March 5, 2020

David Bergstone
Salem Congregation
501 South Main Street
Winston-Salem, NC 27101

RE: COA2020-020
Belo House
455 South Main Street
Old Salem District #35/36
Contributing

Dear Mr. Bergstone:

At the March 4, 2020, meeting of the Forsyth County Historic Resources Commission, review and consideration was made of the following Certificate of Appropriateness (COA) application for the Belo House, located at 455 South Main Street, Winston-Salem, North Carolina:

- Installation of internet receiver

After consideration, the Commission voted that the application be approved. Enclosed are the Order, COA, COA Placard, and Certification of Completion Form.

Please note it is the applicant’s responsibility to contact Commission staff regarding any and all conditions to which a COA is subject. This is a requirement of COA issuance. Additionally, the applicant shall contact Commission staff if, in the process of continuing the project, unknown circumstances arise which may result in changes, alterations, or modifications. This includes, but is not limited to, issues related to zoning and use of the property.

The application as-submitted includes all written, verbal, and graphic information provided to the Commission and/or Commission staff. All approved work must be completed within three (3) years of the COA date of issuance.

If you have questions, please contact me by phone at 336-747-7063 or by email at michellem@cityofws.org.

Sincerely,

Michelle M. McCullough
Historic Resources Officer

Enclosures
On March 4, 2020, the Forsyth County Historic Resources Commission ("Commission")
conducted, in the above referenced matter, a public hearing in accordance with the statutes and
case law pertaining to quasi-judicial proceedings for the issuance of certificates of appropriateness.
During the hearing, Michelle McCullough, Historic Resources Officer, presented the staff report,
findings, and recommendation. David Bergstone, on behalf of Salem Congregation, appeared to
present testimony and evidence in support of the application. No one appeared to present testimony
and evidence in opposition to the application.

After presentation of all testimony and evidence, the Forsyth County Historic Resources
Commission, based upon the evidence presented in the application and during the hearing, finds
that the proposed project is not incongruous with the Old Salem Historic District because:

1) Installation of the internet receiver in the middle of the roof will not be visible from the
street and will have no impact on the character of the property. (Accessory Features, Old
Salem Guideline 4)

2) The internet receiver is 10.25” in diameter and 6.04” in width and will be attached to an
existing vent pipe. The vent pipes are between 2’ and 3’ high. Accordingly, the receiver
will not be visible from the street. Therefore, internet receiver size and scale does not
detract from the character of the building or District. (Accessory Features, Old Salem
Guideline 9)

Based on the preceding findings, the Forsyth County Historic Resources Commission hereby
approves COA2020-020 at the Belo House, located at 455 South Main Street, within the Old Salem
Historic District (P.N# 6835-23-9783.00), with the following conditions:

1) The applicant shall receive, prior to commencement of the work, all other required permits
or permissions from governmental agencies;

2) Commission staff shall review and approve any revisions or deviations to any portion of
the as-submitted work, that qualifies as a minor work, prior to commencement of that
portion of the project; and

3) The applicant shall submit the Certificate of Appropriateness Request for Certification of
Completed Work form and photo documentation of the completed project to HRC staff
within ten (10) days of its completion.
This the fifth day of March, 2020.

Kevin G. Owen, Chair
Forsyth County Historic Resources Commission
CERTIFICATE OF APPROPRIATENESS
Date: March 4, 2020
CASE #: COA2020-020

On March 4, 2020, the Forsyth County Historic Resources Commission approved the issuance of this Certificate of Appropriateness (COA) on the application for the following work at the Belo House, located at 455 South Main Street, in the Old Salem Historic District.

- Installation of internet receiver

Approval of this item granted subject to the following conditions:

1) The applicant shall receive, prior to commencement of the work, all other required permits or permissions from governmental agencies;

2) Commission staff shall review and approve any revisions or deviations to any portion of the as-submitted work, that qualifies as a minor work, prior to commencement of that portion of the project; and

3) The applicant shall submit the Certificate of Appropriateness Request for Certification of Completed Work form and photo documentation of the completed project to HRC staff within ten (10) days of its completion.

This COA runs with the property upon which the work is to be performed. The COA does not serve in any manner as a certification by the HRC or the Winston-Salem/Forsyth County Planning Division that the applicant or anyone else has the authority to be on the subject property to perform the approved work. You should perform your own due diligence to confirm whether you have the legal authority to be on the property to perform the approved work.

This Certificate of Appropriateness expires on March 4, 2023.

Kevin Owen, Chair
Forsyth County Historic Resources Commission

The scope of work for this project must meet all other applicable building codes and ordinances. Any additional approvals or permits from the City must be obtained prior to initiating work.
**Certificate of Appropriateness Request for Certification of Completed Work**

<table>
<thead>
<tr>
<th>COA Number:</th>
<th>COA2020-020</th>
<th>COA Expiration Date:</th>
<th>3/4/2023</th>
</tr>
</thead>
<tbody>
<tr>
<td>Property Owner:</td>
<td>Salem Congregation/David Bergstone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Email Address:</td>
<td><a href="mailto:dbergstone@mccsp.org">dbergstone@mccsp.org</a></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Telephone Number (Daytime):</td>
<td>336-722-6504</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mailing Address (Street or Box):</td>
<td>501 S. Main Street</td>
<td></td>
<td></td>
</tr>
<tr>
<td>City:</td>
<td>Winston-Salem</td>
<td></td>
<td></td>
</tr>
<tr>
<td>State:</td>
<td>NC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zip:</td>
<td>27101</td>
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</tbody>
</table>

**Property Name:** Belo House  
**Address:** 455 South Main Street  
**Approved Work:** Installation of Internet Receiver

**Historic District:** Old Salem Historic District  
**Local Historic Landmark #:** N/A  
**Staff assigned to the Case/Email:** Michelle M. McCullough / michellem@cityofws.org

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**Applicant and/or Property Owner complete and sign below:**

**Date of Completion:**  
**I/We have decided not to undertake this project.**

**Please submit the following items to verify proper completion of work:**

**Photographs:** Photos showing all aspects of the completed work. Submit 4"x6" photographs and this completed form in the mail or scan signed form and email digital photos to Staff assigned to the case referenced above.

**Signature of Applicant and/or Property Owner:**  
**Date:**

**Staff Reviewer:**  
**Date:**
Forsyth County
Historic Resources Commission

CERTIFICATE
OF
APPROPRIATENESS

Has been issued for:

Address: 455 South Main Street

Case #: COA2020-020

Date Issued: March 4, 2020

Expiration Date: March 4, 2023

• Installation of internet receiver

THIS CARD MUST BE KEPT IN A CONSPICUOUS LOCATION UNTIL ALL PHASES OF THE DESCRIBED PROJECT ARE COMPLETED

The scope of work for this project must meet all other applicable building codes and ordinances. Any additional approvals or permits from the jurisdiction must be obtained prior to initiating work.
Certificate of Appropriateness

Property Address: 455 S Main St

Local Historic Landmark: □ Yes ○ No

Local Historic or Historic Overlay District: □ No ○ Old Salem □ Bethabara □ West End

Name of Applicant/Contact: Salem Congregation/David Bergstone

Email Address: dbbergstone@mcs.org

Mailing Address (Street or Box): 501 S. Main St,

City: Winston-Salem

State: NC

Zip: 27101

Property Owner (if different from above):

Email Address:

Mailing Address (Street or Box):

Type of Work (Check all that apply):

□ Relocation ○ Exterior Alteration
□ Demolition □ Landscaping/Site Alteration
□ New Construction or Addition
□ Interior Alteration (Local Historic Landmarks Only)

Is this an after-the-fact application (an application for a project that has been initiated or completed prior to obtaining the required COA from the Commission in violation of the UDO)? □ Yes ○ No

The application is not complete without the required fee.

Submission Requirements Checklist

The application along with all supporting information must be filed at least twenty-one (21) days prior to the next regularly scheduled meeting of the Forsyth County Historic Resources Commission. The Commission meets the first Wednesday of each month at 4:00 pm in the Public Meeting Room, Room 530, Fifth Floor, Bryce A. Stuart Municipal Building, 100 East First Street, Winston-Salem, NC.

□ Sixteen (16) Copies of Application. Submit sixteen (16) copies of the application and all supporting documentation. Additionally, a digital file of the application and supporting documentation, including photographs, is encouraged and may be submitted via email or in DVD format. Please contact Commission staff for details on digital submission information. Commission staff can review digital submission; however, a COA will not be processed until an original signed application is received.

□ Detailed Description of Project. Attach a detailed description of the activity for which you are seeking a Certificate of Appropriateness. Handwritten descriptions will not be accepted.

□ Drawings, Samples, Site Plans, Specifications, Etc. Submit plans, elevations, photographs, or other illustrative information necessary to explain the application. Such information may include detailed plans showing existing and proposed conditions, material samples or product information, descriptions of building materials, landscaping/site plans, photographs, etc. Architectural drawings, construction details, landscape plans, etc. must be legible, but printed on paper no larger than 11"x17". Refer to the reverse side of this form for further details on information to be submitted.

□ List of Adjoining Property Owners (not applicable for Local Historic Landmark properties). Submit a list of the names, mailing addresses, and tax block/lot numbers of property owners within 100 feet on all sides of the property, including across the street. This information may be obtained from the Forsyth County Tax Office at (336) 703-2300 or on the county's website at http://www.forsythcc.com/tax/geodata.aspx.

Note: Applications that do not provide adequate documentation or required materials will be noted as incomplete and may result in delays in the Commission's hearing of the application and/or denial of the request. Revisions made to the applications after the submittal deadline and prior to the Commission hearing may be continued to the following month's hearing. The Commission reserves the right to require additional information if it believes that the submission of such information is necessary to understand the nature of the intended activity.

Signature of Applicant/Contact: ____________________________ Date: 1/29/2020
Description of Work at 455 S Main St (Belo House)

The residents are being offered inexpensive internet service through a local provider who uses direct line of sight connections to their facility downtown. From the middle of the Belo roof they can get necessary access. The receiver is small enough to be mounted to a vent pipe on the flat part of the Belo roof, so it would not be visible from any public street.

See attached specifications of the antenna to be used. It will be attached to an existing vent pipe and is about 10" in size. A single ethernet cable, would run inside the building or behind a downspout on the rear wall to the distribution connection in the lowest level mechanical room.
Roof of Belo House
Vents are 2-3' high.
Impress Your Clients
C5 Point-to-Multipoint Client Radio
4.9–6.2 GHz

The Mimosa C5 is a blazing fast and rugged endpoint client device for most deployment applications. Incorporating unique technology, the product is ideal for professionally installed suburban and rural Fixed Wireless applications.

Fiber Speeds to the Home
The C5 client device delivers the speed businesses and consumers need at a fraction of the cost of fiber to the premise.

TDMA GPS Sync Clin:
Upstream bandwidth and latencies are allocated on demand, enabling significantly higher overall upstream network bandwidth allocation.

Rugged and Affordable
Protection from harsh environments now comes at an affordable price. The C5 includes sealing gel and a unique cable protector that easily accommodates unterminated or pre-terminated RJ-45 cable connectors.

Mounting Options Galore
As every installation is unique, the C5 client device is designed to be easily attached to specially designed, optional mounting accessories.

Compact and Powerful
Delivers incredible range with cutting-edge dual 45° slant polarization design and aperture efficiency of greater than 50%, all in the smallest design possible.
Technical Specifications

Contents
Included in the C5 radio box:
- C5 5 GHz Radio
- Pipe Clamp
- Weatherseal Boot
- Dielectric Grease
- Installation and Warranty Documentation

The C5 radio does not include a power injector or mounting hardware.

Performance
- Max Throughput: 500+ Mbps IP (866 Mbps PHY)
- Wireless Protocols: WiFi Interop, Mimosa GPS Sync (TDMA)
- Modes: Client Mode only

Radio Hardware
- MIMO & Modulation: 2x2/2 MIMO OFDM up to 25G-QAM
- Bandwidth*: 20/40/80 MHz channels tunable in 5 MHz increments for GPS Sync; tunable to standard WiFi channels for WiFi Interop
- Frequency Range: 4900-6200 MHz restricted by country of operation (new US/FCC 5600-5650 support)
- Max Output Power: 20 dBm
- Sensitivity (MCS 0): -87 dBm @ 80 MHz
- -90 dBm @ 40 MHz
- -93 dBm @ 20 MHz

Antenna
- Gain: 20 dBi
- Beamwidth (3 dB): 14° (azimuth and elevation)
- Cross-Polar Isolation: >20 dB
- Polarization: Dual 45° slant polarization

Physical
- Dimensions: Width: 153.31 mm (6.04")
  Diameter: 268.33 mm (10.55")
- Weight: 0.72 kg (1.59 lbs)
- Enclosure Characteristics: Outdoor UV-stabilized engineered polymer
- Wind Survivability: 200 km/h (125 mph)
- Wind Loading: 13.3 kg @ 160 km/h (29 lbs @ 100 mph)
- Mounting: Single pole strap; Azimuth and Elevation adjustability only provided via j-Mount and FlexiMount elevation adjustment and hose clamp loosened rotation on the pole.

Power
Power supply is not included and must be ordered separately.
- Max Power Consumption: 7W
- Power Input: 48 VDC passive Power over Ethernet injectors (not included)
- System Power Method: Passive PoE
- PoE Power Supply: Passive PoE compliant, 48-56 V Power over Ethernet supply (sold separately)

Environmental
- Operating Temperature: -40°C to +55°C (-40°F to 135°F)
- Operating Humidity: 5 to 100% noncondensing
- Operating Altitude: 4,420 m (14,500) maximum
- Shock & Vibration: ETS 300-019-2-4 class 4M5

Radio Features
- Gigabit Ethernet: 10/100/1000-BASE-T
- Multi-User MIMO**: CPE is MU-MIMO capable
- Management Services: Mimosa cloud monitoring and management; SNMPv2 & Syslog legacy monitoring; HTTPS; HTTP, 5 based Web UI
- Smart Spectrum Management: Active scan monitors/logs ongoing RF interference across channels (no service impact); Dynamic auto-optimization of channel and bandwidth use
- Security: WPA2 PSK R & Enterprise 802.1x; Radius provisioning; COA, DM (from A5); 128-bit AES with hardware acceleration
- VLANs: Per subscriber VLAN, Q-in-Q, triple tagging; Management VLAN
- QoS: Supports 4 pre-configured QoS levels

Networking Features
As the subscriber client in the Mimosa access ecosystem, the Mimosa C5 acts as a Layer 2 bridge, and coordinates directly with the Mimosa A5 for advanced Layer 2 network isolation and networking functions. An external subscriber Broadband gateway such as the Mimosa G2 as a properly configured 3rd party WiFi router is recommended for terminating subscriber IP services. Refer to the Mimosa A5 for complete networking details and subscriber router configuration approaches.

Networking Protocols:
Layer 2 MAC bridging; VLAN tagging features are only supported via the Mimosa A5 or external subscriber router. Routing features are not included directly in the C5.

Management Services:
Mimosa cloud monitoring, SNMPV2, monitoring, Syslog, and Web UI

QoS:
Supports 4 pre-configured QoS levels

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* A 5 GHz uses 20 MHz channel widths
** Only; regulations vary by region

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Yes, just the one receiver.
From what I've been told, just a receiver and wire down on the back side it that is how they want to route it.
I think the vent pipe is what he said would be easiest to just strap it to the pipe.

David

On Mon, Feb 17, 2020 at 4:34 PM Michelle McCullough <michellem@cityofws.org> wrote:

I am reviewing your COA to begin my staff report. Will there only be only one receiver? Is there any other equipment that will need to be installed, including the ethernet cable? Will it be installed directly to the side of a vent pipe?