



ARCHITECTS ENGINEERS PLANNERS/P.O. BOX 1123/SIOUX FALLS, SOUTH DAKOTA 57101

October 18, 1971/Re: EROS Data Center
Sioux Falls, South Dakota

Mr. Glenn Landis
EROS Data Center
10th Street and Dakota Avenue
Sioux Falls, South Dakota - 57102

Dear Glenn,

Enclosed is a copy of Minutes of Meetings held October 12 and 13, relative to the computer area primarily. Let us know if there are corrections.

Sincerely,

A handwritten signature in blue ink that reads 'Duane P. Paulson'.

Duane P. Paulson
Project Manager

DPP*pmg

cc: William Schmidt
Jean Kroeger



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MINUTES OF MEETING

Office of The Spitznagel Partners, Inc.
October 12, 1971

Re: EROS Data Center
Sioux Falls, South Dakota

Present:	Carol Hedlund	International Business Machines
	Pat Galager	International Business Machines
	Earl Angle	Fritzel, Kroeger, Griffin and Berg
	Dan Woldt	Fritzel, Kroeger, Griffin and Berg
	John Loveland	The Spitznagel Partners, Inc.
	Ronald Mielke	The Spitznagel Partners, Inc.
	Duane Paulson	The Spitznagel Partners, Inc.

The computer room equipment as tentatively shown in the Aerospace final report was discussed for verifying possibly electrical loads and cooling loads. Mr. Galager offered the following:

1. In addition to 66KVA, 120/208 volt power requirements to computer room, possible installation to an IBM 370/165 will require an additional 125 KVA 460 volt, three phase supply to feed an MG set to provide 400 HZ for the computer main frame. MG set will generate 60,000 BTU/Hr. heat.

2. Same computer will require a water chiller over and above basic units in capacity of 15 to 25 HP power requirements, to feed computer heat exchanger.

3. Recommendation is for 2-200 ampere, 42 circuit 120/208V-3 phase, 4 wire panels in room with gutter extension into floor space to provide feeds for computer equipment. Provide no circuit breakers in panels initially because number, sizes, and capacities will not be known until unit is ordered.

4. Provide emergency lighting in computer room but no provisions for uninterrupted power supply.

5. Oversize A. C. unites by 20% for contemplated initial equipment.

IBM further recommended that:

6. Underfloor area for computer room be sealed off from remaining underfloor area.

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7. Ground the metal floor system.

8. Provide an extra supply of perforated floor panels (say 30) for location below actual computer equipment. Provide about 20 extra pedestals necessary due to non-modular cut-outs in floor at certain equipment.

9. If a MG unit is to be installed, it should be housed in a 14' x 16' separate room of CMU partitions (80 db) extending down to the lower concrete floor. The MG unit should be placed on an isolated base.

Respectfully submitted,



Duane P. Paulson
Project Manager

DPP*pmg