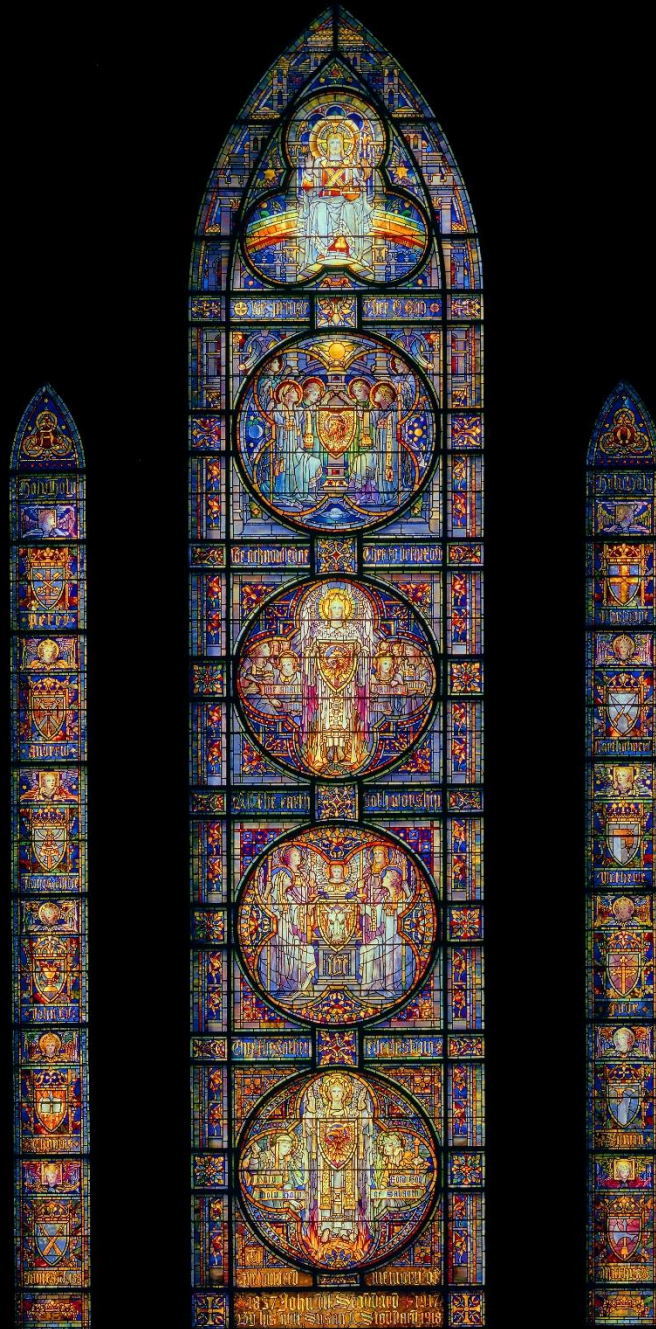


THE WALL

&

THE
WINDOW

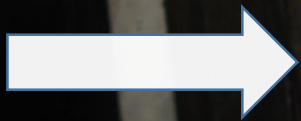


July 30, 2012

There was a week of 90+ degree days. This is when we first noticed the window had shifted its shape.



See how it bows



Te Deum Window Update

In 1999, B&G investigated the condition of the window, with Thomas Venturella, an expert from New York City.

Invited back, Mr. Venturella agrees the window has gotten worse since his visit 13 years earlier. Without delay, it needs to be restored. The entire window needs to be taken out. His studio is equipped to do the highest quality repairs. He will work up a formal estimate for us.

We should plan on the window being out for at least 9 months. A visual replacement can be created on fabric and hung in its place. The projected cost is upwards to \$300,000.

11/5/12

April 5, 2013

- Report compiled of the recommendations of nine different stained glass window companies, and two consultants.
- The recommendations of the stained glass window companies were conflicting. None agreed with each other.
- The prices were, as a result, across the board.
- It was obvious we needed a consultant, and one that would not have the potential conflict of also bidding to do the work.

July 1, 2013

STAINED GLASS WINDOW CONDITION ANALYSIS:

Te Deum Window by Tiffany Studios

Westminster Presbyterian Church

Dayton, OH

July 1, 2013

by Julie L. Sloan, Consultant
© 2013, Julie L. Sloan

Of critical
importance is the
ventilation of the
protective glazing.



We estimate that the
entire cost of the
project, excluding
scaffolding and
project management,
will be \$725,000.

submitted to
Craig Showalter, Westminster Presbyterian Church
125 N. Wilkinson St.
Dayton, OH 45402



Julie L. Sloan, LLC
Consultants in Stained Glass
54 Cherry St., North Adams, MA 01247
(413) 663-5512; Fax (413) 663-7167; JLSloan@JLSloan.com



TE DEUM WINDOW PROPOSAL

B&G Request to Session 8/6/13

The Committee requests approval and funding to hire Julie Sloan to develop technical specifications and contract documents in preparation for getting bids for this work, for \$15,050, plus expenses.

...To include an engineer, Session approves \$25,000, and later another \$5,000.

The
evaluation
required us
to take out
a panel.



November 15, 2013





Panel being held carefully →



Panel being moved quickly →



The evaluation
required taking a
lift to get a close-up
view of the outside.
On the lift are Julie
and Craig.







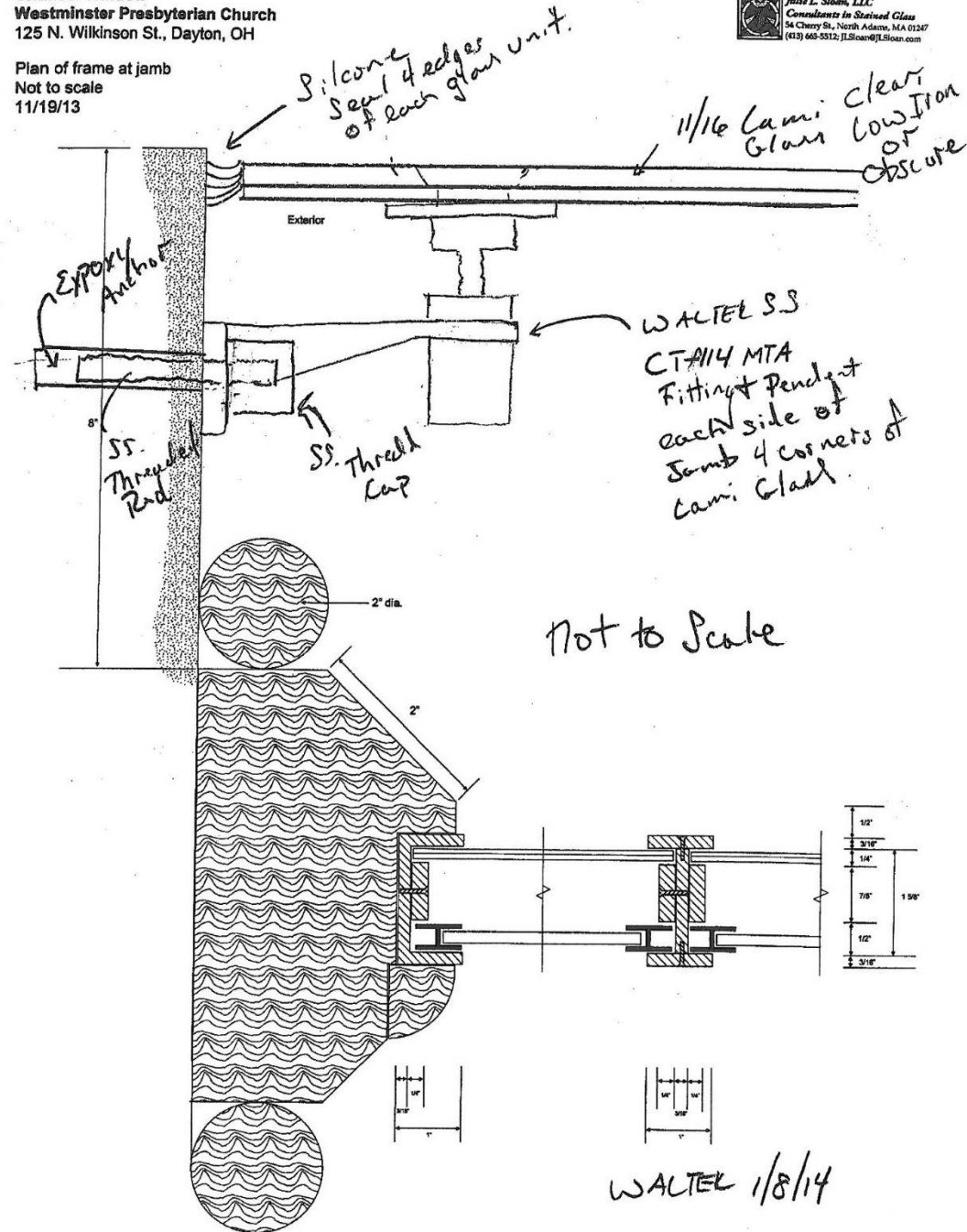




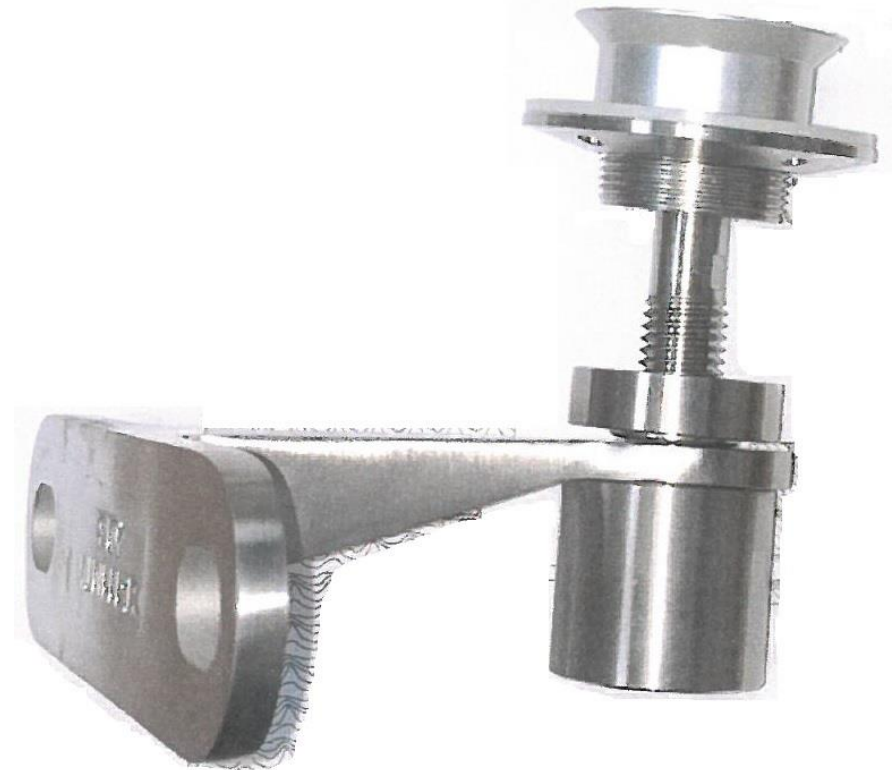
Chancel Window
Westminster Presbyterian Church
125 N. Wilkinson St., Dayton, OH

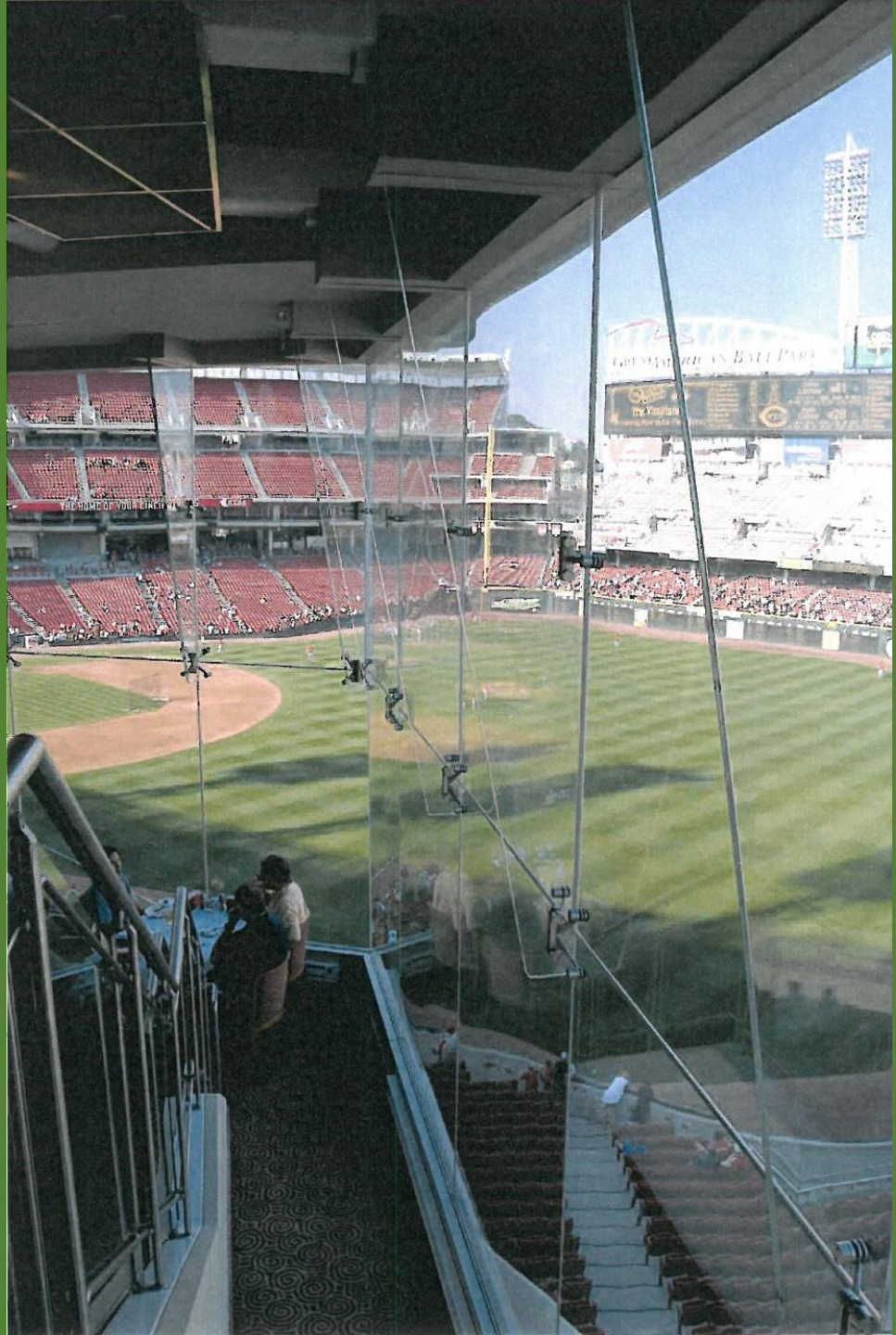
Plan of frame at jamb
Not to scale
11/19/13

Julie L. Sloan, LLC
Consultants in Stained Glass
54 Cherry St., North Adams, MA 01247
(413) 662-5312; JLSloan@JLSloan.com



The first proposal about how to add space between the stained glass window and the exterior window.





January 10, 2014 -- Steve Schaefer, Engineer

Because the wall and piers are marginal at best for resisting the 90 mph wind load without an adequate safety factor (let alone the additional 15 percent safety due to the number of occupants) and because of the very high value of the Tiffany stained glass windows at the church, I recommend adding additional bracing for the piers so that they can resist wind loads in excess of 90 mph. **This bracing would include placing a steel column against the inside of both piers.** This column would extend from the concrete floor a few feet below the wood choir floor, up to the existing ceiling framing (or possibly to the underside of the roof framing). The piers would be anchored to these new columns with threaded rods set in epoxy adhesive. Increasing the design load on the new columns by another 30 percent beyond the 15 percent increase due to the number of occupants would be equivalent to a 110 mph wind speed instead of the basic 90 mph.

Walkthrough and Pre-Bid Meeting

Monday, May 19, 2014

1:00pm

at the project site

Westminster Presbyterian Church

125 N Wilkinson Street

Dayton, OH 45402

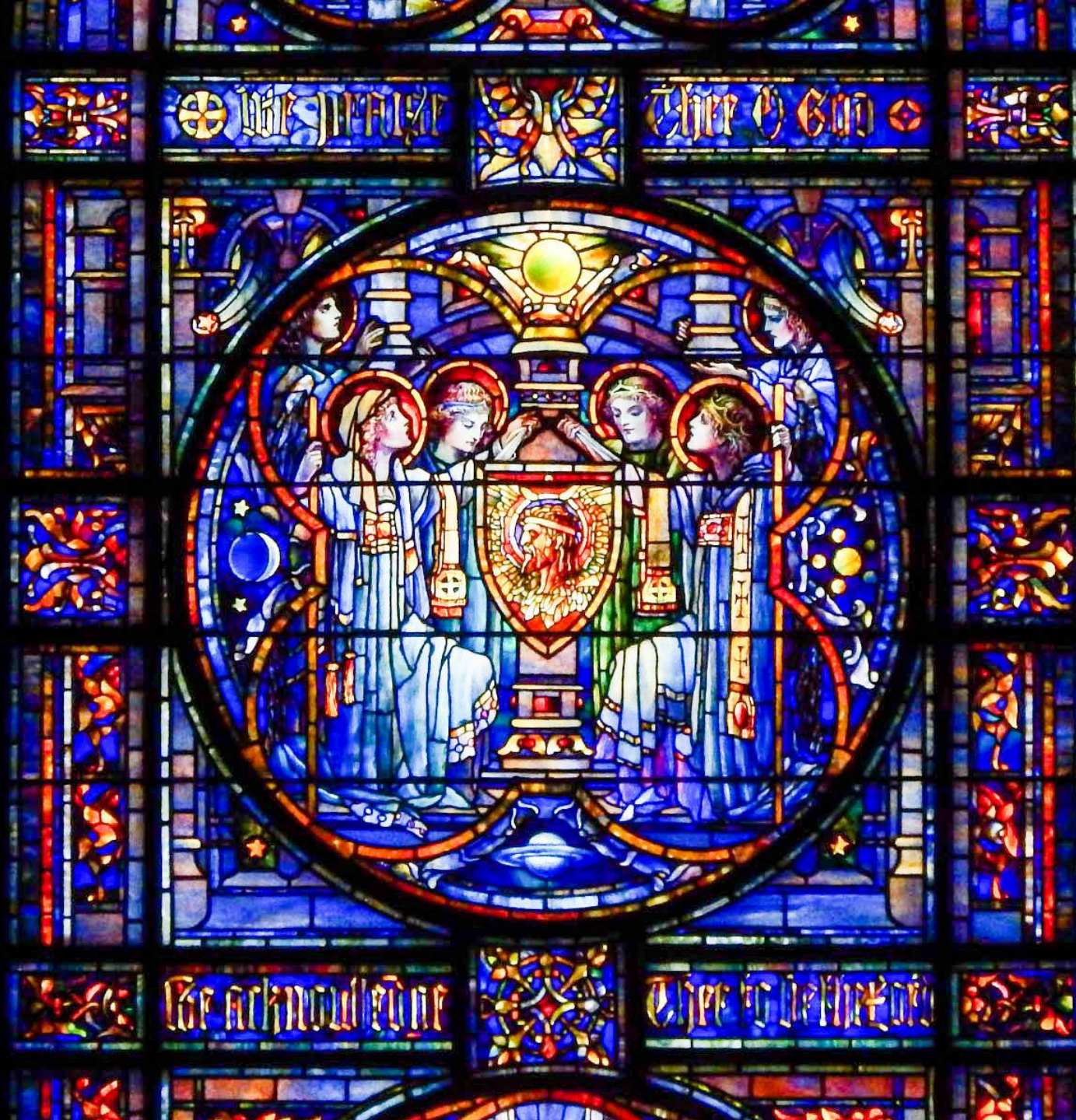
Invited to bid:

Beauverre Riordan Stained Glass Studios	Middletown, OH
Cohoes Design Glass Associates	Schenectady, NY
Conrad Schmitt Studios, Inc.	New Berlin, WI
Franklin Art Glass Studios Inc.	Columbus, OH
Clerkin Higgins Stained Glass, Inc.	Brooklyn, NY
Stained Glass by Shenandoah	Front Royal, VA
Venturella Studio	New York, NY
Welton/O'Neill Studios	Magdalena, NM
Willet-Hauser Architectural Glass	Winona, MN & Philadelphia, PA

Bids received:

Willet-Hauser Architectural Glass
Conrad Schmitt Studios, Inc.
Cohoes Design Glass Associates
Welton/O'Neill Studios

May 19, 2014:
While here, Julie
takes pictures for
what will be the
temporary window



Rev. Richard Baker
Candidating sermon
June 8, 2014

The Hodge Group feasibility study

July 7, 2014

The results of the study indicate support for a campaign.

The following areas of need, include:

- Restoration of the Te Deum Window
- Repairs to roof, gutters, downspouts, valleys and flashing
- Elevator upgrade
- Structural upgrades: water pipes, electrical service & fire detection
- Replace of one bus
- Restoration of Sanctuary walls and columns
 - Restoration of exteriors windows
 - Restoration of interior doors
 - Upgrades to Fellowship Hall
- Building and Grounds invested funds
- Mission Readiness Fund

Rev. Richard Baker
Pastorate Begins
August 17, 2014

August 17, 2014:
Scaffolding
goes up
in the
choir loft
to remove
the window.





This
gives us
our first
chance
to look
at the
window
up-close.

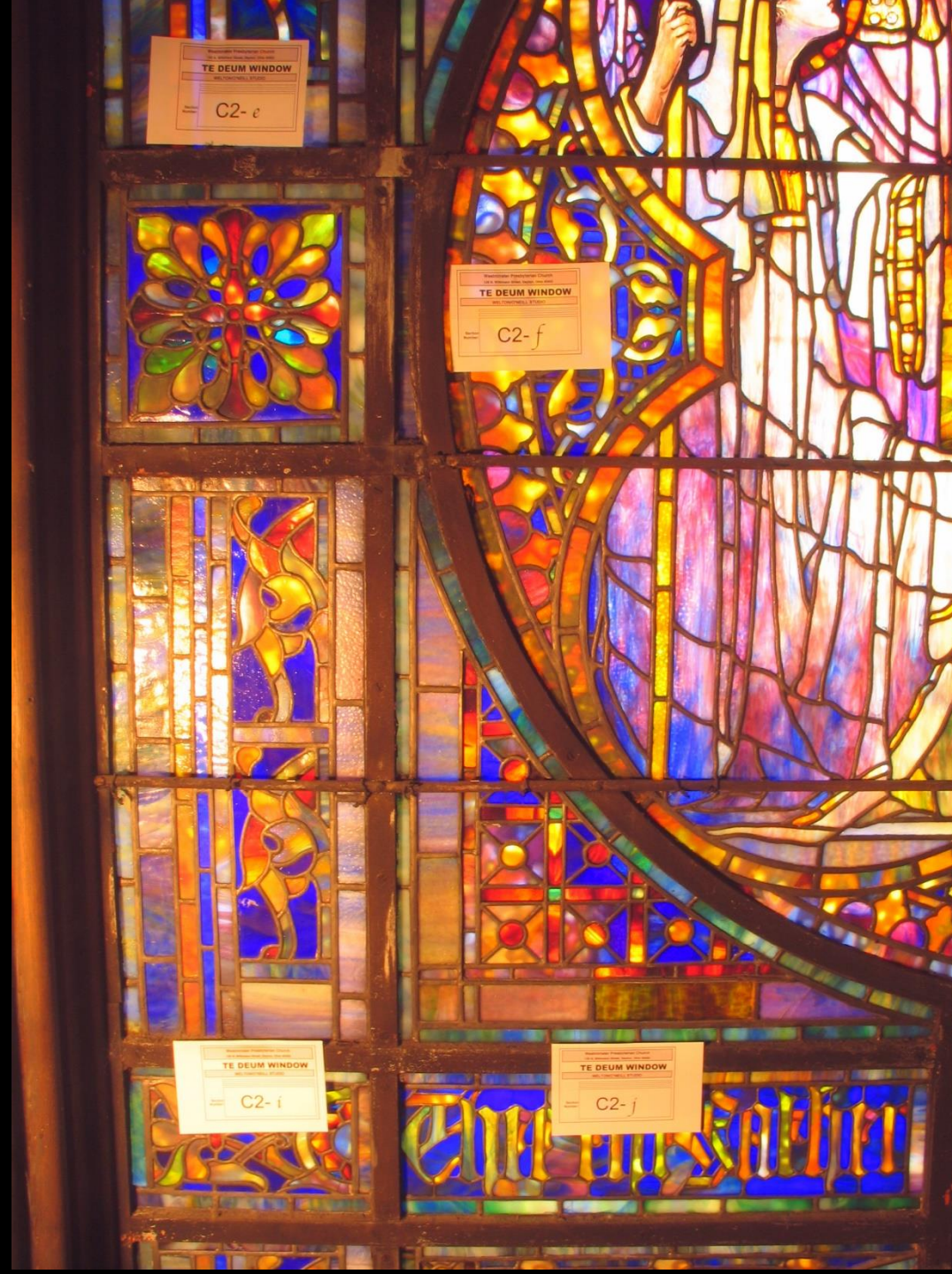








Each section
is carefully
labelled and
documented.



The sections
are removed.





This slide is
a sideways
video of
one of the
medallions
after it was
removed.



The sections
are crated.



Until the
funds can be
secured to
restore the
window...



...the crates are
stored safely in
Shari's office.





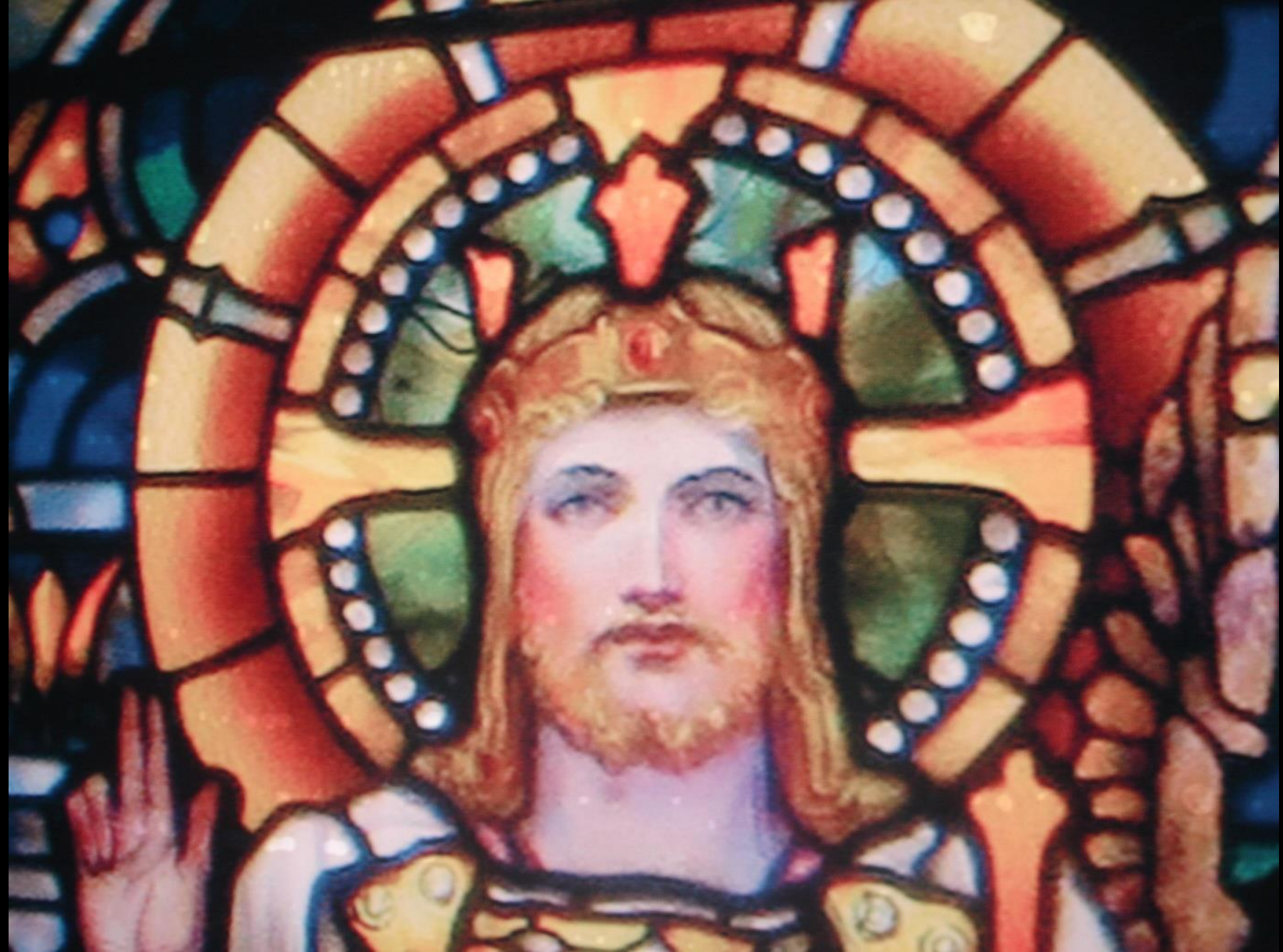




The
temporary
window
goes in.











✠ HIC SITUS

EST CORPUS

✠ HIC SITUS

EST CORPUS

WESTMINSTER PRESBYTERIAN CHURCH
DAYTON, OHIO

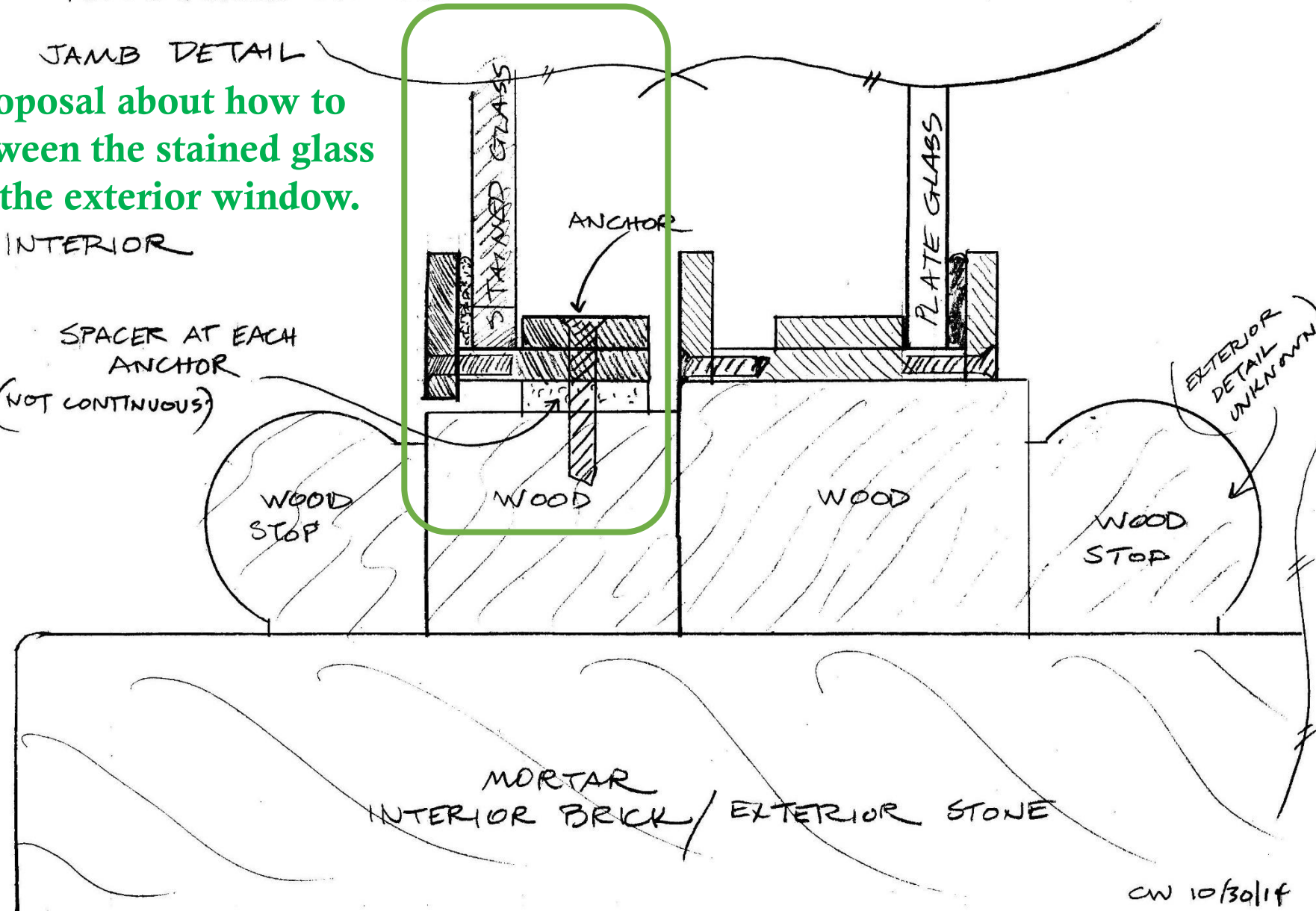
PROPOSED NEW FRAME
FOR STAINED GLASS

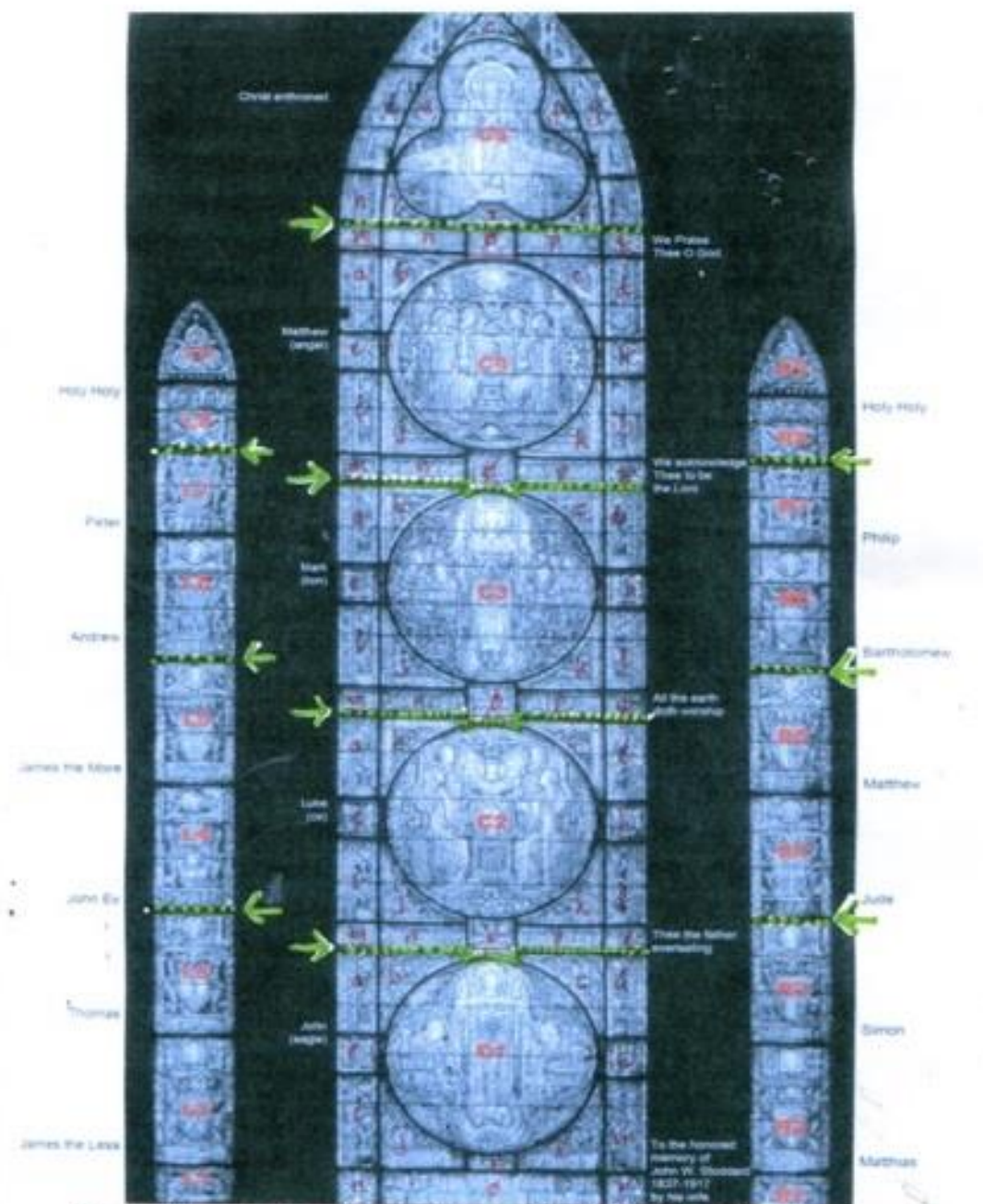
JAMB DETAIL

The final proposal about how to
add space between the stained glass
window and the exterior window.

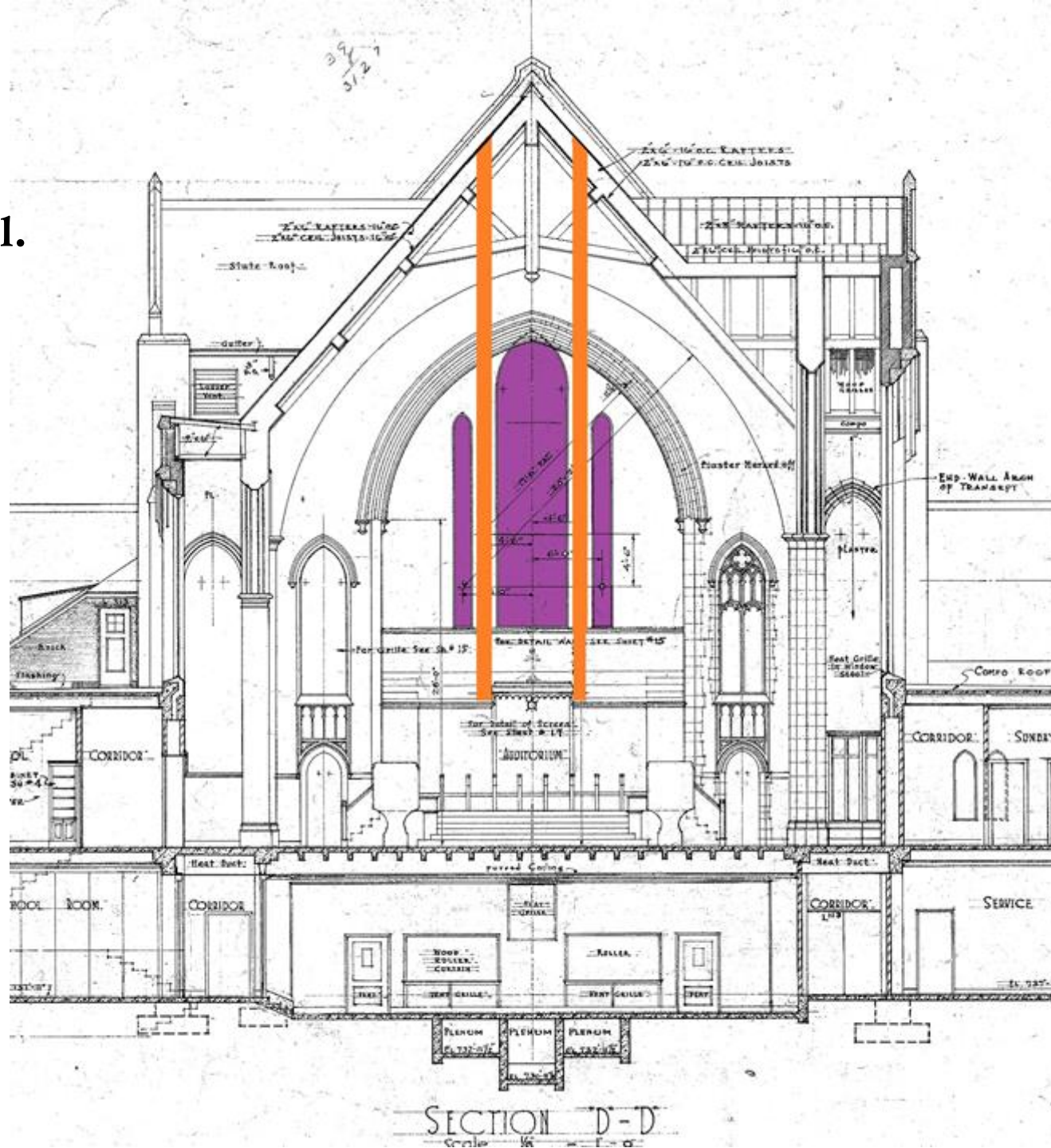
INTERIOR

SPACER AT EACH
ANCHOR
(NOT CONTINUOUS)





Each pier (in orange) would get four steel rods, running vertically through the wall, and set with mortar.



April 17, 2015
Wall
evaluation





FIG. 12.—Hardening cylinder

We learned the
wall is full of
sand-lime bricks.

(f) There is a factory located about $3\frac{1}{2}$ miles from Dayton, Ohio, on the Cleveland, Cincinnati, Chicago & St. Louis Railway. In spite of the close proximity to the market it is found economical to make all deliveries by freight. The sand bank forms a good-sized hill, which has been cut back so that the working face is now about 60 feet high. The sand is rather coarse and contains a good deal of gravel, but little clay. It is shoveled into small tramcars, which are run by gravity to the foot of a belt conveyor. This takes the sand into the factory and dumps it on a coarse screen, where the gravel is removed. The sand passing the screen falls in a pile on the floor of the factory ready for use. The lime is purchased from the manufacturer at Delaware, Ohio. In order to hydrate it, 700 pounds of water are put in a large quencher and 800 pounds of lime added. As soon as the violent action has ceased the hydrate is dumped into a silo. There are two silos, each large enough to hold a week's supply of hydrate. One barrow of sand and one of lime are put in a wet pan and mixed for two minutes. Then two barrows of sand are added and mixed for one minute. The required amount of water is added during the last minute of mixing. The contents of the pan are removed by a scoop and delivered to a storage hopper by means of a bucket elevator. From here the material is fed as needed to a two-mold, rotary-table press. The fac-

DEPARTMENT OF COMMERCE

TECHNOLOGIC PAPERS OF THE BUREAU OF STANDARDS

S. W. STRATTON, DIRECTOR

No. 85

MANUFACTURE AND PROPERTIES OF
SAND-LIME BRICK

BY

WARREN E. EMLEY, Associate Chemist
Bureau of Standards

ISSUED MARCH 22, 1917



WASHINGTON
GOVERNMENT PRINTING OFFICE
1917



Capital Campaign

Conclusion and Celebration

Sunday, May 24, 2015

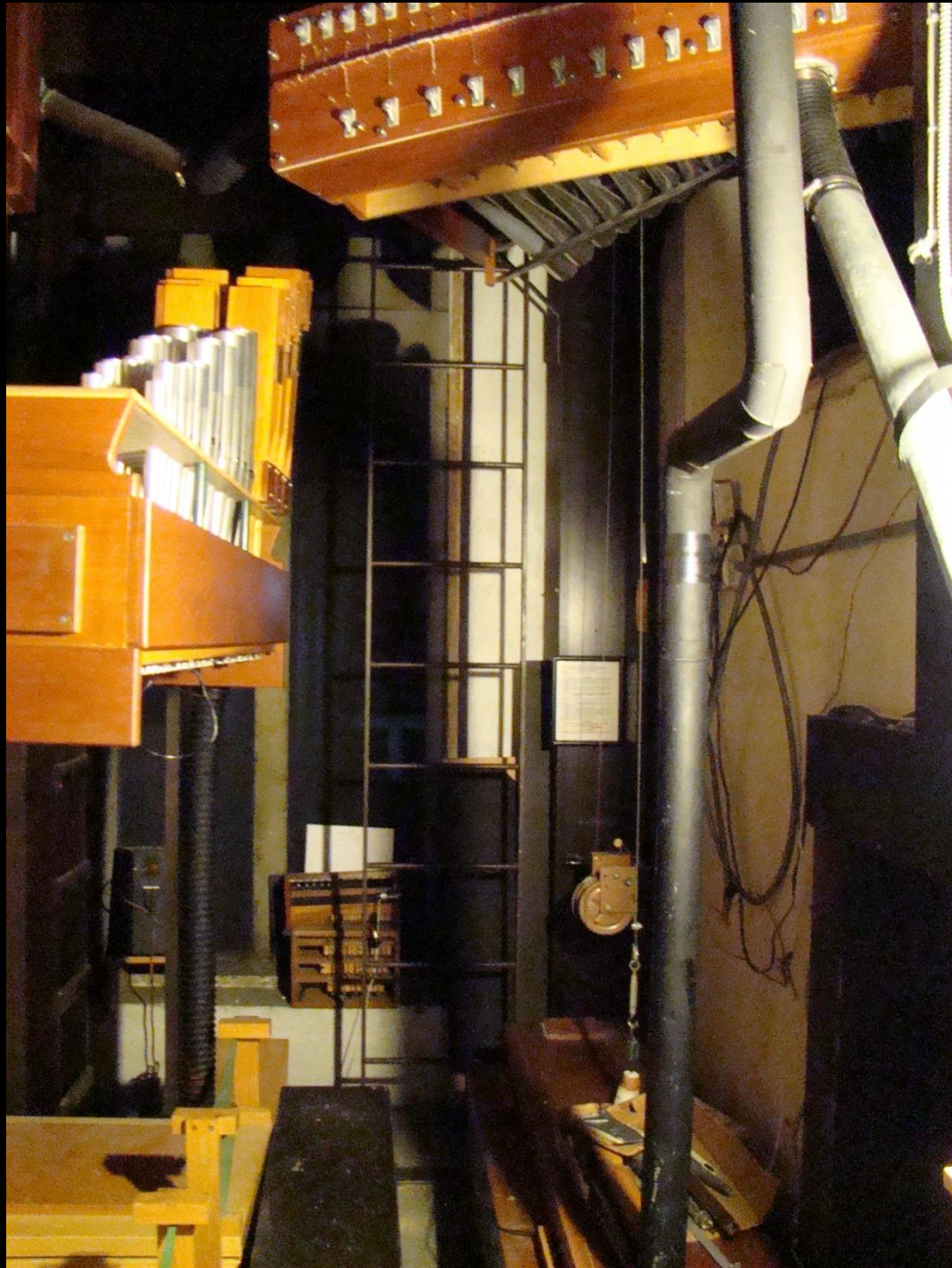
March 20, 2015
The window is
packed up in
their trailer and
driven to the
Welton-O'Neill
studio in
Magdalena,
New Mexico
for restoration.



**How to get above the
ceiling over the Choir Loft.**



June 2015









not supposed
to be bent *

*Yes, John
does know
about this.



supposed
to be bent

The
new
catwalk
above
the
Choir
Loft
ceiling.





How the
lumber
got over
the
ceiling
to build
the
catwalk.



New
steel
beams.

July 2015











How the
steel
beams
got over
the
ceiling.



Before



After

...the
erection of
90 feet of
scaffolding.

July 6, 2015



**Removing the
decorative
stones on the
top of the
wall.**

July 11, 2015









July 31, 2015
Scaffolding
is back up in
the sanctuary.



August 2015
The wall
strengthening
process
begins with
injections.



**Setting up
the drill.**



A stone
pops out
of the
wall.

October 1, 2015



The
wall
splits
open.



October 12, 2015





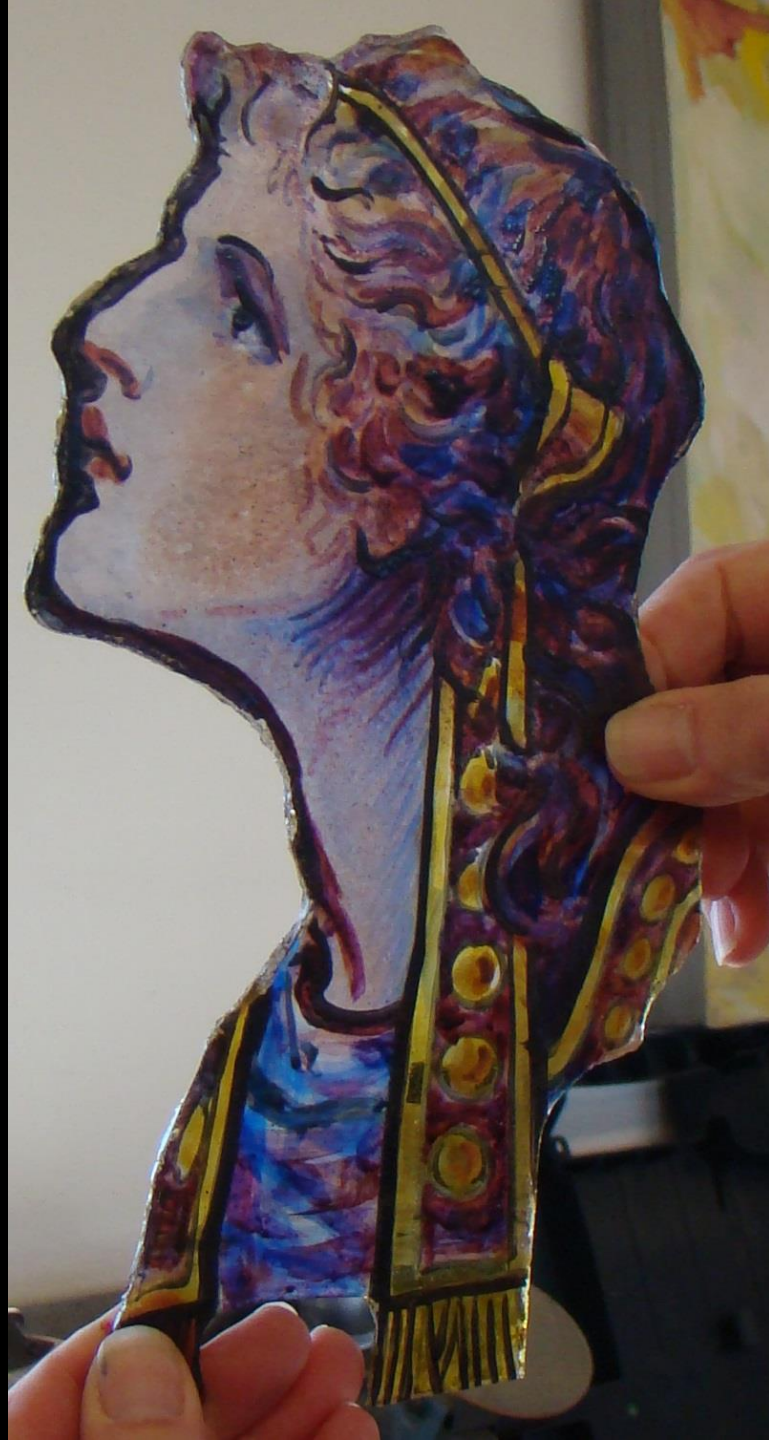
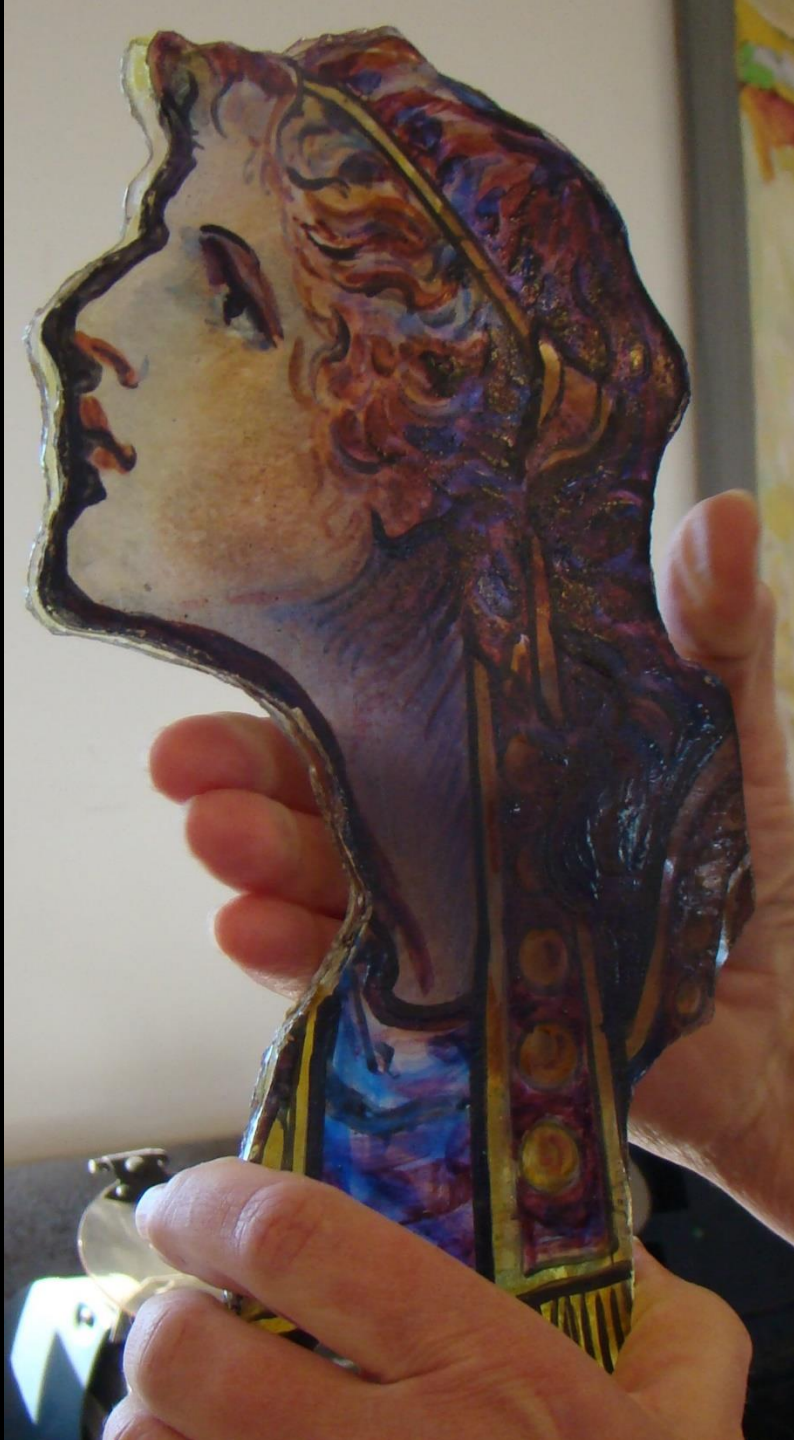
Temporary window
Temporary wall support

The work in the
church comes to a
complete halt on
November 5, 2015.





December 2015





February 12, 2016

Dave Boezi, Chair of Building & Grounds Committee, and Craig, met with the owner of the drilling company to resolve what to do after the big crack in the wall.

April 2016



**Horizontal
anchors.**





May 2, 2016
The restored window is delivered.



...and stored back in Shari's office.

The drill is
set back up,
now on the
other side.





A little
dust
from
the
drilling.

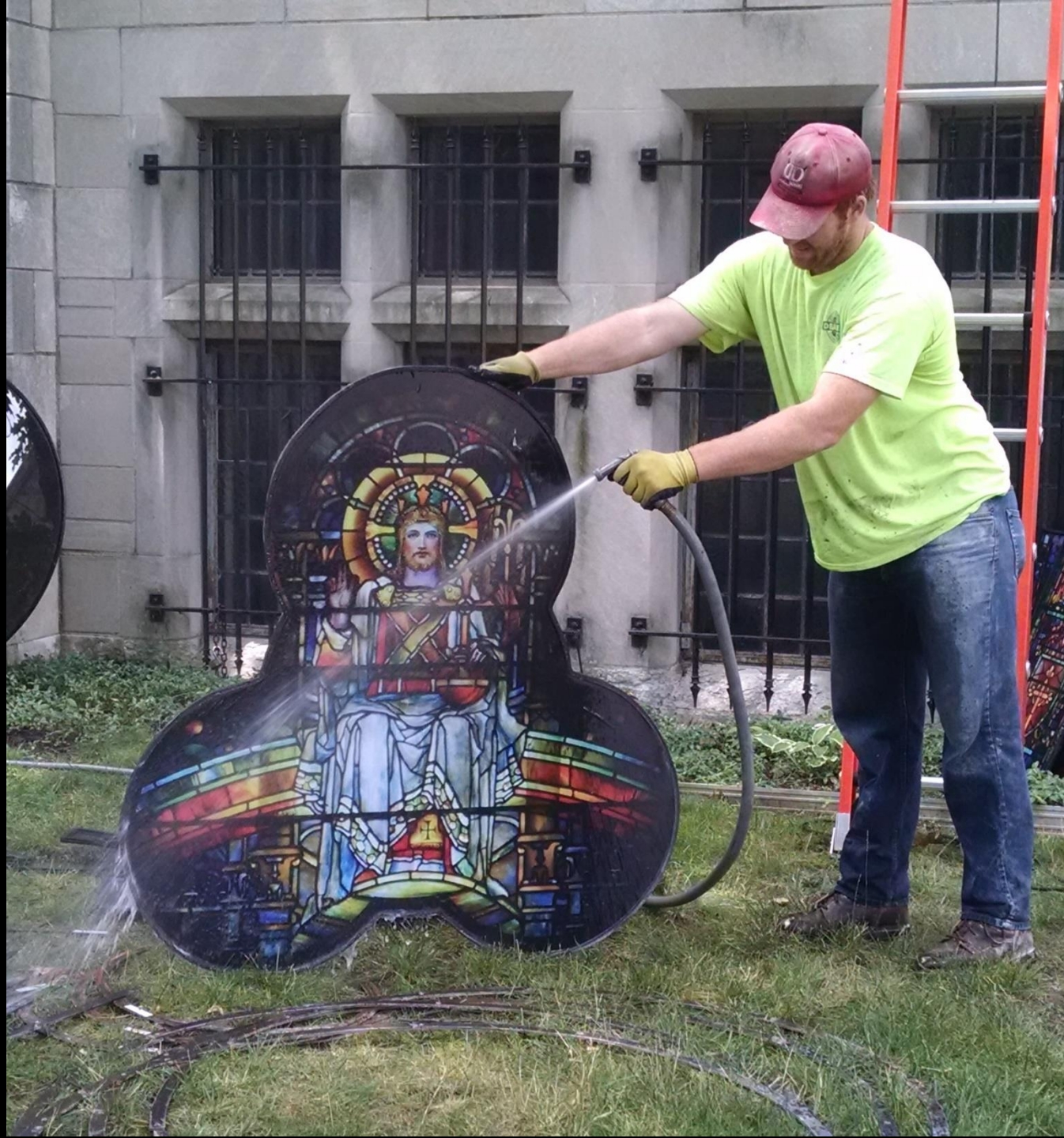


June 2016





How
Westminster
restored its
famous
Tiffany
stained glass
window!



No, not really.
This is just a panel
of the temporary
window.





For
July 2,
2016
Wedding
&
Funeral



Putting
the top
stones
back
on.

July 9, 2016









**Now, to clean
up that crack
in the wall.**



**A new coat of
plaster over a
layer of wire
mesh, across
the entire wall.**



Restoring the
exterior frame, too.





Stolen trailer delays Dayton church project



By Tyler Utzka

Published: July 31, 2016, 11:37 pm | Updated: August 1, 2016, 3:23 am



DAYTON, Ohio (WDTN) – A 16-foot trailer carrying tools and thousands of dollars worth of custom stained glass framework stolen was stolen in Butler Township early Sunday morning.

If not found, it could mean members of the Westminster Presbyterian Church in Dayton will have to wait another year to see the project completed.

“The parishioners here have been waiting now for two years to see that window back in,” said Tim O’Neill of Welton/O’Neill Studio LLC, the company in charge of the restoration. “They have weddings scheduled, all of these things scheduled that this window plays a big part in and it’s not going to be there.”



Viewer tips lead to recovery of trailer, unique cargo

BY ELYSE COULTER | MONDAY, AUGUST 1ST 2016



7-31 trailer 4.JPG



VIEW PHOTO GALLERY

5 photos



August 3, 2016











August 8,
2016

The first
piece of
restored
stained
glass gets
put in
place.



The last piece
is put in on
August 15,
2016.



35 second time lapse of
the one week process

