

Winter 2015

HISTORIC AMERICAN BUILDINGS SURVEY: INVESTIGATION AND DOCUMENTATION OF THE HALFWAY SCHOOLHOUSE IN EASTPOINTE, MICHIGAN

Whitney D. Gravelle

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HISTORIC AMERICAN BUILDINGS SURVEY:
INVESTIGATION AND DOCUMENTATION OF THE HALFWAY SCHOOLHOUSE IN
EASTPOINTE, MICHIGAN



Whitney D. Gravelle
Final Project, GHPR 690
Eastern Michigan University
Geography & Geology Department
Historic Preservation Program
Winter Term 2015

PREFACE

The following work contains the investigation and documentation of the Erin-Warren Fractional District No. 2 Schoolhouse, better known by its common name, the Halfway Schoolhouse, located in Eastpointe, Michigan. This project was undertaken as the Final Project for my Master's degree in Historic Preservation at Eastern Michigan University. I chose to document this building in the Historic American Buildings Survey (HABS) outline format because of the level of detail it offers, as well as the ease of comprehension for future readers and researchers. I also chose to complete my project in the HABS format because it is my intention to submit this to the HABS office in Washington, D.C. for ultimate archival in the Library of Congress. It is my hope that the submittal of my report along, with the supplemental material, will be archived by the end of 2015.

I chose to complete a HABS Report for my Final Project for three major reasons:

1) The HABS Report is a respected document in the field of preservation. It has a long history, beginning in 1933, and continues to this present day. Also, these reports are accessible to the public. It is important for people to be able to access information when they need it to aid in their understanding, and the continued education, of their past.

2) I believe that being able to write a HABS Report is an important skill to have as an Architectural Historian and Preservationist. It shows that you are versatile in your skills. It shows that you can conduct research, that you understand building structure and systems, can analyze style, and that you have the ability to conduct condition assessments. It also highlights your ability to read and draw plans, elevations and details.

3) Perhaps the most important reason for choosing to complete a HABS Report for my final project is that I have obtained the skills needed to help me acquire a career as an Architectural Historian and Preservationist. Completing this project has proved that I have organization, research, and drafting skills that can be an asset to any form of business needing assistance in the field of preservation.

Special thanks are in order for Chris E. Gravelle, Nancy A. Gravelle, Jason J. Bonaquist, Hon. Mayor Suzanne Pixley, Dr. Ted Ligibel, the East Detroit Historical Society, and the City of Eastpointe. All of these people and organizations were influential in the completion of this project. Each contributed knowledge and expertise to help aid me in my investigative research and documentation of the Halfway Schoolhouse. Thank you for all of your hard work, time, and encouragement to make this HABS project and reality. I appreciate you all, and know that with your help, this body of work can and will be published to document an important piece of our history for all to enjoy.

With sincere gratitude,

Whitney Denise Gravelle
M.S. Historic Preservation, EMU 2015

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HISTORIC AMERICAN BUILDINGS SURVEY

ERIN-WARREN FRACTIONAL DISTRICT No. 2 SCHOOLHOUSE HABS No. MI-449
(Halfway Schoolhouse)

Location: 15500 Nine Mile Rd., Eastpointe, Macomb County, Michigan.

Legal Description:

The North 150 feet of Lot 223 of "Assessor's Plat No. 14" of part of the N. ½ of Sec. 31 and S. ½ of Sec. 30, T1N, R13E, City of Eastpointe, Macomb County, Michigan. As recorded in Liber 2 of Plats, Page 17, Macomb County Records.

GPS Coordinates:

42.4645, -82.9626 (obtained April 3, 2015 via <http://earthexplorer.usgs.gov/> at the NE corner of foundation)

Present Owner: East Detroit Public Schools

Present Occupant: East Detroit Historical Society

Present Use: Museum, meeting facility, special occasion rental

Significance: The Halfway Schoolhouse is the only remaining structure dating to Eastpointe's village days. Built in 1872, it is an excellent example of Italianate design among schoolhouses of the period. Much of its original material exists, including the timber frame, the interior wood wainscoting, the wood floor, brick chimney, a few window lites, the horse-hair plaster ceiling, and the original board and batten siding (which lies beneath the current horizontal siding).

Historian(s): Whitney D. Gravelle, M.S. Historic Preservation, Eastern Michigan University
April 20, 2015.

Project Information: Delineator(s) Whitney D. Gravelle and Chris E. Gravelle
Photographer Whitney D. Gravelle

PART I. HISTORICAL INFORMATION

A. Physical History:

- 1. Date of erection:** 1872
- 2. Architect:** Not known.
- 3. Original and subsequent owners, occupants, uses:** The original owner of the schoolhouse is not known at this time. Kaiser Fuel Company bought the building in 1921 when the Erin School was built to replace the Halfway School. The schoolhouse was used as coal storage and a warehouse until 1984, when it was

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donated to the East Detroit Public Schools (EDPS). It remains in the ownership of the EDPS at present.

4. **Builder, contractor, suppliers:** Not known.
5. **Original plans and construction:** The Halfway Schoolhouse has been renovated to bring it back to the original state and design as it was in 1872. The timber frame is original to the building. The floors, base boards, wainscoting and chair rail, moldings and chimney are also all original to the structure. The original plan consisted of a one-room schoolhouse, as we see it today, with a foyer in the front (north) quarter of the building. Students would enter into the foyer and hang their coats and store any other supplies before class began. Two doors led from the foyer into the classroom where the boys sat on the eastern half of the room and the girls on the western half.
6. **Alterations and additions:** In 1902, a wing was built and attached to the east elevation to accommodate more students. When Kaiser Fuel acquired the building in 1921, the wing, as well as the cupola, was removed and only the original, single room structure was used. The schoolhouse was moved and attached to the rear of a brick commercial building and used as a warehouse. At some point after the acquisition, the original front door was removed and a rollup garage door was installed in its place. When the building was moved again in 1984, restoration efforts commenced and a replica front door and hood were created and installed the following year. A reconstructed cupola was also built and placed in its original location. In 1987, an annex was built and attached to the rear of the building to house a lavatory, as well as a kitchen sink and storage closet. The annex was built due to building codes requiring bathrooms as the building was going to be used for public purposes.

B. Historical Context:

The Erin-Warren Fractional District No. 2 School, better known by its shortened name “The Halfway Schoolhouse” is located in Eastpointe, Michigan near the intersection of Nine Mile Road and Gratiot. Early settlement in this area began around 1830 when the military road from Detroit to Fort Gratiot was constructed. Initially, this area had no given name and was known as the “bush country” by the settlers. By 1897, the name of Halfway was officially recorded when a post office was established. Its name was derived from the Halfway House, a tavern where stagecoach travelers would be able to stop, eat and rest. This stop was located halfway between Detroit and Mount Clemens.

As people began to populate Halfway Village land was granted by President Andrew Jackson at an affordable price and thus farming and industry began to grow.

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With an increase in population, the demand for a school where the children could be educated properly followed. The first formal schooling was conducted in a private house during the early 1800s, but not all children were able to attend these lessons as they were taught in German, which only benefitted a few of the German families in the area. By 1846, the Erin and Warren Number Two Fractional School District was founded and lessons were taught in a rented log cabin to all children willing to attend. By 1850 the first school was erected and was known as the Red School. Attendance tended to vary with the seasonal farm work, but by 1872 the attendance of pupils increased and it was decided that a larger building would be needed to accommodate the growth in numbers. This is the building which is standing today.

The Halfway Schoolhouse was built in 1872 and served its purpose until 1921 when the attendance grew to approximately three hundred students. The schoolhouse was ultimately auctioned off to Chris Kaiser of Kaiser Fuel & Supply for \$505.00 and moved a half a mile on skids by horses with winches. It was then attached to the rear of the Kaiser's commercial building, located at the Southeast corner of Nine Mile Road and Gratiot, and used as a warehouse for many years; with time its use as a schoolhouse eventually was forgotten.

The United States Bicentennial in 1976 stirred up the notion of preserving the places which had played a meaningful role in our past. All throughout the country, major preservation projects were beginning to take place as more and more communities began to see the benefits of saving their local historic sites for future generations; the city of East Detroit was no exception. In the late 1970s the Halfway Schoolhouse was rediscovered and the effort to acquire and preserve this building began. Finally, in 1984, the East Detroit Public Schools acquired the building, by donation from Tom Farris, a local businessman. The East Detroit Schools in turn leased the building to the East Detroit Historical Society on a ninety-nine year contract.

On September 4, 1984, the schoolhouse was brought back to sit within twenty yards of its original site. This was an expensive undertaking (moving of the building alone cost about \$20,000), but there was much support from the community and money was raised through grants and donations to allow for the Halfway Schoolhouse Preservation Project to commence almost immediately. The Halfway Schoolhouse Restoration Committee was formed to act as the governing body throughout the project. Records were kept as to how much money they needed to raise to fund the project and a budget was proposed which included the breakdown of projected work on the exterior, interior and the construction of a new annex to house lavatories and storage closets. It also showed where the funds would be obtained to pay for this labor and material, whether state or local funds or grants from government funding. Work on the building was scheduled to commence in the spring of 1985. Another projected expenditure document was created for the 1985-86 work which broke down the costs a little more

accurately after bids had been received. These two documents gave great insight as to how far the Restoration Committee was willing to go to preserve the historic integrity of the schoolhouse. When visiting the site today it may appear that all the materials on the building are original given the current state of some of the material, however the documents note otherwise. The major exterior features of the schoolhouse were either repaired or replicated, and these included the cupola, the name/date roundel, round-arched window and door hoods, and shutters. The fact that the Restoration Committee included funds in their budget to buy material for these architectural features meant that many of these elements were in fact not original to the structure and has prompted the need for further research to determine just how accurate these replications were to the original architectural design of the building.

PART II. ARCHITECTURAL INFORMATION

A. General statement:

- 1. Architectural character:** The schoolhouse is Italianate in style with wide eaves, arched windows with ornamental hoods, and a cupola which houses the bell.
- 2. Condition of fabric:** The building is in good condition. Exterior water damage is present in a few places and near the window and door openings.

B. Description of Exterior:

- 1. Overall dimensions:** 34'-7-3/4" x 31'-7-1/8". The building has a rectangular footprint and is one story in height with a large attic space above and a crawl space below. The three bay front façade features a large double door with ornamental hood, flanked by an arched window on either side, and a name/date roundel above.
- 2. Foundations:** Since the schoolhouse was moved back to within 20 yards of its original location, the foundation is not original. A concrete block wall, three blocks in height, makes up the perimeter of the foundation. Footing material and location is unknown at this time; however the concrete block appears to be sitting atop a dirt crawl space. A three-course, red brick veneer comprises the outer foundation as seen from the exterior of the building, and is for aesthetic purposes only.
- 3. Walls:** Beveled clapboard wood siding clads the exterior. Each board is 4-3/4" thick and is horizontal in orientation. This siding was put on in 1902, atop the original board and batten siding, which still lies beneath the clapboards. Vertical

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wood, 5" and 6" in width, make up the corner boards that run from the foundation to the frieze board.

4. **Structural system, framing:** The original frame still is present and is timber frame in design. The timbers are constructed using gussets (wood plates which connect the truss members) and mortise and tenon joints. Two queen post trusses sit upon the wall sills at each gable end. Rough-sawn timber floor joists, 7-1/2" x 2", run the length of the building in the north-south direction. They are located every 16" on center.
5. **Porches, stoops, balconies, porticoes, bulkheads:** A wooden plank walkway leads to a wooden porch stoop at the front entrance on the north façade. It is painted green to match the shutters (which are currently off the building awaiting repair).
6. **Chimneys:** A single red brick chimney is located on the center of the south wall in the interior of the schoolhouse. A running bond pattern exists consistently throughout. The chimney extends up through the attic and out through the roof. Repointing is seen in several places and different mortar is noticeable, indicating previous repair. A Round Oak wood stove connects to the chimney and is a functional utility. The chimney shaft extends above the roof ridge eleven courses in height and has a stone cap to protect the top layer of bricks from the elements. A metal chimney pot is also visible.
7. **Openings:**
 - a. **Doorways and doors:** The main entrance is located on the north façade of the schoolhouse, and consists of two five-panel wood doors. Plain trim runs the length of the door on either side. Long console brackets flank the doors and hold up the massive door hood. Beneath the hood is a large fanlight with seven radiating glazing bars. A rear entrance is located on the south elevation of the building, which was part of the annex construction. This is a single wood door, with plain trim on all sides.
 - b. **Windows and shutters:** The east and west elevations have an identical four window fenestration pattern. The north and south elevations have a single window in the first and third bays. All the windows are four-over-four, arched, double-hung sash windows. Most of the frames and the lites have been replaced, though a few original panes remain intact, namely the north window on the east elevation. An ornamental Italianate hood caps the windows with a label stop, cyma recta in shape, on each end. The shutters were originally hinged and rolling-louver in design. During the

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restoration process, a fixed shutter (similar in shape only) was created and installed. Presently, the shutters have been removed from the exterior of the building and are stored in the foyer, awaiting repair. According to the President of the East Detroit Historical Society, the shutters are hopefully in the process of being replaced with replicas of the original rolling louver style.

8. Roof:

- a. Shape, covering:** The schoolhouse has a gable shaped roof. New, half inch plywood sheathing covers the original sheathing attached to the rafters. Cedar shingles, to match what was originally on the building, were installed to clad the roof in a square imbrication pattern. Cedar shingles also form a ridge capping.
- b. Cornice, eaves:** Wide eaves with a decorative rake molding are found around the entire perimeter of the building. A plain frieze board, with half ovolo molding on the top and half round molding on the bottom, wraps itself around the building as well. There is currently no gutter system on the building.
- c. Dormers, cupolas, towers:** A replica of the original cupola that houses the school's bell was added during the 1985 restoration. Due to limited access and equipment, measurements were unable to be taken at the time of the survey. Further investigation is required.

C. Description of Interior:

- 1. Floor plans:** The building is a single room schoolhouse with an open layout. There is a foyer located in the northern part of the building that is currently used as storage and also houses the furnace. Historically, this was the coat room for the students.
- 2. Stairways:** This is a single story building; there are no stairs located within.
- 3. Flooring:** The plank flooring in the schoolhouse is original, with the exception of a small area located in the southeast corner, which had to be repaired during the restoration effort. It is wood, white pine in material, and varying widths and lengths; most boards are a width of either 2" or 3" and can be in lengths up to 14' long.

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4. **Wall and ceiling finish:** The ceiling is coved, with a smooth transition between the wall and the ceiling itself. Both the wall and ceiling are finished in plaster and painted white. On the wall below the cove transition, an ovolo molding is present and runs the length of the building, from north to south. On the ceiling, at the end of the cove, is an astragal cove molding, which also runs the length of the building. The north wall of the schoolhouse, between the two doors that lead to the foyer, is comprised of wood bead board from floor to ceiling. The wood species appears to be cherry, like the wainscoting, but further investigation is needed to verify. Each board is 1-3/4" in width, consistently across the entire wall.
5. **Openings:**
 - a. **Doorways and doors:** Two swinging, six-panel wood doors are located between the school room and the foyer, on the east and west side of the wood partition wall. A third, identical six-panel wood door is located between the annex and the school room. There is a large brass pull for opening and closing on this door. Ogee casing surrounds all three doors. In the annex, two ca. 1985 six-panel wood doors are present; one for the restroom and the other for the storage closet. These two doors have brass knobs and the storage closet also has a brass deadbolt. Ogee casing surrounds these doors as well. Wood species on all doors appears to be cherry, but further investigation is needed to verify.
 - b. **Windows:** All windows within the interior have a decorative wood casing and a sill that projects into the chair rail and wainscoting below.
6. **Decorative features and trim:** Wood beadboard wainscoting runs one-third on the wall around the entire perimeter of the schoolhouse. The boards are of varying widths, at 2-1/2", 3-1/2" or 4-1/2", with no particular pattern of installation. Wood species appears to be cherry, but further investigation is needed to verify. A torus shaped chair rail is on the top of the wainscoting and a decorative base molding runs along the bottom.
7. **Mechanical equipment:**
 - a. **Heating, air conditioning, ventilation:** The schoolhouse is equipped with an Arcoaire natural gas furnace, 80% efficient and 100,000 BTUs. It is a down-flow design, with the duct located in the crawl space. Return air is located in the north wall.
 - b. **Lighting and electrical:** On the east and west walls, three reflector lanterns hang, one between each window. The original lanterns were

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replaced with the current version, which are period-correct replacements from the nineteenth century. There are six electric globe lights that hang from the ceiling; these were installed just prior to the school closing in 1921. Presence of the original knob and tube wiring (from electrification in 1915) can be seen attached to the attic rafters. Today, flexible metallic conduit, also known as greenfield, supplies electricity to the building. The greenfield runs through holes drilled in the floor joists and up to the breaker box, which is located in the southwest corner of the south wall.

- c. **Plumbing:** There are no original plumbing fixtures in the building. All plumbing is currently located within the annex addition.

D. Site:

- 1. **Historic landscape design:** The schoolhouse does not sit on its original site, having been moved twice in its existence. Historically, the building was surrounded by farmland on its east, south and west sides, in which a fence wrapped around and hugged tight to the building, leaving an almost non-existent lot except for the foundation it sat upon. Today it sits within twenty yards of its original site, but no historic landscape exists. This area of Eastpointe is now a highly populated, suburban residential location.
- 2. **Outbuildings:** There are no outbuildings on this property.

PART III. SOURCES OF INFORMATION

- A. **Architectural drawings:** Original drawings not available.
- B. **Early Views:** Photos provided by Hon. Suzanne Pixley, current Mayor of Eastpointe and President of the East Detroit Historical Society (see figures 7-9).

C. Interviews:

Suzanne Pixley, February 7, 2015, 15500 Nine Mile Road, President of the East Detroit Historical Society.

D. Bibliography:

1. Primary Sources

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E. Likely Sources Not Yet Investigated:

Macomb County Building and Planning Department

F. Supplemental Material: Material located in "Appendix A" of this document.

Figure 1. HABS Data Entry Sheet. Received from the National Park Service on February 20, 2015.

Figure 2. Sanborn Fire Insurance Map. *Halfway, Michigan: October, 1925*. Accessed April 15, 2015. Courtesy of Eastern Michigan University.

Figure 3. Sanborn Fire Insurance Map. *East Detroit, Michigan: January, 1931*. Accessed April 15, 2015. Courtesy of Eastern Michigan University.

Figure 4. Sanborn Fire Insurance Map. *East Detroit, Michigan: October, 1947*. Accessed April 15, 2015. Courtesy of Eastern Michigan University.

Figure 5. Plat Map. *Erin Township, Macomb County, 1875*. Accessed April 19, 2015. Courtesy of University of Michigan, Michigan County Histories and Atlases database. <http://quod.lib.umich.edu/m/micounty?rgn=subject;type=simple;q1=Atlases>

Figure 6. Plat Map. Erin Township, Macomb County, 1895. Accessed April 19, 2015. Courtesy of University of Michigan, Michigan County Histories and Atlases database. <http://quod.lib.umich.edu/m/micounty?rgn=subject;type=simple;q1=Atlases>

Figure 7. Plat Map. Erin Township, Macomb County, 1916. Accessed April 19, 2015. Courtesy of University of Michigan, Michigan County Histories and Atlases database. <http://quod.lib.umich.edu/m/micounty?rgn=subject;type=simple;q1=Atlases>

Figure 8. Photograph of Halfway Schoolhouse's front façade, ca. 1900. Accessed February 7, 2015. Courtesy of Hon. Mayor Suzanne Pixley.

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Figure 9. Photograph of School Road in Halfway, Michigan (schoolhouse can be seen through the trees). Date unknown. Accessed February 7, 2015. Courtesy of Hon. Mayor Suzanne Pixley.

Figure 10. Photograph of schoolhouse attached to Kaiser Fuel building, ca. 1940. Accessed February 7, 2015. Courtesy of Hon. Mayor Suzanne Pixley.

Figure 11. Photograph of front façade, April 19, 2015. Courtesy of Whitney D. Gravelle.

Figure 12. Photograph of front façade with scale stick, April 19, 2015. Courtesy of Whitney D. Gravelle.

Figure 13. Oblique photograph showing front façade and east elevation, April 19, 2015. Courtesy of Whitney D. Gravelle.

Figure 14. Photograph of exterior east elevation, April 19, 2015. Courtesy of Whitney D. Gravelle.

Figure 15. Photograph of exterior east elevation with scale stick, April 19, 2015. Courtesy of Whitney D. Gravelle.

Figure 16. Photograph of interior north wall, February 21, 2015. Courtesy of Whitney D. Gravelle.

Figure 17. Photograph of interior east wall, February 21, 2015. Courtesy of Whitney D. Gravelle.

Figure 18. Photograph of interior south wall, February 21, 2015. Courtesy of Whitney D. Gravelle.

Figure 19. Photograph of interior west wall, February 21, 2015. Courtesy of Whitney D. Gravelle.

Figure 20. Photograph of attic and roof truss, March 21, 2015. Courtesy of Chris E. Gravelle.

Figure 21. Photograph of roof sheathing and rafters, March 21, 2015. Courtesy of Chris E. Gravelle.

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Figure 22. Detail photograph of truss, March 21, 2015. Courtesy of Whitney D. Gravelle.

Figure 23. Photograph showing original board and batten siding (taken from attic), March 21, 2015. Courtesy of Chris E. Gravelle.

Figure 24. Photograph of knob and tube wiring (taken from attic), March 21, 2015. Courtesy of Chris E. Gravelle.

Figure 25. Detail photograph of front entrance door on north façade, March 21, 2015. Courtesy of Whitney D. Gravelle.

Figure 26. Detail photograph of exterior window on east elevation. March 21, 2015. Courtesy of Whitney D. Gravelle.

Supplemental Material: Material located in “Appendix B” of this document.

Figure 27. Field Sketch, interior floor plan. Created: February, 2015, courtesy of Whitney D. Gravelle.

Figure 28. Field Sketch, exterior floor plan. Created: February, 2015, courtesy of Whitney D. Gravelle.

Figure 29. Field Sketch, interior north wall. Created: March, 2015, courtesy of Whitney D. Gravelle.

Figure 30. Field Sketch, interior south wall. Created: March, 2015, courtesy of Whitney D. Gravelle.

Figure 31. Field Sketch, interior east and west walls. Created: March, 2015, courtesy of Whitney D. Gravelle.

Figure 32. Field Sketch, interior wall section. Created: March, 2015, courtesy of Whitney D. Gravelle.

Figure 33. Field Sketch, door detail. Created: March, 2015, courtesy of Whitney D. Gravelle.

Figure 34. Field Sketch, door hood detail. Created: March, 2015, courtesy of Whitney D. Gravelle.

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Figure 35. Field Sketch, window detail. Created: March, 2015, courtesy of Whitney D. Gravelle.

Figure 36. Field Sketch, exterior east elevation. Created: March, 2015, courtesy of Whitney D. Gravelle.

PART IV. PROJECT INFORMATION

This report was completed as a Final Project for the Historian's graduate degree in Eastern Michigan University's Historic Preservation Program.

ERIN-WARREN FRACTIONAL DISTRICT No. 2 SCHOOLHOUSE
(Halfway Schoolhouse)
HABS No. MI-449 (Page 14)

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(Halfway Schoolhouse)
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APPENDIX A: MAPS AND PHOTOGRAPHS

ERIN-WARREN FRACTIONAL DISTRICT No. 2 SCHOOLHOUSE
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HABS No. MI-449 (Page 16)

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HERITAGE DOCUMENTATION PROGRAMS
HHH Collections Management Database v8.0

**ERIN-WARREN FRACTIONAL DISTRICT NO. 2
SCHOOLHOUSE**

HABS MI-449

<http://loc.gov/pictures/item/mi0744>

FOLDER 49731															
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received	1							old total							
copyright								new total	1						
removed															
revised															
field note number					project										
site information															
ccn	mi0744	survey no.	HABS MI-449		LC call number	HABS MI-449		record ID	46,984						
name(s)	Erin-Warren Fractional District No. 2 Schoolhouse Halfway Schoolhouse														
ADDRESS 1															
street address	15500 Nine Mile Road														
citytown/co/state	Eastpointe (Macomb County, MI)														
national park district															

classification & culture terms				related names							
notes				dates	event	y1	qual	y1	y2	qual	y2
accession				transmittal							
record ID				record ID							
number				number							
date				date							

Figure 1. HABS Data Entry Sheet. Received from the National Park Service on February 20, 2015.

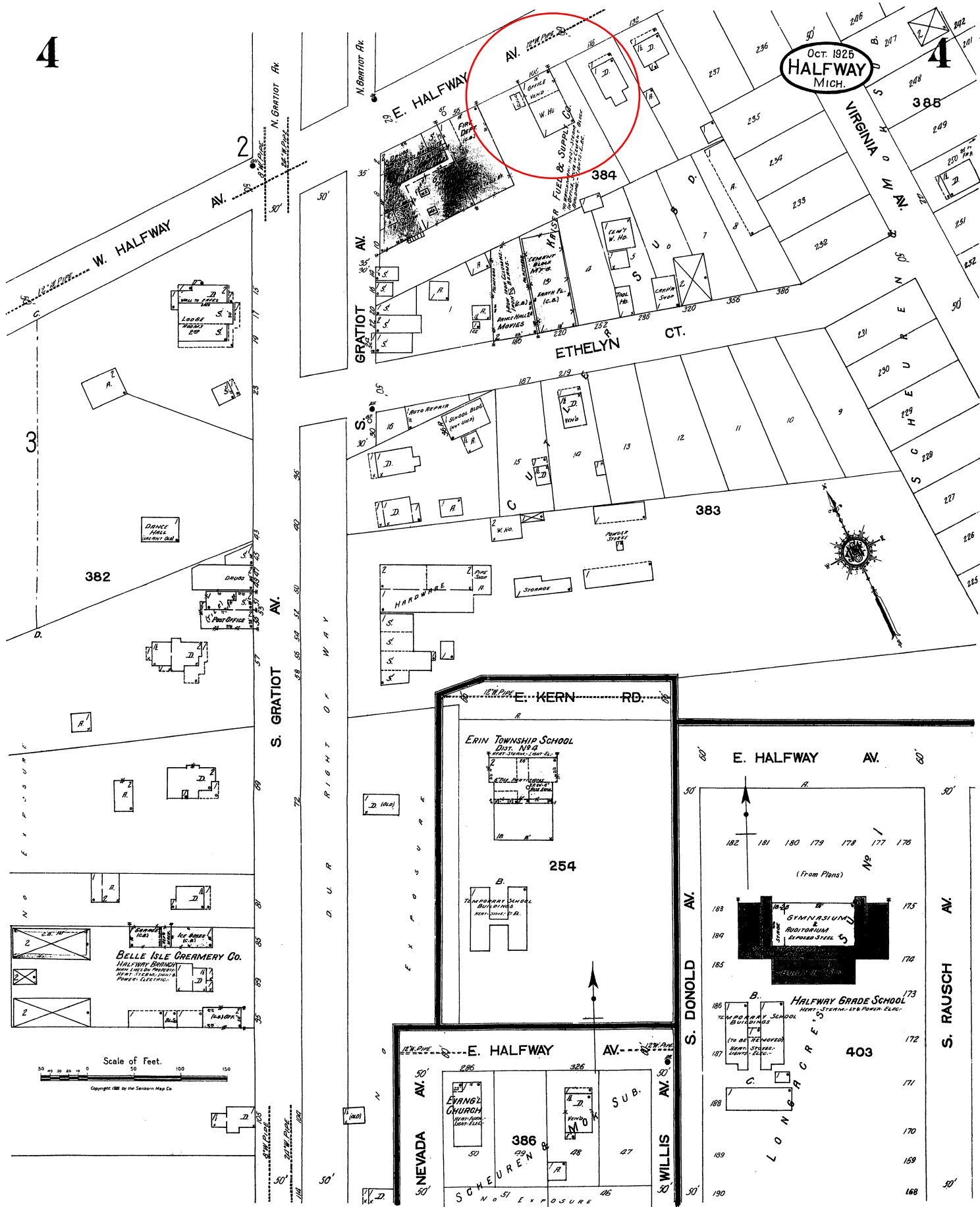


Figure 2. Sanborn Fire Insurance Map of Halfway, Michigan created October, 1925. Document courtesy of Eastern Michigan University, 2015.

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E. NINE MILE RD. (E. HALFWAY AV.)

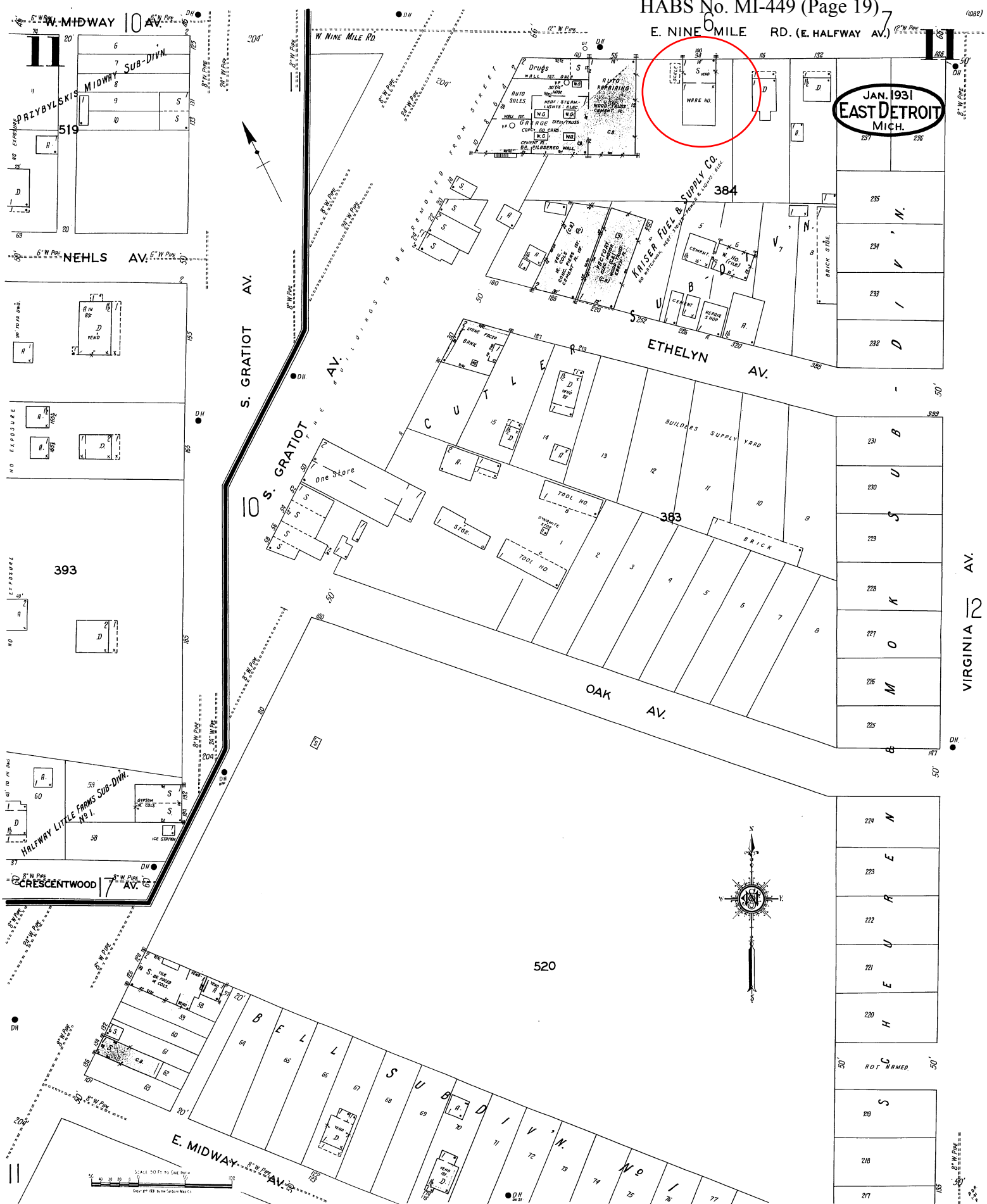


Figure 3. Sanborn Fire Insurance Map of East Detroit, Michigan created January, 1931. Document courtesy of Eastern Michigan University, 2015.

M.I.C.F.
EAST DETROIT, MICH.
OCT. 1947

4

4



Figure 4. Sanborn Fire Insurance Map of East Detroit, Michigan created October, 1947.
Document courtesy of Eastern Michigan University, 2015.

MAP OF ERIN TOWNSHIP

T 1 N. R. 13 E.

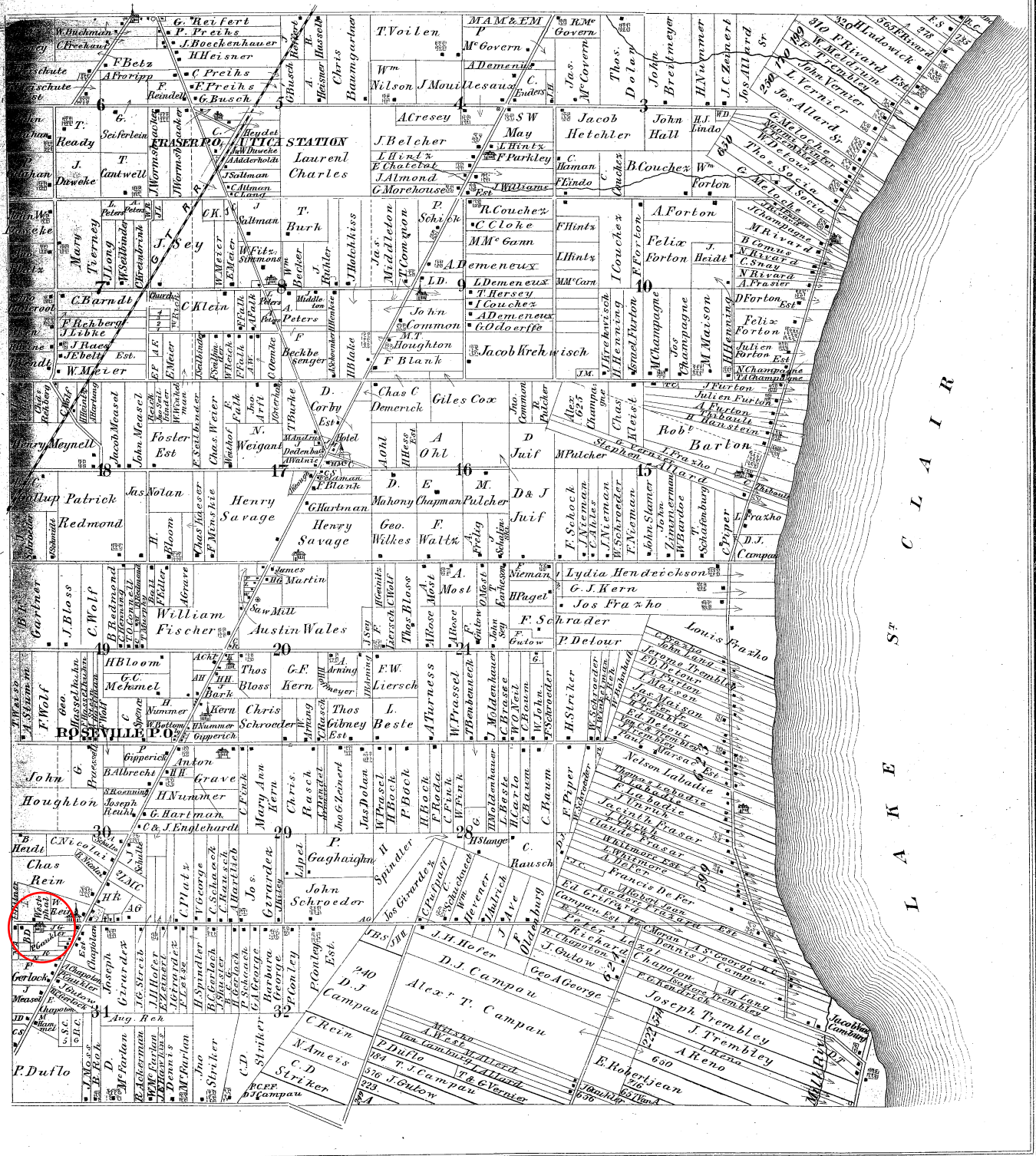


Figure 5. Plat map of Erin Township, Macomb County, 1875. Document courtesy of the University of Michigan, 2015.

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MAP OF
ERIN

Township 1 North Range 13 East

Scale 2 Inches to one Mile.

of the Meridian of Michigan.



Figure 6. Plat map of Erin Township, Macomb County, 1895. Document courtesy of the University of Michigan, 2015.

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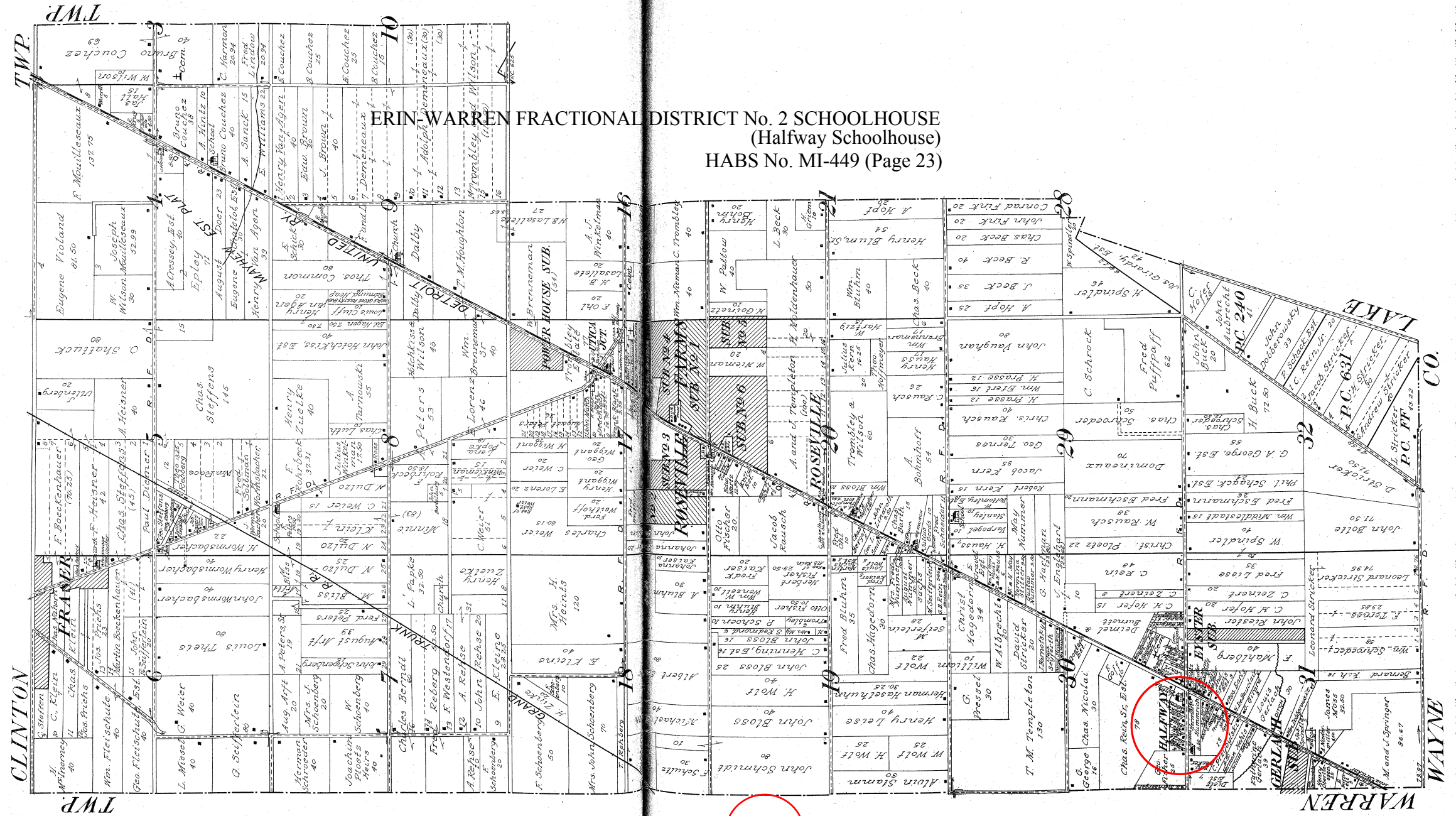
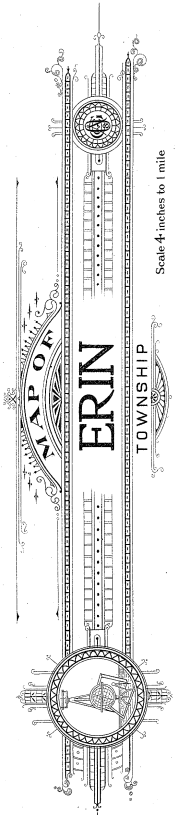


Figure 7. Plat map of Erin Township, Macomb County, 1916. Document courtesy of the University of Michigan, 2015.

Figure 7. Plat map of Erin Township, Macomb County, 1916. Document courtesy of the University of Michigan, 2015.

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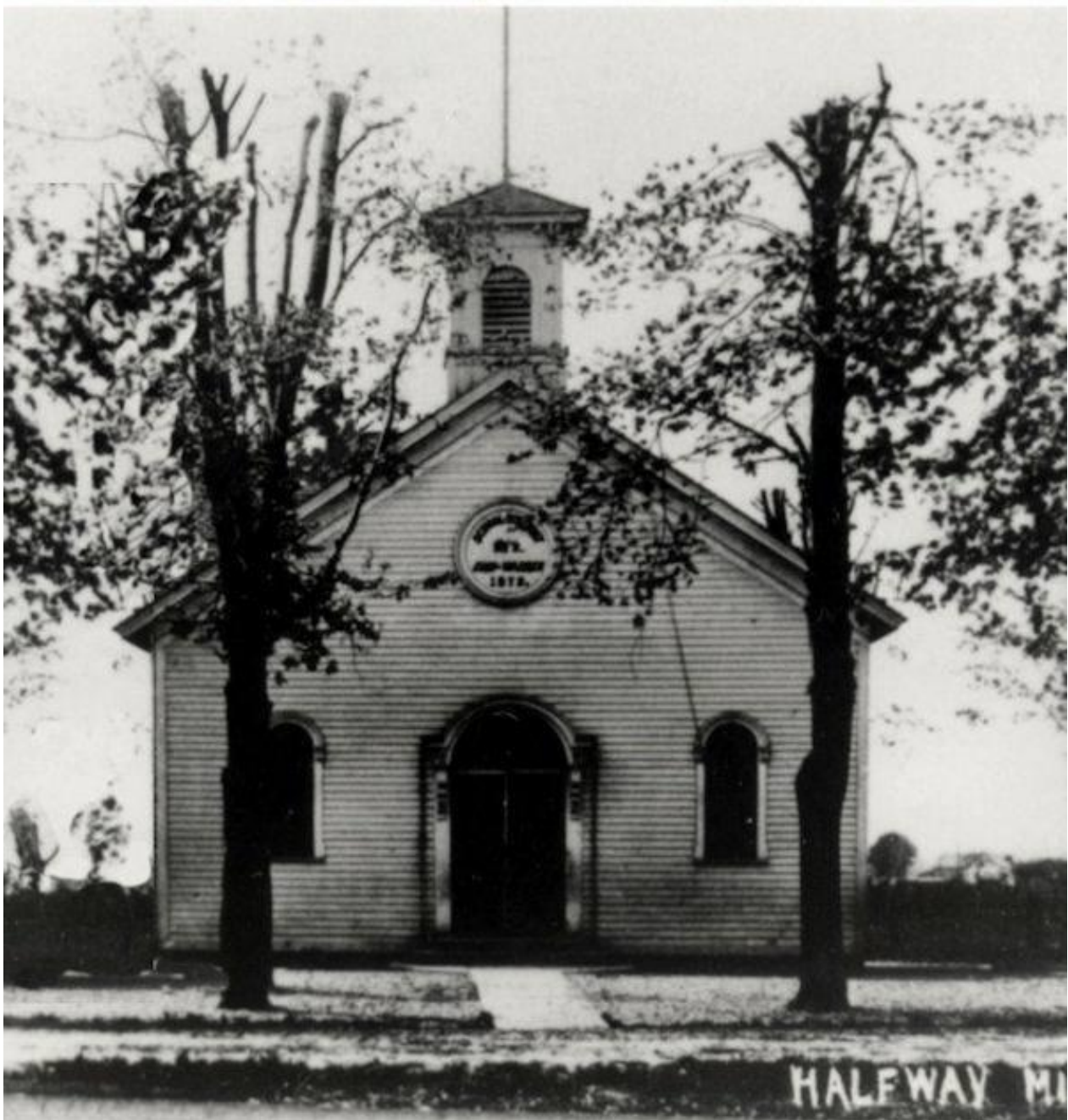


Figure 8. Photograph of Halfway Schoolhouse's front façade, ca. 1900. *Suzanne Pixley, contributor, 2015.*

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(Halfway Schoolhouse)
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Figure 9. Photograph of School Road in Halfway, Michigan. The schoolhouse can be seen through the trees with a fence around the building, separating it from the surrounding farmland. Date of photography unknown. *Suzanne Pixley, contributor, 2015.*

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Figure 10. Photograph of the Halfway Schoolhouse attached to one of the Kaiser Fuel commercial buildings (far left), ca. 1940. The rear of the schoolhouse abuts to the rear of the commercial building, and was used for a warehouse. *Suzanne Pixley, contributor, 2015.*

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Figure 11. Front Façade. *Whitney Gravelle, photographer, 2015.*

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Figure 12. Front façade with scale stick. *Whitney Gravelle, photographer, 2015.*

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Figure 13. Oblique photograph of the front façade and east elevation. *Whitney Gravelle, photographer, 2015.*

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Figure 14. Exterior east elevation. *Whitney Gravelle, photographer, 2015.*

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Figure 15. Exterior east elevation with scale stick. *Whitney Gravelle, photographer, 2015.*

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Figure 16. Interior north wall. *Whitney Gravelle, photographer, 2015.*

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Figure 17. Interior east wall. *Whitney Gravelle, photographer, 2015.*

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Figure 18. Interior south wall. *Whitney Gravelle, photographer, 2015.*

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Figure 19. Interior west wall. *Whitney Gravelle, photographer, 2015.*

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Figure 20. Attic space, roof truss, and chimney. *Chris Gravelle, photographer, 2015.*



Figure 21. Roof sheathing and rafters. Wood gusset plates contribute additional support at the connection between the rafters. *Chris Gravelle, photographer, 2015.*



Figure 22. Detail of Queen Post truss. The trusses are designed using mortise and tenon joinery in which wood pegs are driven into the tenon to secure the connection (as seen on the top of the post).
Chris Gravelle, photographer, 2015.

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Figure 23. Original board and batten siding, as seen from the interior of the attic. *Chris Gravelle, photographer, 2015.*

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Figure 24. Remnants of the original knob and tube wiring in the attic. Electrification of the schoolhouse was completed in 1915. *Chris Gravelle, photographer, 2015.*

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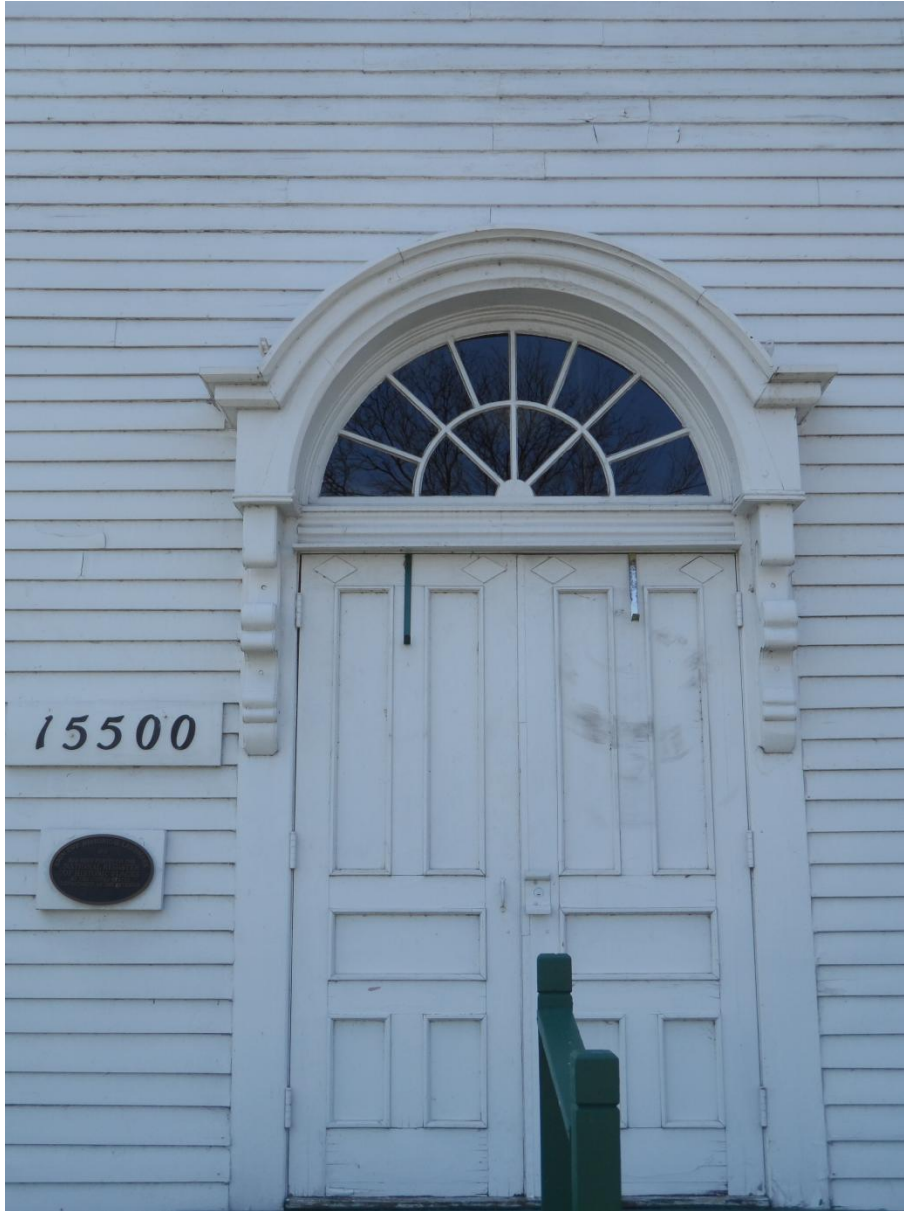


Figure 25. Detail of front entrance door, located on the north façade. *Whitney Gravelle, photographer, 2015.*

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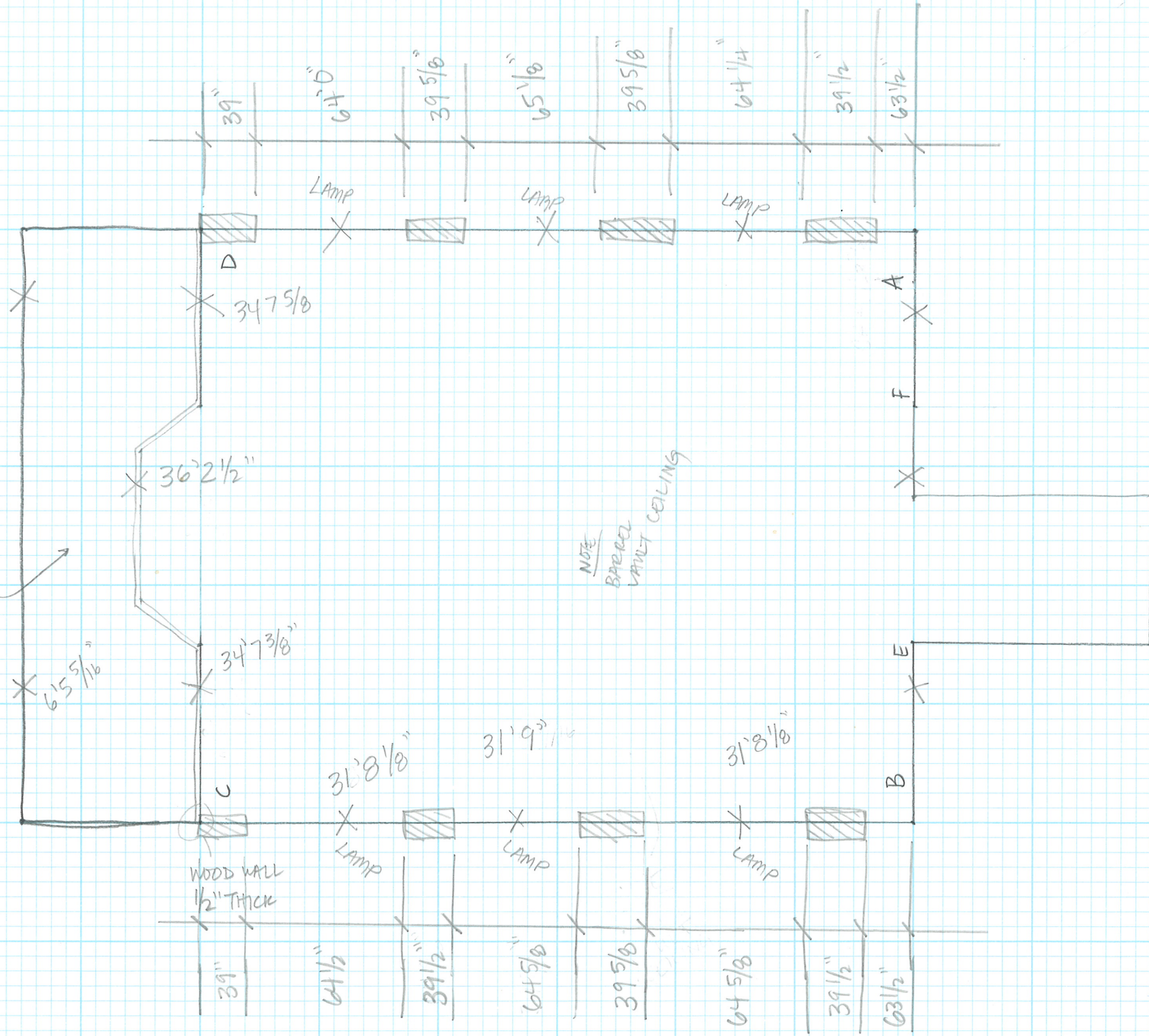


Figure 26. Detail of an exterior window, located on the east elevation. *Whitney Gravelle, photographer, 2015.*

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APPENDIX B: FIELD DOCUMENTATION AND DRAWINGS

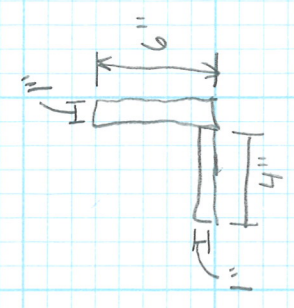
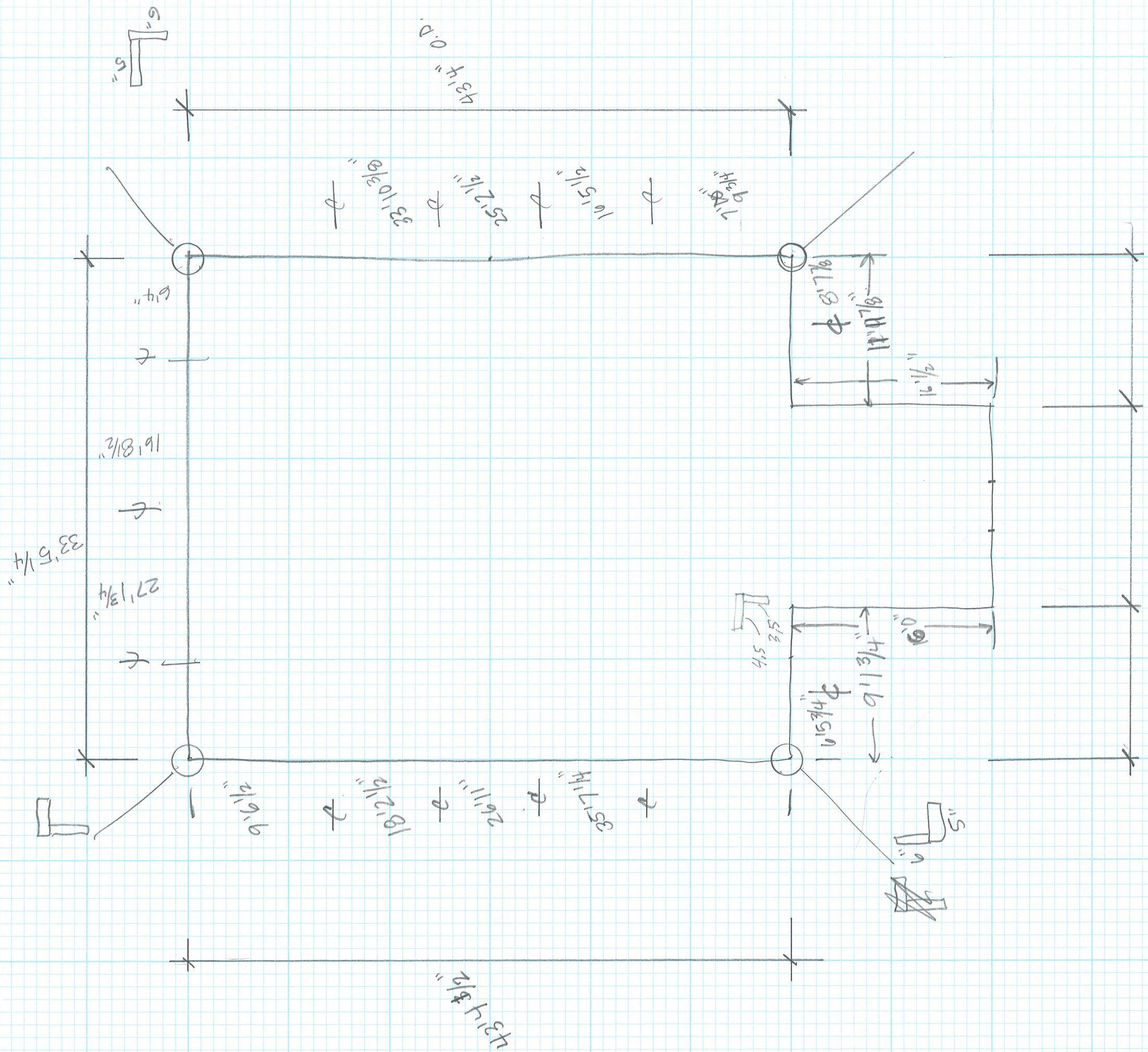
NOTE
FLAT
CEILING
14'4 1/2"

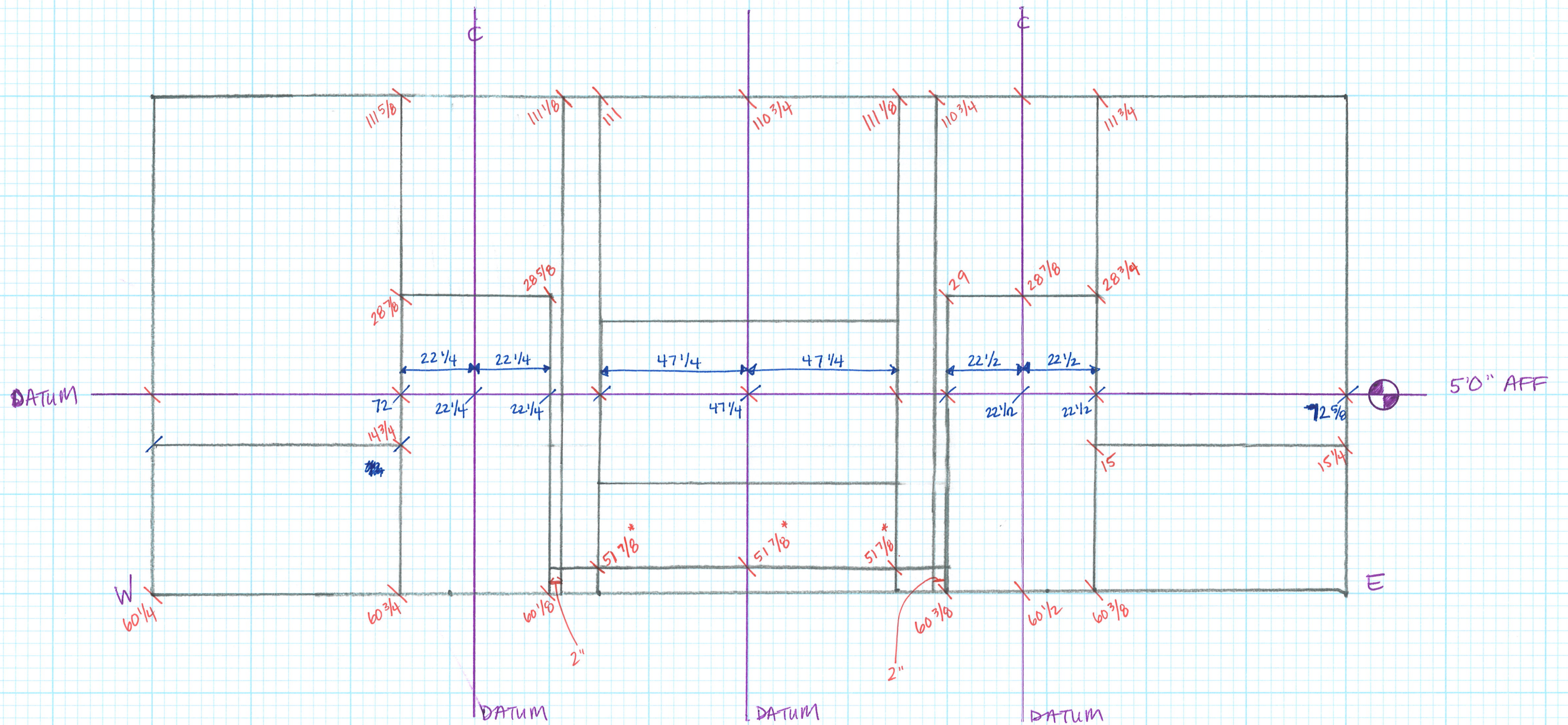


CEILING HEIGHTS AFF

- A = 14' - 3 3/8" = 14.3.3
- B = 14' - 3 3/4" = 14.3.6
- C = 14' - 4 3/8" = 14.4.3
- D = 14' - 4 1/2" = 14.4.4
- E = 14' - 3 3/4" = 14.3.6





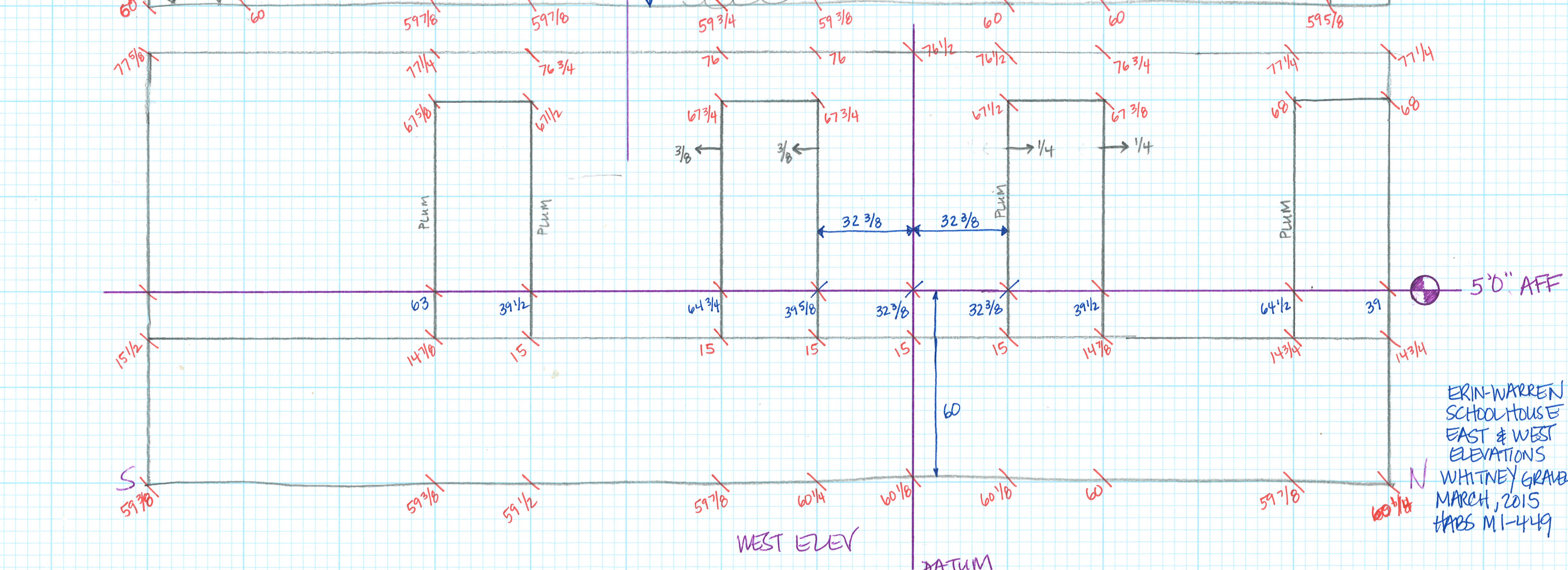
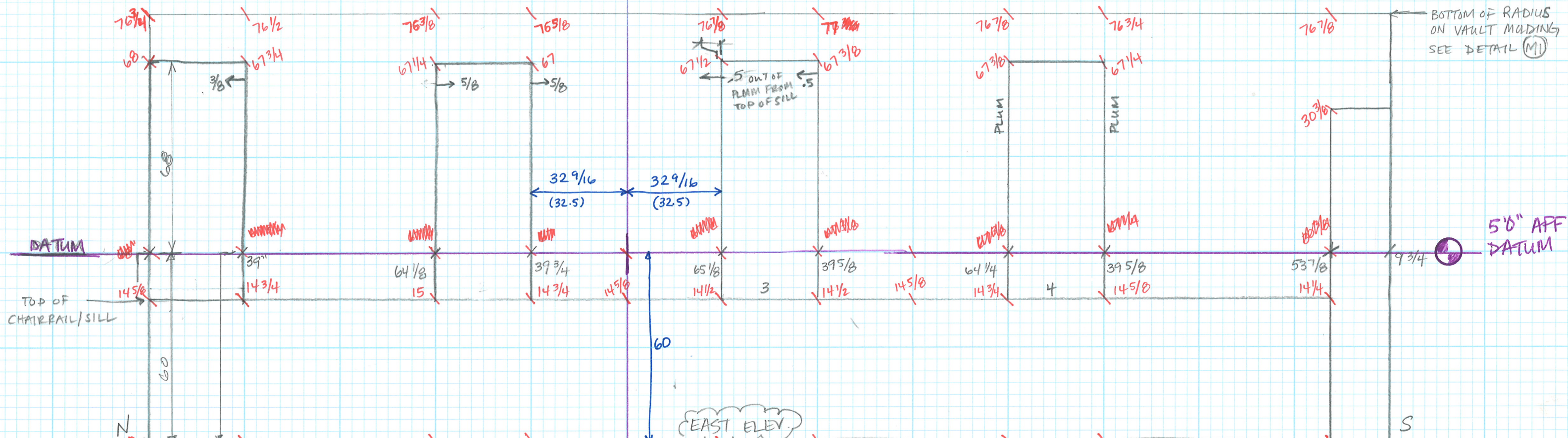


ERIN-WARREN SCHOOLHOUSE
 NORTH ELEVATION
 WHITNEY GRAVELLE
 MARCH, 2015
 HABS MI-449

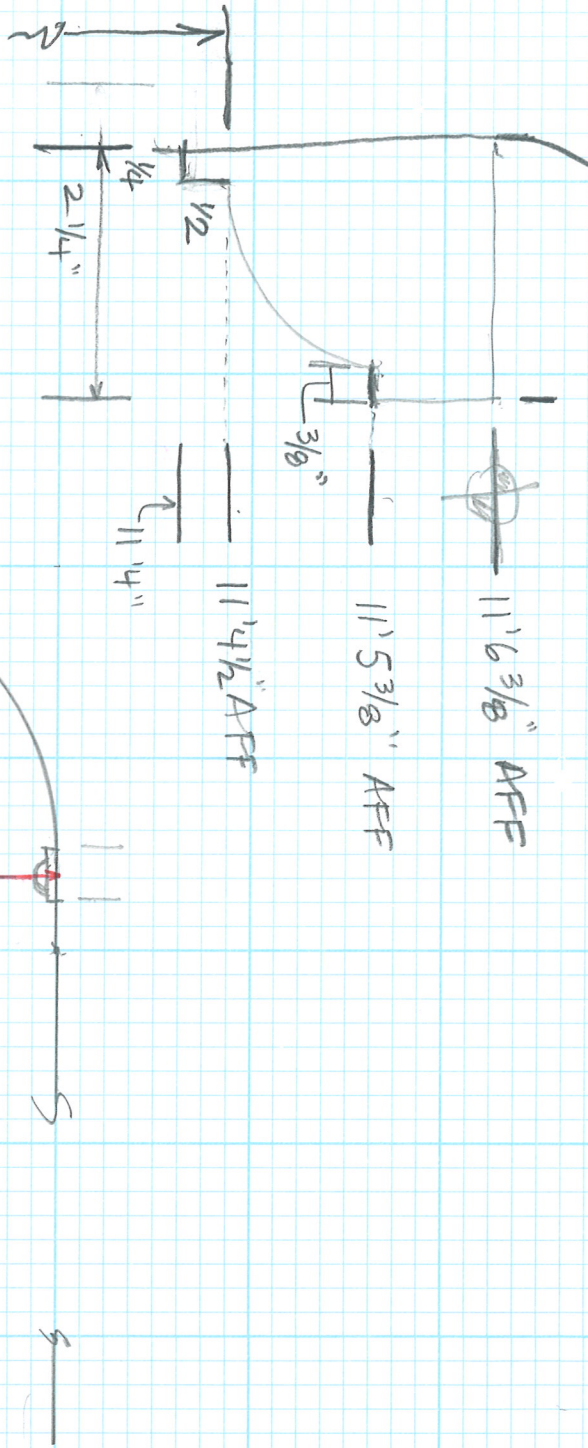
NORTH ELEV.

* = MEASUREMENTS OFF TOP OF STAGE
 NOTE: STAGE = 8" HIGH

51 7/8
 8"



ERIN-WARREN
SCHOOLHOUSE
EAST & WEST
ELEVATIONS
WHITNEY GRAVEL
MARCH, 2015
HABS M1-449

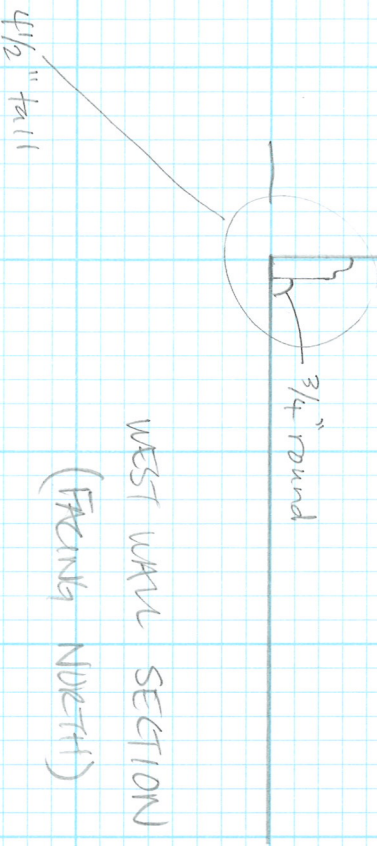


60" STAIRUM

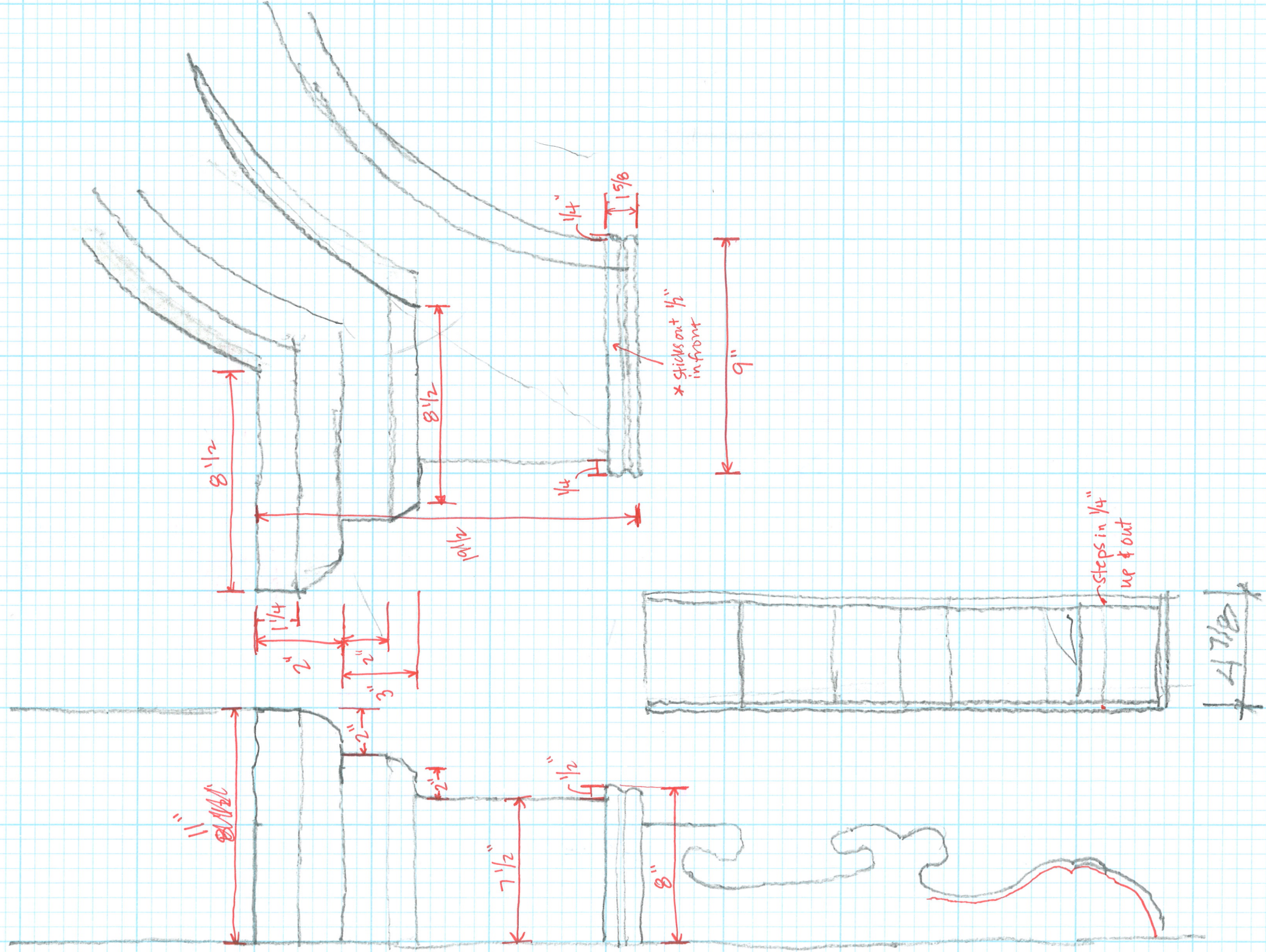
11'5 3/4
11'6 3/4

14'3 3/4
- 11'6 3/8

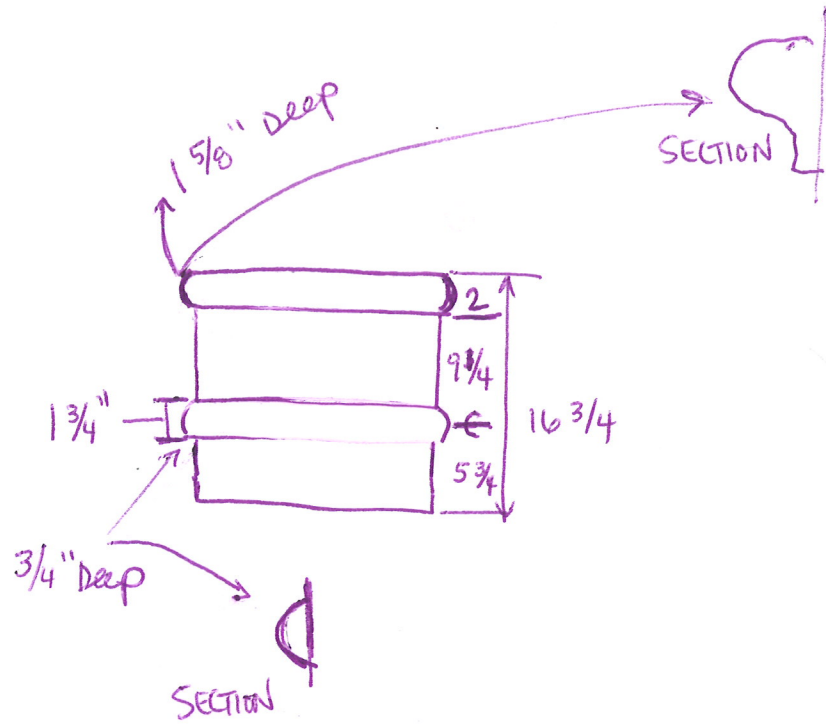
14'3



WEST WALL SECTION
(FACING NORTH)

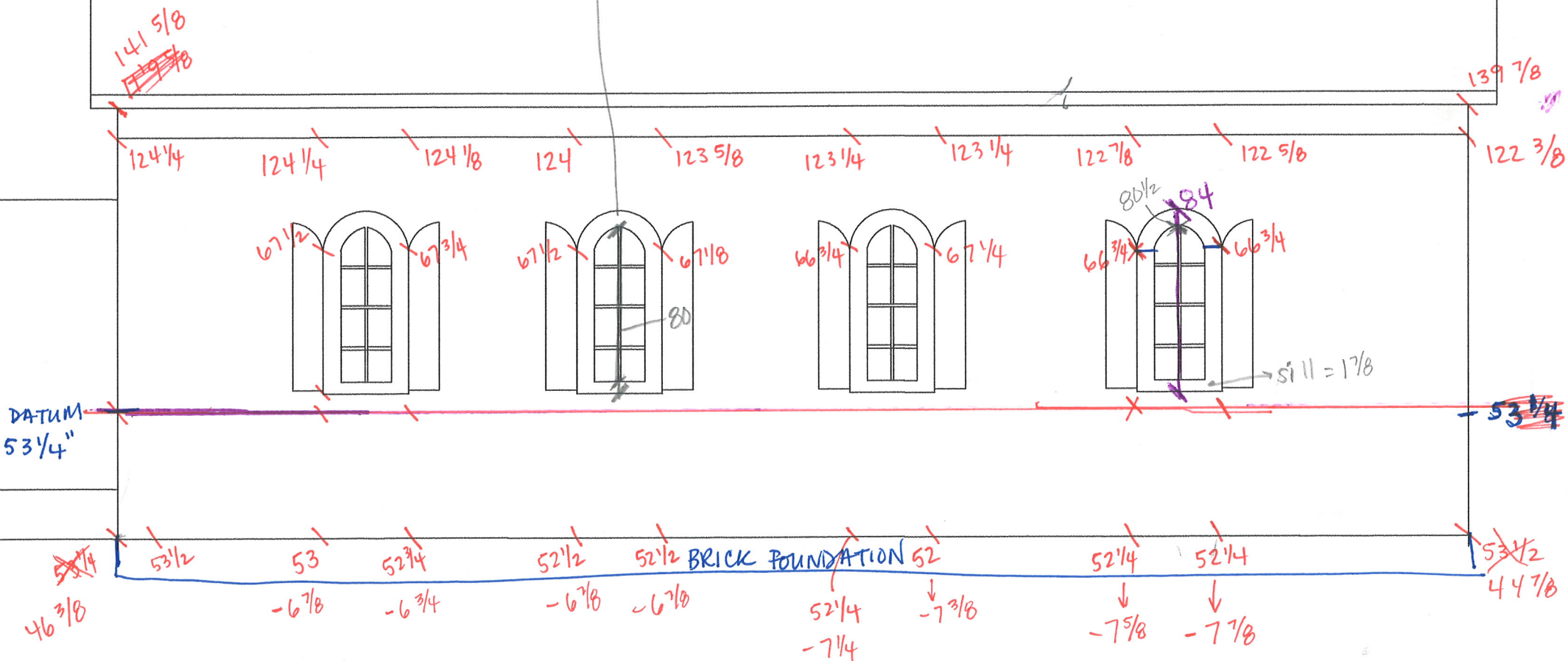
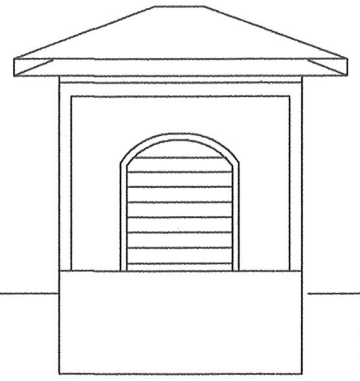


ERIN-WARREN SCHOOLHOUSE
 DOOR HOOD DETAILS
 WHITNEY GRAVELLE
 MARCH, 2015
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ROOF PITCH
12:8

CEDAR SHINGLES



11 7 7/8