

**Columbia Area Office**

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Charleston Area Office

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wmbeconsultants.com

January 20, 2026

Re: Written Description of Work
Sacred Heart Catholic Church and Susie King Taylor Community School
1707 Bull Street
Savannah, GA 31401

WMBE Project No: 2025-10

Roof Replacement at Sacred Heart Catholic Church:

Removal and salvage the existing clay tile roofing down to the existing tongue and groove wood plank deck (approximately 86.6 squares) on the Sacred Heart Catholic Church. The existing clay tile stored for reuse. Broken or damaged tile will be replaced with Ludowici's French low profile interlocking clay tile to match existing. Self adhered underlayment will be provided at critical locations (Valleys, Eaves, Rakes). Two layers of asphalt saturated felt underlayment (#30 felt meeting ASTM D226) will be provided over the entire roof surface, followed by the Ludowici French, low profile interlocking clay tile.

The church roof has seven (7) dormers on each side of the roof (total 14 dormers). The dormers consist of flat seam metal roofing, metal open valleys, and wood cladding on the sides. The front of the dormers have small windows. Window covers have been previously provided over the dormer windows. Damaged or deteriorated wood at the dormers will be repaired or replaced as necessary during the roof replacement. The existing metal roofs will be repaired.

The roof system drains via built-in gutter on the North and South elevations of the church. The built-in gutter system will be re-lined with tern coated stainless steel.

The prefinished sheet metal coping on the East (front) elevation will be replaced with new prefinished sheet metal to match existing. All other flashings will be tern coated stainless steel.

The low-sloped single ply roof on the West elevation (rear of the church), will be removed down to the existing wood deck (approximately 5 squares). Tapered polyisocyanurate insulation and single ply thermoplastic (PVC) roof system will be provided. Sheet metal scupper, collector heads and downspouts will be replaced to match existing. The sheet metal coping will be removed and replaced to match existing.

Roof Replacement at Susie King Taylor Community School:

Removal and salvage the existing clay tile roofing down to the existing tongue and groove wood plank deck (approximately 93.7 squares) on the Susie King Taylor Community School. The existing clay tile stored for reuse. Broken or damaged tile will be replaced with Ludowici's French low profile interlocking clay tile to match existing. Self adhered underlayment will be provided at critical locations (Valleys, Eaves, Rakes). Two layers of asphalt saturated felt underlayment (#30 felt meeting ASTM D226) will be provided over the entire roof surface, followed by the Ludowici French, low profile interlocking clay tile.

The roof drains via built-in gutter on all four sides of the Community School. The built-in gutter system will be re-lined with tern coated stainless steel.

All flashings will be tern coated stainless steel.

Sacred Heart Church



East Elevation (Front)



North Elevation (side)



South Elevation (Side)



North Elevation (side)



West Elevation (Rear)



Roof (South Side)



Lower Roof at Rear of Church



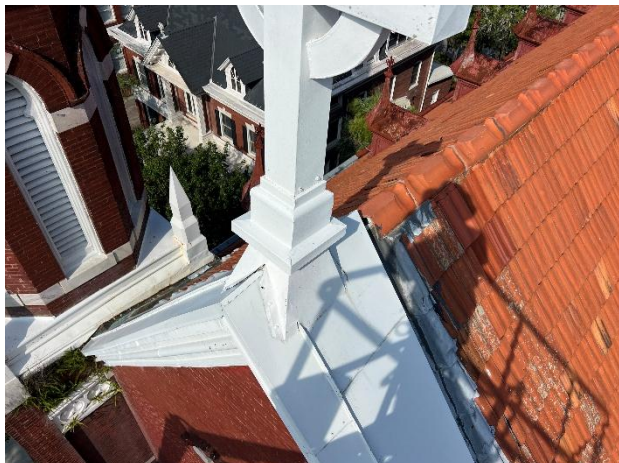
Dormer on North side of roof



Past repairs with plywood sheathing and EIFS cracked



Missing tile, poor tile to metal pan termination



Damaged ridge cap, moisture intrusion causing vegetative growth on exterior brick



Past repair attempts with lead sheet

Susie King Taylor Community School



Built-in gutters deteriorated, Previous repair attempts with asphalt mastic on tiles



Overview of Roof



Overview of roof



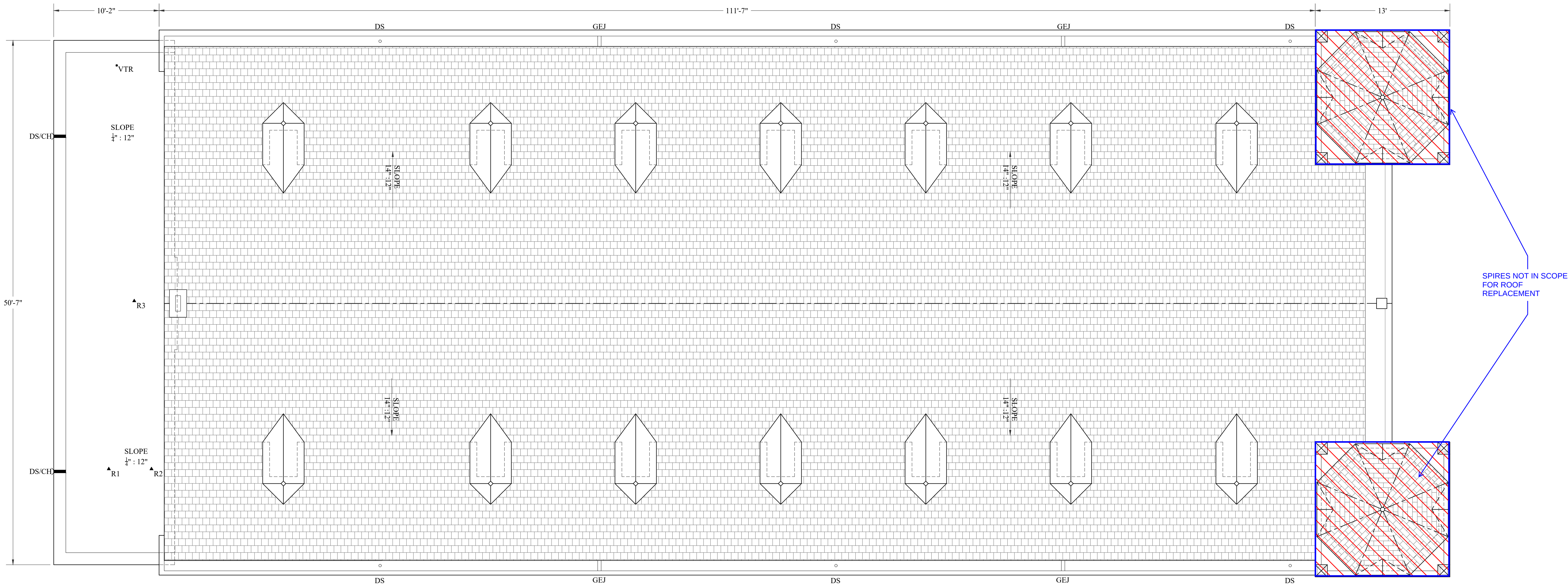
Deteriorated metal valleys



Damaged tiles, multiple previous repair attempts



Built-in gutter deteriorated, interior visible from the roof



1
R-1.1

EXISTING ROOF PLAN (SACRED HEART CATHOLIC CHURCH)

3/16" = 1'

DESIGNED: JB

SACRED HEART CATHOLIC CHURCH AND
SUSIE KING TAYLOR COMMUNITY SCHOOL
ROOF REPLACEMENT

1707 BULL STREET
SAVANNAH, GA 31401



COLUMBIA AREA OFFICE

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EMAIL:CHRIS@WMBECONSULTANTS.COM
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CHARLESTON AREA OFFICE

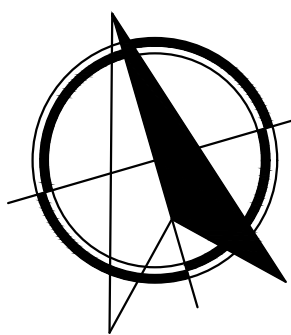
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NORTH



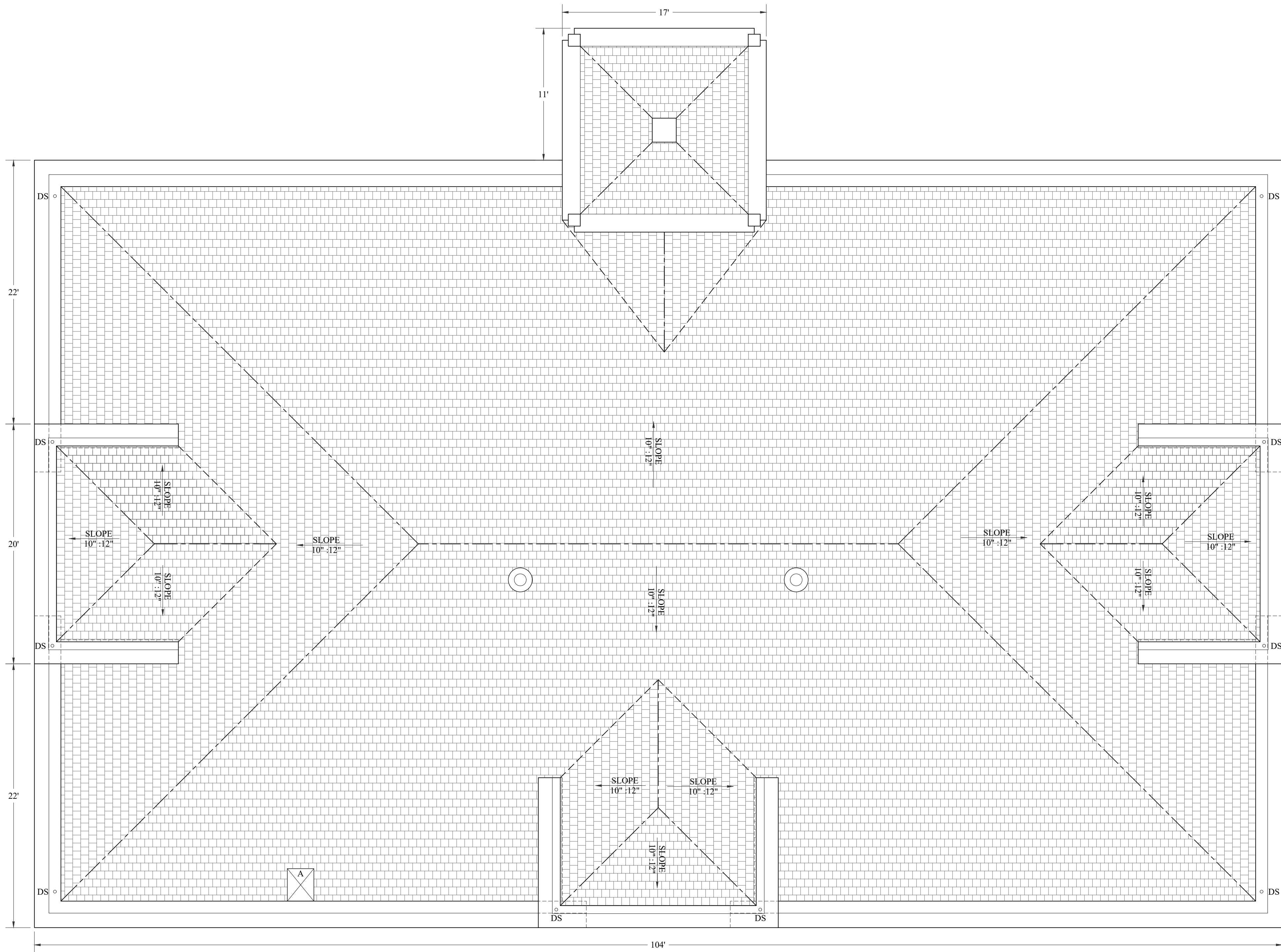
PROJECT NUMBER: 2025-10

DESIGN DEVELOPMENT

DATE: 07-11-2025

EXISTING ROOF PLAN
(SACRED HEART CHURCH)

R-1.1



DESIGNED: JB

SACRED HEART CATHOLIC CHURCH AND
SUSIE KING TAYLOR COMMUNITY SCHOOL
ROOF REPLACEMENT

1707 BULL STREET
SAVANNAH, GA 31401



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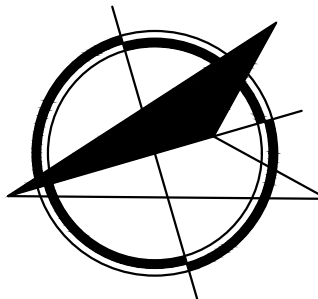
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NORTH



PROJECT NUMBER: 2025-10

DESIGN DEVELOPMENT

DATE: 07-11-2025

EXISTING ROOF PLAN
(SUSIE KING SCHOOL)

R-1.2

T-1 FRENCH HISTORIC TILE



For over 130 years, Ludowici has crafted hundreds of unique terra cotta roof tile profiles and trim parts, ranging from heavily ornate Victorian-era designs to the simpler lines of the second industrial revolution. As architectural styles and tastes have evolved, so has Ludowici's product line. Although some products are no longer standard, Ludowici has a vast library of historic patterns and designs that can still be reproduced today.

Using historic catalogs, drawings, and technical guides dating back to the 1800s, our technical department can identify replacement parts for your historic roof. In addition to replicating our own historic tile profiles and trim, Ludowici can also match tiles from other manufacturers who have long since closed.



PHYSICAL CHARACTERISTICS

CHARACTERISTIC	T-1 FRENCH HISTORIC TILE	PROFILE
Weight Per Square	1025 lbs.	
Pieces Per Square	133 pcs.	
Overall Size	9 x 16 1/4"	
Exposure	8 1/8" x 13 3/8"	
Recommended Minimum Slope**	3:12** or local building codes	
Color Blends	Available in all standard and custom colors. For more information about Ludowici's color program, please see the <i>Colors of Ludowici</i> brochure.	
Base Texture	Smooth Also available in custom textures. Please see the <i>Terra Cotta Textures</i> brochure for more information.	

**In considering slopes less than our recommended minimum, please see Ludowici's *Roof Slope Whitepaper* available from your local sales representative.

LUDOWICI WARRANTY

All Ludowici tiles are manufactured in the United States and carry a 75-year warranty against color fading and manufacturing defects. For complete warranty details, please visit www.ludowici.com.



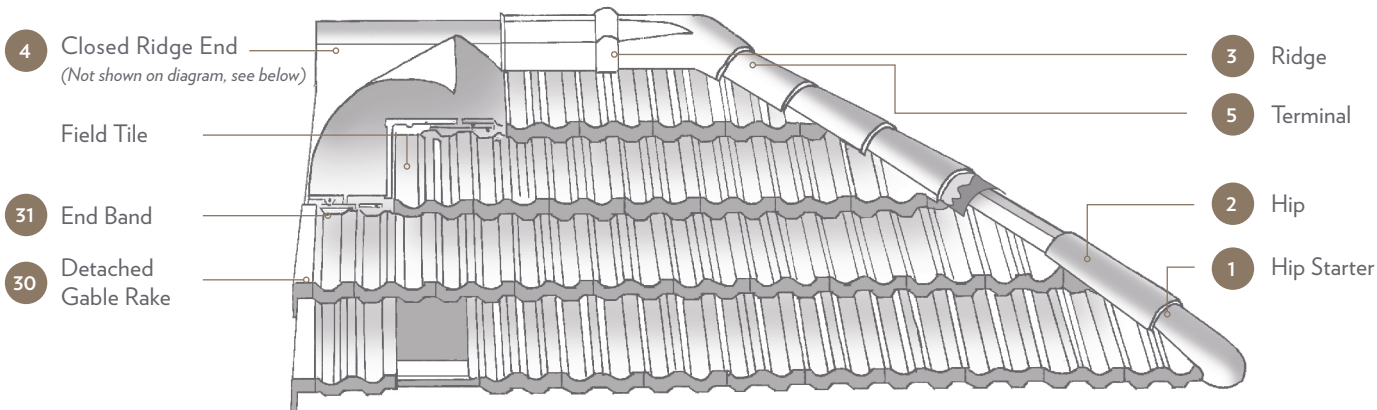
GREEN ATTRIBUTES

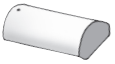
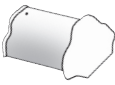
Ludowici terra cotta is an energy-efficient, sustainable choice for your new roof. Learn more about our green story in the Ludowici *Green Promise* brochure.

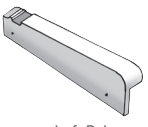
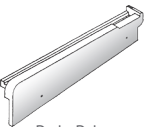
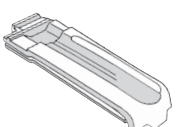


Photos are for representation purposes only and should not be used for final product selection. Tiles ordered should be chosen from actual samples available at the time of order. Ludowici reserves the right to alter and adjust products, colors and finishes at any time. Please contact a sales representative for more information.

T-1 FRENCH HISTORIC TILE



HIP & RIDGE							
Visit www.ludowici.com to download a detailed product sheet on Hip, Ridge and Decorative Hip Starters.							
PROFILE	1 HIP STARTER	2 HIP	3 RIDGE	4 CLOSED RIDGE END	5 TERMINAL		
Circular Cover Hip & Ridge Trim Group	 CC-Hip Starter	 CC-Hip	 CC-Ridge	 CC-Closed Ridge End	 CC-2 Hip 1 Ridge Terminal	 CC-Low Bump 2 Hip 1 Ridge Terminal	
#102/#206 Hip & Ridge Trim Group	 #152 Hip Starter	 #102 Hip Roll	 #206 Ridge	 #206 Closed Ridge End	 #102/#206 2 Hip 1 Ridge Terminal	 #405 High Bump 2 Hip 1 Ridge Terminal	 #406 High Bump Gable Terminal

FITTINGS			
PROFILE	30 DETACHED GABLE RAKE		31 END BAND
	 Left Rake	 Right Rake	
Length	16 1/4"		16 1/4"
Exposure	13 3/8"		13 3/8"
Weight	2.9 lbs./pc.		5.7 lbs./pc.

* Use short course tiles as shorter cap tiles in the first row of a "laid tight method" installation and as pans in the last row at the ridge.



Spengler
INDUSTRIES

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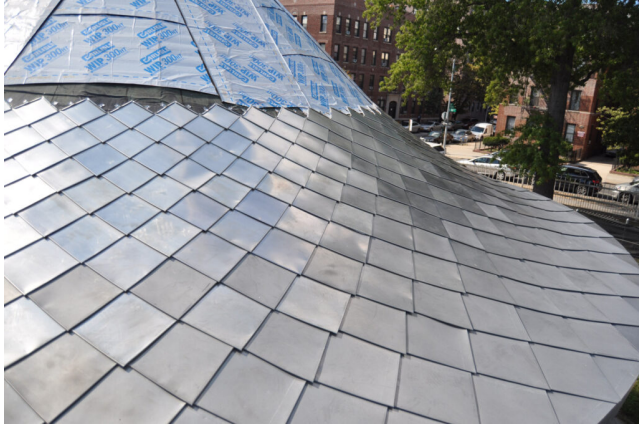
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a Quote

*Forged in 1984.
Proven since the Middle Ages.*



Terne Roofing

Terne can be painted as seen here or left to naturally patinate over time



What is terne?

Terne is an old English word for Tin (the metal). Terne clad (coated) stainless steel, or terne metal to which it is often referred in the industry is a special metal often used in restoration contexts, but has many applications.

Americans are most familiar with the Follansbee terne metal, no longer in fabrication, which was a zinc/tin alloy over top a stainless steel substrate.

The Europeans have long used tin in their construction. Their version of terne is a thick layer of 100% tin covering a 441 grade stainless steel base.

Why select terne for your project?

- ✓ The Patina creates an elegant tin grey surface
- ✓ Exposure to the weather leads to the patination process
- ✓ Ideal for all roof types including drainage solutions and accessory pieces
- ✓ Perfect for rural, urban and light industrial areas (please consult us for best areas of use)
- ✓ Tin-plating is an excellent addition to chrome steel
- ✓ Prices stay more stable as it is a nickel-free stainless steel
- ✓ No problems with normal moisture caused by condensation
- ✓ Excellent solderability thanks to the tin
- ✓ Resistant to algae and roots
- ✓ Can be processed even at low temperatures
- ✓ Can be combined with other materials
- ✓ Lowest thermal expansion
- ✓ 100 % recyclable
- ✓ Tin is paintable

✓ Low maintenance and easy to clean

Installation & Weathering

Tin is a breeze to solder, making our Terne stainless material supremely easy to work with.

Our Terne had been tested and approved for restoration, repair or new construction even in areas where it is planned to be used close to the old Follansbee terne. The terne is popular again with architects and designers for its weathering properties. It is another natural metal which weathers and changes over time. In the architectural world, it is difficult to find other alternatives in natural metals which are long-lasting and appropriate for outdoor, high environmental exposure use and still offer up an ever changing patina.



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January 27, 2026

Re: Physical Material Samples
Sacred Heart Catholic Church and Susie King Taylor Community School
1707 Bull Street
Savannah, GA 31401

WMBE Project No: 2025-10

Physical samples of the products are not provided at this time due to limited access to the roof areas and the lead times for the interlocking clay roof tile. The product data sheets for the Ludowici T-1 French Historic Tile and the Spengler Industries Terne coated Stainless Steel are provided under the Specifications for each product section (pages 14-18).

As you can see from the photos, the profile of the Ludowici T-1 French Historic Tile clay tile matches the existing clay tile. WM has field verified the dimensions of existing tile with the dimensions of the Ludowici T-1 French Historic Tile indicated on the manufacturer's product data sheet. Due to the age of the existing tile, some color variation between the salvaged and new tile is likely, however the colors should blend over time.



Existing Tile



New Tile