

A photograph of a single-story house with a large lawn and trees in the background. The house has a dark roof and a red door. A concrete walkway leads from the foreground to the front door. To the left, there is a driveway with a red car and a white car. The background is filled with tall pine trees under a blue sky with some clouds.

The Dr. Reginald Armistice Hawkins Residence

Background/ Overview of the Scope of Work Proposed

Roof – Scope of Work



Scope of Work

- Replace shingled roof portion of the home with standing seam metal roof that is black or charcoal in color
- Metal roof to be supplied from McElroy Metal (supplemental brochure with detailed specs attached)
 - 1500 Hamilton Road
Bossier City, LA 71111

Metal Panel Roof Details

- System: 238T -OR- Maxima 2"
- Panel Height: 2.375" / 2" mechanically seamed
- Panel Width: 16"
- Configuration: Striated, Plank, Flat or Minor Rib
- Color family: Black/ Charcoal/ Slate
- Cut sheets shown on page 5; full brochure included as separate attachment

Roof – Detailed Measurements



Detailed Measurements

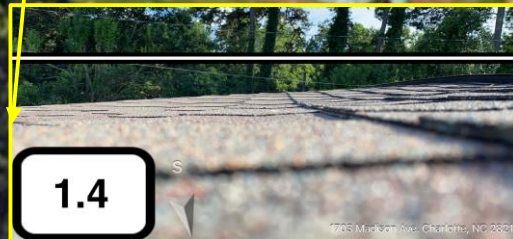
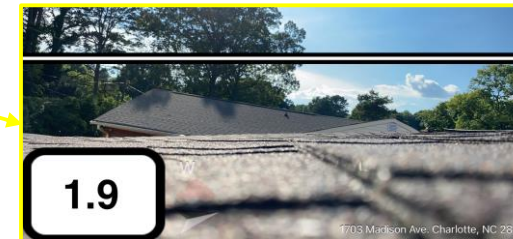
- Surface Area: 3,403.04 ft
- Total Perimeter Length: 339.89 ft
- Number of Squares: 34.03 ft
- Total Ridge Length: 69.70 ft

Roof – Primary Concern



Concern

- Various portions of the roof have a pitch of less than 2:12 rendering shingled roof unwarrantable by the manufacturer and out of NC Building Code



Roof – Cut Sheets

Maxima

Offering strength, durability and aesthetics, vertical leg standing seam systems are the industry's most popular roofing panel. To meet the varying needs of specifiers and contractors, McElroy Metal's Maxima line represents the industry's broadest selection of vertical leg systems:

- Seam heights of 1.5", 2" & 3"
- Varying pan widths
- 90° & 180° seams
- Available flat or curved



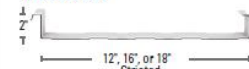
Maxima 1.5"



Maxima 2"

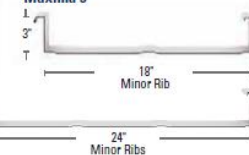


Maxima ADV



Note: Maxima ADV also available without shoulders.

Maxima 3"



Note: Maxima 2" and 3" panels feature a return leg on both the male and female seams. These return legs help create greater strength and uplift capabilities. Maxima 1.5 and ADV do not feature the return legs, which enables the panels to be curved as well as seamed to 180 degrees.

2:16 Low Floating Clip



Maxima Before Seaming



Maxima 90° Fold



Maxima ADV & Maxima 1.5" 180° Fold



Factory Formed Eave Notch



Eave Notch Folded In Field



Note: Patented Floating Clips allow for 3 1/8" of thermal movement

Details

- Mechanically seamed profile
- Factory formed eave notch upon request
- Factory applied sealant (on non-curved panels only)
- Minimum slope: 1:12 for 1.5"
- Minimum slope: 1/2:12 for 2"
- Minimum slope: 1/4:12 for 3"
- Can be installed over solid deck or open framing
- Maxima 2" and ADV also available jobsite formed for long lengths
- Floating clips allow for 3 1/8" thermal movement

Panel Options

- Panel height & width: See panel profile drawings above
- Panel configurations: See chart on left
- Coating: Kynar 500® (PVDF)
- Substrate:
 - Standard 24 gauge Galvalume®
 - Optional 22 gauge Galvalume
 - .032 and .040 aluminum
 (Aluminum is produced at the Sunnyvale, TX facility only. No testing available on aluminum)

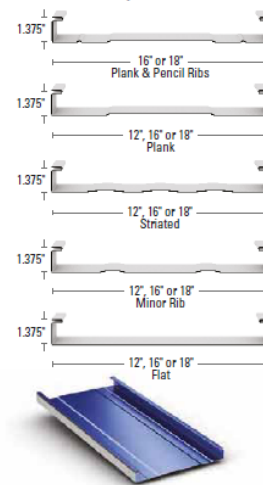
Testing Data

- Fire Rating: Class A
- Uplift Test: UL580 Class 90 FM 4471 for 2" only (1-90 Rated) ASTM E1592 for 1.5", 2" & 3"
- Air Infiltration: ASTM E1680
- Water Infiltration: ASTM E1646
- Class 4 Impact Resistance: UL 2218

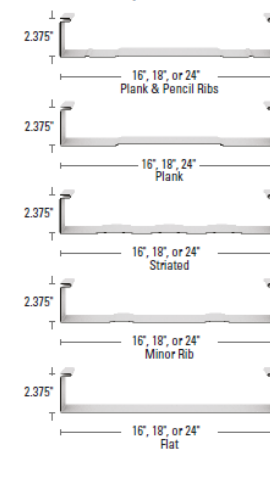
- Florida State Approval: 1747.3 (2" & 3") 1832.4 (2" & 3")
- Fire Resistance: UL 263
- Miami-Dade Approval: (216 only) NOAA#17-0320.04
- ICC-ES Approval: ESR-1082
- All testing conducted with Galvalume substrate
- For any available Test Data, Section Properties or Load Tables, please visit our download section at www.mcelroymetal.com

138T & 238T Panel

138T Panel Options



238T Panel Options



138T Clip



238T Clip



138T and 238T Two Piece Multi-Span Clip (238T Shown)



138T and 238T Two Piece Multi-Span Clip as Installed (238T Shown)



138T Details

- Mechanically seamed
- Minimum slope: 2:12
- Must be installed over solid deck

Panel Options

- 138T panel width: 12", 16", 18"

- Panel configurations:

- 138T (16" & 18") flat, striated, plank & pencil ribs, plank, minor ribs (plank & pencil rib recommended)
- 138T (12") flat, striated, minor ribs, plank (plank recommended)

- Coating: Kynar 500® (PVDF)

- Substrate:

- Standard 24 gauge Galvalume®
- Optional 22 gauge Galvalume
- .032 and .040 aluminum
- Optional 16 oz and 20 oz copper (Houston plant only)

- 138T manufacturing: factory, jobsite roll-formed, curved on-site

Testing Data

- Fire Rating: UL Class A
- Uplift Test: UL580 Class 90, UL 1897, ASTM E1592
- Impact Resistance: UL Class 4
- For any available Test Data, Section Properties or Load Tables, please visit our download section at www.mcelroymetal.com

238T Details

- Mechanically seamed
- Minimum slope: 1/2:12
- 238T subject to prior approval, 1/4:12 may be acceptable
- Can be installed over solid deck or open framing

Panel Options

- 238T panel width: 16", 18", 24" (24" panel formed on-site only)

- Panel configurations: 238T: flat (16" & 18" only), striated, plank & pencil ribs, plank, minor ribs (plank & pencil ribs recommended)

- Coating: Kynar 500® (PVDF)

- Substrate:

- Standard 24 gauge Galvalume®
- Optional 22 gauge Galvalume
- .032 and .040 aluminum
- Optional 16 oz and 20 oz copper (Houston plant only)

- 238T manufacturing: factory, jobsite roll-formed, curved on-site

Testing Data

- Fire Rating: UL Class A
- Uplift Test: UL580 Class 90, UL 1897, FM 4471, ASTM E1592
- Air & Water Infiltration: ASTM E1680, ASTM E1646
- Impact Resistance: UL Class 4
- Static Water: FM 4471 Appendix G, ASTM E2140
- Texas Department of Insurance Approval: RC-270 (238T only)
- Florida State Approval: 16606.1, 16606.2, 16606.3
- Miami Dade Approval: NOAA # 15-1216.03
- ICC-ES Approval: ESR-1082
- FM Class 1-SH
- For any available Test Data, Section Properties or Load Tables, please visit our download section at www.mcelroymetal.com

Gutters – Scope of Work



Scope of Work

- Terminate internal gutter system and replace with 6"-7" seamless box-style gutters
- New gutters to be either aluminum or copper
- If aluminum, color to match color of roof (black/ charcoal/ slate)
- Box style gutters are being chosen since they will most closely replicate the look of the existing internal gutters



Gutters – Primary Concerns: Leaking and Improper Drainage



Water penetration through office windows in rear of home



Improperly sloped gutters resulting in overflowing, erosion and wood rot

Concerns

- Existing gutters have been improperly maintained over the years
- Existing gutters are too shallow to accommodate for proper drainage during heavy rains
- These factors have led to drainage issues, wood rot and leaking in the house

Gutters – Primary Concerns: Leaking and Improper Drainage



Water penetration through ceiling of lower level
in rear of home



Water pooling in lower level by office



Water pooling in lower level

Gutters – Proposed Solution



Rationale

- Most closely replicates the look of the existing internal gutters and will be nearly indistinguishable from the original internal gutters when viewing from the street
- Superior performance relative to existing gutters
- 6"-7" size being chosen to accommodate for reduction in height of fascia board of existing gutters (8") once ~2" of tar and gravel roof is removed





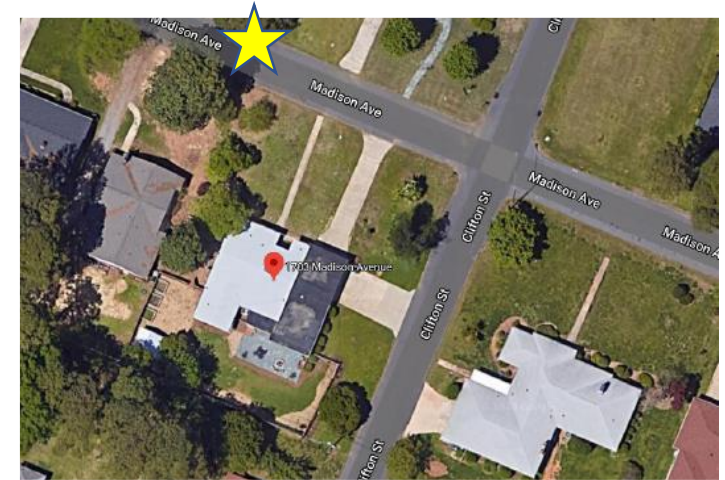
The Dr. Reginald Armistice Hawkins Residence

Street Views of Residence – Existing and Proposed Roof

Madison Ave: Street View 1 – Existing Roof



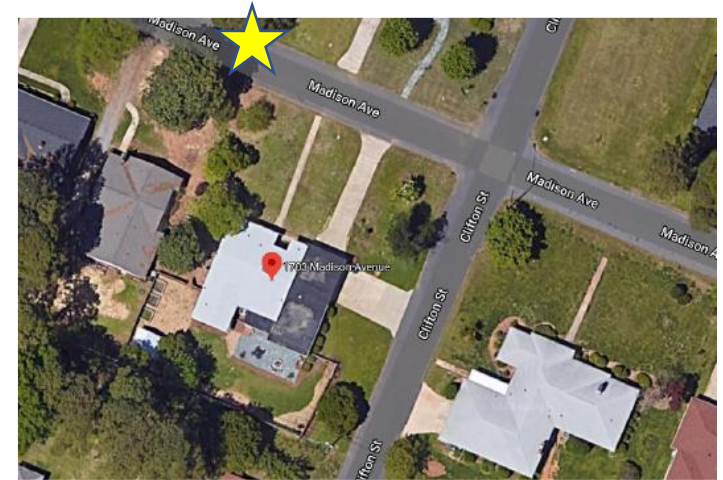
Vantage Point



Madison Ave: Street View 1 – Proposed Roof



Vantage Point



Madison Ave: Street View 2 – Existing Roof



Vantage Point



Madison Ave: Street View 2 – Proposed Roof



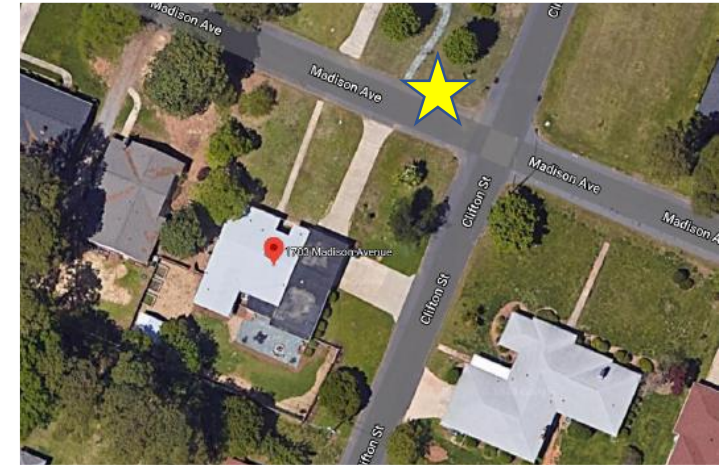
Vantage Point



Madison Ave: Street View 3 – Existing Roof



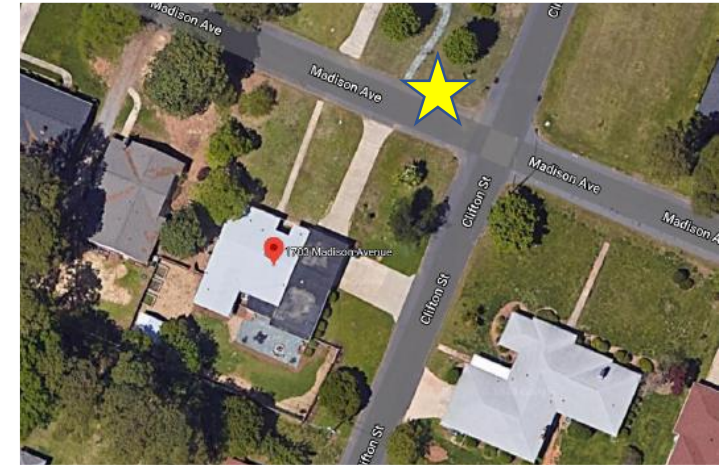
Vantage Point



Madison Ave: Street View 3 – Proposed Roof



Vantage Point



Clifton Street: Street View 4 – Roof Not Visible From Clifton Street



Vantage Point

