

PERMANENT BUILDING COMMITTEE
Minutes - March 25, 2006

Present: Co-Chairs Bruce Ey and Elaine Jones, Craig Blake, Michael Melnick and Frank Schimmoller. Also present: DPW Architect Maury Wolfe and Engineering Consultant Bruce MacRitchie.

The meeting was called to order at the Flynn Building at 9:30 a.m.

Minutes The minutes of the November 28 and December 7, 2005 and the minutes of January 14, February 9 and February 15, 2006 were tabled.

DPW Project Bruce Ey briefly reported on the status of the DPW garage work which is being performed by Alpha Mechanical. Basically, it had been determined that the Reznor units were taking in too much outside air although the design allowed for a lower percentage. The manufacturer, Reznor, informed Alpha that it can go to 25% with the right sheaves. One unit is reported to have been adjusted to 2,600 cfm; however, the flame going out requires a field designed baffle to reduce outside air coming in. The plates will also require changing.

Mr. MacRitchie summarized the goals set in early February: 1) corrective work for fans (in-line booster) in office section; 1) negatively pressurize the garage; and 3) install VFDs on the garage clerestory fans.

In regard to the corrective work on the in-line fans, upon investigation by the vendor, it was found that the controls were burned out when installed. They have since been replaced. Presently, one fan is "hunting" and needs a minor adjustment to correct as it is going past the set point. It was agreed that Alpha will repair.

In regard to negatively pressurizing the garage, Alpha was to resheve the units to slow them down and install dampers. At the present time, Alpha has resheved one unit only. Reznor has confirmed that 25% outside air is the minimum for which it was designed. The baffle plates set the minimum outside air and Reznor has expressed its preference to adjust the units at the factory and not in the field. However, as Paul Bewersdorf says Alpha is authorized by Reznor as their representative, Alpha would just need to set the points. Reznor has agreed to send the set points to Reznor.

The work remaining involves Reznor sending the set points to Alpha, Alpha ordering the belts and sheaves and installing them in the second unit, Alpha setting the plates, and the electrician interlocking one of the two units with the exhaust fan to create the negative pressure.

Bruce MacRitchie will get Alpha's schedule and alert Coffey regarding the balancing. He expects Alpha to be finished by next Friday. Mr. MacRitchie intends to be on site while Alpha is working.

In regard to the VFDs for the clerestory fans which will work in concert with two NO₂ and two smoke detectors, Mr. MacRitchie will request a proposal from Alpha for this work if we desire to go ahead with it once the cost is known.

Mr. MacRitchie opined that the concept of the equipment is to pressure for exfiltration. It was recognized that the general construction did not result in a "tight" building, and that there was also a commissioning problem. The control of the ratio of minimum outside air should have been set to 25% by Reznor, but they did not set up the plates correctly at the factory. We now need to go from 2,600 cfm to 2,000 cfm.

The possibility of using activated charcoal filters to control diesel fumes from entering through the front louvers was discussed. It was noted that these are expensive to maintain and must be

recharged at the factory. There is also a pressure drop associated with the use. If it was determined to be necessary at the front louvers, the cost would be approximately \$3-4,000 per unit plus installation. Maintenance costs are unknown.

Mr. MacRitchie will make changes to the sequencing of operations documents to reflect the equipment changes. He agreed that a test of the entire system with him present should be performed after Alpha and Coffey have completed their work and when there is optimal weather for such a test.

With regard to the difficulties with Unit 6 in the office section, Mr. MacRitchie will review the charges in connection with the constant repair and present Reznor with his findings.

Meeting Schedule The next meeting will be called by the Chairmen as necessary.

There being no further business, the meeting was adjourned at 12 Noon.

Respectfully submitted,

Elaine L. Jones