**Sweetest Heart of Mary Main Church Roof and Sheet Metal Replacement**

**January 3, 2024**

**Scope of Work:**

1.  Completely remove all existing slate roofing and related sheet metal down to the wood deck.

Any rotted decking to be replaced on a time and material basis only upon owner's inspection and approval.

Note:  Existing tongue and groove deck is tight and is of a good sound structure.

Any twisted or rotted boards shall be removed and replaced with new to provide a smooth deck surface to slate over.

All debris shall be placed into dumpsters at job site supplied by the contractor and shall be disposed of at a legal landfill facility.

2.  Install new Carlisle Whip Grip ice and water shield under all valley and eave edges extending up slope of roof approximately 3’.  Balance of decking to be covered using Carlisle Wip Grip premium self-adhering roof underlayment covering the entire wood deck area.

3.  Install new 16oz. (.0216 thickness) copper valleys at all valley areas.  Seal in flange with a 18” wide Carlisle Wip Grip ice and water shield.

4. Install new DaVinci Roofscapes 12” single width synthetic slate tiles, 8” exposure, 1/2” thickness, to match existing color of slate on steeples and secured using 1 ½” ring shank stainless steel nails. Install in strict accordance with manufacturer's specifications.

DaVinci tiles shall be installed in all areas where existing slate tiles are installed.

5.  At all wall areas, install a new 16oz. copper step flashings pre-formed at a 90 degree angle

     to fit tight against the wall.

6.  Fabricate and install new 16oz. copper hip at all hip areas (approximately 410 lineal feet).

7.  Fabricate and install new copper ridge at all ridge

     areas (approximately 650 lineal feet). Ridge to match existing profile.

8.  Install new copper counter flashing at all wall areas and secure using lead rope and seal

  with Dymonic FC sealant to create a water tight condition.

9.  Remove existing roof hatches (18) and install new Bilco roof hatches 36” x 30” Type S-20 with locking hatch and hydraulic assist arm to help hold open when in use.

10.  Completely remove all existing coping (approximately 700 lineal feet).  All old copper to be taken back to a legal recycle facility.  Scrap value to be split 50/50 between church and contractor.

11.  Fabricate and install new 16 oz. copper hidden clip at all coping areas and secure using 3/16" diameter lead anchors.

12.  Fabricate and install new 16oz. copper coping to make a watertight condition. Profile to match existing coping.

13.  On fabricated ornamental copper designs, paint one coat of primer suitable for copper adhesion and two coats of exterior grade paint on any copper owner desires to be painted. Color to be decided by the owner.

14.  Remove all existing flat roofing down to the wood deck. Any rotted decking to be replaced on a time and material basis and only upon owner's inspection and approval.

15.  Install one layer of 1” ISO roof insulation (R Value 5.7) secured using coated screws and galvanized plating.

16.  Install new Carlisle / RPI 60 mil fully adhered EPDM roof system in strict accordance with

       manufacturer's details and specifications.

17.  New EPDM roofing to extend up steep slope of slate roof approximately 4’ to ensure

       protection against heavy snow loads in these areas.

18.  At all wall areas, install new aluminum termination bar secured using lead anchors

       every 6” on center and seal with Dymonic FC sealant to make watertight

       condition.

19.  At the base of the slate roof, fabricate new 2 piece counter flashing utilizing 16 oz. copper.

       Flashing shall separate the slate roof from the EPDM roofs.

20.  Completely remove all existing copper flat lock and inboard gutter areas and install

    new Carlisle high temperature ice and water shield.

21.  Install new copper flat lock and inboard gutter system using red rosin as a slip sheet.

22.  All joints to be completely soldered all along all seams to create a watertight condition.

23.  At all drain areas, install new copper screen to avoid clogging at drain areas.

24.  Completely remove all existing facia metal and dispose of in dumpster supplied by contractor.

25.  Fabricate and install new ornamental facia utilizing 16 oz. copper to match existing facia profile as closely as possible. Secure using lead anchors and seal with Dymonic FC sealant to create a water tight condition.  Install one coat of primer suitable for adhesion to copper and two coats of exterior paint color on any copper owner desires to be painted. Color to be decided by the owner.

26.  Completely remove all existing downspouts and all hardware (approximately 30 locations and approximately 50’ long each). Salvage value to be split 50/50 between church and contractor.

27.  Install new copper downspouts complete with all necessary copper strapping, elbows and anchors. Size of downspouts to match existing.

28. Remove all existing ornamental copper spires, crosses, copings, ridge, step flashing and counter flashings. Fabricate and install all new ornamental items listed above as well as step flashing and counter flashing utilizing 16 oz. copper. All fabricated pieces to match profiles of existing pieces.

29. All work areas are to be kept clean on a daily basis so as not to disrupt or interfere with church activities or the daily business of the parish.