ANN ARBOR HISTORIC DISTRICT COMMISSION

Staff Report

ADDRESS: 711 West Jefferson Street, Application Number HDC21-223

DISTRICT: Old West Side Historic District

REPORT DATE: July 8, 2021

REPORT PREPARED BY: Jill Thacher, Historic Preservation Coordinator

REVIEW COMMITTEE DATE: Tuesday, July 6, 2021

OWNER APPLICANT

Name: Craig Holland & Sarah Robbins Charles Bultman
Address: 711 West Jefferson 1009 Broadway

711 West Jefferson 1009 Broadway
Ann Arbor, MI 48103 Ann Arbor, MI 48015

Phone: (734) 223-1358

BACKGROUND: This two story Queen Anne was built in 1895 and was first occupied by John Steinke, a laborer. The house remained in the Steinke family until 2010, when it was sold to the current owner. It features a full-width front porch with turned posts, a two story cross-gable on the east side, and a textured block foundation. There is a one-and-a-half story barn on the property that is a contributing structure.

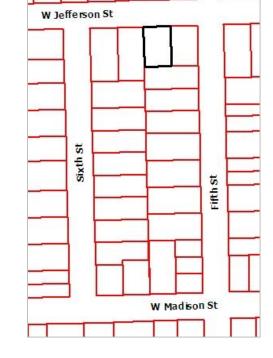
In 2013 an application for a two-story rear addition was approved by the commission and constructed.

LOCATION: The property is located on the south side of West Jefferson Street, between Fifth and Sixth Streets.

APPLICATION: The applicant seeks HDC approval to alter the existing barn by adding a rear shed dormer, altering the side and rear elevations by adding windows, sliding doors and a person door, replacing four original windows, infilling a hatch opening on the front with glass and fixing the hatch open, replacing the rafters and reroofing, and installing insulation and recladding the structure.

APPLICABLE REGULATIONS:

From the Secretary of the Interior's Standards for Rehabilitation:



(1) A property will be used as it was historically or be given a new use that requires minimal change to its distinctive materials, features, spaces, and spatial relationships.

- (2) The historic character of a property will be retained and preserved. The removal of distinctive materials or alteration of features, spaces, and spatial relationships that characterize a property will be avoided.
- (5) Distinctive materials, features, finishes, and construction techniques or examples of craftsmanship that characterize a property will be preserved.
- (6) Deteriorated historic features will be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature will match the old in design, color, texture, and, where possible, materials. Replacement of missing features will be substantiated by documentary and physical evidence.
- (9) New additions, exterior alterations, or related new construction shall not destroy historic materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the massing, size, scale, and architectural features to protect the historic integrity of the property and its environment.
- (10) New additions and adjacent or related new construction shall be undertaken in such a manner that if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.

From the Secretary of the Interior's Guidelines for Rehabilitating Historic Buildings (other SOI Guidelines may also apply):

Roofs

<u>Recommended:</u> Designing additions to roofs such as residential, office, or storage spaces; elevator housing; decks and terraces; or dormers or skylights when required by the new use so that they are inconspicuous from the public right-of-way and do not damage or obscure character-defining features.

<u>Not Recommended</u>: Changing the configuration of a roof by adding new features such as dormer windows, vents, or skylights so that the historic character is diminished.

Windows

<u>Recommended:</u> Identifying, retaining, and preserving windows – and their functional and decorative features – that are important in defining the overall historic character of the building. Such features can include frames, sash, muntins, glazing, sills, heads, hoodmolds, paneled or decorated jambs and molding, and interior and exterior shutters and blinds.

Designing and installing additional windows on rear or other non-character-defining elevations if required by the new use. New window openings may also be cut into exposed party walls. Such design should be compatible with the overall design of the building, but not duplicate the fenestration pattern and detailing of a character-defining elevation.

<u>Not Recommended:</u> Removing or radically changing windows which are important in defining the overall historic character of the building so that, as a result, the character is diminished.

Introducing a new design that is incompatible with the historic character of the building.

District or Neighborhood Setting

<u>Not Recommended</u>: Introducing new construction into historic districts that is visually incompatible or that destroys historic relationships within the setting.

From the Ann Arbor Historic District Design Guidelines (other Guidelines may apply):

Residential Accessory Structures

<u>Appropriate:</u> Maintaining and restoring historic barns, garages, sheds, trellises, and other accessory structures to match the historic materials and configuration.

Maintaining and repairing historic doors and windows on historic barns and garages to match the existing materials and configuration.

Where elements of historic out-buildings are deteriorated beyond repair, replacing the elements in kind.

Not Appropriate: Replacing repairable original historic doors, garage doors, and windows.

Altering historic barns, garages, and sheds by using materials, configurations, and designs that do not match the existing or historic appearance.

Roofs

Not Appropriate: Adding chimneys, cupolas, or dormers where not appropriate.

Windows

<u>Appropriate:</u> Repairing windows in somewhat good condition, by installing some new wood pieces or laying epoxy into sills, jamb, or sash. Deteriorated parts, such as stops and sash cords, should be replaced.

Replacing seriously deteriorated components that cannot be repaired with like material, identical layout, muntin size, glass area, and stile size t the original. Insulated glass is permitted when sash replacement is permitted using interior and exterior muntins with a spacer bar that replicates the original window.

STAFF FINDINGS:

- Staff has requested additional and updated drawings, including existing elevations; dimensions of the building, windows, and doors; window and door materials and dimensions and window profiles; whether the fascia on the front elevation is original or added to hold the gutter; etc. If this information is received in time, commissioners will be notified, and the attachments will be updated.
- 2. North Elevation. On the front elevation, the two pairs of double-leaf doors remain. The hay door on the upper floor would remain, but the opening infilled with a piece of fixed

- glass. A new header is proposed above the double-leaf doors. This header causes an increase in the distance between the hay door and the leaf doors (staff believes the leaf doors are getting shorter, but this needs confirmation). This header area is proposed to have horizontal siding to match the existing.
- 3. West Elevation. This elevation currently has a single six-lite window centered on each floor. They appear to be the same size. Proposed is a replacement six light window on the upper floor with four additional matching windows in a row beneath it. On the ground floor are two pairs of sliding doors with 24 lites each. This is the most radically changed of the elevations.
- 4. South Elevation. In the upper story, the dormer would be invisible from the street and would provide headroom in the upper story of the barn. On the first story, one existing 2/2 window appears to be replaced with a 9/9 and the other replaced by a door, though they could each be shifted outward slightly. When existing elevation drawings are received it will confirm whether the door and window are where the two windows are currently, or if they are each shifted.
- 5. East Elevation. A window in a new opening is proposed to be added, and four existing windows would be replaced. The new window appears to match the dimensions of the existing one on the first floor.
- 6. The section detail on sheet A-5 shows 4 1/2 "thick structural insulated panels (SIPs) attached to the existing siding and framing, with new horizontal wood siding on the exterior. The double-leaf doors have a note that they will be relocated (because of the added thickness of the walls from the SIPs) and that as much of the existing wood and hardware would be reused as possible.
- 7. The wide board siding is a character-defining feature of the barn, and staff has concerns that the siding width is not indicated on the application. Matching the existing dimension of the siding has been include in the possible motion below as a condition of approval.
- 8. The building has suffered from neglect for many years, some of which the applicant describes in the cover letter. It is staff's opinion that it is preferable to keep the building standing and renovate it now rather than let it fall down and require a replica to be built to replace it. The extent of the alterations is substantial, but by keeping the front elevation as true to the original as possible, this work would result in a barn that looks largely the same, though perhaps not as old, and result in a usable structure that will last for many years. The work would result in a barn that approximates the existing barn but is more of a rebuild than a restoration. As such, staff believes the work is appropriate. If the commission feels that a restoration is required by the standards and guidelines, fewer changes to the existing windows and fewer new windows in new openings would be more appropriate.

POSSIBLE MOTION: (Note that the motion below is only a suggestion. The Review Committee, consisting of staff and at least two Commissioners, will meet with the applicant on site and then make a recommendation at the meeting.)

I move that the Commission issue a certificate of appropriateness for the application at 711 West Jefferson Street, a contributing property in the Old West Side Historic District, to alter the existing barn by adding a rear shed dormer, altering the side and rear elevations by adding windows, sliding doors and a person door, replacing four original windows, infilling a hatch opening on the front with glass and fixing the hatch open, replacing the rafters and reroofing, and installing insulation and recladding the structure on the following condition: That the exterior cladding matches the materials and dimensions of the existing wide-board cladding. As conditioned, the work is compatible in exterior design, arrangement, materials, and relationship to the house and the surrounding area and meets the *City of Ann Arbor Historic District Design Guidelines*, in particular for Residential Accessory Structures and Roofs, and *The Secretary of the Interior's Standards for Rehabilitation* and *Guidelines for Rehabilitating Historic Buildings*, in particular standards 1, 2, 5, 6, 9 and 10 and the guidelines for Roofs, District or Neighborhood Setting, and Windows.

MOTION WORKSHEET

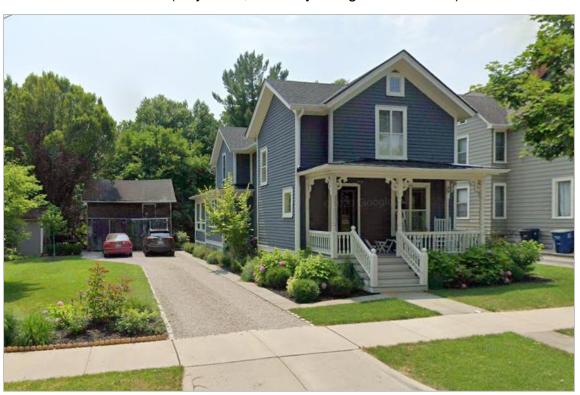
I move that the Commission issue a Certificate of Appropriateness for the work at <u>711 West</u> <u>Jefferson Street</u> in the <u>Old West Side</u> Historic District

Provided the following condition(S) is (ARE) met: 1) STATE CONDITION(s)

The work is generally compatible with the size, scale, massing, and materials and meets the Secretary of the Interior's Standards for Rehabilitation, standard(S) number(S) (circle all that apply): 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

ATTACHMENTS: application, drawings, photos

711 W Jefferson Street (July 2019, courtesy Google Street View)





HISTORIC DISTRICT COMMISSION

PLANNING AND DEVELOPMENT SERVICES

City Hall: 301 E. Huron St. Ann Arbor, MI 48104-6120 P.O. Box 8647, Ann Arbor, MI 48107-8647 Mailing:

Phone: 734.794.6265 ext. 42608

jthacher@a2gov.org

Fax: 734.994.8460

APPLICATION MUST BE FILLED OUT COMPLETELY

LDG#DATE STAMP
DATE STAMP
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PROPERTY LOCATIO	ON/OWNER INFORMATION				
NAME OF PROPERTY OWNER			н	HISTORIC DISTRICT	
Craig Holland & Sa	arah Robbins			Old West Side	
PROPERTY ADDRESS					CITY
711 West Jeffersor	ı St.	-			ANN ARBOR
ZIPCODE	DAYTIME PHONE NUMBER	EMAIL ADDRESS			
48103	(617) 320-1033	craig.h.holland@gmail.com	n		
PROPERTY OWNER'S ADD	DRESS (IF DIFFERENT FROM ABOVE)		CI	TY	STATE, ZIP
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PROPERTY OWNER	'S SIGNATURE				
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APPLICANT INFORM	MATION				
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	dway Street				^{CITY} Ann Arbor
STATE	ZIPCODE	PHONE / CELL#		FAX No	
Michigan	48105	(734)	223.1358	1)
cbultman@flash.net					
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PROPOSED WORK					
Describe in detail ed	ach proposed exterior alteration, im	provement and/or repair (use additional p	paper, if necessary).	
See the attac	ched document				
	*				
DESCRIBE CONDITION	ONS THAT JUSTIFY THE PROPOSED	CHANGES:			
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See the attached document					
		Acres de la companya			
For Further Assistance	e With Required Attachments, please vi	sit <u>www.a2gov.org/hdc</u>			



HISTORIC DISTRICT COMMISSION APPLICATION

FEE CHART						
DESCRIPTION						
STAFF REVIEW FEES	FEE					
Application for Staff Approval	\$35.00					
Work started without approvals	Additional \$50.00					
HISTORIC DISTRICT COMMISSION FEES						
All other proposed work not listed below	\$100.00					
Work started without approvals	Additional \$250.00					
RESIDENTIAL – Single and 2-story Structure						
Addition: single story	\$300.00					
Addition: taller than single story	\$550.00					
New Structure - Accessory	\$100.00					
New Structure – Principal	\$850.00					
Replacement of single and 2-family window(s)	\$100 + \$25/window					
COMMERCIAL – includes multi-family (3 or more unit)						
structures	4700.00					
Additions	\$700.00					
Replacement of multi-family and commercial window (s)	\$100 + \$50/window					
Replacement of commercial storefront	\$250.00					
DEMOLITION and RELOCATION						
Demolition of a contributing structure	\$1000.0					
Demolition of a non-contributing structure	\$250.00					
Relocation of a contributing structure	\$750.00					
Relocation of a non-contributing structure	\$250.00					

FOR COMMISSION REVIEWS:

- Application withdrawals made before public notice is published will qualify for a 50% refund of the application fee.
- Application withdrawals made after public notice is sent but before the public hearing will qualify for a 25% refund of the application fee.

INSTRUCTIONS FOR SUBMITTING APPLICATIONS

All HDC applications must be signed by the property owner and the applicant, if different, with the exception of staff approvals, which may be signed by only the applicant.

All completed HDC applications and their attachments may be submitted to Planning and Development Services by mail, in person (paper or digital), faxed, or via email to building@a2gov.org.

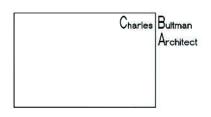
We accept CASH, CHECK, and all major credit cards. Checks should be made payable to "City of Ann Arbor"

HDC applications that are incomplete or not submitted with the required documentation or payment will not be processed or approved.

APPLICATION EXPIRATION

HDC applications expire three (3) years after the date of approval.

OFFICE USE ONLY					
Date of Hearing:					
Action	☐ HDC COA	☐ HDC Denial			
Action	☐ HDC NTP	☐ Staff COA			
Staff Signature					
Comments					
Fee:	\$				
Payment Type	☐ Check: # ☐ Cash ☐ Credit Card				



734 · 223.1358 P. O. box 3469 · ann arbor, mi 48106

18 June 2021

Re: Robbins Holland Carriage House - 711 Jefferson Street

Proposed work:

The work is to underpin the existing wood framed carriage house and fully insulate it, so that it can be used as a year-round office studio space for the homeowner to work from. The building will not be enlarged other than the thickness of added materials, and it will not be moved. The roof slope on the street side (north) will remain as it is today, while a dormer will be added to the south side (not seen from the street) for head room inside. The windows will be replaced with insulated windows in the sizes and proportions of the current windows, which are single-pane and rotting.

Describe conditions that justify the proposed change:

This is a classic example of a building that falls in-between. With a 360 square foot footprint, and a 13-foot plate height, it is too big to be a simple backyard storage building. And only 18 feet deep, and 20 feet wide, it is too small to be a garage in the 21st century, or even an ADU... But it is charming.

The building is also in rough shape. Its roof failed long ago as it has been neglected for many years (by other owners). The hole in the roof now lets rain water trace through the interior; always a bad thing to report. And this is taking its toll on the interior framing and wooden loft floor. There are quite a few components showing signs of damage. As such, along with the above, it is a perfect candidate to be torn down... But it is still charming.

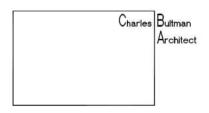
As charming as it may be, if a building has no use, people will not invest in keeping that building in a state of repair. We sometimes call that 'demolition by neglect'. And while demolition by neglect may be frowned upon, or even unlawful, people employ that tactic all of the time; whether consciously or not. But we do not want that to be the fate for this building. Therefore this proposal.

We would like to conserve this resource and put it to use as a home office and workspace for the current residents. It will be heated and will have a modest pluming system for a bathroom. To do this we will be required to meet all of the codes for an occupied building.

Right now, the building is a weathered volume. The current wood siding appears to have never been painted, and some of the trim appears to have had a thin white finish; possibly white milkpaint. As mentioned, some of the siding, trim and most of the roof is rotten. But it is our desire to salvage as much of the rest of the building as possible, and reuse it, to allow this building to have a new life for many years to come.

It is therefore our intention to keep as much of the wood as we can while we refurbish the structure. While the roof has rotten rafters and boards, we believe much of the rest of the building is sound enough to remain. Our project will add a code compliant foundation below the building, and we will insulate the volume as required to allow for permanent use. We will also provide new insulated windows in the envelope, similar to the existing, where they can be seen from the street. And where they cannot be seen from the street we will provide larger windows for egress and light, as well as new doors.

Where additional materials are needed, we will acquire weathered materials that will have a similar look to the present materials. And where finish is needed we will have craftspeople do the work such that the building will feel like it has not changed at all.



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7 July 2021

Additional information based on questions received from Jill Thatcher on 1 July 2021:

Existing condition elevations ave been added to the drawings. They include the sizes of the existing windows as well as the size of the proposed windows. The proposed windows are to be Marvin's Ultimate Series windows with Simulated Divided Lites with bars within the glass. The muntins are to be the narrowest offered by Marvin. Drawing A-6 has the windows' details.

The windows were selected with the traditional muntin patterns so that all of the lites are small as they would have been when this building was built.

Per the drawings, the existing building is to be clad with SIPS to ensure that all of the non-rotten parts of the building will be saved and continue to be a functioning part of this building. As stated earlier, we are aware that the roof's rafters are rotten, as is a portion of the roof boards. We will be replacing those with comparable materials. The holes in the roof have also taken a toll on the loft framing, which will also be replaced if structurally required. Other than that we do not expect there to be too much of the exterior walls that cannot remain. The SIPS are to be clad with 8 to 12 inch wide gray wood boards that will be very comparable to the siding that is there today.

It is our observations that the west elevation had some kind of other wall finish on it in the past. The boards high up are bright wood; evident that they have not been exposed to the weather. There is also evidence that there had been corner boards. We decided it was most likely that that elevation matched the east elevation, having a horizontal board below the upper windows. Including this balances the building as it would be strange to have one but not the other.

The existing wood doors (5) will be reused as the outer doors for the large openings on the north elevation.

On the north elevation, a fascia board was added to the rafter tails to facilitate the addition of a gutter, sometime in the past. This was not added to the south elevation as there was no door to protect. There is little doubt this decision did however contribute to the rot on the bottom of the south wall. Given that we would like to provide a new entry door on the south wall we would also like to have gutters there. However we can accommodate the gutter without needing a fascia board.

There will be just a few vents required for the building. A vent through the roof will be needed on the south slope of the roof and a vent for the furnace will be needed through the south wall. Both are shown on the elevations.

ROBBINS / HOLLAND CARRIAGE HOUSE

Charles Bultman Architect

DRAWING INDEX

6-1 SITE PLAN & GENERAL NOTES

EX-1 FRONT ELEVATION - EXISTING

EX-2 SIDE ELEVATION - EXISTING

EX-3 REAR ELEVATION - EXISTING

EX-4 SIDE ELEVATION - EXISTING

EX-5 ist FLOOR PLAN - EXISTING

EX-6 LOFT FLOOR PLAN - EXISTING

-I FRONT (NORTH) ELEVATION

A-2 SIDE (WEST) ELEVATION

A-3 REAR (SOUTH) ELEVATION

A-4 SIDE (EAST) ELEVATION

WINDOW DETAILS

A-5 WALL SECTION

4-6

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3'-Ø" ACC. SETBACK

(EXG. 1½ STORY (WOOD FRAMED

TO REMAIN

CARRIAGE BLDG

N O N

DESIGN CRITERIA

BUILDING CODE - 2015 INTERNATIONAL RESIDENTIAL CODE & MICHIGN REHABILITATION SUBCODE

OCCUPANCY - RESIDENTIAL GROUP R-3

CONSTRUCTION TYPE - TYPE 5B

FIRE PROTECTION - NO SPRINKLER

cbultman • flash.net

GENERAL NOTES

734 223 1358 P. O. Box 3469 ann arbor, mi 48106

THE CONTRACTOR AND SUB-CONTRACTORS ARE TO PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, AND THE FINAL FINISHED PROJECT AS OUTLINED AND REQUIRED BY THE PLANS, SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS, AND SHALL BE SUPPLIED BY THE CONTRACTOR AS PER GOVERNING AND STATE AND LOCAL CODES AND ANY OTHER REGULATIONSAND CODES HAVING LOCAL JURISDICTION. THE WORK SHALL INCLUDE ALL SITE DEVELOPMENT AND ANY AND ALL WORK REQUIRED BY THE INSPECTION AGENCIES HAVING JURISDICTION.

THE CONTRACTORS ARE TO VERIFY ALL FIELD CONDITIONS BEFORE PROCEEDING WITH WORK, EACH 9UB-CONTRACTOR IS TO FIELD VERIFY THE CONDITION OF THE SITE PRIOR TO COMMENCING THAT PORTION OF THE QWORK AND IS TO BRING, ANY DISCREPANCIES TO THE AQTTENTION OF THE GENERAL CONTRACTOR AND THE ARCHITECT BEFORE PROCEEDING. SUB-CONTRACTORS PROCEEDING WITH THEIR PORTION OF THE WORK WITHOUT REPORTING, ANY DEFECTS IN PRIOR WORK WILL BE JUDGED TO HAVE ACCEPTED THE WORKING CONDITIONS AND AGREE THAT THEIR NEW WORK CAN ACCEPTABLY BE CONSTRUCTED ON THE WORK THAT HAS PRECEEDED THEM.

DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL BRING TO THE ATTENTION OF THE ARCHITECT AND THE OWNER ANY AND ALL EXISTING CONDITIONS THAT APPEARS TO BE SUBSTANDARD, ALL WORK AFFECTED BY SUCH CONDITIONS SHALL STOP UNTIL ALL DISCREPANCIES ARE RESOLVED. SUCH CONDITIONS SHALL NOT BE COVERED OR CONCEALED BY NEW CONSTRUCTION WITHOUT APPROVAL OF THE ARCHITECT.

THE CONTRACTOR, BY COMMENCING THE WORK, ACCEPTS THE CONDITIONS OF THE SITE AND THE COMPLETENESS OF THE CONTRACT DOCUMENTS. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE ACTUAL CONDITIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO BEGINNING THE WORK. NO EXTRAS SHALL BE ALLOWED FOR DISCREPANCIES AFTER THE WORK HAS BEGIN.

ALL WORK IS TO BE COORDINATED WITH ALL DRAWINGS AND THE DESIGN-BUILD REQUIREMENTS FOR MECHANICAL, ELECTRICAL AND PLUMBING.

ANY MATERIALS AND / OR LABOR, NEITHER SHOWN ON THE DRAWINGS NOR SPECIFIED, BUT WHICH IS OBVIOUSLY NECESSARY TO COMPLETE THE WORK OR TO COMPLY WITH LOCAL CODES SHALL BE SUPPLIED WITHOUT ADDITIONAL COST TO THE OWNER OR THE ARCHITECT.

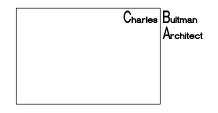
THE CONTRACTOR IS RESPONSIBLE TO SECURE ANY AND ALL PERMITS, FEES, LABOR, EQUIPMENT, ETC. REQUIRED TO PROVIDE A COMPLETE PROJECT.

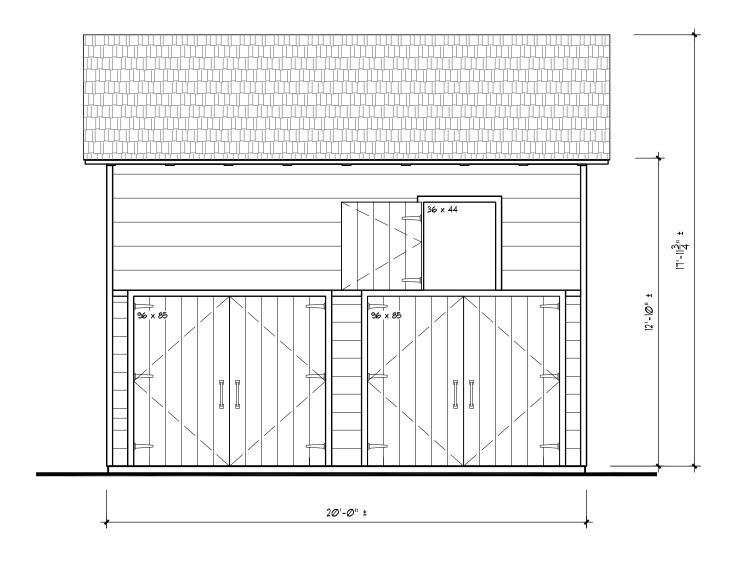
THE CONTRACTOR IS REQUIRED TO PROVIDE THE NECESSARY STEPS TO FULLY PROTECT THE PUBLIC FROM INJURY AS UELL AS ANY DAMAGE TO ADJACENT PROPERTIES DURING CONSTRUCTION AS REQUIRED BY LOCAL CODES, THE CONTRACTOR WILL ALSO PROVIDE FOR THE PROTECTION OF WORK TO DATE, ENSURING THAT NEW TRADES DO NOT DAMAGE FINISHED WORK BY OTHER TRADES.

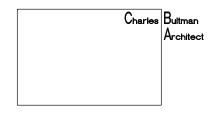
THE OWNER SHALL OBTAIN 'ALL RISK' INSURANCE FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL ONTAIN THE CUSTOMARY STATUTORY INSURANCES, COMPREHENSIVE GENERAL LIABILITY, WORKMAN'S COMPENSATION, ETC. THE ARCHITECT AND THE OWNER SHALL BE NAMED AS AN INSURED PARTY TO THE 'ALL RISK' POLICY.

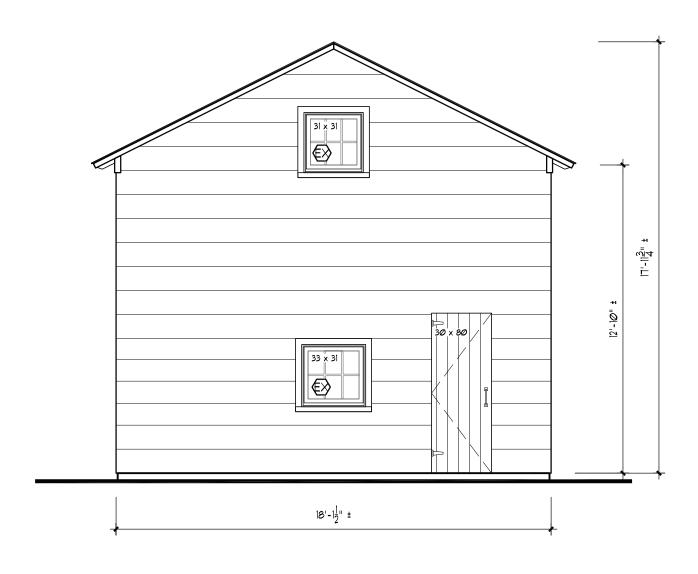
DIMENSIONS SHOWN OUTSIDE OF BUILDING ARE FROM FACE OF FINISH TO ROUGH OPENINGS. UNLESS NOTED OTHERWISE.

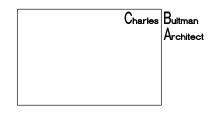
DIMENSIONS SHOWN INSIDE OF BUILDING ARE FROM FACE OF FINISH TO FACE OF FINISH, UNLESS NOTED OTHERWISE DATE 7 JULY 2021



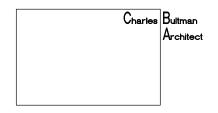


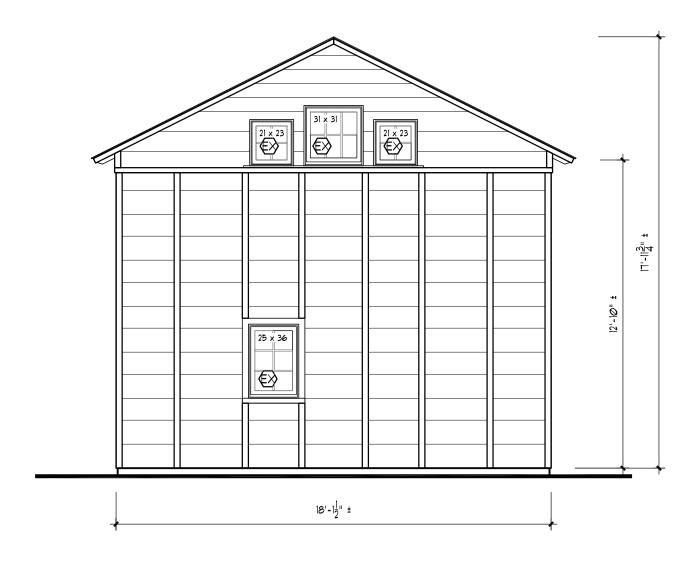


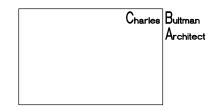


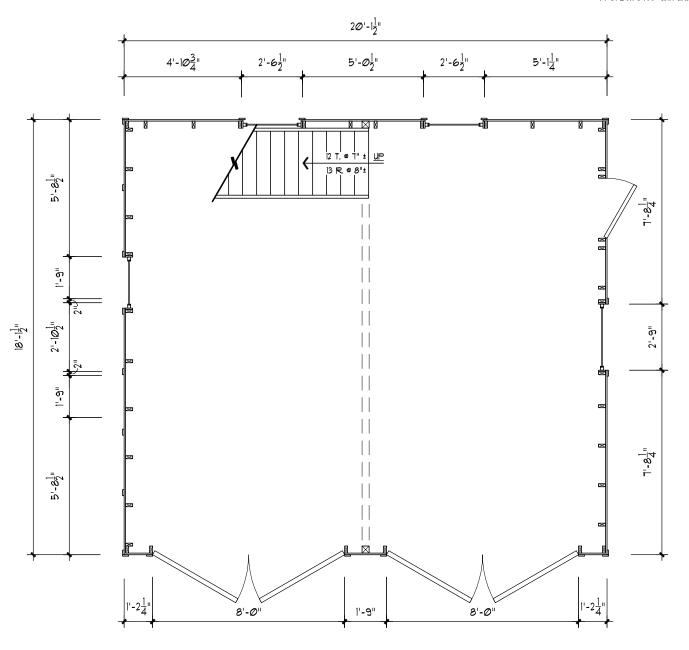


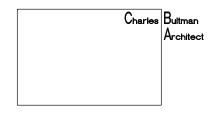


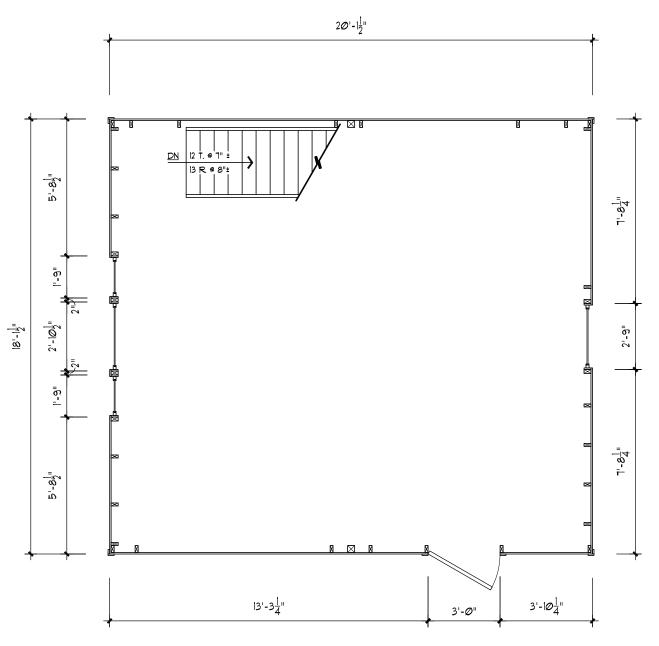


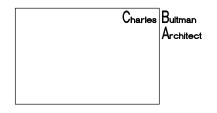


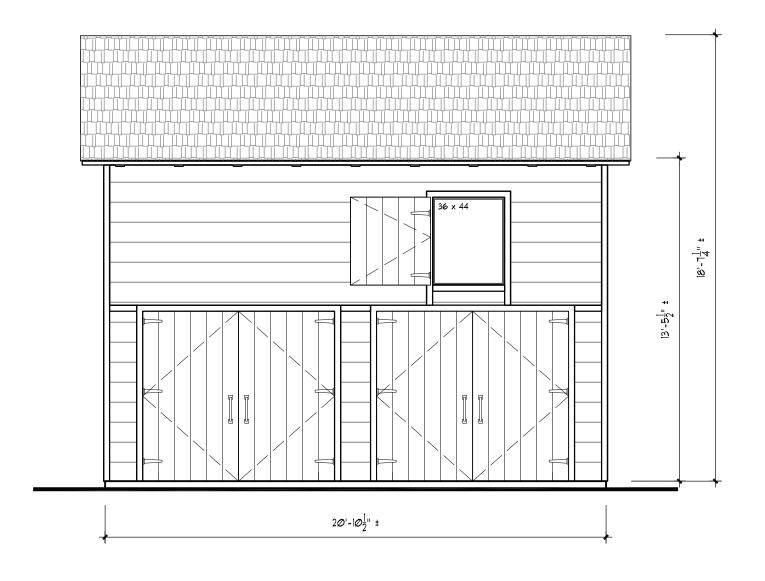


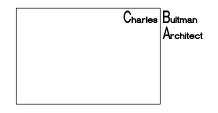


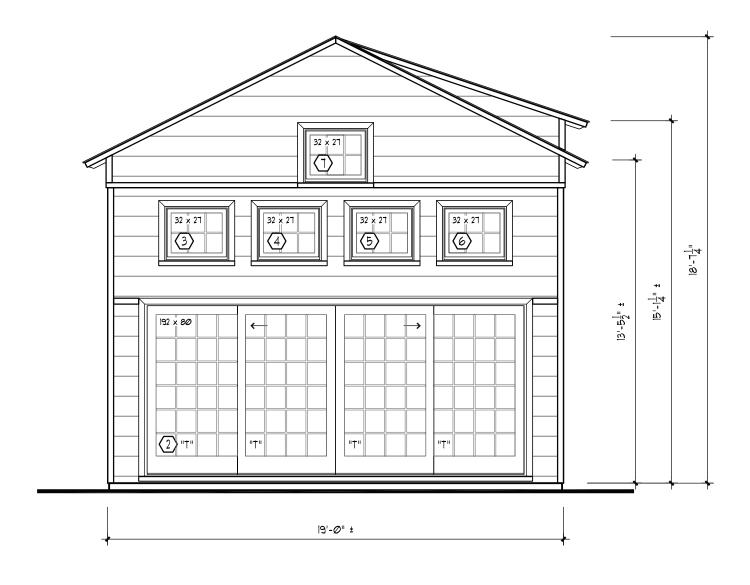


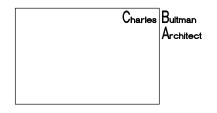






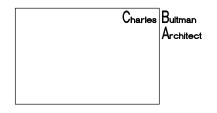


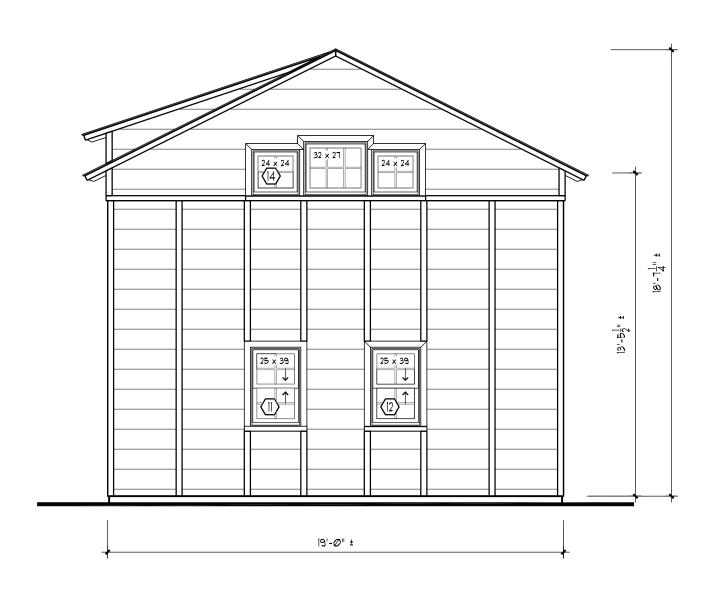


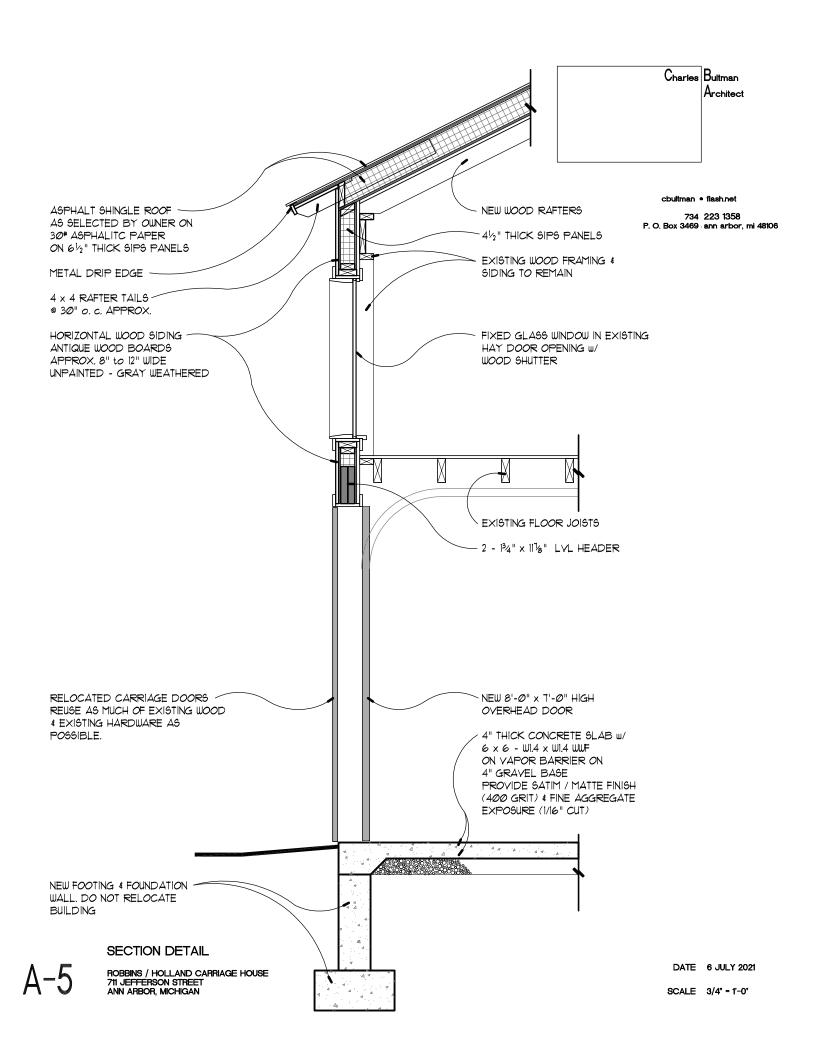


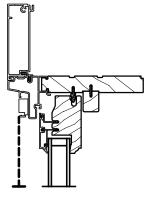
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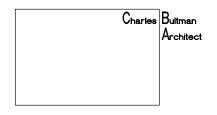






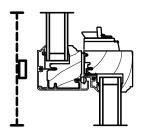




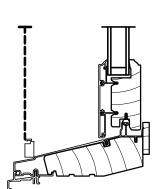


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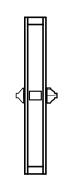




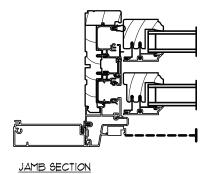
CHECKRAIL SECTION

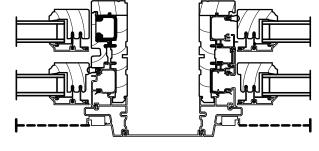


SILL SECTION



SDL with SPACER BAR





SPACE MULL SECTION









