

GRAPH/NET Computer Integrated Design System

DATA/NET Project Reporting

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## DATA/NET Project Reporting

### Introduction

The DATA/NET databases and report programs provide the alphanumeric complement to the graphic programs in the GRAPH/NET Computer Integrated Design System. The user who is so inclined may utilize the database system to the fullest extent, to develop a complex database system tailored to his own practice. Others may choose to use only a small sub-set of the available options, tailored to their specific needs and clientele, while still retaining a valid and useful database system.

The DATA/NET system is structured around three library databases, from which project-specific databases are developed. The first of these is the Space Descriptions Library, or SDL, which contains an extensive description of each space, its length, width, ceiling height, typical number and type of doors, typical wall, ceiling and floor finishes, electrical, plumbing and HVAC requirements, and cost per square foot. The outfitting equivalent of the SDL is the Outfitting Library, or OFL, which contains the description of each item of equipment that the user wishes to maintain, including its length, width, height, mounting height, group, electrical, plumbing and HVAC connections required, and approximate cost. The link between these two databases is the Outfitting Locator File, or OLF, which identifies the equipment items in the Outfitting Library (OFL) that belong in each room of the Space Descriptions Library (SDL).

From these libraries the user may create a Project Description File (PDF) and a Project Locator File (PLF). These hierarchical databases contain the list of all of the spaces in the project, gathered into logical groups and departments, and the list of all of the equipment items in each of the spaces in the project. While initially the descriptive information in the project-specific files would be identical to that of the libraries, as the project progresses, edits can be made to the project-specific files, tailoring them to meet the needs of the specific client. This project-specific information is accessed in turn by the OPTI/NET layout optimization program when the user is ready to proceed to schematic design.

## DATA/NET Project Reporting

### Report Formats

A wide variety of report formats have already been developed, and others are under development. These report formats include:

a Space and Cost Report, which lists all of the spaces in each group and department of the project, their square footage and cost, and the net, circulation and gross areas and costs.

a Finish Schedule Report, which displays the wall, floor and ceiling finishes of each room in a project, as well as the approximate area of each, or summarizes them department by department or over the entire project.

a Door Schedule Report, which prints out the number and type of doors in each room in the project, and sums up the number of each type of door group by group, and over the total project.

an Outfitting Cost Report, which lists all of the equipment items in each room, their quantity and cost, and sums the equipment cost by room, group, department and total project.

an Outfitting Sort Report, which summarizes the equipment department by department.

an Engineering Outfitting Report, which displays the electrical, sanitary and HVAC requirements of the equipment in each room of the project.

The following chapters describe in detail the formats of the library and project files, and how to run the report program. The use of the GRAPH/NET Text Editor is presumed, so you may wish to review the User's Guide to the Text Editor prior to actually working on a database.

Certain conventions have been followed in describing the various databases. A blank space that must occur in a line will be indicated by a "\_" underline symbol. No line will be longer than 80 characters. Remember that zeros and the letter "O" are NOT interchangeable. The same applies to the number one and the letter "I". If you put a letter into a field that calls for a number, the programs will not work properly.

## DATA/NET Project Reporting

### Space Descriptions Library (SDL)

The fields within each line of the SDL may contain letters or numbers, but NO OTHER CHARACTERS. Some letters must be capitalized. This table outlines the SDL fields, the columns in which they are found, and the type of character each may contain. Fields marked with an "\*" contain codes which reference a user-defined table, discussed later in this Manual.

Columns	Field Name	Acceptable Values
1	Line Type	F,D,G,R,C or 9 only
2-3	Iteration	Number, must be 2 digit
4	blank	
5-12	Short Name	Letters or Numbers
13-33	Full Name	Letters or Numbers
34	blank	
35-37	Capacity	Letters or Numbers
38	blank	-
39-43	Room Code	Letters or Numbers
44	blank	-
45-47	Quantity or Circulation %	Number (Right Justified)
48		-
49-51	Length	Number (Right Justified)
52	blank	-
53-55	Width	Number (Right Justified)
56	blank	-
57-58	Ceiling Height	Number (Right Justified)
59	blank	-
60	Sort Code	1,2 or 3 only
61	blank	-
62	Number of Doors	Number 1-9
63	*Type of Door	Capital Letter or Number
64	blank	-
65	*Wall Finish	Capital Letter or Number
66	*Floor Finish	Capital Letter or Number
67	*Ceiling Finish	Capital Letter or Number
68	blank	-
69	*HVAC Requirements	Capital Letter or Number
70	*Sanitary Req'ts	Capital Letter or Number
71	*Electrical Req'ts	Capital Letter or Number
72	blank	-
73-75	Room Number	Letters or Numbers
76	blank	-
77-79	Cost/Square Foot	Numbers (Right Justified)

## DATA/NET Project Reporting

### SDL Line Types

1. The first line type in the SDL is the Title Line, or project identifier. This line type occurs only once, at the top of the file. It has the following format:

```
P01_SDL      Space Descriptions Library
```

When this line occurs in a specific projects space program, it has the following format:

```
P16_PROJ14  Name of Project
```

None of the other fields occur in this line.

2. The second type of line in the SDL is the Department Line, which indicates the second level of hierarchy within the file. This line may occur up to 99 times. It has the following format:

```
DXX_SHORT   Department Name
```

```
D06 Offices Office Spaces
```

3. The third type of line in the SDL is a Group Line, indicating the third level of hierarchy within the file. There may be up to 99 groups within each department. The Group Line has the following format:

```
GXX_SHORT   Group Name
```

```
G01 Secr'I  Secretarial Spaces
```

4. The fourth type of line in the SDL is a Room Line, which is the fourth level within the hierarchy of the file. There may be up to 99 rooms within each group in the Library file, although there may be only 18 rooms within each group in a Project Descriptions File.

The Room Line contains all of the fields described in the SDL Table above. It always begins with the letter 'R'.

## DATA/NET Project Reporting

### SDL Line Types

5. The Circulation Line is the fifth line type. This line gives the percentage of the net area of the group which must be added to allow for corridors and other circulation areas. For instance, if the circulation factor is 50%, then the Gross Area will be 150% of the Net Area of the group. The Circulation Line also indicates the end of a Group, so each Group must have a circulation factor. The Circulation Line has the following format:

CXX_	Circulation Factor	XX
C01_	Circulation Factor	50

6. The sixth and final type of line in the SDL is the Closing Line. This line occurs only at the end of the file, and has the following format:

## DATA/NET Project Reporting

### Outfitting Library (OFL)

The OFL is also comprised of 6 different line types. The fields within each line type may contain letters or numbers, but NO OTHER CHARACTERS. Certain letters must be capitalized. The following table outlines the OFL fields, the columns in which they are found, and the type of character each may contain.

The fields marked with an \* contain codes which reference a user-defined table. The tables and their use and modification will be discussed further later in this Manual.

Columns	Field Name	Acceptable Values
1	Line Type	P,D,G,E,C or 9 only
2-3	Iteration	Number, must be 2 digit
4	blank	-
5-33	Name	Letters or Numbers
34	blank	-
35-39	Equipment Code	Letters or Numbers
40	blank	-
41-43	Length	Numbers (Right Justified)
44	blank	-
45-47	Width	Numbers (Right Justified)
48	blank	-
49-51	Height	Numbers (Right Justified)
52	blank	-
53-55	Mounting Height	Numbers (Right Justified)
56	blank	-
57	Group	Number (Right Justified)
58	blank	-
59	*HVAC Req'ts	Capital Letter or Number
60	*Plumbing Req'ts	Capital Letter or Number
61	*Electrical Req'ts	Capital Letter or Number
62	blank	-
63-68	Cost of Item	Numbers (Right Justified)

## DATA/NET Project Reporting

### OFL Line Types

1. The first type of line in the OFL is the title line, or the project identifier. This line type occurs only once, at the top of the file. It has the following format:

P01\_ Outfitting Library

When it occurs at the top of a project file, it has the following format:

P01\_ Project Name

2. The second type of line in the OFL is a 'department line', indicating the second level of hierarchy within the file. This line may occur up to 99 times. It has the following format:

Dxx\_ Department Name

For example, D01\_ Office Furniture

3. The third type of line in the OFL is 'group line', indicating the third level of hierarchy within the file. There may be up to 99 groups within a department. The 'group' line has the following format

G01\_ Group Name

For example, G01\_ Office Desks

4. The 'equipment item' line is the fourth type of line in the OFL. There may be up to 99 items of equipment in a group. The equipment item line contains all of the fields described in the OFL table. This line always begins with the letter 'E'.

DATA/NET Project Reporting

OFL Line Types, Continued

5. The fifth type of line is the 'close of group' line. This line occurs after the last item of equipment belonging to a particular group, and has the following format

Cxx

Each group of equipment items MUST end with a close of group line.

6. The last type of line possible in the OFL is the closing line. This line is the last line of the file, and has the following format.

9

## DATA/NET Project Reporting

### Outfitting Locator File (OLF)

The Outfitting Locator File provides the link between the Space Descriptions File or the Project Description File, and the Outfitting Library. It contains the list of all equipment and furnishings that are to be found in each room of the Space Descriptions File or the Project Description File. Therefore, it will always match the SDF or PDF in organization.

The OLF is comprised of 6 different line types. This file MUST have a line to match each line in the Project Description File, and they MUST be in exactly the same order as the PDF.

The fields within each line type may contain letters or numbers, but NO OTHER CHARACTERS. Certain letters must be capitalized. The following table outlines the OLF fields, the columns in which they are found, and the type of character each may contain.

Columns	Field Name	Acceptable Values
1	Line Type	P,D,G,R,C or 9 only
2-3	Iteration	Number, must be 2 digit
4	blank	-
5-12	Short Room Name	Letters or Numbers
13	blank	-
14-18	Room Code	Letters or Numbers
19	blank	-
20-22	Quantity	Numbers, must be 3 digit
23	blank	-
24-28	Equipment Item Code	Letters or Numbers
29	blank	-
30-32	Quantity	Numbers, must be 3 digit
33	blank	-
34-38	Equipment Item Code	Letters or Numbers
39	blank	-
40-42	Quantity	Numbers, must be 3 digit
43	blank	-
44-48	Equipment Item Code	Letters or Numbers
49	blank	-
50-52	Quantity	Numbers, must be 3 digit
53	blank	-
54-58	Equipment Item Code	Letters or Numbers
59	blank	-
60-62	Quantity	Numbers, must be 3 digit
63	blank	-
64-68	Equipment Item Code	Letters or Numbers

## DATA/NET Project Reporting

### OLF Line Types

The OLF has six line types, similar to those of the SDF. In fact, the first three are identical to those of the SDF or PDF which the OLF is equipping. These are the title line, department line, and group line. For information on the correct format for these, please see the description under SDF Line Types above.

The fourth line type is the Room Line. This line contains all of the fields described in the list above. The first 19 characters of the line tie it to the corresponding line in the SDF or PDF, including the same iteration number, room name and room code. The rest of the characters list the equipment to be found in that room, giving first the quantity of each equipment item, and then the item code.

Up to five items of equipment may be listed on any one line of the OLF, and additional items of equipment may be listed on successive lines. There may be any number of additional lines for one room.

The last two line types of the OLF are again identical to those of the SDF or PDF, namely the close of group line, and the end of file line. For additional information on these, please see the description under SDF Line Types above.

## DATA/NET Project Reporting

### SDF Tables

Several of the columns of the SDF or PDF refer to Tables which contain more extensive information about a given characteristic of a space than is possible in the SDF itself. These tables may be modified by the user, to keep track of information in as detailed a way as he wishes.

There are four tables currently in use. These are the Door Table, the Floor Finish Table, the Wall Finish Table, and the Ceiling Finish Table. These are stored on disk, and accessed by the DATA program when you run various reports. You may modify them, changing the values of any code, or adding additional values. However, you may not exceed the length of the field currently shown in the table. (Various tables have different field lengths.

Many of the current programs have 'hooks' in them to future tables, or to expanded use of the current tables. These will be described more fully in future versions of this User's Guide.

### Project Files: PDF and PLF

The Project Description File and Project Locator File are created from the Space Description File and the Outfitting Locator File.

The PDF contains the list of all of the spaces in the project, the equivalent of the Space Program. It is organized by department, with various groups of spaces within each department. The PLF contains the list of all of the equipment found in the project, room by room. It has exactly the same organization as the PDF, with the same order of departments, groups and rooms.

Most of the time, you will be running the Reporting Program on the Project Files, rather than the Master Files.

## DATA/NET Project Reporting

### DATA Report Program

To run a report on either the Master Files or on a set of Project files, you must run the DATA program. This program will allow you to select from a variety of currently available report formats, or to run several reports, and print them out on the Prism printer.

Before running this program, be sure that you are working in the DATANET area of the disk. If you are not, the program may have difficulty finding your files, and it may inadvertently store your reports in a different area of the disk, where you may have trouble finding them to print out. To be sure that you are in the DATANET area, type the following command after the black triangle:

```
PATH :DATANET
```

and then hit the RETURN key. You will see a message appear on the screen telling you that a new path has been set to the DATANET area, and this will ensure that the program finds the correct files.

To start the DATA program running, just type the following command after the black triangle:

```
DATA
```

and then hit the RETURN key. The screen will go blank, and then you will see the following message appear on it.

```
DATA Version 2.b
```

```
DATA/NET Project Reporting Program
```

```
Which report would you like to produce?
```

- 1 - Space & Cost Report
- 2 - Door Schedule Report
- 3 - Finish Report

The version number is important to note whenever reporting problems with the program, or when requesting modifications. This allows us to ensure that we are all working from the same base of information. Please note it in any correspondence relating to the DATA program. The version number will change with each new release of the DATA program that you receive.

## DATA/NET Project Reporting

### DATA Space & Cost Report

To run the Space & Cost Report, simply type the number 1, and hit the RETURN key. Remember that the number 1 and the letter l are NOT interchangeable on a computer!

The screen will go blank, and you will see the following appear on it:

Space & Cost Report

What is the name of the Project Description File?

Type in the name of your PDF, or of the Master File, if you want to run a Master Report. You only need to enter the first part of the name, you do not need to type the .PDF.

The DATA program then checks to be sure that it can find a file by that name. If it cannot find your file, you will see the following message appear on the screen:

name.pdf does not exist.  
Please check your spelling and try again.

Enter the name again, making sure to spell it correctly. You must spell it exactly as you did when you stored the file on disk! If the DATA program still cannot find your file, make sure that you are working in the DATANET area of the disk, as outlined above, and make sure that your file is stored there too. If it is not, find the file, and transfer it to the DATANET area.

When the DATA program has found your file, you will see the following message appear on the screen:

Would you like to print just the total of all sorts?  
Yes or No

If you have used the Sort Code to separate your spaces into various types, such as New Construction and Renovation, you may wish the DATA program to total these separately. In this case, you would respond No to this question. If you have not used the Sort Code in this way, or do not wish to see the separate totals, you should respond Yes to this question. In this case, you will just see the totals of all spaces in each group.

## DATA/NET Project Reporting

### DATA Space & Cost Report, Continued

Then the following message will appear on the screen:

What would you like to call the output file?

Enter the name that you want your report to be called. This can be the same as the name of the PDF, if you wish, since the extension code of the two names will be different. However, if you are planning to run several reports on a given project, it would be wiser not to give just the project name, but some indication of what type of report the file contains. You do not need to type the extension code for the output file name, since that will be automatically supplied by the DATA program.

After you enter the output file name, the DATA program checks the directory of the disk, to see if a file of that name already exists. If it finds one, you will see the following message on the screen:

name.lis already exists.  
Do you want to overwrite it?  
Yes or No

If you wish to replace the existing file with the report you are currently running, you should respond Yes. If you did not realize that that filename was already in use, however, or you do not want to overwrite that file, you should respond No. Then the DATA program will ask you once again what you want to call the output file. Enter another filename.

When you have entered a filename not currently on disk, or when you have responded Yes, to overwrite an existing file, the DATA program runs the Space & Cost Report. There will be a short pause, varying in length with the length of the PDF. When the report is complete, you will see the following message on the screen:

Space & Cost Report complete. Output stored as name.lis

Your report is now finished, and stored on disk ready to be printed. You will once again see the black triangle at the left border of the screen. To print out the report, make sure that the Prism printer is turned on, and switched to On Line, ready to receive the file. Then, type the following command:

Print name.lis

DATA/NET Project Reporting

DATA Space & Cost Report, Continued

After a short pause, you will hear the printer start, and a small cursor shaped like a hand will appear at the right margin of the screen. The hand will move down the screen, indicating how much of the file has been sent to the printer. When the hand reaches the bottom of the screen, it will disappear. This means that the entire file has now been sent to the printer. The black triangle will reappear on the screen, and you can now proceed to run another report in the DATA program, or go on to another task.

## DATA/NET Project Reporting

### DATA Door Schedule Report

To run the Door Schedule Report, simply type the number 2, and hit the RETURN key. The screen will go blank, and you will see the following message appear on it:

#### Door Schedule Report

What is the name of the Project Description File?

Type in the name of your PDF, or of the Master File, if you want to run a Master Report. You only need to enter the first part of the name, you do not need to type the .PDF.

The DATA program then checks to be sure that it can find a file by that name. If it cannot find your file, you will see the following message appear on the screen:

name.pdf does not exist.  
Please check your spelling and try again.

Enter the name again, making sure to spell it correctly. You must spell it exactly as you did when you stored the file on disk! If the DATA program still cannot find your file, make sure that you are working in the DATANET area of the disk, as outlined above, and make sure that your file is stored there too. If it is not, find the file, and transfer it to the DATANET area.

When the DATA program has found your file, you will see the following message appear on the screen:

Which report format would you like?

- 1 - Room by Room
- 2 - Group by Group
- 3 - Project Totals

You can get the report listing the number and type of doors in the project automatically sorted for you, in one of three ways. If you want to see the list of all of the doors in each room, room by room, type the number 1, and then hit the RETURN key. Remember that the number 1 and the letter l are NOT interchangeable on the computer!

## DATA/NET Project Reporting

### Door Schedule Report, Continued

If you want to see the doors found in each group of each department in the project, but not room by room, type the number 2 and hit the RETURN key. If you want to see the total number of each type of door found in the entire project, type the number 3 and hit the RETURN key.

When you have entered a 1, a 2 or a 3, the following message will appear on the screen:

What would you like to call the output file?

Enter the name that you want your report to be called. This can be the same as the name of the PDF, if you wish, since the extension code of the two names will be different. However, if you are planning to run several reports on a given project, it would be wiser not to give just the project name, but some indication of what type of report the file contains. You do not need to type the extension code for the output file name, since that will be automatically supplied by the DATA program.

After you enter the output file name, the DATA program checks the directory of the disk, to see if a file of that name already exists. If it finds one, you will see the following message on the screen:

name.lis already exists.  
Do you want to overwrite it?  
Yes or No

If you wish to replace the existing file with the report you are currently running, you should respond Yes. If you did not realize that that filename was already in use, however, or you do not want to overwrite that file, you should respond No. Then the DATA program will ask you once again what you want to call the output file. Enter another filename.

When you have entered a filename not currently on disk, or when you have responded Yes, to overwrite an existing file, the DATA program runs the Door Schedule Report. There will be a short pause, varying in length with the length of the PDF. When the report is complete, you will see the following message on the screen:

Door Schedule Report complete. Output stored as name.lis

## DATA/NET Project Reporting

### Door Schedule Report, Continued

Your report is now finished, and stored on disk ready to be printed. You will once again see the black triangle at the left border of the screen. To print out the report, make sure that the Prism printer is turned on, and switched to On Line, ready to receive the file. Then, type the following command:

```
Print name.lis
```

After a short pause, you will hear the printer start, and a small cursor shaped like a hand will appear at the right margin of the screen. The hand will move down the screen, indicating how much of the file has been sent to the printer. When the hand reaches the bottom of the screen, it will disappear. This means that the entire file has now been sent to the printer. The black triangle will reappear on the screen, and you can now proceed to run another report in the DATA program, or go on to another task.

## DATA/NET Project Reporting

### Finish Report

To run the Finish Report, simply type the number 3, and hit the RETURN key. The screen will go blank, and you will see the following message appear on it:

Finish Report

What is the name of the Project Description File?

Type in the name of your PDF, or of the Master File, if you want to run a Master Report. You only need to enter the first part of the name, you do not need to type the .PDF.

The DATA program then checks to be sure that it can find a file by that name. If it cannot find your file, you will see the following message appear on the screen:

name.pdf does not exist.  
Please check your spelling and try again.

Enter the name again, making sure to spell it correctly. You must spell it exactly as you did when you stored the file on disk! If the DATA program still cannot find your file, make sure that you are working in the DATANET area of the disk, as outlined above, and make sure that your file is stored there too. If it is not, find the file, and transfer it to the DATANET area.

When the DATA program has found your file, you will see the following message appear on the screen:

Which report format would you like?

- 1 - Room by Room
- 2 - Department by Department
- 3 - Project Totals

You can get the report listing the square footage of each type of floor, wall and ceiling finish in the project automatically sorted for you, in one of three ways. If you want to see the list of all of the finishes in each room, room by room, type the number 1, and then hit the RETURN key. Remember that the number 1 and the letter l are NOT interchangeable on the computer!

## DATA/NET Project Reporting

### Finish Report, Continued

If you want to see the floor, wall and ceiling finishes found in each department in the project, but not room by room, type the number 2 and hit the RETURN key. If you want to see the total square footage of each type of finish found in the entire project, type the number 3 and hit the RETURN key.

When you have entered a 1, a 2 or a 3, the following message will appear on the screen:

What would you like to call the output file?

Enter the name that you want your report to be called. This can be the same as the name of the PDF, if you wish, since the extension code of the two names will be different. However, if you are planning to run several reports on a given project, it would be wiser not to give just the project name, but some indication of what type of report the file contains. You do not need to type the extension code for the output file name, since that will be automatically supplied by the DATA program.

After you enter the output file name, the DATA program checks the directory of the disk, to see if a file of that name already exists. If it finds one, you will see the following message on the screen:

name.lis already exists.  
Do you want to overwrite it?  
Yes or No

If you wish to replace the existing file with the report you are currently running, you should respond Yes. If you did not realize that that filename was already in use, however, or you do not want to overwrite that file, you should respond No. Then the DATA program will ask you once again what you want to call the output file. Enter another filename.

When you have entered a filename not currently on disk, or when you have responded Yes, to overwrite an existing file, the DATA program runs the Finish Report. There will be a short pause, varying in length with the length of the PDF. When the report is complete, you will see the following message on the screen:

Finish Report complete. Output stored as name.lis

## DATA/NET Project Reporting

### Finish Report, Continued

Your report is now finished, and stored on disk ready to be printed. You will once again see the black triangle at the left border of the screen. To print out the report, make sure that the Prism printer is turned on, and switched to On Line, ready to receive the file. Then, type the following command:

```
Print name.lis
```

After a short pause, you will hear the printer start, and a small cursor shaped like a hand will appear at the right margin of the screen. The hand will move down the screen, indicating how much of the file has been sent to the printer. When the hand reaches the bottom of the screen, it will disappear. This means that the entire file has now been sent to the printer. The black triangle will reappear on the screen, and you can now proceed to run another report in the DATA program, or go on to another task.

GRAPH/NET Computer Integrated Design System

DATA/NET Project Reporting

GENERATOR PDF Creation Program

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## DATA/NET GENERATOR

### Introduction

The DATA/NET databases and report programs provide the alphanumeric complement to the graphic programs in the GRAPH/NET Computer Integrated Design System.

The GENERATOR program creates a Project Description File (PDF) which is a database listing and describing the spaces found in a specific project. The spaces are organized by department with various groups of spaces, or rooms, within each department. This project database is designed to reflect the needs of each particular client, as opposed to the Libraries which are informational guides to the spaces to be found in all projects. Further information on these Libraries may be found in the DATA/NET User Manual.

Once the PDF file has been generated, the project-specific information may be accessed by the OPTI/NET layout optimization program when the user is ready to begin the schematic design. (Please refer to the OPTI/NET Manual for further information). The PDF file may also be used in conjunction with the DATA/NET program to produce a variety of management reports including: Space and Cost Reports, Finish Schedule Reports and Door Schedule Reports. (Please refer to the DATA/NET Project Reporting Manual for further information).

The following will describe in detail how to create a DATA/NET PDF file using the DATA/NET Generator Program. If any mistakes are made during the input process, or updates to be made of the file, these revisions can be done in the GRAPH/NET Text Editor.

## DATA/NET GENERATOR

Before running the Generator program, be sure that you are working in the DATA/NET area of the disk. If you are not, the program may have difficulty finding your files. To be sure that you are in the DATA/NET area, type the following command after the black triangle:

```
PATH :DATANET
```

and then hit the RETURN key. You will see a message appear on the screen telling you that a new path has been set to the DATA/NET area, and this will ensure that the program finds the correct files.

To start the GENERATOR program running, just type the following command after the black triangle:

```
GENERATOR
```

and then hit the RETURN key. The screen will go blank, and then you will see the following message appear on it.

```
GENERATOR   Version 1.3
```

```
Program for Creating a PDF file for DATA/NET reports.
```

What would you like to call the PDF output file?

The version number is important to note whenever reporting problems with the program, or when requesting modifications. This allows us to ensure that we are all working from the same base of information. Please note it in any correspondence relating to the GENERATOR program. The version number will change with each new release of the GENERATOR program that you receive.

## DATA/NET GENERATOR

The name of your PDF file may be up to 6 characters long. If the name you input already exists in the DATA/NET area, the computer will respond:

```
filename.pdf already exists
Do you want to overwrite it (YES or NO)?
[YES or NO] _
```

If you answer YES, the system will create a totally new database under that name overwriting the old file. Do not answer Yes if you want to make revisions to an existing database as these must be done using the GRAPH/NET Text Editor. If you answer NO, the computer will again request the name of the PDF output file. Once you have entered the desired filename, you will be asked:

Do you want to enter door, finish and engineering code?

Your answer, YES or NO, depends on the use which you would like to make of your database. If you would like to run reports in the DATA/NET Project Reporting that include these details please answer YES. Those questions, asked as a result of requesting these codes are flagged below by an asterisk. The codes refer to the tables, use of which is described in the DATA/NET Manual. If you answer NO, you will be asked for just a subset of the total database information, excluding door, finish and engineering codes. After you respond to the above question the computer will ask you a series of questions (presented below) concerning each type of room in a hierarchal structure. The project is made up of several departments, the departments contain groups of rooms. The numbers in parentheses after each question are the number of characters or digits allowed in the answer.

PLEASE USE ALL CAPITALS

```
...Project number (2):
...Project name (20):
...Department number (2):
...Department name (20):
...Group number (2):
...Group name (20):
```

Room 1

```
...short description (8):
...description (20):
```

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...capacity number (2):  
...capacity type (1):  
...room code (6):  
...quantity (3):  
...length (3):  
...width (3):  
...ceiling height (2):  
...sort code (1):  
\*...door number (1):  
\*...door type (1):  
\*...wall finish (1):  
\*...floor finish (1):  
\*...ceiling finish (1):  
\*...engineering 1 (1):  
\*...engineering 2 (1):  
\*...engineering 3 (1):  
...room cost (3):

Room 2

...short description (8):

After entering all the rooms required in that group, just hit the RETURN key after the next request for a short description to tell the computer that you have finished with that group. The program will then tell you how many rooms have been entered and request the percentage of circulation space in the group.

...Circulation % :

Enter the percentage that should be added to the net area for corridors and other such spaces. The program will then ask:

Do you want to enter another group? (Y or N)

If you answer yes, that you wish a second group of spaces within the current department, then the computer will request information concerning that group as detailed above, beginning with

...Group number (2):

and this group will be part of the same department as the previous group. If you have completed all the groups of rooms within a

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particular department then answer No to the above question and the computer will respond:

Do you want to enter another Department? (Y or N)

If you respond yes then the computer will request additional information beginning with:

...Department number (2):

If you have completed all the departments in the project then answer No to the above question. The computer will confirm that all input for the Project is complete and give the name of the file.

GENERATOR PROGRAM completed.

Project PDF filename is sys:datanet>FILENAME.pdf

The Project Description File (PDF) is now complete and may be used in conjunction with either the OPTI/NET or DATA/NET programs.

If you have made any errors in inputting the data or want to revise the data in a PDF file you must use the GRAPH/NET Text Editor.