



August 21, 2017

C-12256

Mr. Mike Duggan
Facilities Director
Community Consolidated School District 181
115 West 55th Street
Clarendon Hills, Illinois 60514

Dear Mike:

Roofing Repair Inspection and Observation Summary
Roof Repair
Elm Elementary School
15 West 60th Street
Burr Ridge, Illinois
IES No. 915-26

Between August 14 and 21, 2017, a representative of Integrity Environmental Services, Inc. (IES) performed periodic inspections of the roof repair work at the above referenced Community Consolidated School District 181 school building. The project involved the complete tear-off of roofing materials to the existing roof deck. The project also included the subsequent replacement of new roofing materials over a significant portion of the building.

National Roofing was retained by the School District to perform the following roofing replacement work (information obtained from the District's Architect):

High Gym Roof Area-

Approximately 3.5" of perlite roof insulation for an R-value of 9.5. The new roof has 5" of polyisocyanurate roof insulation and a ½" protection board for an R-value of 31.3 meeting the 2015 Energy Code requirements (80 mil TPO roof membrane on, ½" polyiso protection board on, 2.5" polyiso roof insulation on, 2.5" polyiso roof insulation on, vapor barrier on, the existing roof deck).

Low Roof Areas-

Varying thicknesses of perlite roof insulation ranging from 1" thick (R-value of 2.7) to 6.5" thick (R-value of 17.5). Once again, the new roof is 5" of polyisocyanurate roof insulation and a ½" protection board for an R-value of 31.3 meeting the 2015 Energy Code requirements (80 mil TPO roof membrane on, ½" polyiso protection board on, 2.5" polyiso roof insulation on, 2.5" polyiso roof insulation on, vapor barrier on, the existing roof deck).

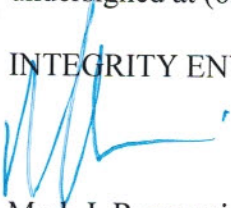
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The removal work included cutting and removing layers of the roofing insulation and materials to the existing roof deck. Cleaning and disposing of all debris from roof surfaces was also performed prior to the installation of new roofing materials. at no time did the IES representative observe moisture or areas exhibiting mold or mold growth.

Attached are a series of project photographs illustrating the work performed.

As always, if there are any questions or comments, please feel free to contact the undersigned at (630) 718-9133.

INTEGRITY ENVIRONMENTAL SERVICES, INC.



Mark J. Ravanese
President

Attachments

cc: Ms. Debbie Prasch (electronic version only)
Mr. Dave Patton (electronic version only)