

The following contract is in regards to the property at: 3320 N Lake Dr Milwaukee, WI 53211 House Roof Estimate: We will get the needed permits for the removal and disposal of the asbestos tile roof sections on the house. Certified Environmental is a company that we have worked with for almost 20yrs around asbestos projects. They would start the project on the two larger roof facets that currently have the asbestos tiles on them. All workers will be in full body protection with masks while the project is being done. All tiles will be taken off piece by piece and put into bins or bags and lowered to the ground. A special lined dumpster will be on site for the debris and will be hauled away as soon as the asbestos removal has been completed. CRR will be on site after each day to make sure the roof is kept water tight through the process. \$65hr plus materials for any wood repairs that may be needed after the tear-off has been completed. The single layer of asphalt roofing will be removed over the East section of the house. The bottom six inches will then need to be removed along all of the roof wall intersections so that the proper flashing work can be completed. Ice and water shield will then be applied along all of the eaves, chimney, valleys, skylights, and roof wall intersections. #30 felt paper will then be used to cover the remaining exposed deck boards. 16oz copper will then be used to custom make and install new copper d-edge and copper valleys on the house. Certainteed Landmark Pro in "Moire Black" will then be installed over the entire roof surface of the house. The shingles will be secured down using 1 1/2 roofing nails. As the shingles are being installed there will be new copper step flashing installed along all of the roof wall intersections on the dormers, walls, and chimney. We will then custom make and install a new front and rear copper flashing plate on the chimney. At this time we will grind into the chimney and anchor a new historic step copper counter flashing around the entire chimney. The proper sealant will then be used to seal the intersection of the brick with the new flashing. New copper historic step counter flashing systems will again be made and installed along the wall intersections and dormers to duplicate the original flashings on the house. 16oz copper will again be used to make and install new front flashing plates along all of the horizontal roof wall intersections. Any stack that extends out of the roof will have a new lead boot installed over it. We will then make sure to connect to any existing bathroom fan if we have access to them and vent them out of the roof so that moisture is not being put back into the house. A new copper cap will then be made and installed along the entire peak of the house and dormers to match the original one on the home currently. Stucco: After the new roof system has been installed we will apply the proper insulation board along the bottom roof wall intersections to match up to the current board. A finish coat of stucco will then be applied to match up to the existing pattern on the house as best as possible. Venting: After we open up all of the roof sections we will have a better idea of how the house is currently insulated and venting. At this time we can come up with the best approach on how to potentially blow in some needed insulation and create the intake, air flow, and exhaust system that the house needs. Skylights: As the tear-off is being done we will remove the step flashing and flashing plates on each skylight. Ice and water shield will then be applied around the entire skylight. As the new roofing system is being applied we will install new step flashing along the sides of each of the skylights. At this time we would install the top and bottom flashing plates to finish off the skylights. If we needed to replace any of the skylights the Velux 2x4 rough size units cost \$925.00 each and the 4x4 Velux would cost \$1,525.00.

The gutters on this house really have to be made in copper to match what was on the house originally. A gutter system that sits on a wall can not be made of aluminum and have any confidence that the caulk will not fail and keep the moisture from going through the walls. We would custom make and install a new six inch high-back copper gutter system around the entire house. All seams, miters, end caps, and outlets will be soldered at this time. The proper straps will be installed every 18"-24" to make sure the new copper gutter system is installed correctly. Four inch copper downspouts will then be installed around the house. All connection points and the rear seam will be soldered at this time. I would be happy to drop off some samples for you to look at. We can also make any style that you see around the east side that you like.