Wayne State University

Max Jacob House Gutters, Fascia and Soffit Repair 034-251588
451 Reuther Mall  Detroit, Michigan

INDEX

A.00

EAVE REPAIR PLAN

A.01

EAVE REPAIR SPECIFICATIONS

LOCATION

Wayne State University, Detroit, Michigan 48202
1. Inspect and test entire gutter system for water tight condition prior to installation of soffit boards. Notify owner of date and time of test.

**EXISTING CONDITIONS**

- Remove existing soffit board and soffit vent and inspect gable and gutter system for water damage.
- Provide new copper soffit board foot for replacement of damaged gable with matching profile. Provide new copper eave trim for replacement of matching profile. Delineate copper prior to installation.
- Provide new copper downslope flange and connect to copper gable top elbow at all downslope locations. Solder flange to existing gutter for water tight connection. Refer to unit price No. 1 regarding copper replacement.
- Clean and recoat all copper gutter but joints for water tight seam at all locations. Re-coat entire seam at all locations.
- Prep soffit and place entire soffit assembly, including existing fascia and trim, to match existing house.
- Provide dialectic union at juncture of aluminum and copper gutter systems using 5 foot copper alloy. Darken copper prior to connection. If necessary, connect to masonry wall and repair as needed.
- Provide new corduroy lock. Provide new copper downslope flange and top elbow at all locations. See general notes.
- Review condition of wood fascia and review with owner representative. Provide unit price per board foot for replacement of fascia with materials of matching profile or salvage box cut fascia trim for reinstallation, or replace with matching trim as needed.

**UNIT PRICE No. 1**

- Provide existing copper downslope flange and connect to copper gable top elbow at all downslope locations. Solder flange to existing gutter for water tight connection. Refer to unit price No. 1 regarding copper replacement.
- Provide new copper downslope flange and connect to copper gable top elbow at all downslope locations. Solder flange to existing gutter for water tight connection. Refer to unit price No. 1 regarding copper replacement.

**UNIT PRICE No. 2**

- Provide aluminum eave soffit board foot for replacement of damaged gable with matching profile. Provide new copper eave trim for replacement of matching profile. Delineate copper prior to installation.

**UNIT PRICE No. 3**

- Provide new plywood soffit board secured to masonry wall. Include existing fascia and trim to match existing house.
- Provide new plywood soffit board secured to masonry wall. Include existing fascia and trim to match existing house.
- Provide new 1 1/2" continuous aluminum soffit vent at location of removed vent.

**GENERAL NOTES**

1. Provide new copper downslope flange and connect to copper gable top elbow at all downslope locations. Solder flange to existing gutter for water tight connection. Refer to unit price No. 1 regarding copper replacement.
2. Clean and recoat all copper gutter but joints for water tight seam at all locations. Re-coat entire seam at all locations.
3. Prep soffit and place entire soffit assembly, including existing fascia and trim, to match existing house.
4. Provide dialectic union at juncture of aluminum and copper gutter systems using 5 foot copper alloy. Darken copper prior to connection. If necessary, connect to masonry wall and repair as needed.
5. Provide new copper downslope flange and connect to copper gable top elbow at all downslope locations. Solder flange to existing gutter for water tight connection. Refer to unit price No. 1 regarding copper replacement.
6. Provide new copper downslope flange and connect to copper gable top elbow at all downslope locations. Solder flange to existing gutter for water tight connection. Refer to unit price No. 1 regarding copper replacement.
EXTERIOR ARCHITECTURAL WOODWORK

SECTION REQUIREMENTS

MATERIALS
D. Fasteners for Exterior Woodwork:
   1. Nails: Hot-dip galvanized or stainless steel.
   2. Screws: Hot-dip galvanized or stainless steel.
D. Wood Moisture Content: 9 to 15 percent.
E. Replacement Trim: Premium grade, made from western red cedar.

INSTALLATION
F. Install woodwork true and straight with no distortions. Sides as required with concealed screws. Fasteners to be installed with a tolerance of 1/8 inch in 96 inches (3 mm in 2480 mm).
G. Scribe and cut woodwork to fit adjoining work, and refresh cut surfaces or repair damaged finish at cut.
H. Anchor woodwork to anchors or blocking built-in or directly attached to substrates. Fasten with counterbored concealed fasteners and blind driving. Use fine finishing nails for exposed raunder, counterbore and fill flush with woodwork.
I. Running Soffit Board: Install with minimum number of joints possible, using full-length pieces (minimum length of lumber available) to greatest extent possible. Do not use pieces less than 48 inches (1200 mm) long, except where shorter single-length pieces are necessary.

COPPER REPAIR

SECTION REQUIREMENTS
A. Comply with SMACNA’s “Architectural Sheet Metal Manual.” Conform to dimensions and profiles shown unless more stringent requirements are indicated.
B. Coordinate installation of sheet metal flashing and trim with intervening and adjoining construction to provide a leadproof, secure, and noncorrosive installation.

ACCESSORIES
C. Copper: ASTM B 370; Temper H04 or H05, cold rolled, not less than 30 oz./sq. ft.
D. Fasteners for Copper: Copper, hardware bronze, or brass 300 stainless steel.
E. Soldier for Copper: ASTM B 23, Grade S60.

REPAIR
A. Soldered joints: Clean surfaces to be soldered, removing oils and foreign matter. Prep edges of sheets to be soldered to a width of 1 1/2 inches (38 mm), except where prepared surface would show in finished finish. Do not use torches for soldering. Heat surfaces to receive solder and form solder joint prior. Fill parks completely. Completely remove flux and smother the exposed surface.
B. Separate discontinuities with a bituminous coating or polymer-modified, bituminous sheet underlayment.

EXTERIOR塀ANING

PAINT
Topcoats: Sherwin Williams SuperPaint.
Primer: Sherwin Williams Exterior Oil-Bound Wood Primer.

COAT Sherwin Williams premium grade exterior latex 25 year chalk.

COLORS
Match existing. Provide sample for Owner Representative approval prior to execution.

PREPARATION
A. Comply with recommendation in MPI’s “MPI Maintenance Repairing Manual” applicable to substrates indicated.
B. Remove hardware, lighting fixtures, and similar items that are not to be painted. Make items that cannot be removed. Reinstall items in each area after painting is complete.
C. Clean and prepare surfaces in an area before beginning painting in that area. Scrape and sold to remove peeling paint.

APPLICATION
D. Comply with recommendations in MPI’s “MPI Maintenance Repairing Manual” applicable to substrates indicated.
E. Apply paint in manufacturer’s written instructions.
F. Apply paint according to manufacturer’s written instructions.
G. Scribe areas for exterior painting.

REPAIR
A. Apply paints to produce surface films without voids, bubbles, pinholes, laps, double rivets, otherChanneling, runs, sags, or other surface imperfections. Cut in sharp lines and color lines. If undercoats or other candidates, draw on darker color to be applied beneath. Ensure that there is a uniform paint finish, color, and appearance.

EXTIOR PAINT APPLICATION SCHEDULE
Two coats over base primer. IMPACT & JA.

CLOSEOUT PROCEDURES
SUBSTANTIAL COMPLETION
1. Prepare a list of items to be completed and corrected (punch list).
2. Terminate and remove temporary facilities from Project site, along with construction waste, and similar items.
3. Complete final cleaning requirements.
4. Touch up and otherwise repair and notify the owner in writing to indicate work has been completed.

FINAL COMPLETION
A. Architect will prepare and issue a Final Certificate for Payment after inspection or will notify Contractor of construction that must be completed or corrected before certificate will be issued.

LIST OF INCOMPLETE ITEMS (PUNCH LIST)
A. Cleaning Agents: Use cleaning materials and agents recommended by manufacturer or manufacturer’s recommendations for clean-up procedures for specific items and items rendering commotion to structural finishes.

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REPAIR
A. Comply with recommendation in MPI’s “MPI Maintenance Repairing Manual” applicable to substrates indicated.
B. Use fine finishing nails for exposed raunder, counterbore and fill flush with woodwork.
C. Install nails or screws and fasten with hardware bronze, or harden 300 stainless steel.
D. Anchor woodwork to anchors or blocking built-in or directly attached to substrates. Fasten with counterbored concealed fasteners and blind driving. Use fine finishing nails for exposed raunder, counterbore and fill flush with woodwork.

FINAL CLOSING
A. Complete the following cleaning operations before requesting inspection for certification of Substantial Completion for entire Project or for a portion of the Project:
   a. Clean Project site, yard, and grounds, in areas disturbed by construction activities, including landscape development areas, of rubbish, waste materials, litter, and other foreign foreign material.
   b. Sweep paved areas basic clear. Remove any remaining spills, spits, and other foreign material.
   c. Remove oil or fuel that are not properly drained into a suitable, non-hazardous surface.
   d. Remove tools, construction equipment, materials, and waste material from Project site.
   e. Obtain Project site and ready for occupancy.
   f. Comply with safety standards for cleaning. Do not burn waste materials. Do not use debris or excessive materials in owner’s property. Do not discharge wastes, harmful, or dangerous, into bodies of water or other hazardous waste facilities from Project site and dispose of lawfully.

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