



Geo-Energie inc.

GEO-THERMIA

Title and project location: SCHLUTER BUILDING, Plattsburgh, NY
Implementation period (month, year) : From May 2002 to December 2002
Client name: SCHLUTER SYSTEMS L.P.
Construction or work costs
- Total : N/A
- Professional's specialty related portion : 240 000.00 USD\$

SUMMARIZE THE NATURE OF PARTICIPATION OF THIS PERSON TO THIS PROJECT

A) Project description

Construction of the new Northern American head office of the Germain company; Schluter Systems L.P.

B) Scope of work

A new 15 000 ft², 3 storey building, entirely radiant floor heated, 100% geothermic capacity (no back-up), geothermic snow melt sidewalk (1200 ft²) , 32 closed loop wells of 250 feet each. Multi-stage system (8 heat pumps of 5 tons each = 40 tons total) which can heat and air-condition simultaneously, all year. 14 network distributed ventilo-convectors for office heating/air-conditioning.

C) Main challenges for project realisation

Projet dans un autre pays, coordination des travaux avec la main d'œuvre locale. Le pré-assemblage du système en usine, avant livraison aux USA. La maximisation de la performance énergétique, particulièrement au niveau du pompage, tout en maintenant une convivialité d'utilisation. La programmation et l'ajustement de la séquence de contrôle à distance, la formation du personnel d'entretien

D) Complexity and scale of the project (tender cost and actual cost)

It was one of the very first commercial projects to use direct geothermic expansion (fresh air use only). The absence of auxiliary heating did not leave any margin of error for the design and the reliability of the installation. It was the first project of its kind in that area of the state of New York, using geothermic expansion tanks and heat pumps which are not directly connected to the ground (like in project 'A', Mount-Laurier)

E) Contribution of this person in each stage of the project (nature of tasks and challenges)

Participation in planning meetings ; research of budgetary estimates for anticipated costs; design adjustment according to customer's budgetary availabilities, survey execution, blueprints and specs; on site meeting participation, assembly supervision, commissioning supervision, validation of the final control sequencing, after sales service.

F) Method for respecting established timetable, blueprints and construction specifications

Constant remote and on site technical support during crucial start-up and installation stages. Close cooperation with the client, his local architect and professionals.

G) How this person distinguishes himself

A thorough understanding of the original geothermic design and an on the site availability, combined with a comprehension of American working methods, allowed for quick advancement of the project.

SCHLUTER BUILDING, NY

