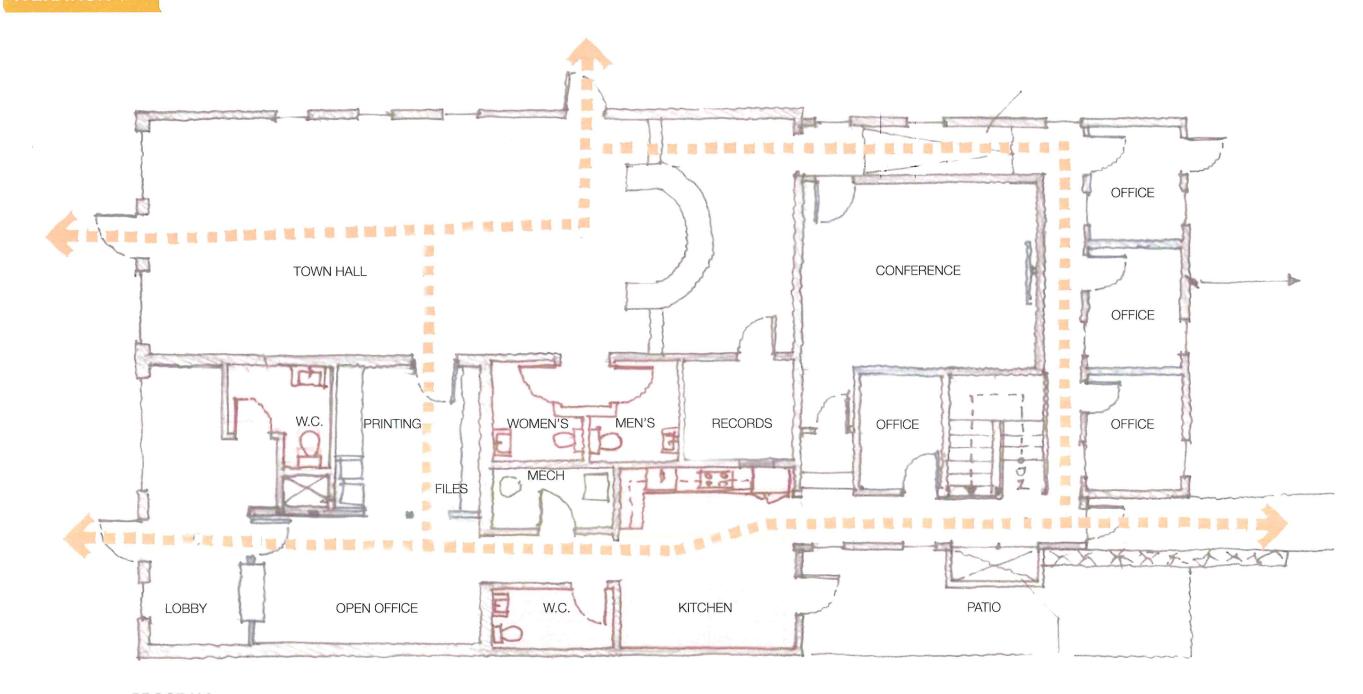
AERIAL VIEW



EXISTING LAYOUT



ITERATION 1

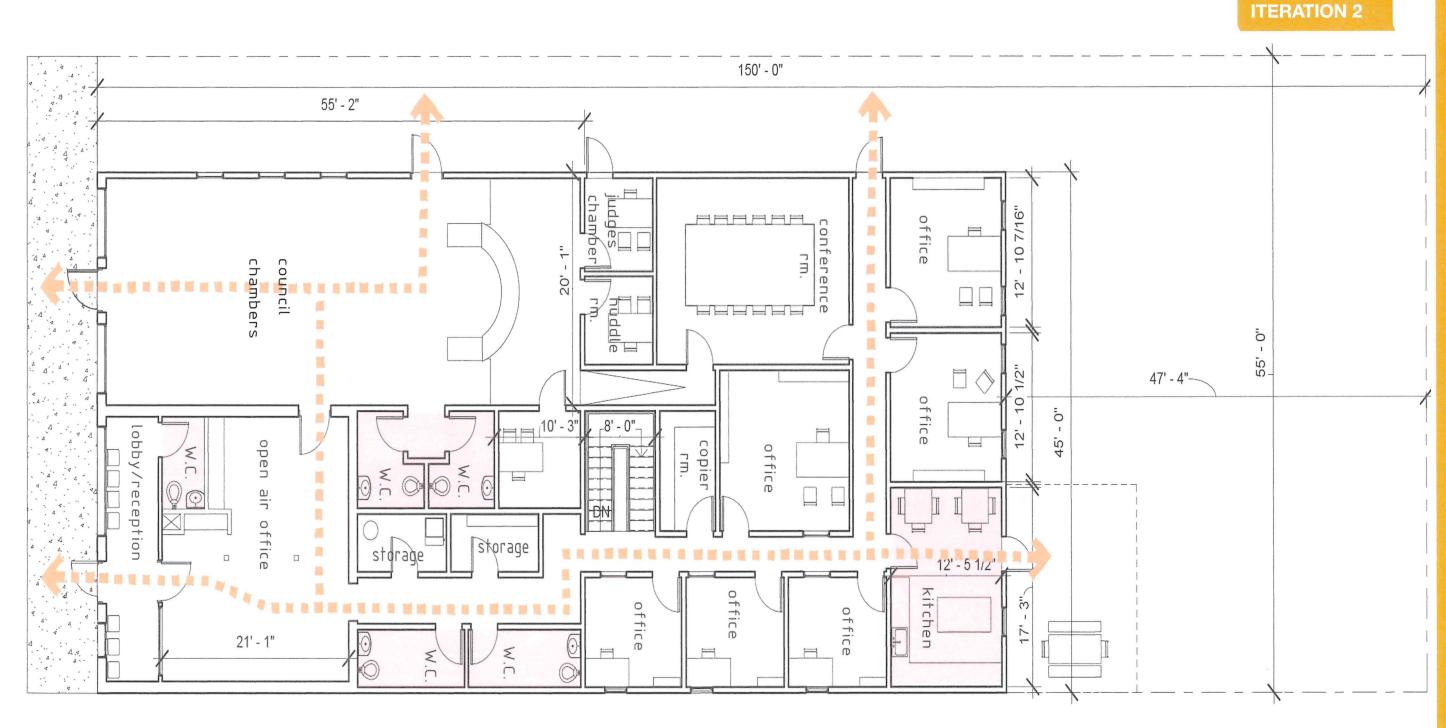


PROGRAM

4,000 SF Existing + 1,200 SF Addition (Not Including Basement)

- Offices (4)
- Conference Room (1)
- Council Chambers
- Judge's Chambers
- Lobby
- Kitchen

- Attorney/Client Meeting Room
- Restrooms (1 Women's and 1 Men's off the Council Chamber, 1 by the Kitchen, 1 new ADA Restroom by the Lobby)
- Open Office
- Flat Files and Printing Area
- Tornado Shelter (in basement)



PROGRAM:

- Offices (6)
- · Judge's Chamber
- Huddle Room
- Public Bathroom Up Front
- 2 Private Employee Bathrooms
- Kitchen and Break Room

- Open Office
- Conference Room
- Basement for Storage
- Copy Room
- 2 Storage Rooms
- Outdoor Patio

ITERATION 3



4 Private Offices 21 Open Office Work Stations 1,065 sq ft Council Chamber Kitchen with Break Room Table Lobby Public Women's Restroom Public Men's Restroom Private Women's Restroom Private Men's Restroom Copy Room Mechanical Room Conference Room/Executive Session Room Judge's Chamber with Separate Exit Attorney/Client Meeting Room 5 Storage Spaces (272 sq ft) 97 sq ft Tornado Shelter 291 sq ft Patio

OFFICE

COUNCIL CHAMBER + ASSOC. ROOMS

SERVICES (Restroom, Mechanical, Kitchen)

TORNADO SHELTER

SECURE ACCESS POINTS

N

Scale: 3/32" = 1'

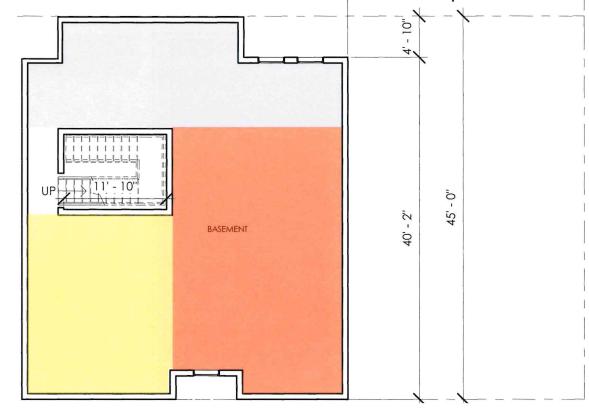
OPTION 1B: PRIVATE OFFICES 5,006 sq ft



VARIATIONS INCLUDED IN OPTION 1B: PRIVATE OFFICE SCHEME

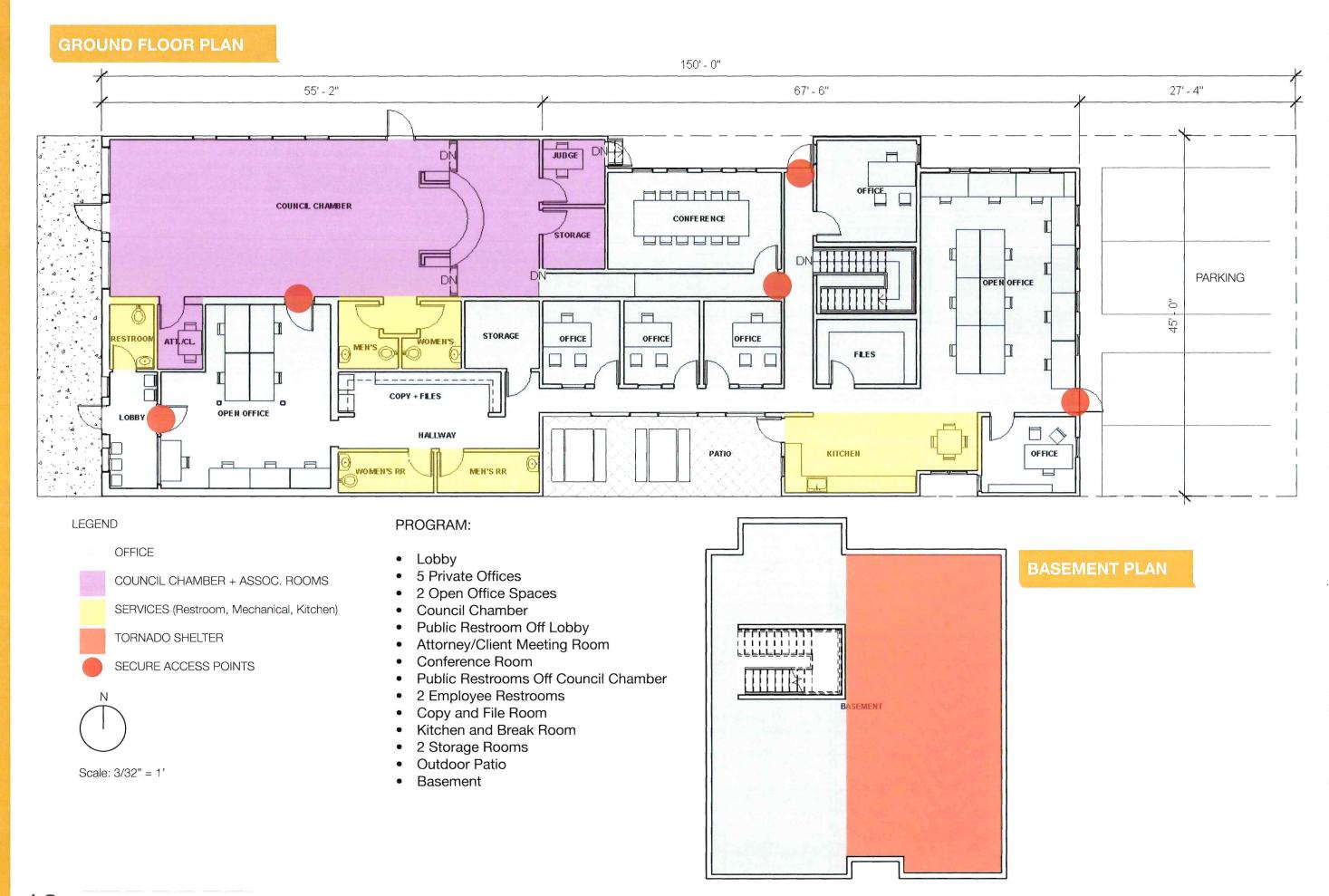
7 Private Offices 8 Open Office Work Stations 105 sq ft Tornado Shelter 6 Storage Spaces 308 sq ft)

OPTION 1C: BASEMENT 6,440 sq ft



VARIATIONS INCLUDED IN OPTION 1C: BASEMENT OPTION

1,456 sq ft basement (for files, tornado shelter, mechanical, possible office expansion) 1 Additional Private Office



Preliminary Opinion of Cost / Order of Magnitude

PROJECT NAME: Keenesburg Existing Town Hall Addition

Building Area Assumes town hall with square footage of 5,976

1	Office Space	4,092 sf
2	Council Chamber and Associated Spaces	1,167 sf
3	Services	717 sf

Assessment of Construction Cost							Lo	ow Range		Notes:				
Α.	Building Cost													
	osts of construction within 5 ft of build	ding)												
		Impacted												
		Square Footag	е	S	F Cost				s	F Cost				
OFF	ICES													
1.a	General Office	2,246	@	\$	170	=	\$	381,820	\$	200 =	STO	449,200	а	
1.b	Conference Room	262	@	\$	190	=	\$	49,780	\$	230 =	-	60,260		
1.c	Tornado Shelter	1,233	@	\$	75	=	\$	92,475	\$	125 =	- T	154,125		
1.d	Storage and Files	240	@	\$	75	=	\$	18,000	\$	125 =	_	30,000		
1.e	Copy Room	111	@	\$	100	=	\$	11,100	\$	150 =	*	16,650	b	
				Sul	ototal		\$	553,175	Su	btotal	\$	710,235		
	JNCIL CHAMBER													
2.a	Council Chamber	1061	@	\$	190	=	\$	201,590	\$	230 =		244,030		
2.b	Meeting Rooms	106	@	\$	190	=	\$	20,140	\$	230 =	-	24,380		
				Sul	btotal	=	\$	221,730	Su	btotal =	\$	268,410		
	VICES		_				•	04.000		000		70 700		
3.a	Restrooms	272	@	\$	225	=	\$	61,200	\$	260 =		70,720		
3.b	Mechanical	225	@	\$	148	=	\$	33,300	\$	178 =	_	40,050		
3.c	Kitchen	220	@	\$	250	=	\$	55,000		300 =	-	66,000 176,770		
		1.0	NIE A.		btotal	=	\$	149,500	Su	btotal =	_			
		LI	NE A:	101	al Cost	=	\$	553,175			, D	710,235		
B. Fixed Equipment			10% of Line A			\$	\$ 55,318		% of Line A	\$	71,024			
(Casi	ework, built-in shelving, etc)													
C.	Site Development			10	% of Line	e A	\$	55,318	109	% of Line A	\$	71,024		
(All s	ite work outside 5 ft of building)									THE RESERVE				
D. Estimated Total Construction Cost:			(A	+ B + C)	\$	663,810	(A	+ B + C)	\$	852,282			
Soft	Costs and Contingencies			51			Lo	ow Range	v Range			High Range		
Cos	ts to consider:													
E.	Site Acquisition / Demolit	tion		N/	Α				N/A	4			С	
F.	Moveable Equipment			10	10% of Line A		\$	55,318	109	10% of Line A		71,024		
(Gen	erally items not built in place)													
G.	Professional Fees			10	% of Lin	e D	\$	66,381	109	% of Line D	\$	85,228		
Н.	Contingencies			10	% of Lin	e D	\$	66,381	109	% of Line D	\$	85,228		
J.	Administrative Costs			2%	of Line	D	\$	13,276	2%	of Line D	\$	17,046		
	Subtotal of Soft Costs:			(E	thru J)		\$	201,356	(E	thru J)	\$	258,526		
K.	Total Budget Suggested	3 - 5 - 5 - 5		(D	+ E thru	u J)	\$	865,166	(D	+ E thru J)	\$	1,110,808		
	Total Budget Cost per Squ	are Foot						\$144.77				\$185.88		

Total Budget Cost per Square Foot

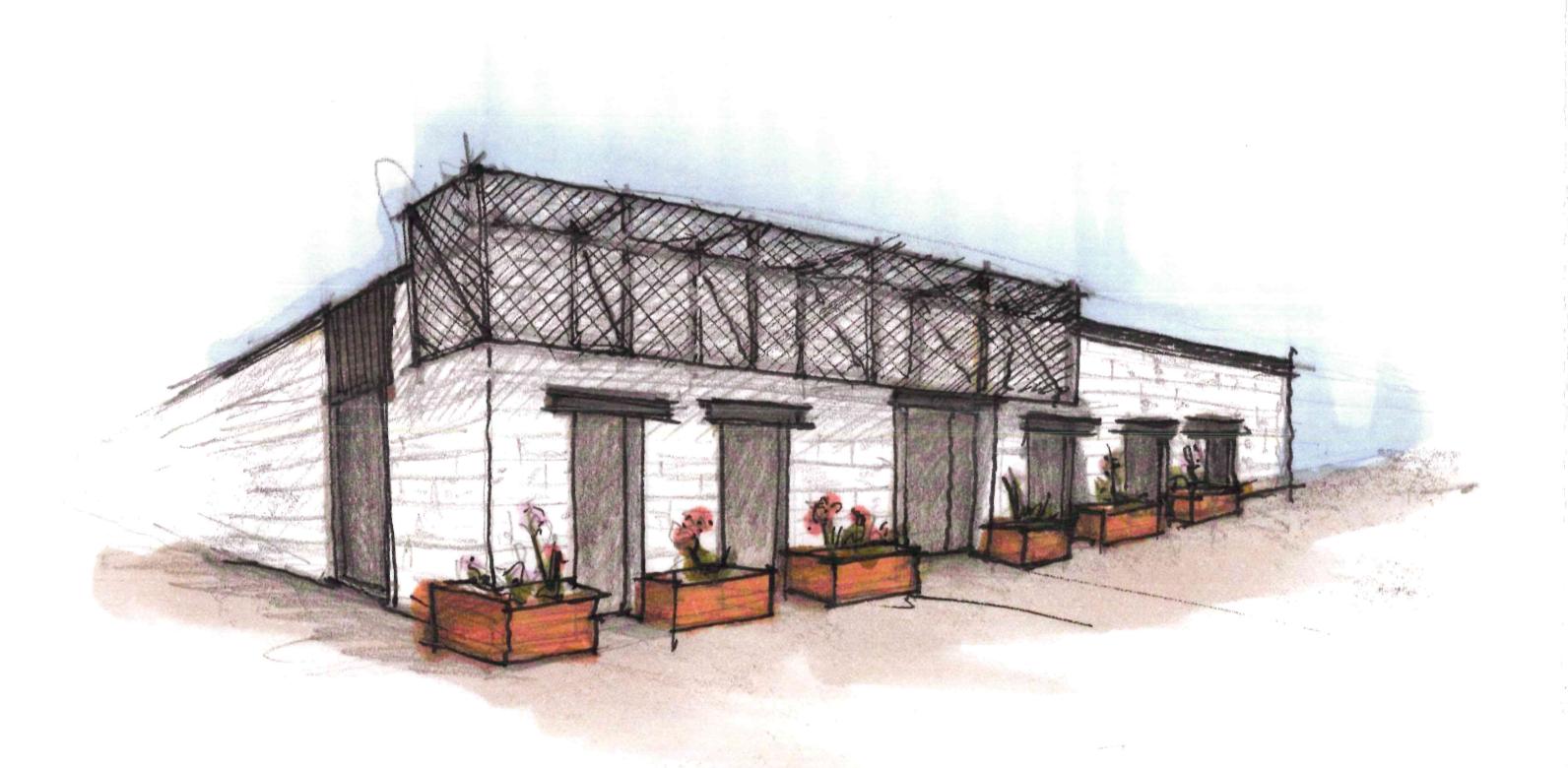
\$144.77

\$185.88

DATE: 2/11/2019

This cost estimate is based upon preliminary conceptual design and planning and should be used for information only for purposes of determining an order of magnitude. The estimate was completed without actual engineering and is subject to change. The estimate should be refined as more detailed design stages provide accurate quantities. The data used to compile the estimate is derived from industry standard sources such as 2016 RS Means data sets. Prices are subject to change with time and other industry related factors.

- Includes circulation square footage, such as hallways
- Includes some storage as well, but higher price per sq ft for electrical requirements of a copy room
- With existing site, it is assumed that only minimal building support development needed



DESIGN: ADMINISTRATION BUILDING

- ---- Site Analysis
- —— Existing Conditions
- ---- Preliminary Designs
- ---- Precedents
- ---- Preferred Design
- --- Opinion of Cost

LAND USE DIAGRAM



CIRCULATION DIAGRAM



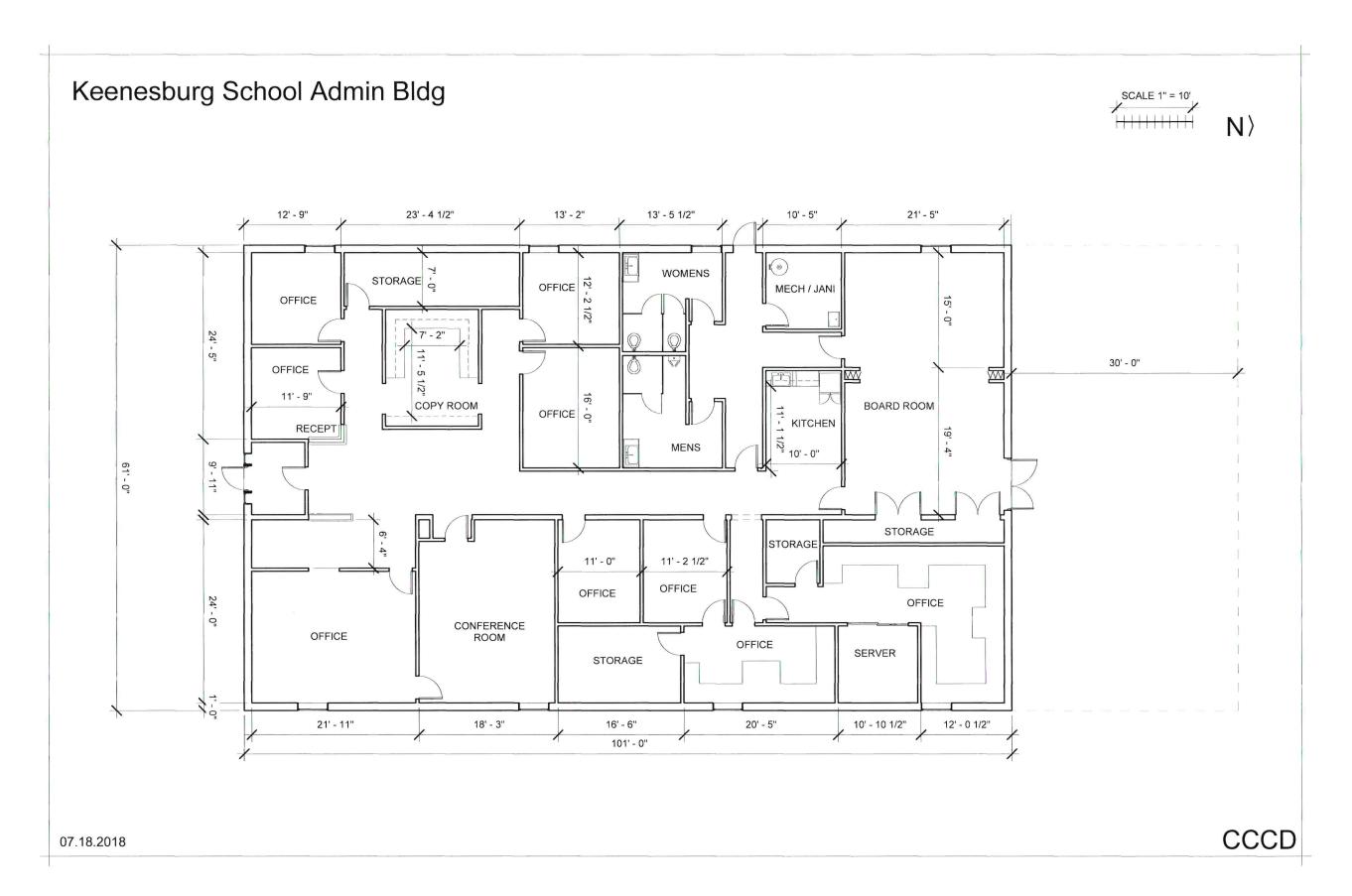
SIGHTLINES DIAGRAM



Sightlines were evaluated from I-76, Broadway, and Market Street. As the above diagram illustrates, the parcel containing the Keenesburg school and administrative building are visible from all the assessed view points, due to the site's proximity to the highway and minimal obstructions.

Circulation to and within the site was also evaluated, and despite the lack of sidewalks for pedestrian movement, the site is accessible by foot, and only a short 5 to 10-minute walk from Main Street and the existing town hall building.



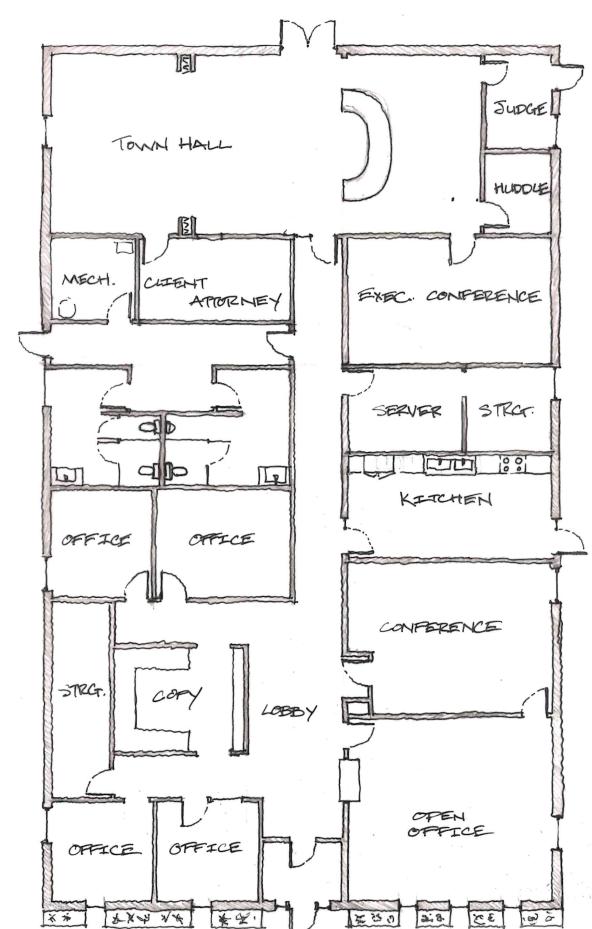


EXISTING CONDITIONS







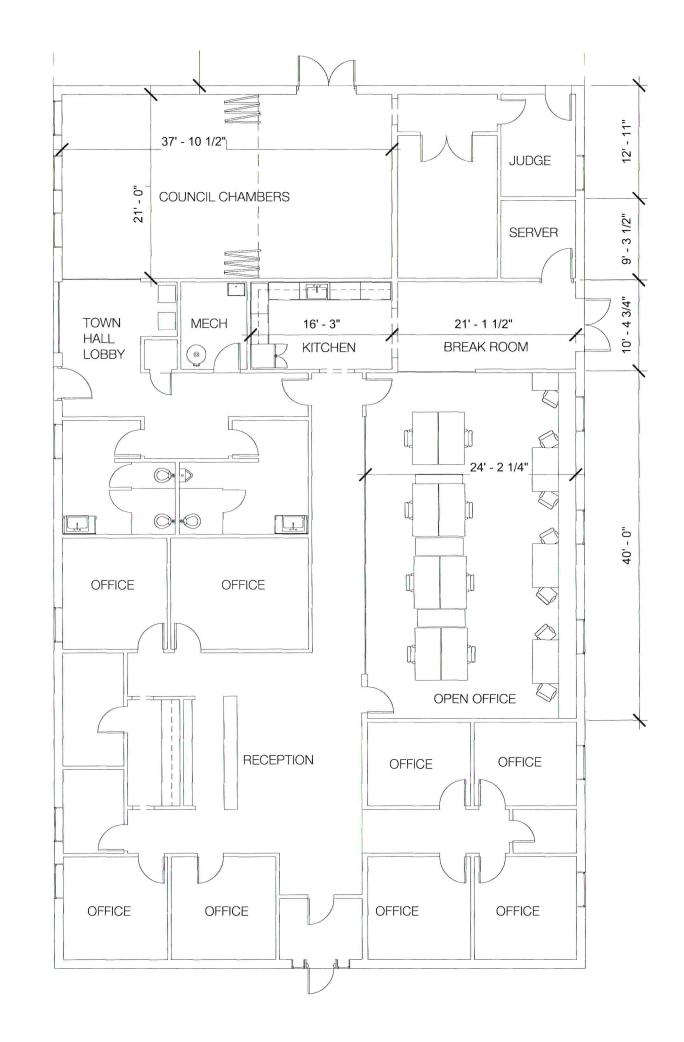


ITERATION 1

PROGRAM

10,000 SF

- Offices (4 Large)
- Conference Room (2)
- Council Chamber
- Judge's Chamber
- Huddle Room
- Attorney/Client Meeting Room
- Restrooms (1 Men's and 1 Women's)
- Lobby
- Copy Room
- Open Office Area
- Storage Room (2)
- Kitchen
- Server Room
- Mechanical Room





ITERATION 3

CURRENT ADMIN BUILDING 5,871 sq ft

WHAT YOU HAVE NOW:

7 Private Offices Kitchen Conference Room **Board Room** Copy Room 2 Bathrooms 2 Communal Office Spaces 4 Storage Spaces 1 Server Room 1 Mechanical Room

INCLUDED IN ADMIN BUILDING REDESIGN:

6 Private Offices 17 Open Office Work Stations 899 sq ft Council Chamber Lobby Kitchen Public Women's Restroom Public Men's Restroom Visitors Restroom Copy Room Mechanical Room Server Room Conference Room/Executive Session Room Judge's Chamber with Separate Exit 4 Storage Spaces (190 sq ft) 105 sq ft Patio

FAÇADE TREATMENTS AND WRAPS

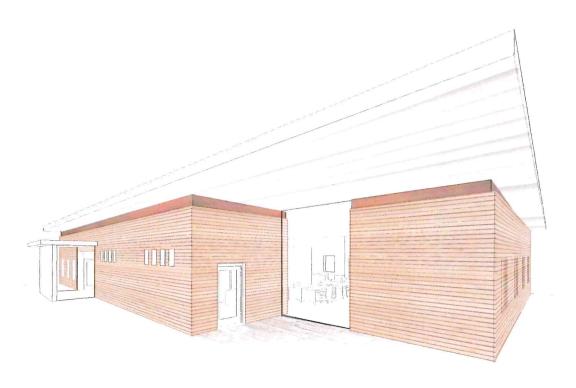


FIGURE 1: horizontal clapboard siding with metal cantilever



FIGURE 3: multicolor vertical siding with metal cantilever

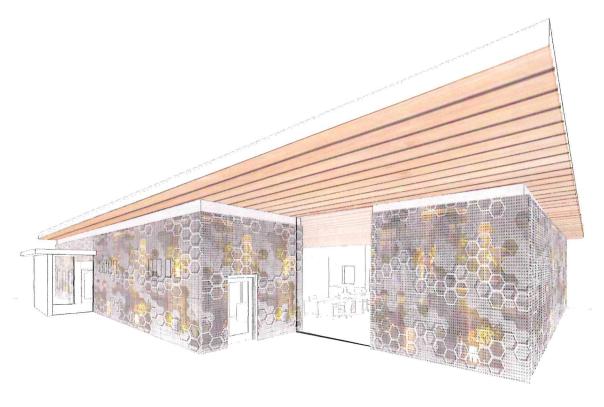


FIGURE 2: grated metal siding with wooden cantilever

The exterior of the administration building is currently composed of white painted CMU blocks. The figures on these pages illustrate different textures and façade applications that could be applied to the exterior of the building to make a more dramatic impression.

The corner of the building has been removed to create a new entrance, and a cantilevered roof has been added with a variety of treatments on the underside to further highlight the entrance.

In Figure 1, a narrow, warm-toned horizontal clapboard siding was applied to the building, as well as a slatted metal treatment overhead, with the intention of creating depth. Figure 2 shows a honeycomb-shaped metal grating that wraps around the building, changing color with weathering and time, with a warm wooden treatment overhead. In Figure 3, a multicolor vertical siding creates visual interest in a more artistic manner, and is further highlighted by the understated treatment on the cantilevered roof. Figure 4 on the facing page features both the weathered vertical clapboard siding and a wooden cantilevered roof, the unifying texture smoothing the transition.

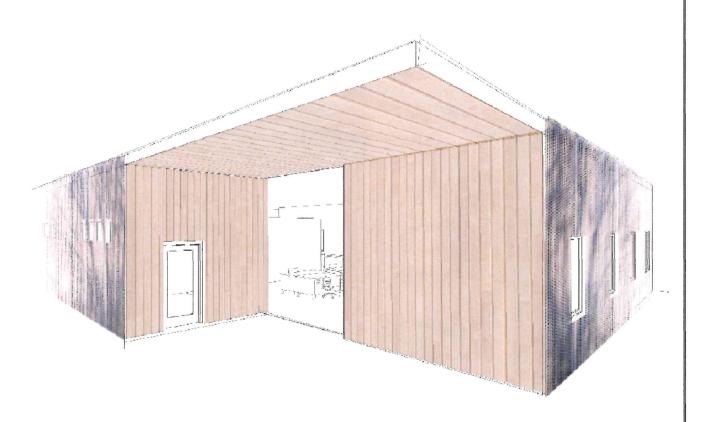
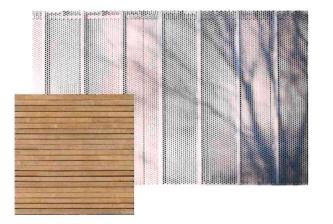


FIGURE 4: weathered wooden clapboard and cantilever

Applying a material wrapping to the existing CMU façade of the administrative building allows for easy maintenance and flexibility if town leadership decides to change the wrapping at a later date.

The community could also participate in the design of the exterior finishes, in a sense creating a "community canvas." The use of reclaimed rustic or antique materials could also make a significant statement about the history of the town and the future it hopes to build. The façade treatments give the building its own identity and help it to better blend with the adjacent historic 1920s brick structure.

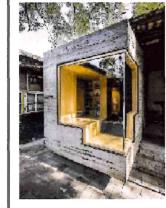
The variety of vertical | horizontal, textured wood | metal, rustic | modern, and simple | artsy combinations illustrate the breadth of choices and opportunities possible with the building. Any treatment applied to the façade would make a powerful statement and highlight the new town hall location. The precedent imagery to the right and on the following pages further exemplifies the variety of exterior façade treatments and building wraps, from singular materials to the concept of a "community canvas."

















PRECEDENT IMAGERY

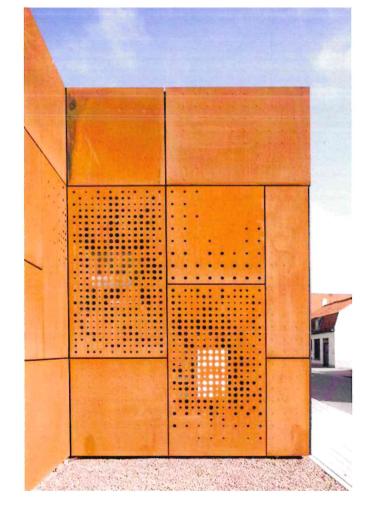










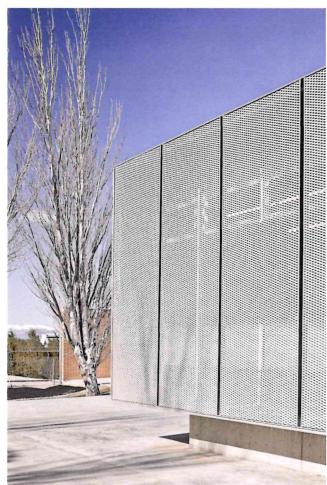


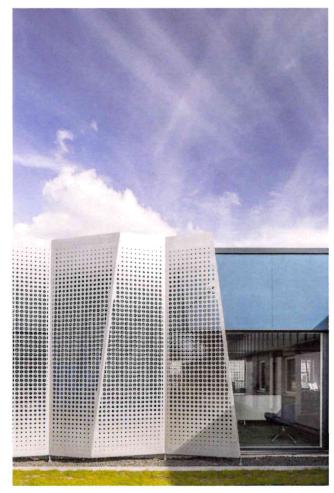




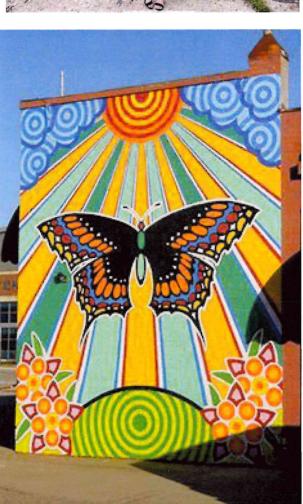






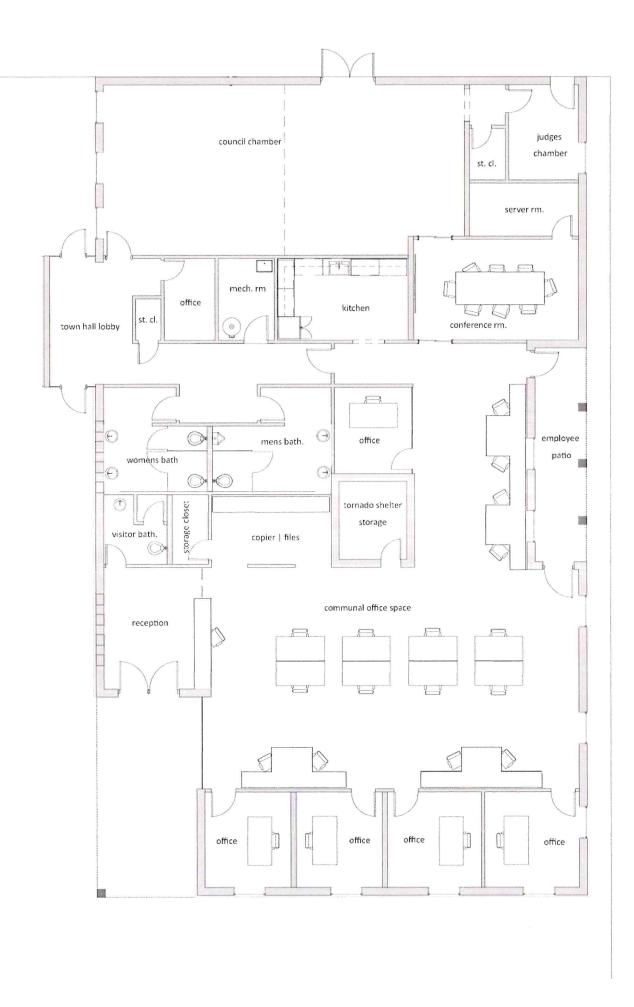






FINAL BUILDING LAYOUT

SCHOOL BUILDING



The Civic Campus

The building plan to the left (facing page) depicts the final layout produced after several iterations and through collaboration with town hall leadership on each successive revision. This layout achieves the goals and desires of town leadership, and provides ample space for the staff to grow. This layout features the council chambers at the rear of the building, with a private rear entrance/exit, as well as a new public entrance off the activated alley space between the administrative building and the historic school structure. The judge's chambers and a large conference room are conveniently located adjacent to the main council room.

The cut-out at the front southwest corner of the building creates a visually-interesting new entrance and reception area for visitors, and positions a communal office space and four private offices at the front of the building. This layout for the administrative building also features an employee patio on its east side.

The final site plan to the right (this page) illustrates how the spaces between and around the two buildings will be utilized to maximum benefit and how the new layout of the administrative building will create a pleasing flow to and from the exterior spaces. Landscaping around both buildings will create a unified appearance and cohesive experience for visitors to this new civic campus.



FINAL DESIGN CONCEPT RENDERING



This final concept rendering features the artsy "community canvas," green walls, floor-to-ceiling windows, and permeable pavers, and showcases the new cut-out entrance at the southwest corner of the building under the cantilevered roof.

Preliminary Opinion of Cost / Order of Magnitude

PROJECT NAME: Keenesburg Administration Building to Town Hall Remodel

Building Area Assumes basic recreation center @ 6,089 sf - Breakdown as follows:

1.a Admin. Building Interior Remodel

5,226 sf (Offices, Conference Room, Storage, Etc.)

1.b New Construction to Admin. Building

863 sf (Assembly Hall Entry, Town Hall Entry, Employee Patio)

Assessment of Construction Cost							L	ow Range	13,000	J. A. E.	Н	igh Range	Notes:
A. (All co	Building Cost osts of construction within 5 ft of building)	Impacted Square Footage	e	SF	- Cost				SF Co	st			
1.a	Admin. Building Interior Remodel	5,226	@	\$	150	=	\$	783,900	\$ 1	75 =	\$	914,550	а
	(wall reconfiguration, office additions,												
	electrical and plumbing, window placement)									1			
1 6	Now Construction to Admin Building	863		•	250	=	•	215,750	\$ 3	00 =	•	258,900	_
1.b	New Construction to Admin. Building	003	@	\$	250		\$	215,750	\$ 3	- 00	\$	256,900	а
	(tornado shelter, bathroom addition, employee patio town hall entry, assembly hall entry addition)												
		LIN	IE A:	Tota	al Cost	=	\$	783,900		=	\$	914,550	
В.	Fixed Equipment			109	% of Lir	ne A	\$	78,390	10% of	Line A	\$	91,455	
(Lock	ers, fixed seating, casework, etc.)												
C.	Site Development			109	% of Lir	ne A	\$	78,390	10% of	Line A	\$	91,455	
(All s	ite work outside 5 ft of building)												
D.	Estimated Total Construction Cost:			(A	+ B + (;)	\$	940,680	(A + B	+ C)	\$	1,097,460	
Soft Costs and Contingencies							L	ow Range					
	s to consider:								100000		Te at	igh Range	
E.	Site Acquisition / Demolition			N/A	Δ		\$		N/A		\$		b
F.	Moveable Equipment				% of Lir	ne A	\$	78,390	10% of	Line A	\$	91,455	C
(Con	erally items not built in place)												
G.	Professional Fees			109	% of Lir	ne D	\$	94,068	10% of	Line D	\$	109,746	
Н.	Contingencies				% of Lir		\$	94,068	10% 01		\$	109,746	
J.	Administrative Costs			2%	of Line) D	\$	18,814	2% of l	ine D	\$	21,949	
	Subtotal of Soft Costs:			(E	thru J)		\$	285,340	(E thru	J)	\$	332,896	
K.	Total Budget Suggested			(D	+ E thr	u J)	\$	1,226,020	(D + E	thru J)	\$	1,430,356	
	Total Budget Cost per Square Foot							\$201.35				\$234.91	-

This cost estimate is based upon preliminary conceptual design and planning and should be used for information only for purposes of determining an order of magnitude. The estimate was completed without actual engineering and is subject to change. The estimate should be refined as more detailed design stages provide accurate quantities. The data used to compile the estimate is derived from industry standard sources such as 2016 RS Means data sets. Prices are subject to change with time and other industry related factors.

Notes:

- a Indicates total new building construction area broken out due to cost differences
- b Assumed that site is already procured existing
- c With existing site, it is assumed that only minimal building support development needed



ACKNOWLEDGMENTS

- About CCCD & UTA
- About the Staff

The Colorado Center for Community Development (CCCD) is a clinical teaching practice of the University of Colorado Denver, College of Architecture and Planning. Our mission is to provide students with real world experiences in design and planning as they provide communities and neighborhoods with services in these areas.

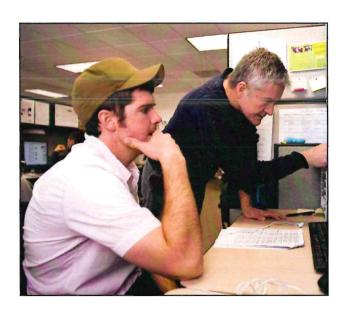
CCCD strives to enhance the quality of community life – through collaboration, applied research and innovative design – for the betterment of all community residents. In the process, students' educational experience is enhanced by taking what is learned in the classroom and academic studio and employing it in projects of public and civic interest. Communities benefit through design work that is continuously being improved through research and innovation. Moreover, together we become partners in the design thinking process, thus expanding our mutual and individual capacities to further envision and implement projects of significant public impact. Started in 1967, CCCD has worked in partnership with communities and neighborhoods to complete over 2000 projects around Colorado. Projects range in size and scope, but have the common element of improving the community as a place to live, work and play. CCCD is among the longest running university design centers in the United States and will be celebrating its 50th anniversary in 2017.

The University Technical Assistance (UTA) program provides rural and small communities with assistance on projects that enhance places and spaces. A decades-long partnership between the Colorado Department of Local Affairs (DOLA) and CCCD, the UTA program puts the cost of preliminary design work within financial reach of small communities. Students complete preliminary plans and designs that can be used to inform and engage community members in the project. These plans are used to apply for grants from DOLA and other funders. This saves the community money in preliminary design and community engagement and provides students with valuable experience. Once financing is secured, licensed professionals are hired to take preliminary designs to completion.











Jennifer Kovarik Supervisor

Jennifer Kovarik is the University Technical Assistance (UTA) field supervisor for Northeast Colorado. Jennifer received her Master of Urban and Regional Planning and Master of Landscape Architecture degrees from the University of Colorado Denver. She holds a B.S. in National Resources and Environmental Science from the University of Illinois at Champaign-Urbana. She is a Professional/Registered Landscape Architect in the State of Colorado and has American Institute of Certified (AICP) Certification. Jennifer enjoys the variety and complexity of projects in rural Colorado.



Taylor Chesnovar Architecture Intern

Born and raised in Wyoming, Taylor has a passion for rural places throughout the Mountain West His free time is spent exploring these places: fishing, drawing, and playing soccer. He completed both his Bachelors and Masters Degree in Architecture at the University of Colorado Denver.



Cherryl Agosto Architecture Intern

Cherryl Agosto is a Master of Architecture and Historic Preservation candidate at the University of Colorado Denver. Born in Monterey, California into a military family, she is a seasoned traveler and credits her passion for architecture to living and traveling in places like Germany and Egypt. She received her B.S. in Architecture from SCAD in Savannah, Georgia with the help of a full-ride R.O.T.C scholarship. Cherryl moved to Denver in 2014 and has worked in a firm designing structural floor and roof systems, all the while pursuing two master's degrees. Historic preservation, adaptive reuse, and sustainable architectural design are Cherryl's forefront interests, and she hopes to continue working for non-profit firms helping communities maintain their historic identities and character. Cherryl's other passions include pie baking and eating, along with running and hiking, naturally.



Kate Farrington Architecture Intern

Kate Farrington is a Master of Architecture candidate and grew up in Portland, Oregon. After receiving a Bachelor's degree in Environmental Studies and Geology from Whitman College, she explored work ranging from environmental advocacy to natural building construction. An interest in both science and design, and a fascination with improving the spaces with which people interact everyday, led her to architecture. She spends her weekends hiking, making pottery, gardening, and building all sorts of things.



Areti Athanasopoulos Landscape Architecture Intern

Areti Athanasopoulos, a Colorado native, earned her Bachelor of Arts degree in French and Italian from the University of Colorado at Boulder. A love of performing led her to Los Angeles where she worked as an actor and writer, as well as in arts education administration at the Wallis Annenberg Center for the Performing Arts. After six years she decided to return to Denver to pursue another passion- landscape architecture. She is currently in her third year at the University of Colorado Denver, working toward master's degrees in Landscape Architecture and Urban & Regional Planning. Areti's core mission is to ameliorate living conditions for people in developing countries and to create a more equitable world through empathetic spatial design. She is an advocate for environmental justice and refugee rights, and is an active volunteer with the International Rescue Committee.



Contact Us to Learn More

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