Predicting Company Failure in the UK Housebuilding Industry

By

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Abstract

This report describes the development of a predicting model for the identification of UK housebuilding companies in danger of failure. The model is developed using a combination of two techniques, 'financial ratio analysis' and a statistical technique known as 'multiple discriminant analysis'. This is a fairly new area of research in the UK housebuilding industry and is still open to further development. This report is an attempt to validate the technique and describe its capabilities. The predictive model is made up of four variables, measuring four different aspects of a company's financial structure (i.e financial risk, profit margin, efficiency and working capital position), and it provides good discrimination between 'solvent' and 'failed' companies. The results from the model support conclusions that this type of statistical model can be used as a classificatory tool, and it is possible to predict, with some confidence, who could be the next to fail.

Keywords: Insolvency, liquidation, housebuilders, financial ratios analysis, and multiple discriminant analysis.

(9618 words)

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Introduction

This research topic arises from an interest of the rising insolvency rate in construction sector which accounted nearly 16% of the total company insolvency in the UK in 1992 (Annual Abstract of Statistics,1994)¹. Falling sales volumes and static selling prices has had a devastating impact on the profitability of the UK housebuilding industry. Size has not protected the major housebuilders from the effects of falling demand with leading names such as Beazer, Barrat, Wimpey, Bovis and Laing, all incurring loses in recent years (ICC, 1993)². Housebuilding industry is distinctively different from other trades within the construction industry, especially in its financial structure. Table 1 compares the finance required by seven company types in the construction industry.

Purpose of Finance	Type of Business						
	Contracting	Housebuilding	Plant Hire	Materials Production	Mining	Property development	Property investment
Working Capital	1	2	2	2	2	2	2
Speculative stocks & WIP	-	3	-	2	1	3	3
Stocks ordered & WIP	1	1	1	1	1	1	-
Unexpected liabilities	3	1	2	1	3	-	2
Operating assets other than land	-	1	3	3	3	-	3
New ventures	-	1	-	2	1	2	3
Land	-	3		-	2	3	-

Notes

WIP = Work in progress

The numbers from 1 to 3 indicate the relative importance of requirement of finance for each type of business:

2 = medium

1 = low

Source: Patricia M. Hillebrandt and Jacqueline Cannon "The Management of Construction Firms: Aspects of Theory" The MacMillan Press Ltd. 1989.

Table 1. Finance by various types of business

3 = high

¹CSO (1993), Annual Abstract of Statistics, Government Statistical Service

²ICC (1993), Business Report: An industry sector analysis "Major Housebuilders".

Evaluation of a company's performance in terms of its profitability alone, ignoring other characteristics such as its financial risk, working capital and degree of liquidity, can result only in an incomplete and potentially misleading view.

In this report, a statistical technique known as multiple discriminant analysis (MDA) is used to draw a comprehensive view of a company's performance, based on a collection of variables, such as liquidity, profitability and efficiency. The model developed in this report is aimed to distinguish among two groups - solvent companies (continuing) and insolvent (failed)companies, and to identify the variables that are important for distinguishing among the groups and to develop a procedure for predicting group membership for new cases whose group membership is undetermined. The available data are the values of the variables for cases whose group membership is known - that is, cases who have proved to be solvent (or continuing business) and insolvent.

In Chapter 1, an overview of the UK construction industry and liquidations among housebuilders are provided. Chapter 2 reviews three developed z-score models ;an asset-based model which was developed by Altman for American manufacturers in the 1960's; Taffler, a liquidity-based model which was constructed for the UK manufacturing and construction industries in 1983; and Mason and Harris's model which was developed in 1979 for the UK construction contractors. In Chapter 3, Altman and Tafflers' models are applied to the housebuilding industry and the results are analysed in an attempt to examine the discriminating power of liquidity-based model and asset-based model. A predicting model is constructed in Chapter 4, the model consists of four variables and it's discriminating power is found satisfactorily. Chapter 5 concludes the report, and limitations of MDA are dicussed. Chapter One

<u>An overview of the performance of the UK construction industry in</u> <u>between 1983-1992</u> One of the features of the UK construction industry that, in combination with others, sets it aside from many other industries is that the vast majority of its products are built to order. Housing is a partial exception with many contractors undertaking speculative housing developments, a fact noted from the very beginning of the capitalist era.³

In the early 1990s, the housebuilding industry and the housing market in Britain again experienced one of its periodic slumps. Activity in the owner-occupier housing market had virtually ceased in the early 90's, leading to the first actual falls in house prices since the 1950s.⁴ Total private sector housing starts fell from 225,000 in 1988 to 160,000 in 1989, and only 90,000 for the first nine months of 1990 (ICC, Major Housebuilders, 1993).⁵ After high profit margins for most of the 1980s, developers' profits had collapsed in the early 1990s.

By the nature of its end product, the housebuilding industry is a stock intensive industry. Stocks and work in progress account for the greater part of housebuilders' assets. The stocks to sales ratio averaged as high as 99.3% in 1990 (ICC, Housebuilder, 1993), indicating a situation in which many housebuilders were carry stocks, i.e. unsold houses and work in progress, almost equal to their annual sale.

Borrowing ratios tend to be high among housebuilders, as in addition to carrying stocks of unsold houses, they also have to invest in new building land. During the housing boom of the mid 1980s, many housebuilders took advantage of low interest rates to purchase landbanks for future building. However, much of this land was bought at inflated prices and many builders have had to make provisions, against profits for falling land values. At the same time, heavy interest charges on loans to purchase land have dented the pre-interest profits of housebuilders.

As shown in Figure 1, number of company insolvencies in the UK construction was peaked in 1992 which accounted nearly 16% of the total company insolvency in that year (1.86% of all construction companies failed in that year, see Figure 2). At the

³Clarke, L. (1980), "The importance of a Historical Approach : Changes in Construction Industry". BISS vol.1.

⁴Barlow, J. (1991), Housebuilders and the housing system in Britain, France and Sweden, University of Sussex, Working Paper 74. ⁵ICC (1993), Business Report : An industry sector analysis "Major Housebuilders", ICC.

same period of time, the performance of the whole economy in the UK experienced the similar down fall as shown in Figure 3.



Figure 1. Failed construction companies as % of total companies failures



Figure 2. % of all construction companies failing during the year



Figure 3. % change of GDP (at current prices)

Like all development endeavours, the financial risks in volume housebuilding are high. The wrong time, the wrong price, over-borrowing, can all have very serious effects on a company's stability. On the other hand, a successful venture can lead to profitability levels unlikely to be attained in general contracting. If this sort of venture appeals to a company, there is an opportunity to make substantial profits, but the risks are high.

Housebuilders using their own finances or funds borrowed from such sources as the institutions and pension funds have entered into property development with enthusiasm, and some have been very successful in doing so. Others have found that the financial problems involved were beyond their capabilities and have floundered. Every day some housebuilder or other tackles this type of development, and in doing so puts his finances at risk. Some will be successful, others will not.

The large housebuilders, however, can plan their building programs a number of years ahead. Market downturns may affect turnover temporarily but investment plans do not have to be altered. The major investment of speculative builders is in land, so these firms can take a long time but more importantly they are able to acquire and develop land at the most opportune times. This gradually strengthens their market position.⁶ Moreover, housebuilding, which begins with the purchase of plots and ends

⁶Monk, S. (1991), The Speculative Housebuilder: A review of Empirical Research, Granta Editions Ltd.

with the sale of finished homes not more than two years later, has an enormous appetite for cash.⁷ Does "Bigger" really mean "Better"?

Mason and Harris (1979) commented that "construction is recognized as a high risk business. Whilst the smaller firms have always been considered as a potential risk, the larger companies were regarded as being reasonably secure".⁸ The large companies are mainly quoted companies, financial difficulties can be managed by raising capital in the stock market or the ultimate holding companies can inject capital to save the subsidiaries. Some big firms even change the scope of their business, as described by Langford (1993), he says " in the current economic climate many big firms are known to have trimmed their scope of operations and operating costs in order to avert insolvency".⁹

Types of Housebuilder

The UK housebuilding industry is described by Ball (1983)¹⁰ "No Such thing as a minimum list heading, common for virtually every other industry, exists for construction. Some disaggregated pieces of information by trade of firm and by type of work are presented but no composite picture of sectors of the industry can be derived".

However, Ball divides the current industry in five types of housebuilders:

- (a) <u>Petty capitalist housebuilders</u> these are small, producing up to 20 houses pa. but usually only 2 or 3 and sometimes none. Of the 21,000 registered private housebuilders in 1978, 12,000 did not build a house at all in that year.
- (b) <u>Small family capital housebuilders</u> these firms need to turn over their capital regularly so they usually build 25-120 houses pa. They often have long ties in a locality, maintaining sales through an image of quality tradition building, and acquiring land through intimate local knowledge.

⁷Foster, G. (1994), 'Why the Whimpering Stopped?', Management Today, February 1994, pp40-44. ⁸Mason, R.J. and Harris, F.C. (1979) Predicting company failure in the construction industry. Proceedings Institution of Civil Engineers, 66, pp.301-7.

⁹Langford, D., Iyagba, R. and Komba, D.M. (1993) Prediction of solvency in construction companies. Construction Management and Economics, 11, pp.317-325.

¹⁰Ball, M. (1983), Housing Policy and Economic Power - The Political Economy of Owner Occupation, Methuen, pp.43-96.

- (c) <u>Non-speculative housebuilding</u> these are firms whose main activity is not speculative housebuilding although they are involved in a certain amount. Therefore they tend to operate at a level of output which does not tie up too much capital but is not viable without the other activities. They usually produce 120-300 houses pa..
- (d) Large capital housebuilding firms these dominate the industry, building over 300 houses pa., and 89 firms accounted for 47% of the market in 1978. Even this is an underestimate because they often turn out to be regional subsidiaries of larger firms although they are registered separately. They are usually publicly quoted, and they generally have a three year land bank.
- (e) Long term land development capital Large firms have moved in through takeover to occupy leading positions, and their motives related predominantly to long-term, large-scale investment. A new and particular type of capital, therefore, has come to dominate speculative housebuilding. These housebuilders can plan building programme a number of years in advance, because they have the financial backing of large corporate enterprises. These firms tend to take a bigger share of an expanding market and then contract their share during downturns.

Liquidation and Receivership of housebuilders in the UK (1989-1992)

According to the figures disclosed by the National Housebuilders Council¹¹ (as shown in Figures 4, 5, 6 and 7), number of members deleted from the National Housebuilders (due to liquidation or in-receivership) reached its peak in 1991 which coincided with the economic trend as the growth of GDP in the UK fallen to the lowest level in 1991 in a decade (see Figure 3).

¹¹Deleted members of the NHBC with deletion reasons, Liquidation or In receivership, between 1989-1992. (Courtesy National Housebuilders Council)



Figure 4. Total no. of Housebuilders failing during the year (Liquidation or in Receivership)



Figure 5. Total no. of Housebuilders in Liquidation during the year.



Figure 6. Total no. of Housebuilders in Receivership during the year.



Figure 7. Comparison of the failed contractors and failed housebuilders

There is no doubt about the performance of each company that it is immensely affected by the economy as a whole, however, many companies manage to survive while others are failing. Reasons behind companies failures are complex and, efforts have been made by many scholars and economists in predicting company failure in an attempt to prevent impending failures or to improve companies' performances. The large firms obviously have their advantages over their smaller competitors but, it doesn't mean that they are exempted from failure completely. Obviously, there is need for a device to identify impending company failure. This report describes such a device which is known as a Z-Score model. The Z-Score model (Multiple Discriminant Analysis, MDA) has been widely used by the UK accountants since the late 1970s. Several theories based on the concept of Z-Score are developed in an attempt to predict the company failure, unfortunately, none of them is tailored for the UK housebuilders. In Chapter 2, we look at the development of MDA in America and in the UK. **Chapter Two**

Multiple Discriminant Analysis (MDA)

Z-Score Model - An Overview

Multiple Discriminant Analysis (MDA) has been used in different areas by scientists and academics since its first application in the 1930's.¹² The basic ideas of discriminant analysis is defined by Lachenbruch (1975)¹³ "Discriminant Analysis is concerned with the problem of assigning an unknown observation to a group with a low error rate".

The commercial use of the z-score technique was originally developed by E I Altman in the US in 1968. In the paper published in 1968¹⁴, Altman criticized the traditional ratio analysis technique in predicting companies' performances was questionable and confusing. Using the MDA technique, he developed a z-score model to predict company's failure.

The z-score model approach consists of constructing the solvency profile of a company on the basis of its published financial accounts and comparing it with the profile of known financially healthy, or previously bankrupt, firms. The closer the company in question resembles previous failures the more likely it is to fail itself and vice versa. Its solvency profile is summarized in a single index, known as a z-score, derived from the Z model.

Altman's z-score model is as follows.

$$Z = .012X_1 + .014X_2 + .033X_3 + .006X_4 + .999X_5$$
 Equation 1

	Where	$X_1 =$	Working	Capital/Tota	l assets
--	-------	---------	---------	--------------	----------

- X_2 = Retained Earnings/Total assets
- X_3 = Earnings before interest and taxes/Total assets
- X_4 = Market value equity/Book value of total debt
- $X_5 =$ Sales/Total assets
- Z = Overall Index

¹²Fisher, R.A.(1936) "The Use of Multiple Measurements in Taxonomic Problems", Annuals of Eugenics, No.7 (September), pp. 179-188.

¹³Lachenbruch, P.A. (1975), "Discriminant Analysis", Hafner Press, pp. 1.

¹⁴Altamn, E. I. (1968) "Financial Ratios, Discriminant Analysis and the Prediction of Corporate Bankruptcy", Journal of Finance, Vol 23, No.4 (September), pp 589-609.

 X_1 - Working Capital/Total Assets. It is a measure of the net liquid assets of the firm relative to the total capitalization. Working capital is defined as the difference between current assets and current liabilities.

 X_2 - Retained Earnings/Total Assets. It is a measure of cumulative profitability over time was cited earlier as one of the "new" ratios. The age of a firm is implicitly considered in this ratio. Retained earnings is defined as the account which reports the total amount of reinvested earnings and/or losses of a firm over its entire life. The account is also referred to as Earned Surplus or Retained Profits (or Reserves in UK).

 X_3 - Earnings Before Interests and Taxes/Total Assets. This measures the true productivity of the firm's assets, abstracting from any tax or leverage factors. Earnings is defined as Operating Profits.

 X_4 - Market Value of Equity/Book Value of Total Debt. Market Value of Equity is measured by the combined market value of all shares of stock, preferred and common (preference and ordinary), while debt includes both current and long-term. The measure shows how much the firm's assets can decline in value (measured by market value of equity plus debt) before the liabilities exceed the assets and the firm become insolvent.

 X_s - Sales/Total Assets. This measures the management's capability in dealing with competitive conditions. Sales is defined as raising cash by selling assets.

Altman concluded his results that all firms having a Z score of greater than 2.99 clearly fall into the "non-bankrupt" sector, while those firms having a Z below 1.81 are all bankrupt. The area between 1.81 and 2.99 will be defined as the "zone of ignorance" or "gray area" because of the susceptibility to error classification.

Recent development of the z-score model

Mason and Harris (1979)¹⁵ carried out a study in predicting company failure in the construction industry. A z-score model was developed as follows:

$$Z = 25.4 - 51.2R_1 + 87.8R_2 - 4.8R_3 - 14.5R_4 - 9.1R_5 - 4.5R_6$$
 Equation 2

Where

- R_1 = Profit before interest and tax/opening balance sheet net assets
- R_2 = Profit before interest and tax/opening sheet net capital employed (PBIT / NCE_{open})
- $R_3 =$ Debtors/creditors
- R_4 = Current liabilities/current assets
- $R_5 = \log_{10} (\text{days debtors (cf. equation (3))})$
- R_6 = Creditors trend measurement (cf. equation (4))

days debtors for year
$$n = \frac{D_{n-1} + D_n}{\text{turnover}} x \frac{365}{2}$$
 Equation 3

Where $D_{n-1} = \text{debt for year } n-1$, $D_n = \text{debt for year } n$

trend creditors for year n =
$$\frac{C_n + C_{n-1}}{2C_{n-2}} - 1$$
 Equation 4

Where $C_{n-1} = C$ reditors for year n-1, $C_n = c$ reditors for year n, etc.

The six discriminant ratios developed by Mason and Harris measure five distinct aspects of the company structure. These are profitability (1 and 2), working capital position (3), financial leverage (4), quick assets position (5) and trend (6).

¹⁵Mason R.J. and Harris F.C.(1979), "Predicting company failure in the construction industry", Proceedings Institution of Civil Engineers (1979) 66, pp.301-307.

 R_{l} - <u>Profit Before Interest and Tax/Opening Balance Sheet Net Assets</u>. "Profit" is defined as the Total Profit and "Opening Balance Sheet Net Assets" is defined as the previous year's closing net assets (Net Assets = Fixed Assets + Current Assets - Current Liabilities).

 R_2 - <u>Profit Before Interest and Tax/ Opening Sheet Net Capital Employed</u>. "Opening Sheet Net Capital Employed" is defined as the previous year's closing net capital employed (Net Capital Employed = Fixed Assets + Current Assets).

 R_3 - <u>Debtors/Creditors</u>. Debtors is defined as trade debtors and bills receivable within one year. Creditors is defined as trade creditors and bills payable within one year.

 R_4 - <u>Current Liabilities/Current Assets</u>. Current Liabilities is defined as Liabilities which are expected to have been paid within one year from the date of the balance sheet (e.g., trade creditors, proposed final dividend, current taxation).

Mason and Harris concluded their results that all firms having a Z score of greater than 0 clearly fall into the "solvent" sector, while those firms having a Z below 0 are all "failed". The success rate of the model was 100% in this particular survey.

Mason and Harris's model was used by Langford (1993)¹⁶ to predict the construction companies' insolvencies. Langford's paper, however, is very questionable in its value because the size of his sample is too small (only three companies were examined !) and he didn't make any adjustment of the model (he used exactly the same model developed by Mason and Harris in 1979!).

Taffler published his formula in 1977¹⁷, and this is:

$$Z = 0.53X_1 + 0.13X_2 + 0.18X_3 + 0.16X_4$$
 Equation 5

¹⁶Langford D., Iyagba R. & Komba D.M. (1993), "Prediction of solvency in construction companies", Construction Management and Economics ,11, pp.317-325.

¹⁷Taffler, R. J. (1977) "Going, going, gone", Accountancy, March.

Where

 X_1 = Net profit before taxation/Current liabilities X_2 = Current assets/Total liabilities X_3 = Current liabilities/Total assets X_4 = No-credit interval

 X_1 - Net Profit Before Taxation/Current Liabilities. This measures an enterprise's profitability. Current Liabilities means those liabilities which are expected to have been paid within one year from the date of the balance sheet (e.g., trade creditors, proposed final dividend, current taxation)

 X_2 - Current Assets/Total Liabilities. It is a measure of a company's working capital position. Current Assets means any asset other than fixed assets. Current Assets are either already cash or can reasonably be expected to become cash within one year from the date of the balance sheet (e.g., debtors, stock-in-trade). Total Liabilities means the sum of short-term liabilities and long-term liabilities.

 X_3 - Current Liabilities/Total Assets. This measures the financial risk of a company. Total Assets means the sum of fixed, intangible, intermediate and total current assets.

 X_4 - No-Credit Interval. This measures the company's short term liquidity position. It is defined as

"Immediate Assets" is defined as the amounts such as gross investments in subsidiary and associated companies, gross inter-group balances, trade investments, advance corporation tax due after one year, investment properties and other long term financial assets or those with no stated repayment terms.

"Operating Costs" include wages and salaries, cost of bought-out materials and services, and overhead costs.

"Depreciation" is defined as the depreciation provision for the year on tangible fixed assets, this includes 'accelerated' charges but exclude supplementary transfers to reserves.

A paper published in 1983¹⁸ by Taffler which focused on one particular system for the analysis of listed industrial (manufacturing and construction) concerns to illustrate the principles involved. Taffler concluded his results that all firms having a Z score of greater than 0 clearly fall into the "solvent" region, while those firms having a Z below 0 are all "at risk" region.

Altman score is strong asset-based. By contrast, Taffler model is liquidity-based as described by Inman (1991)¹⁹. Both of these models have their values in predicting the performances of the speculative housebuilders (both liquidity and assets are important to the speculative housebuilders). Although, Mason and Harris's model has less recognition than Altman's and Taffler's, it is almost the only study in this area in the UK construction industry!

However, Mason and Harris's model is considered inappropriate for the explanatory model in the following chapter. The main reason is because of the correlation between two ratios, R_1 and R_2 . The only difference between these two ratios is that "goodwill" is excluded in R_2^{20} . The term "goodwill" in many companies' accounts (in the sample) simply doesn't exist, it is because the lack of acquisition activities in the sampled companies and the problems associated with accounting tactics, and these will be discussed in later chapter. In other words, R_1 and R_2 can be misinterpreted as the same ratio in term of absolute mathematical value. Moreover, the coefficients and the resultant z-scores are not harmonised and, this issue is discussed in chapter 5.

In the following chapter, Taffler model and Altman model are examined in an attempt to select an appropriate explanatory model for the development of a predicting model for the UK housebuilders.

¹⁸Taffler, R. J (1983). "The z-score approach to measuring company solvency", The Accountant's Magazine, March, pp.91-96. ¹⁹Inman, M. L. (1991) "Z-scores and recent events: do they shed any light?", Management Accounting,

⁽January), pp. 44-48. ²⁰Letters from Mr. Mason an Mr. Harris on August 1st, 1994.

Chapter Three

Explanatory Model

Purposes of the Explanatory Model

- To apply Altman and Taffler models to the UK housebuilding industry, and evaluate the capability of the two models in the industry.
- To identify important financial measures which can highly discriminate and distinguish failed and solvent housebuilders.
- Drawn from the findings, establish a predicting model for the UK housebuilders performances.

Selection Criteria of explanatory model

In this report, an explanatory model is selected from the models developed by Altman and Taffler. Criteria considered in the selection process are as follows:

- Higher success rate in prediction
- Duration of Warning

Altman and Taffler models are chosen because their models are constructed with strong asset-based and liquidity-based variables. And these variables, it is believed, are influencing the housebuilders' financial structures substantially. Mason and Harris's model is not considered because it is specially constructed for the UK contracting industry which is distinctively different from the housebuilding industry (See Table 1), and the ratio X1 and X2 are virtually the same in many cases which may lead to a misleading result.

Higher success rate in prediction

The results can be compared by using a very simple probability technique.

Probability of event happen, $P(A) = \frac{\text{Number of times event occurred in past}}{\text{Total number of observations}}$ Equation 6

Duration of Warning

Duration of warning is a measure of the capability of a z-score model which provides warning by indentifying financial distress of a company before failure (e.g receiver called in, administrators appointed or ceased trading, etc).

The company sample

In constructing the explanatory model, two sets of financial ratios were used. The first set was derived from the final year's accounts of 11 housebuilding companies failing in 1991and 1992, and the other from the 1992 accounts of 14 housebuilding companies that were thought to be particularly sound on a traditional financial ratio analysis basis.

Companies' Type

Unfortunately, there is little national data on speculative housebuilding published separately from the construction as a whole, as explained in Chapter 1. The company sample in this report, therefore, is drawn from accessible published information.

The sample is drawn from the Inter-Company Comparison's reports. Companies selected in the ICC reports are believed to be among the leaders in the medium-sized housebuilding sector.

Companies' size

 \pounds 1 million \leq Turnover $< \pounds$ 15 million (Medium-sized Housebuilders)

This report is only concerned with the medium-sized housebuilders in the UK housebuilding industry. Large housebuilders and small housebuilders are excluded from the report, it is because the large housebuilders are less vulnerable during the recession (backed by large enterprises and their shareholders), and the information available in the publication on small housebuilders almost doesn't exist.

Data Period (5 years)

Predictive Accuracy of a MDA model is weakened as the lead time increases, and the results of Altman, Taffler and Morris have proven this. A 5 accounting year basis, therefore, is chosen in examining each company in the sample (except in the test model, only the final year's accounts are examined). Accounting period is from 1987 to 1991 (except "Wessex Retirement Homes" and "A.F. Ward" which final year's accounts published in 1990).

Definition of Failure

Failure is defined as receivership, voluntary liquidation (creditors), winding up by court order, ceased trading or equivalent.

Assumptions

Due to the limitation of the scale of this report and the differences between the American accounting method and the British accounting method, assumptions are made in evaluating the z-scores in both Altman and Taffler models. These assumptions are made in the manner of minimizing the distortion of results and, maintaining the originality of the ratios. The assumptions are as follows.

Altman model

- X₂ "Retained Earnings" are replaced" by "Reserves" in the UK company account.
- X₄ "Market value equity" is replaced by "Net book value of shareholders funds. The value of "Market value equity" is rather complicated to obtain in the publications and "Net book value of shareholders funds" are comparatively obtainable in the UK company account.

Taffler model

 X₄ - No-Credit Interval. "Immediate assets" refers to those assets which can be immediately transferred into cash, therefore, cash is supposed to be a very good measure of the "immediate assets". Unfortunately, "Cash" item in most of the accounts in the sample are found unreliable, as most of them declared that they almost didn't held any cash at all! Therefore, "Immediate assets" are measured as "Total Current Assets" excluding "Stocks".

The company sample is shown in Table 1. (Accounts detail are shown in Appendices A and B):

	Company Name	Principal Activities	Turnover (1990) £000	Status
1	Alath Construction Ltd	The construction and sale of private houses.	5255	Receivership 8/8/92
2	Allison(Contractors) Ltd	The building of private houses for sale.	1734	Receivership 25/6/92
3	Fairbriar Homes Ltd	Property development.	14816	Liquidation 7/10/ 91
4	Jarvis Bros. & Brewster (Construction) Ltd	Construction of residential property.	7233	Ceased Trading 28/3/91
5	Wessex Retirement Homes Ltd	The construction and management of retirement homes.	1045	Receivership 8/5/92
6	Chelmsford Development Ltd	Building and estate development	11632	Receivership 8/2/93
7	Fradley & Son Ltd	Housebuilding and estate development	12451	Receivership 9/9/93
8	Standen Homes Ltd	The construction and sale of private houses.	12430	Receivership 31/12/91
9	Stepney Homes Ltd	Private housing and property development.	1852	Receivership 26/1/93

Table 2: Company Sample

	Company Name	Principal Activities	Turnover (1990) £000	Status
10	D.F. O'Connor & Co. Ltd	Building and construction	3552	Liquidation 25/6/93
11	A. F. Ward (Builders) Ltd	Housebuilders.	1316	Receivership 27/1/93
12	K.B. Benfield & Co. (Midlands) Ltd	Housebuilding.	3453	Live
13	Brackenlea Ltd	Housebuilding.	3144	Live
14	Davies Holdings (Somerton) Ltd	Housebuilders, building contractors, dry liners and retailers.	14758	Live
15	Deeks & Steere Ltd	Builders and contractors.	27	Live
16	Eden Homes Ltd	Housing estate development.	4391 (1991)	Live
17	Flower & Hayes Ltd	A group engaged in housebuilding and civil engineering, the hire and sale of plant and activities related to the building industry.	2610	Live
18	Heavestow Ltd	Housebuilders	2108	Live
19	Jennings Homes Ltd	The construction of houses.	6054	Live
20	Moody Homes Ltd	Housebuilders and building contractors.	11620	Live
21	Muir Homes Ltd	The construction and sale of private houses.	8915	Live
22	D. North Homes Ltd	Residential building.	5077	Live
23	Orion Development Ltd	Housebuilders.	5457	Live
24	J. A. Pye (Oxford) Holdings Ltd	Housebuilders and estate developers.	7384	Live
25	Walton Homes Ltd	Housebuilders and property developers.	9105	Live

Results of the explanatory models

Using the data as shown in Appendices A and B, the two models are compared and the results are as follows:

Altman model

	Percentage classified by the model as failed	Percentage classified by the model as solvent
Failed group	85	15
Solvent group	88	12

Table 3. Classification of solvent and failed companies with Altman's model

P(A) = 0.43

Average duration of warning = 3.54 years

Taffler model

	Percentage classified by the model as failed	Percentage classified by the model as solvent
Failed group	85	15
Solvent group	59	41

 Table 4.
 Classification of solvent and failed companies with Taffler's model.

P(A) = 0.6

Average duration of warning = 2.31 years

Discussions of the results

Although, Taffler model has a higher predicting power, P(0.6) seems insufficient to establish a sound predicting model from his model.

The results are disappointing, neither "Liquidity-based model" nor "Assets-based model" can effectively discriminate the failed and the continuing companies in the sample. Although both models can classify successfully the failed companies, they can't identify those companies who are continuing their businesses (Or, perhaps the surviving companies exhibit danger signals of impending insolvency!).

As illustrated in Figures (8 to 16), except the EBIT/ TA (Altman's model) and the PBT/CL ratio (Taffler's model), all ratios failed to identify the continuing group, Why?

As mentioned in Chapter 1, housebuilding by its nature is very much a stock intensive industry and stocks and work in progress account for the greater part of housebuilders' assets. In addition to carrying stocks of unsold houses, housebuilders also have to invest in new land for future building.

This means that liquidity is generally under strain in the housebuilding industry, and individual companies could hardly use any other alternatives to control their liquidity position due to their inflexible financial structures. And stocks piled up in the recession could hardly find the way out because of depressing market conditions.

Housebuilding firms have always been sensitive to the extent of their borrowing(Ball, 1988).²¹ Overgear problems in the housebuilding industry are worsen by the British banking system which, is notorious for its failure to provide long-term capital to high risk-ventures (Ingham, 1984)²². Unlike the large capital housebuilders, raising internal or external funds to diversify or to invest into other business is difficult to the medium-sized firms. The growing importance of access to plentiful supplies of credit, for example, has been one of the principal causes of a rapid centralisation of capital in the British speculative housebuilding industry over the past 20 years (Ball, 1988).

²¹Ball, M. (1988), Housing and Social Change in Europe and the USA, Routledge, Chapter 5.

²²Ingham, G. (1984), Capitalism Divided?, Macmillan, Basingstoke.

The results of the two models surface a serious problem - although both liquidity and total assets contribute so much to the housebuilers' financial structures, the discriminating performances of these two variables imply that they are not suitable to be applied to the comparison between companies in the housebuilding industry. In Chapter 4, a predicting model is constructed for the UK housebuilding industry.

Results of each variables in the models are illustrated as in the following figures.

Altman's model



Figure 8 Working Capital to Total Assets ratios



Figure 9. Retained Earning to Total Assets ratios



Figure 10. Earning Before Interest and Tax to Total Assets ratios



Figure 11. Reserves to Total Debt ratios



Figure 12. Sales to Total Assets ratios

Taffler's model



Figure 13. Net Profit before Tax to Current Liabilities Ratios



Figure 14. Current Assets to Total Liabilities Ratios



Figure 15. Current Liabilities to Total Assets Ratios


Figure 16. No-credit Interval

Chapter Four

Predicting Model

A predicting model is constructed in this chapter, as seen in chapter 3, Taffler and Altman models are found unsuitable for discriminating solvent and failed companies in the UK housebuilding industry.

Purposes of the Predicting Model

- To apply MDA technique to the UK housebuilding industry
- To identify variables which have high discriminating power.
- To evaluate the suitability of MDA in the industry.

Company's Sample

The proposed model is based on the companies' data as shown in Chapter 3. In addition, 8 other independent companies' accounts are used for testing the proposed model.

Table 5. Testing San	iple
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	Company Name	Principal Activities	Turnover (1990) £000	Status
1	Weathercock Properties Ltd	Builders and property developers and property management.	1089	Receivership 28/1/92
2	Hasall Homes (Western) Ltd	Private Housebuilding	9940	Ceased Trading 30/6/91
3	McInerney Developments	Building houses and flats under contract and for private sale.	1123(1989)	Liquidation 28/1/92
4	Mill wood Homes PLC	Housebuilders	2731	Liquidation 31/10/91

5	Abbey Manor Homes Ltd.	Residential housebuilders	1503	Live
6	MacBryde Homes Ltd.	Housebuilding	10230	Live
7	Penta Homes Ltd	General builders and developers.	7384	Live
8	Beazer Homes (Anglia) Ltd	Housebuilding.	14483	Live

The Analysis

The discriminant analysis is done using the 'SPSS' analysing computer package²³ which is readily available. In this study 28 discriminating variables were considered (including variables from Taffler and Altmans' models) and the package was used to find a small number of these that produced high discriminating power.

The package begins by finding the variable that discriminates most between the groups of known 'failed' and 'solvent' (or continuing) companies. It then combines this variable with each of the other variables in turn until it finds the variable which contributes most to any further discrimination of groups. The process then continues in a similar manner until very little discrimination is gained by inclusion of a further variable.

Having found a set of variables that provide a high level of discrimination the package is then able to mathematically combine the variables to produce the discriminate function that is required. This function is of the form

$$Z = C_0 + C_1 X_1 + C_2 X_2 + \dots + C_n X_n$$

Equation 7

where

Z is the z-score

²³SPSS Professional Statisitics[®] for Windows[™], Release 6.0, (1993)

 C_0 is a constant

 C_1 C_n are the ratio weights

 X_1 X_n are the discriminating financial ratios.

The Variables

A model is constructed from a number of discriminating variables derived from the published ICC financial ratios, to reflect the characteristics of both failed and continuing companies. The data are then mathematically combined and a single dimension is evaluated which describes the point of separation of the two groups of companies along a scale of solvency.

The main reason of using ICC financial ratios is because of its consistency of measurement standard and, its ratios represent most of the contemporary financial ratios which are being currently used by financial sectors. In this report, 19 ratios from ICC are considered as constituent variables are as follows.

Profitability Ratios

<u>Net Profit Before Tax/Capital Employed</u>: This ratio is often taken as the primary measure of profitability for a company as it can be roughly regarded as the sum the business yields for the money invested into it.

<u>Net Profit Before Tax/Total Assets</u>: It is different from NPBT/CE as it encompasses the degree to which a company has been successful in (or forced into) relying on creditors or current liabilities for financial support.

<u>Net Profit Before Tax/Shareholders Funds</u>: If this ratio is as subsidiaries of larger companies often have only a nominal number of shares issued, their finance coming mainly from the inter-company loans.

<u>Trading profit/Turnover & Operating profit/Turnover</u>: These ratios can not be judged in isolation, for example a higher sales volume may be achieved by lowering prices. Overheads or fixed costs would then be spread over a larger base and as total profits should have risen (although not in proportion to sales) return on capital may rise while the profit margin falls.

Efficiency Ratios

<u>Turnover/Total Assets</u>: This ratio is generally higher the better. A high result, however, might be achieved because the fixed assets are old (and therefore probably undervalued) and in need of replacement. A further reason is that some of the assets are not reflected on the balance sheets, this would be the case if the company was labour intensive as opposed to capital intensive. Turning this around, a low result might not be unsatisfactory if it merely indicates a higher degree of automation. Asset utilisation levels can be explained in part by three other ratios below.

<u>Turnover/Fixed Assets</u>: Simply the ratio between sales and fixed assets and is sometimes referred to as fixed asset.

<u>Stock/Turnover</u>: Generally the lower the better. However, if the stock to turnover ratio becomes too low the company might experience stock shortages. Furthermore, if it is involved in numerous diverse businesses, finds raw materials hard to come by or is planning expansion the stock level would rise and the ratio increase which obviously in those cases is not bad.

<u>Trade Debtors/Turnover</u>: Credit period. If the figure is too high the company may bear interest charges that would be avoided by better credit control while if it is too low the company may not be extending favourable credit terms to customers and may lose business.

<u>Trade Creditors/Turnover</u>. The higher this ratio is the less capital that is tied up unnecessarily, although if a company lets the ratio get too high it may find it difficult to obtain further credit in the future.

<u>Working Capital/Turnover</u>: This should indicate whether, in comparison with previous years or similar companies, the total volume of working capital is too high and the company is over capitalised, as least in this respect.

Liquidity Ratios

<u>Total Current Assets/Total Current Liabilities</u>: A low result indicates a lack of working capital and the possibility that a company would not be sufficiently solvent to meet its current liabilities when they fall due for payment.

(Total Current Assets - Stock)/Total Current Liabilities: Known as the Acid Test. Stocks are excluded because of the time taken to convert them first into debtors and then into cash.

Gearing Ratios

<u>Total Debt/(Shareholders Funds - Immediate Assets)</u>: The higher the result then the higher the gearing and the greater the susceptibility of overall performance to changes in the money market.

<u>Shareholders Funds/Total Liabilities</u>: The lower the ratio the higher the gearing. This is different from the above gearing ratio in that the TD/(SF - IA) ratio deals mainly with the relatively fixed investment required while this ratio brings into consideration the more immediate trade creditors figure.

<u>Interest Paid/(Net Profit Before Tax - Interest Paid)</u>: Interest as a portion of preinterest profit, or that portion of a company's profits required to finance external loans. The reciprocal of this ratio is often referred to as Interest Cover.

Total Debt/Working Capital: Total debt expressed as a ratio of working capital.

Long Term Loans/(Shareholders Funds - Immediate Assets): Similar to TD/(SF - IA) although excluding the affects of short term loans.

RATIOS

DEFINITIONS

PROFITABILITY		
NPBT/CE	Cd =	Creditors
NPBT/TA	CE =	Capital Employed
NPBT/SF	FA =	Fixed Assets
TP/TO	IA =	Intangible Assets
OP/TO	IP =	Interests Paid
NPBT/TO	LTL =	Long Term Loans
	NPBT =	Net Profit Before Tax
	OP =	Operating Profit
EFFICIENCY	SF =	Shareholders Funds
TO/TA	ST =	Stocks
TO/FA	TA =	Total Assets
TO/ST	TCA =	Total Current Assets
Td/TO x 1/365	TCL =	Total Current Liabilities
Cd/TO x 365	Td =	Trade Debtors
WC/TO	TD =	Total Debts
	TO =	Turnover (Sales)
<u>LIQUIDITY</u>	TP =	Trading Profit
TCA/TCL	WC =	Working Capital
(TCA - ST)/TCL		
<u>GEARING</u>		
TD/(SF - IA)		
SF/(CE + TCL)		
IP/(NPBT - IP)		
TD/WC		
LTL/(SF - IA)		

Table 6. ICC Financial Ratios

The Resultant Model

A four variables model was arrived at which was considered the "best" for our purposes. Subsequent discussions will be restricted to this model. Its structure is as follows:-

$$Z = C_0 + C_1 X_1 + C_2 X_2 + C_3 X_3 + C_4 X_4$$
 Equation 8

Where: -

$$C_0 = 6.540$$

$$C_1 = -7.796$$

$$C_2 = 0.127$$

$$C_3 = -0.010$$

$$C_4 = -0.009$$

The X's are the constituent discriminate variables. A list of these variables and the aspect of company structure that they measure appears in Table 7. It can be seen that the variables measure 4 distinct aspects of the company structure.

The Constituent Variables

This measures the financial risk of a company. Its value appears lower in solvent companies than in failed companies. It indicates the ability of an enterprise to cover its current liabilities through its total assets.

This ratio is often taken as the primary measure of the profit margin for a company and it is expressed as a percentage. Its value appears positive in solvent companies and tends toward the negative in failed companies. Care should be taken in this ratio, for example a higher sales volume may be achieved by lowering prices.

$\underline{X3:} \qquad \frac{\text{Turnover}}{\text{Fixed Assets}}$

It measures the efficiency of a company. Its value appears lower in solvent companies than in failed companies.

X4: Working Capital Turnover

Working Capital divided by sales expressed as a percentage. This should indicate whether, in comparison with previous years or similar companies, the total volume of working capital is too high and the company is over capitalised, at least in this respect. Its value appears lower in solvent companies than in failed companies.

Constituent Variables	<u>Structural Aspect of</u> <u>Ratio</u>
Current Liabilities/Total Assets	Financial Risk
Net Profit Before Tax/Turnover	Profit Margin
Turnover/Fixed Asset	Efficiency
Working Capital/Turnover	Working Capital Position

Table 7. What the constituent ratios are measuring.

The relationship between the ratios

Since interdependencies among the variable affect most multivariate analyses, it is worth examining the correlation matrix of the predictor variables. Table 8 is the pooled within-groups correlation matrix.

"Net Profit Before Tax /Turnover" and Working Capital/Turnover" are extremely correlated with a value of 0.9999, however, the two mentioned ratios measure different aspects of the company as shown in Table 4. Ideally we could probably have replaced these two ratios by a single ratio measuring the relationship between Working Capital and Net Profit Before Tax. Unfortunately no such ratio was included in the analysis initially.

Some previous works, such as Taffler's²⁴, have made restrictions that only ratios measuring distinctly different aspects should be in the same model. The apparent reason for this was that by making these restrictions it reduced the complexity of the model and reduced the likelihood of sample bias being present in the models construction, and Taffler's fears of "collinearity and potential bias".

	CL/TA	NPBT/TO	TO/FA	WC/TO
CL/TA	1			
NPBT/TO	-0.032	1		
TO/FA	-0.031	0.1117	1	
WC/TO	-0.039	0.9999	0.11	1

Table 8. Correlation of the constituent variables.

Interpreting the discriminant function coefficients

The interpretation of the coefficients is similar to that in multiple regression. Since the variables are correlated, it is not possible to assess the importance of an individual variable. The value of the coefficient for a particular variable depends on the other variables included in the function.

²⁴Taffler, R. J. (1983)"The Assessment of Company Solvency and Perfromance Using a Statistical Model", Accounting and Business Research, Autumn, pp.295-307.

It is sometimes tempting to interpret the magnitudes of the coefficients as indicators of the relative importance of variables. Variables with large coefficients are thought to contribute more to the overall discriminant function. However, the magnitude of the coefficients is not a good index of relative importance when the variables differ in the units in which they are measured.

Interpretation of model results

The model produced a diagram of Z scores for the failed and continuing groups as shown in Figure 17. Companies with positive Z scores are classified as solvent and those with negative scores as insolvent. Table 9 is the classification table for the two groups used to form the model.

The success rate of the model is 100% with no misclassifications, P(A) = 1. However, the true test of the model is its performance on independent data. A further four failed and four continuing companies were therefore used as a test group and their classifications were also found to be good (misclassification was not found in the test group). Accounts detail of the test group can be found in Appendix C.



Figure 17. Z-scores of the constructed model

한 요즘 가게 더 같이	Percentage classified by the	Percentage classified by the
	model as failed	model as solvent
Failed group	100	0
Solvent group	0	100

Table 9. Classification of solvent and failed companies with the resultant model (P(A) = 1)

To see how much the two groups overlap and to examine the distribution of the discriminant scores, it is often useful to plot the discriminant function scores for the groups. Figure 10 shows histogram of the scores for each group separately. The row of 0's and 1's below the plot denotes the group to which scores are assigned.



0 = Failed Group

1 = Continuing Group

Table 10. All-groups Stacked Histogram



Figure 18. The path to failure

Prior accounting Vear	Last	-7	- 3	- 4	-5
rior accounting rear	Last	- 2			
1 Alath	-3.18	-0.93	1.12	2.59	2.07
2 Allison	-3 62	-15 15	5 77	4.16	2.56
3 Fairbriar	-2.17	4 5 2	6.98	6.78	6.19
4 Jarvis Bros	-2.61	1 9 9	1.19	1.18	0.75
5 Wessex Retmt	-3.5	2.93	1.17	0.77	
6 Chelmsford	-2.27	0.82	-1.94	1.45	-2.04
7 Fadley & Son	-2.61	1.12	4.59	2	-0.59
8 Standen Homes	-2.87	0.51	3.05	4.14	2.86
9 Stepney Homes	-3.36	-2.57	0.29	1.02	-1.94
10 D.F. O'Connor	-2.02	-0.38	-0.66	-1.23	0.12
11 A.F. Ward	-0.87	0.67	4.33	3.83	- 1
12 K.B. Benfield	1.68	1.88	4.63	4.45	2.97
13 Brackenlea	1.73	-27.17	-10.18	-4.38	-2.81
14 Davies Holdings	0.83	0.9	2.51	5.51	3.73
15 Deeks & Steere	4.39	3.27	2.76	0.74	-0.32
16 Eden Homes	4.5	-55.04	-24.12	-12.26	-3.4
17 Flower & Hayes	2.93	3.74	3.7	3.79	3.96
18 Heavestow	0.88	-0.22	6.77	6.34	-5.67
19 Jennings Homes	3.17	4.4	4.4	4.25	2.31
20 Moody Homes	3.03	3.76	3.94	7.7	5.87
21 Muir Homes	5.5	4.86	4.14	2.68	1.26
22 D. North Homes	2.74	3.24	4.72	3.84	4.33
23 Orion Develpmt.	3.7	3.87	5.01	2.21	1.69
24 JA Pye Oxford	4.16	5.16	6.46	4.85	2.48
25 Walton Homes	3.34	6.16	4.11	2.57	-6.32
forday				and the second second	
Continuing Companies					
	Last	-2	- 3	- 4	-5
Average Z-Score	3.04	3.42	3.31	3.43	0.72
Maximum Score	-0.87	4.52	6.98	6.78	6.19
Minimum Score	-3.62	-15.15	-1.94	-1.23	-2.04
continuing					
Failed Companies					
	Last	-2	-3	-4	- 5
Average Z-Score	-2.64	-0.59	2.35	2.43	1.11
Maximum Score	5.5	6.16	6.77	7.7	5.87
Minimum Score	0.83	-55.04	-24.12	-12.26	-6.32

Table 11. Z-scores for the Accounting Years Prior to failure

How far in advance of actual failure do firms look in danger? The path to failure can be highlighted by Figure 18, which shows the mean Z scores for the failed companies plotted for the accounting years prior to failure. In comparison the mean Z scores for the solvent set are also shown in both Figure 18 and Table 11. It can be seen that the solvent set continually appears in the "solvent region" and, the failed set stops s/ax/sappearing in the "danger region" 2¹/₄ years prior to failure (the average duration between receiver called-in and the last year account is 12 months in the sample). The results coincide with the UK economic cycle in between 1987 and 1991 (see Figure 3 in Chapter 1) when economic activities peaked in 1988. The results in this report imply that the failed companies' performances relied immensely on the economic performance. Recessions, which force up interest rates and lower turnover, often bring overgeared builders into liquidation.²⁵ As shown in Figure 13, profit margin of housebuilding works depends mainly on factors determining the demand for residential works, ie. economic trends.



Figure 19. Profitability enhancement in the UK construction industry.²⁶

²⁵Ball, M. (1988), Housing and Social Change in Europe and the USA, Routledge, Chapter 5.

²⁶Akintoye, A. & Skitmore, M. (1991), "Profitability of UK construction contractors", Construction Management and Economics, 9, pp. 311-325.

Chapter Five

Conclusions and Recommendations

'Any observed statistical regularity will tend to collapse once pressure is placed upon it for control purposes.' - Goodhart's Law

Conclusions

The main body of the report consists in an exploration of applying multiple discriminant analysis to the UK housebuilding industry. It illustrates the multidimensional nature of conventional financial statements and, in a particular decision situation, the benefits that derive from explicit recognition of this through the adoption of appropriate multivariate tools of analysis.

A UK Housebuilder-based discriminant function, termed a z-model, is derived for the evaluation of company solvency on the basis of published accounting information alone. This exhibits both true predictive ability and clear operational utility on the basis of its performance in the report and, the constructed model's exhibits predictive ability for a period of about 2¹/₄ years. Although the z-model described in this report can predict company failure with considerable accuracy, the model is more appropriately used in practice to highlight potential financial distress.

Profit, once again has been proven to be responsible for company's failure, however, extra care should be taken of the importance of those variables hidden behind the model (i.e. liquidity and company's assets). If variables' performances are a phenomenon in the industry, those variables should not be ignored when individual company's performance is evaluated, otherwise, a very misleading picture can be drawn easily.

The constructed model is not only a useful reference for the housebuilders, but other parties could also find it useful as an analysing tool, i.e. suppliers, financiers and shareholders. Negative z-score signals latent financial problems of a company, such as over capitalised, inefficient output, lower than average profit margin and high financial risk, etc. Once a distressing signal is detected in a company, decision makers of the company and its creditors should investigate in detail, but not to jump into the conclusion that impending failure is unavoidable.

Applications

• <u>Business Loan Evaluation</u>. A fast and efficient device for detecting unfavourable credit risks might enable the loan manager to avoid potentially disastrous decisions. The discriminant Z score index can be used, however, as a guide in

efforts to lower the costs of investigation of loan applicants. Also, the method would be particularly efficient in the case of short-term loans or relatively small loans where the normal credit evaluation process is very costly relative to the expected income from the loan.

• Internal Control Consideration and Investment Criteria. An extremely important, but often very difficult, task of corporate management is to periodically assess honestly the firm's present condition. By doing so, important strengths and weaknesses may be recognised and , in the latter case, changes in policies and actions will usually be in order. The suggestion here is that the discriminant model, if used correctly and periodically, has the ability to predict corporate problems early enough so as to enable management to realise the gravity of the situation in time to avoid failure. If failure is unavoidable, the firm's creditors and stockholders may be better off if a merger with a stronger enterprise is negotiated before bankruptcy.

As mentioned in the previous chapter, the British banking system is notorious for its failure to provide long-term capital to high risk-ventures. This phenomenon not only makes the UK housebuilders become vulnerable, but also, it has a devastating effect on the whole economy. Long-term plannings in the high risk-ventures (e.g. housebuilding) could hardly be achieved due to inflexible borrowing criteria set out by the banking system. Different industries have different financial structures, therefore, adjustments must be taken, in order to, improve individual financial structure in a constructive perspective, the results of Taffler's model has demonstrated this. Contracting and housebuilding are presumably within the same area, however, their financial structures are rather different. A "Multi-purposes z-score model" obviously has advantaged "busy" decision makers, but if it is not monitored properly, potential business could be jeopardised and, vice versa.

Limitations of Z-score Model

The published annual accounts of companies are not designed for economic analysis so such an exercise is fraught with difficulties. The problem is made worse in that an examination of individual companies' performance also is a comparison between companies, and there is every reason to expect that different firms with the same economic performance will report dissimilar accounting results. As Ball (1983)²⁷ commented most companies publish the minimum required by company law. Within that legal framework some firms, wishing to impress shareholders, will try to present a rosy picture of current profit, whereas others will be more intent on avoiding taxation. Any analysis of company accounts, therefore, can give only a rough guide to economic performance, and many interesting issues cannot be explored. Limitations of Z-Score model are summarized as follows:

- Individual financial ratio could well indicate some financial distress of a company, however, during the computation process some ratio is eliminated in which useful information could be hidden and excluded.
- Financial figures can be manipulated easily by individual company who knows best in avoiding taxation in one hand, and hiding financial distress from shareholders on the other.
- Time lag between preparation and publication of an account could delay actions taken for impending insolvency.
- Variables provide valuable information on individual's financial performance and may not be suitable for comparison purpose. Extra care should be taken on individual companies, otherwise, important variables will be misinterpreted as unimportant.

Recommendations and Further developments

No attempt is made in this report to suggest that the results published here are conclusive predictors of company's failure in the UK housebuilding industry. Housebuilders and their financiers could find this report an interesting area in comparing companies' financial performances within the industry. Students and researchers who are interested in this area, are required and suggested to have more research in this area (which is rather limited in this report) in order to strengthen both the discriminating power and reliability of a model. Further developments of the model should concentrate on the area are as follows;

²⁷Ball, M.(1983) Housing Policy and Economic Power, Methuen, pp.43-96.

- <u>Size of sample</u>. In this report 25 companies' accounts are analysed for the constructed model which is rather small, compared with Altman's model with 66 companies' accounts and Taffler's model with 46 companies' accounts. Is bigger the sample, the better? Not necessarily²⁸, however, a bigger sample could allow more desirable cases (accounts with reasonable reliabilities in their information) to be analysed.
- <u>Updating the constructed model</u>. New data should be incorporated with the original observation set and the discriminating function respecified to take account of the additional information(Morrison, 1969²⁹; Joy and Tollefson, 1975³⁰).
- <u>Testing the constructed model</u>. Performances of the continuing companies in the sample should be tested by researchers in the future so as to evaluate the strength of the constructed model.
- <u>Predictive Ability</u>. New research should focus improvement on the duration of warning. As can be seen in the results, the average warning is around 2¹/₄ years before failure. Individual's performance, however, is rather poor compared with the average warning. Longer the duration of warning, better the companies in the position that they can adjust themselves in avoiding impending insolvency.

²⁸Mason, R.D. and Lind (1993), Statistical Techniques in Business and Economics, International Student Edition, Irwin.

²⁹Morrison, D. G. (1969), "On the Interpretation of Discriminant Analysis", Journal of Marketing Research, 6, pp 156-163.

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Appendix A

Failed Companies' Accounts (1987-1991)

ALATH CONSTRUCTION LTD

Date or Accounts	1/31/91	3/31/90	3/31/89	3/31/88	3/31/87	
Number of Weeks	43	52	52	52	52	
	*000	£000	1000	1000	£000	
Turnover (Sales)	4786	5255	10452	4441	2915	
Net Profit Before Tax	-831	-217	1306	855	392	
Interest Paid	1025	1163	848	123	295	
Non Trading Income	34	42	57	23	4	
Operating Profit	160	904	2097	955	683	
Depreciation	37	43	40	21	13	
Trading Profit	197	947	2137	976	696	
Employee Remun.	311	243	344	177	100	
Director Remun.	185	309	418	359	80	
No. of Employees	13	12	15	11	/	
Fixed Assets	456	463	449	426	400	
Intangible Assets	0		0	-20	0	
Intermediate Assets	Ő	Ő	0	27	0	
Total	456	463	449	453	400	
<u></u>						
Stocks Trade Dabters	5724	7062	7909	6796	3860	
Trade Debiors	3	1	1	10	5	
Outer Current Assets	2924	1/31	/31	193	/3	
Total Current Assets	8651	8794	8641	6999	3940	
Total Assets	9107	9257	9090	7452	4340	
Less:						
Creditors	406	393	417	307	182	
Short term Loans	7327	6537	5717	4904	2896	
Other current Liabl.	887	1013	1678	567	205	
Total Current Liabl	8620	7943	7812	5778	3283	
Net Avente	487	1214	1012	1674	1057	
Net Assets	48/	1314	12/8	16/4	1057	
Shareholders Funds	156	987	1203	1545	1057	
Long Term Loans	331	327	75	129	0	
Other Long Term Liabl.	0	0	0	0	0	

Capital Employed	487	1314	1278	1674	1057	
Reserve	156	987	1203	1518	1057	
Rate of Return						
Return on Capital	-206.4	-16.5	102.2	51.1	37.1	
Return on Assets	-11.0	-2.3	14.4	11.5	9.0	
Return on Shrhidrs Fund	-644.2	-22.0	108.6	55.3	37.1	
Profit Margins						
Trading Profit Margin	4.1	18.0	20.4	22.0	23.9	
Operating Profit Margin	3.3	17.2	20.1	21.5	23.4	
Pre Tax Profit Margin	-17.4	-4.1	12.5	19.3	13.4	
Turnover Ratios						
Asset Utilisation	63.6	56.8	115.0	59.6	67.2	
Sales/Fixed Assets	12.7	11.3	23.3	10.4	7.3	
Sales/Stocks	0.8	0.7	1.3	0.7	0.8	
Creativism Datio	0	0	0	1	1	
Ureditors Ratio	25.6	27.3	14.6	25.2	22.8	
WOLKING Cap./ Sales	0.5	10.2	1.9	21.5	22.3	
Liquidity Ratio						
Liquidity	1.0	1.1	1.1	1.2	1.2	
Quick Ratio	0.3	0.2	0.1	0.0	0.0	
Gearing Ratio						
Borrowing Ratio	4909.0	695.4	481.5	325.8	274.0	
Equity Gearing	0.0	0.1	0.1	0.2	0.2	
Income Gearing	528.4	122.9	39.4	12.6	42.9	
Debt Gearing	247.0	8.1 44 1	7.0	4.1 X 4	4.4	
	L1 L.L	33.1	0.2	0.5	0.0	

ALLISON (CONTRACTOR LTD

Date or Accounts	3/31/91	3/31/90	3/31/89	3/31/88	3/31/87	
Number of Weeks	52	52	52	52	52	
	0003	£000	£000	0003	£000	
Turnover (Sales)	1719	1734	7748	3982	7064	
Net Profit Before Tax	-356	-1902	2341	1055	1146	
Interest Paid	538	5/7	15	39	310	
Non I rading income	374	182	0	8	0	
Operating Profit	-192	-1507	2356	1086	1456	
Depreciation	62	70	63	38	51	
I rading Profit	-130	-1437	2419	1124	1507	
Employee Remun.	227	407	550	326	284	
Director Remun.	41	100	119	>> 20	32	
No. of Employees	21	38	43	30	29	
Tined Aceste	286	240	246	280	222	
Fixed Assets	286	349	345	280	233	
Intangole Assets	0	0	0	0	0	
Intermediate Assets	0					••••••
Total	286	349	345	280	233	
Stocks	2534	5268	3477	3129	3120	
Trade Debtors	0	0	0	328	302	
Other Current Assets	11281	9874	10686	2731	3178	
Total Current Assets	13815	15142	14163	6188	6600	
Total Assets	14101	15491	14508	6468	6833	
				<u> </u>		
Less:						
Creditors	249	147	485	607	339	
Short term Loans	7541	8365	3138	2606	3082	
Other current Liabl.	356	720	2886	1084	1410	
Total Current Links	9146	0222	(600	4207	4921	
	8140	9232	5009	4297	4831	
Net Assets	5955	6259	7999	2171	2002	
Shareholders Funde	5967	6167	7901	2049	1909	
Long Term Loons	90	97	901	2049	1878	
Other Long Term Liabl	9	5	11	44	15	
Sale Long rom Euch						•••••
Capital Employed	5957	6259	7999	2171	2002	
D	C0//	(1)((0021	2040	1907	
Keserve	5800	0100	8031	2048	1897	
Rate of Return						
Return on Capital	-6.0	-30.4	29.3	48.6	57.2	
Return on Assets	-2.5	-12.3	16.1	16.3	16.8	
Return on Shrhldrs Fund	-6.1	-30.8	29.6	51.5	60.4	
Profit Margins						
Trading Profit Margin	-7.6	-82.9	31.2	28.2	21.3	
Operating Profit Margin	-11.2	-86.9	30.4	27.3	20.6	
Pre Tax Profit Margin	-20.7	-109.7	30.2	26.5	16.2	
Turnover Ratios						
Asset Utilisation	12.2	11.2	53.4	61.6	103.4	
Sales/Fixed Assets	6.0	5.0	22.5	14.2	30.3	
Sales/Stocks	0.7	0.3	2.2	1.3	2.3	
Credit Period	0	0	0	30	16	
Creditiors Ratio	52.9	30.9	22.8	55.6	17.5	
Working Cap./Sales	329.8	340.8	98.8	47.5	25.0	
Liquidity Datia						
Liquidity Liquidity	17	17		14	1.4	
Duick Ratio	1.7	1.6 1.1	2.2 1.6	1.4 0.7	1.4 0.7	
×	1. F	1.1	1.0	0.7	0.7	
Gearing Ratio		107.1		101.0	1/7 1	
Borrowing Ratio	130.1	137.1	40.8	131.0	167.1	
Equity Gearing	0.4	0.4	0.5	0.3	0.3	
income Gearing		·~ ·	~ ~	~ ~	21.2	
Total Dabt/Work Can	295.6	-43.5	0.6	3.6	21.3	
Total Debt/Work. Cap.	295.6 1.3	-43.5 1.4	0.6 0.4	3.6 1.4	21.3 1.8	

FAIRBRIAR HOMES LTD

Date or Accounts	3/31/91	3/31/90	3/31/89	3/31/88	3/31/87	
Number of Weeks	52	52	52	52	52	
	#UUU	TOOOT	2000	£000	1000	
Turnover (Sales)	12728	14816	12528	14335	11493	
Net Profit Before Tax	-4803	2470	4438	6037	4586	
Interest Paid	2551	3354	1683	464	336	
Non Trading Income	14	2	43	12	12	
Operating Profit	-2266	5822	6078	6489	4910	
Depreciation	68	72	66	48	30	
Trading Profit	-2198	5894	6144	6537	4940	
Employee Remun.	1066	906	711	535	370	
Director Remun.	-	30	26	23	15	
No. of Employees	56	64	62	54	37	
Fixed Assets	4931	747	755	351	600	
Intangible Assets	0	0	0	0	0	
Intermediate Assets	17791	24629	17683	3058	1	
Tetel	00800	25274	10.120	2400	(0)	
l otal	22722	25376	18438	3409	601	
Stocks	14425	21726	24305	15100	12784	
Trade Debtors	429	585	0	0	0	
Other Current Assets	280	1958	595	1325	2015	
Total Current Acests	10137	24250	24000	16426	14700	
Total Current Assets	15134	24269	24900	16425	14/99	
i otai Assets	37856	49645	43338	19834	15400	
Less:						
Creditors	1095	1414	2013	1370	793	
Short term Loans	21609	21251	11241	7332	6877	
Other current Liabl.	2134	2882	6247	2394	1835	
			•••••••			
Total Current Liabl.	24838	25547	19501	11096	9505	
Net Assets	13018	24098	23837	8738	5895	
Shareholders Funde	12010	22200	10224	2729	5804	
Long Term Loans	13018	1800	17004	٥ <i>١</i> ٥٥ ١	0	
Other Long Term Liabl.	0	0	0	ő	ŏ	
-						
Capital Employed	13018	24098	23837	8738	5895	
	12010	22200	10994	9729	5905	
	13010	44470	17004	0 / 3 0	J47J	
Rate of Return						
Return on Capital					a	
	-36.9	10.2	18.6	69.1	77.8	
Return on Assets Deturn on Shehldre Fued	-36.9 -12.7	10.2 5.0	18.6 10.2	69.1 30.4	77.8 29.8	
Return on Assets Return on Shrhidrs Fund	-36.9 -12.7 -36.9	10.2 5.0 11.1	18.6 10.2 22.3	69.1 30.4 69.1	77.8 29.8 77.8	
Return on Assets Return on Shrhldrs Fund Profit Margins	-36.9 -12.7 -36.9	10.2 5.0 11.1	18.6 10.2 22.3	69.1 30.4 69.1	77.8 29.8 77.8	
Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin	-36.9 -12.7 -36.9 -17.3	10.2 5.0 11.1 39.8	18.6 10.2 22.3 49.0	69.1 30.4 69.1 45.6	77.8 29.8 77.8 43.0	
Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin	-36.9 -12.7 -36.9 -17.3 -17.8	10.2 5.0 11.1 39.8 39.3	18.6 10.2 22.3 49.0 48.5	69.1 30.4 69.1 45.6 45.3	77.8 29.8 77.8 43.0 42.7	
Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin	-36.9 -12.7 -36.9 -17.3 -17.8 -37.7	10.2 5.0 11.1 39.8 39.3 16.7	18.6 10.2 22.3 49.0 48.5 35.4	69.1 30.4 69.1 45.6 45.3 42.1	77.8 29.8 77.8 43.0 42.7 39.9	
Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios	-36.9 -12.7 -36.9 -17.3 -17.8 -37.7	10.2 5.0 11.1 39.8 39.3 16.7	18.6 10.2 22.3 49.0 48.5 35.4	69.1 30.4 69.1 45.6 45.3 42.1	77.8 29.8 77.8 43.0 42.7 39.9	
Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation	-36.9 -12.7 -36.9 -17.3 -17.8 -37.7	10.2 5.0 11.1 39.8 39.3 16.7 29.8	18.6 10.2 22.3 49.0 48.5 35.4 28.9	69.1 30.4 69.1 45.6 45.3 42.1	77.8 29.8 77.8 43.0 42.7 39.9 74.6	
Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets	-36.9 -12.7 -36.9 -17.3 -17.8 -37.7 33.6 2.6	10.2 5.0 11.1 39.8 39.3 16.7 29.8 19.8	18.6 10.2 22.3 49.0 48.5 35.4 28.9 16.6	69.1 30.4 69.1 45.6 45.3 42.1 72.3 40.8	77.8 29.8 77.8 43.0 42.7 39.9 74.6 19.2	
Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks	-36.9 -12.7 -36.9 -17.3 -17.8 -37.7 33.6 2.6 0.9	10.2 5.0 11.1 39.8 39.3 16.7 29.8 19.8 0.7	18.6 10.2 22.3 49.0 48.5 35.4 28.9 16.6 0.5	69.1 30.4 69.1 45.6 45.3 42.1 72.3 40.8 0.9	77.8 29.8 77.8 43.0 42.7 39.9 74.6 19.2 0.9	
Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period	-36.9 -12.7 -36.9 -17.3 -17.8 -37.7 33.6 2.6 0.9 12	10.2 5.0 11.1 39.8 39.3 16.7 29.8 19.8 0.7 14	18.6 10.2 22.3 49.0 48.5 35.4 28.9 16.6 0.5 0	69.1 30.4 69.1 45.6 45.3 42.1 72.3 40.8 0.9 0	77.8 29.8 77.8 43.0 42.7 39.9 74.6 19.2 0.9 0	
Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Creditiors Ratio	-36.9 -12.7 -36.9 -17.3 -17.8 -37.7 33.6 2.6 0.9 12 31.4	10.2 5.0 11.1 39.8 39.3 16.7 29.8 19.8 0.7 14 34.8	18.6 10.2 22.3 49.0 48.5 35.4 28.9 16.6 0.5 0 58.6	69.1 30.4 69.1 45.6 45.3 42.1 72.3 40.8 0.9 0 34.9	77.8 29.8 77.8 43.0 42.7 39.9 74.6 19.2 0.9 0 25.2	
Return on Assets Return on Shrhldrs Fund Profit Margins Operating Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Creditiors Ratio Working Cap./Sales	-36.9 -12.7 -36.9 -17.3 -17.8 -37.7 33.6 2.6 0.9 12 31.4 -76.2	10.2 5.0 11.1 39.8 39.3 16.7 29.8 19.8 0.7 14 34.8 -8.6	18.6 10.2 22.3 49.0 48.5 35.4 28.9 16.6 0.5 0 58.6 43.1	69.1 30.4 69.1 45.6 45.3 42.1 72.3 40.8 0.9 0 34.9 37.2	77.8 29.8 77.8 43.0 42.7 39.9 74.6 19.2 0.9 0 25.2 46.1	
Return on Assets Return on Shrhldrs Fund Profit Margins Operating Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Creditiors Ratio Working Cap./Sales	-36.9 -12.7 -36.9 -17.3 -17.8 -37.7 33.6 2.6 0.9 12 31.4 -76.2	10.2 5.0 11.1 39.8 39.3 16.7 29.8 19.8 0.7 14 34.8 -8.6	18.6 10.2 22.3 49.0 48.5 35.4 28.9 16.6 0.5 0 58.6 43.1	69.1 30.4 69.1 45.6 45.3 42.1 72.3 40.8 0.9 0 34.9 37.2	77.8 29.8 77.8 43.0 42.7 39.9 74.6 19.2 0.9 0 25.2 46.1	
Return on Assets Return on Shrhldrs Fund Profit Margins Operating Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Creditions Ratio Working Cap./Sales Liquidity Ratio Liquidity Catio	-36.9 -12.7 -36.9 -17.3 -17.8 -37.7 33.6 2.6 0.9 12 31.4 -76.2	10.2 5.0 11.1 39.8 39.3 16.7 29.8 19.8 0.7 14 34.8 -8.6	18.6 10.2 22.3 49.0 48.5 35.4 28.9 16.6 0.5 0 58.6 43.1	69.1 30.4 69.1 45.6 45.3 42.1 72.3 40.8 0.9 0 34.9 37.2	77.8 29.8 77.8 43.0 42.7 39.9 74.6 19.2 0.9 0 25.2 46.1	
Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Crediti Period Creditiors Ratio Working Cap./Sales Liquidity Ratio Liquidity Ratio	-36.9 -12.7 -36.9 -17.3 -17.8 -37.7 33.6 2.6 0.9 12 31.4 -76.2 0.6 0.0	10.2 5.0 11.1 39.8 39.3 16.7 29.8 19.8 0.7 14 34.8 -8.6 0.9 0.1	18.6 10.2 22.3 49.0 48.5 35.4 28.9 16.6 0.5 0 58.6 43.1	69.1 30.4 69.1 45.6 45.3 42.1 72.3 40.8 0.9 0 34.9 37.2 1.5 0.1	77.8 29.8 77.8 43.0 42.7 39.9 74.6 19.2 0.9 0 25.2 46.1 1.6 0.2	
Return on Assets Return on Shrhldrs Fund Profit Margins Operating Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Crediti Period Creditions Ratio Working Cap./Sales Liquidity Ratio Liquidity Ratio	-36.9 -12.7 -36.9 -17.3 -17.8 -37.7 33.6 2.6 0.9 12 31.4 -76.2 0.6 0.0	10.2 5.0 11.1 39.8 39.3 16.7 29.8 19.8 0.7 14 34.8 -8.6 0.9 0.1	18.6 10.2 22.3 49.0 48.5 35.4 28.9 16.6 0.5 0 58.6 43.1 1.3 0.0	69.1 30.4 69.1 45.6 45.3 42.1 72.3 40.8 0.9 0 34.9 37.2 1.5 0.1	77.8 29.8 77.8 43.0 42.7 39.9 74.6 19.2 0.9 0 25.2 46.1 1.6 0.2	
Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Creditions Ratio Working Cap./Sales Liquidity Ratio Liquidity Ratio Gearing Ratio	-36.9 -12.7 -36.9 -17.3 -17.8 -37.7 33.6 2.6 0.9 12 31.4 -76.2 0.6 0.0	10.2 5.0 11.1 39.8 39.3 16.7 29.8 19.8 0.7 14 34.8 -8.6 0.9 0.1	18.6 10.2 22.3 49.0 48.5 35.4 28.9 16.6 0.5 0 58.6 43.1 1.3 0.0	69.1 30.4 69.1 45.6 45.3 42.1 72.3 40.8 0.9 0 34.9 37.2 1.5 0.1	77.8 29.8 77.8 43.0 42.7 39.9 74.6 19.2 0.9 0 25.2 46.1 1.6 0.2	
Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Creditiors Ratio Working Cap./Sales Liquidity Ratio Liquidity Ratio Gearing Ratio Borrowing Ratio	-36.9 -12.7 -36.9 -17.3 -17.8 -37.7 33.6 2.6 0.9 12 31.4 -76.2 0.6 0.0 166.0	10.2 5.0 11.1 39.8 39.3 16.7 29.8 19.8 0.7 14 34.8 -8.6 0.9 0.1 103.4	18.6 10.2 22.3 49.0 48.5 35.4 28.9 16.6 0.5 0 58.6 43.1 1.3 0.0 76.4	69.1 30.4 69.1 45.6 45.3 42.1 72.3 40.8 0.9 0 34.9 37.2 1.5 0.1 83.9	77.8 29.8 77.8 43.0 42.7 39.9 74.6 19.2 0.9 0 25.2 46.1 1.6 0.2	
Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Creditiors Ratio Working Cap./Sales Liquidity Ratio Liquidity Quick Ratio Gearing Ratio Borrowing Ratio Equity Gearing	-36.9 -12.7 -36.9 -17.3 -17.8 -37.7 33.6 2.6 0.9 12 31.4 -76.2 0.6 0.0 166.0 0.3	10.2 5.0 11.1 39.8 39.3 16.7 29.8 19.8 0.7 14 34.8 -8.6 0.9 0.1 103.4 0.4	18.6 10.2 22.3 49.0 48.5 35.4 28.9 16.6 0.5 0 58.6 43.1 1.3 0.0 76.4 0.5	69.1 30.4 69.1 45.6 45.3 42.1 72.3 40.8 0.9 0 34.9 37.2 1.5 0.1 83.9 0.4 7	77.8 29.8 77.8 43.0 42.7 39.9 74.6 19.2 0.9 0 25.2 46.1 1.6 0.2 116.7 0.4	
Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Creditiors Ratio Working Cap./Sales Liquidity Ratio Liquidity Quick Ratio Gearing Ratio Borrowing Ratio Equity Gearing Income Gearing	-36.9 -12.7 -36.9 -17.3 -17.8 -37.7 33.6 2.6 0.9 12 31.4 -76.2 0.6 0.0 166.0 0.3 -113.3 -22	10.2 5.0 11.1 39.8 39.3 16.7 29.8 19.8 0.7 14 34.8 -8.6 0.9 0.1 103.4 0.4 57.6	18.6 10.2 22.3 49.0 48.5 35.4 28.9 16.6 0.5 0 58.6 43.1 1.3 0.0 76.4 0.5 27.5	69.1 30.4 69.1 45.6 45.3 42.1 72.3 40.8 0.9 0 34.9 37.2 1.5 0.1 83.9 0.4 7.1	77.8 29.8 77.8 43.0 42.7 39.9 74.6 19.2 0.9 0 25.2 46.1 1.6 0.2 116.7 0.4 6.8	
Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Creditiors Ratio Working Cap./Sales Liquidity Ratio Liquidity Ratio Equity Gearing Borrowing Ratio Equity Gearing Income Gearing Total Debt/Work. Cap. Debt Gearng	-36.9 -12.7 -36.9 -17.3 -17.8 -37.7 33.6 2.6 0.9 12 31.4 -76.2 0.6 0.0 166.0 0.3 -113.3 -2.2 0.0	10.2 5.0 11.1 39.8 39.3 16.7 29.8 19.8 0.7 14 34.8 -8.6 0.9 0.1 103.4 0.4 57.6 -18.0 8.1	18.6 10.2 22.3 49.0 48.5 35.4 28.9 16.6 0.5 0 58.6 43.1 1.3 0.0 76.4 0.5 27.5 27.5 2.8 19.9	69.1 30.4 69.1 45.6 45.3 42.1 72.3 40.8 0.9 0 34.9 37.2 1.5 0.1 83.9 0.4 7.1 1.4 0.0	77.8 29.8 77.8 43.0 42.7 39.9 74.6 19.2 0.9 0 25.2 46.1 1.6 0.2 116.7 0.4 6.8 1.3 0.0	

APPENDIX A

JARVIS BROTHERS & BREWSTER (CONSTRUCTION) LTD

Date or Accounts	3/31/91	3/31/90	3/31/89	3/31/88	3/31/87	
Number of Weeks	52	52	52	52	52	
	1000	£000£	£000	£000	£000	
— (0.1.)				1 12 20		
Turnover (Sales)	2040	/233	11154	142/8	11544	
Net Prolit Belore 1ax	-465	-1231	2/1	1447	993	
Interest Paid	1	5	20	11	1	
Non Trading Income	23	49	29	25	16	
Operating Profit	-487	-1257	249	1433	978	
Depreciation	0	0	125	34	35	
Trading Profit	-487	-1257	374	1467	1013	
Employee Remun.	20	115	432	432	457	
Director Remun.	20	25	52	24	23	
No. of Employees	1	6	35	43	51	
Fixed Assets	0	0	174	328	260	
Intangible Assets	0	0	0	0	0	
Intermediate Assets	0	0	0	0	0	
Total	0	0	174	328	260	
						······································
Stocks	464	2333	10134	16746	14818	
Trade Debtors	0	0	408	0	0	
Other Current Assets	578	376	364	1125	1555	
Total Current Assets	1042	2709	10906	17871	16373	
Total Assets	1042	2709	11080	18199	16633	
Less:						
Creditors	308	265	400	760	448	
Short term Loans	367	286	5974	12082	12064	
Other current Liabl.	28	12	261	1069	702	
				•••••••••••••••••••••••••••••	••••••••••••••••••••••••••••••	
Total Current Liabl.	703	563	6635	13911	13214	
Net Assets	339	2146	4445	4288	3419	
		· · · · · · · · · · · · · · · · · · ·				
Shareholders Funds	339	2146	4445	4288	3419	
Long Term Loans	0	0	0	0	0	
Other Long Term Liabl.	0	0	0	0	0	
	•••••••••••••••••••••••••••••••••••••••					
Capital Employed	339	2146	4445	4288	3419	
Reserve	339	2146	4445	37	3419	
Rate of Return						
Return on Capital	-137.2	-57.4	6.1	33.7	29.0	
Return on Assets	-44.6	-45.4	2.4	8.0	6.0	
Return on Shrhldrs Fund	-137.2	-57.4	6.1	33.7	29.0	
Profit Margins						
Trading Profit Margin	-23.9	-17.4	3.4	10.3	8.8	
Operating Profit Margin	-23.9	-17.4	2.2	10.0	8.5	
Pre Tax Profit Margin	-22.8	-17.0	2.4	10.1	8.6	
Turnover Ratios						
Asset Utilisation	195 8	267.0	100.7	78 5	69 4	
Sales/Fixed Assets	\$ <u>4</u> 7*	50.0*	64 1	43 5	44 4	
Sales/Stocks	A 4	31	11	0.9	0.8	
Credit Period	4.4 0	0	13	0	0.0	
Creditiors Ratio	55.1	13 4	13.1	194	14.2	
Working Cap./Sales	16.6	29 7	38.3	27.7	27.4	
	10.0	2.2.1	50.5	21	27.4	
Liquidity Ratio						
Liquidity	1.5	4.8	1.6	1.3	1.2	
Quick Ratio	0.8	0.7	0.1	0.1	0.1	
Cearing Ratio						
Borrowing Patio	1/10.2	12.2	124 4	201 0	262.0	
Equity Georing	108.3	13.3	134.4	261.8	332.9	
Income Gearing	0.3	0.8	0.4	0.2	0.2	
	A 3	A 4	2.6	A 9	A 1	
Total Debt/Work Can	-0.2	-0.4	2.5	0.8	0.1	
Total Debt/Work. Cap.	-0.2 1.1	-0.4	2.5 1.4	0.8 3.1	0.1	

*Average

WESSEX RETIREMENT HOMES LTD

Date or Accounts	3/31/90	3/31/89	3/31/88	3/31/87	
Number of Weeks	52	52	52	52	
	£000£	£000	£000	£000	
Turnover (Sales)	1045	2055	1377	1789	
Net Profit Before Tax	-216	480	53	45	
Interest Paid	7	7	54	101	
Non Trading Income	48	51	5	0	
Operating Profit	-257	436	102	146	
Depreciation	31	18	12	10	
Findovec Remun	-228	434	114	120	
Director Remun.	51	58	40	70	
No. of Employees	44	22	12	10	
Fixed Assets	66	51	29	18	
Intangible Assets	0	0	0	0	
Intermediate Assets	0	0	0	0	
Total	66	51	29	18	
Stocks	4562	2559	1061	719	
Trade Debtors	16	8	0	193	
Other Current Assets	151	425	148		
Total Current Assets	4729	2992	1209	928	
Total Assets	4795	3043	1238	946	
Less:					
Creditors	34	59	36	29	
Short term Loans Other current Liabl	3896	1897	647	549	
	237		151		
Total Current Liabl.	4167	2289	814	598	
Net Assets	628	754	424	348	
Shareholders Funds	615	754	418	342	
Long Term Loans	13	0	6	6	
Other Long Term Liabl.	0	0	0	0	
	628	/54	424	348	
Reserve	615	754	418	342	
Rate of Return					
Return on Capital	-34.4	63.7	12.5	12.9	
Return on Assets	-4.5	15.8	4.3	4.8	
Return on Shrhldrs Fund	-35.1	63.7	12.7	13.2	
Profit Margins					
Trading Profit Margin	-21.6	22.1	8.3	8.7	
Operating Profit Margin Pre Tay Profit Margin	-24.6	21.2	7.4	8.2	
FIG FAX FTOIL MATEIN	-20.7	23.4	3.8	2.5	
Turnover Ratios					
Asset Utilisation	21.8	67.5	111.2	189.1	
Sales/Stocks	15.8	40.3	47.5	99.4 2 <	
Credit Period	0.2	0.0	1.5	2.5	
Creditiors Ratio	11.9	10.5	9.5	5.9	
Working Cap./Sales	53.8	34.2	28.7	18.4	
Liquidity Ratio					
Liquidity	1.1	1.3	1.5	1.6	
Quick Ratio	0.0	0.2	0.2	0.3	
Gearing Ratio					
Borrowing Ratio	635.6	251.6	156.2	162.3	
Equity Ucaring	0.1	0.2	0.3	0.4	
Total Debt/Work Cap.	-3.3 70	1.4	50.5	09.2 17	
	7.0	2.7	1.7	1.7	

CHELMSFORD DEVELOPMENT LTD

Data on Assounts	(20/01	6/20/00	6/20/20	6/20/00	6/20/97	
Date of Accounts Number of Weeks	6/30/91 52	6/30/90 52	6/30/89 52	52	52	
	0003	£000£	£000	£000	£000	
Turnover (Sales)	7040	11632	9783	8879	4986	
Net Profit Before Tax	-675	519	-1425	488	472	
Interest Paid	797	1513	1142	326	103	
Non Trading Income	2	0	2	3	5	
Operating Profit	120	2032	-285	811	570	
Depreciation	87	112	121	85	18	
I rading Profit	207	2144	-164	896	588	
Director Remun	309	303 78	50	400	117	
No. of Employees	31	45	45	32	1	
Fixed Assets	73	2003	1873	511	18	
Intangible Assets	0	0	0	0	0	
Intermediate Assets		155	1850	1850		
Total	73	2156	3723	2361	18	<u>.</u>
Stocks	4474	7015	9529	7786	4847	
Trade Debtors Other Current Assets	0 256	0 304	0	0 262	0 145	
Union Curtonii Assous	200	304	512	030	143	
Total Current Assets	4730	7319	9841	8422	4992	
Total Assets	4803	9475	13564	10783	5010	
Less:						
Creditors	286	404	423	670	1010	
Short term Loans	3616	6999	11219	6291	2377	
Other current Liabi.	127	189	118	692	1054	
Total Current Liabl.	4029	7592	11760	7653	4441	
Net Assets	774	1883	1804	3130	569	
Shareholders Funds	-8	1036	967	1616	560	
Long Term Loans	782	847	837	1514	9	
Other Long Term Liabl.	0	0	0	0	0	
Capital Employed	774	1883	1804	3130	569	
Reserve	-882	163	1203	743	535	
Rate of Return						
Return on Capital	-87.2	27.6	-79.0	15.6	83.0	
Return on Assets	-14.1	5.5	-10.5	4.5	9.4	
inclim on shirtigers rund	8437.5	50.1	~14/.4	30.2	84.3	
Profit Margins		10 -		•••		
Derating Profit Margin	2.9	18.4	-1.7	10.1	11.8	
Pre Tax Profit Margin	1.7 -9.6	4.5	-14.6	5.5	9.5	
Turnover Ratios						
Asset Utilisation	146.6	122.8	72.1	82.3	99.5	
Sales/Fixed Assets	96.4	5.8	5.2	17.4	277.0	
Sales/Stocks	1.6	1.7	1.0	1.1	1.0	
Credit Period	0	0	0	0	0	
Creditions Ratio Working Can /Sales	14.8	12.7	15.8 _19.6	27.5	73.9	
TOTALE Cap. (Sales	10.0	-2.3	-17.0	ð. /	11.1	
Liquidity Ratio Liquidity	10	1.0	A 9	11	1 1	
Quick Ratio	0.1	0.0	0.8	0.1	0.0	
Gearing Ratio						
Borrowing Ratio	-54975.0	757.3	1246.7	483.0	426.1	
Equity Gearing	0.0	0.1	0.1	0.1	0.1	
Income Gearing	653.3	74.5	-403.5	40.0	17.9	
Total Debt/Work. Cap.	6.3	-28.7	-6.3	10.1	4.3	
Debt Gearing	-9775.0	81.8	86.6	93.7	1.6	

FRADLEY & SON LTD

Data or Assounts	6/20/01	6/20/00	6/30/80	6/20/88	6/20/97	
Number of Weeks	52	52	43	52	52	
	000	£000£	t 000	£000	£000	
Turnover (Sales)	7088	17451	9005	6690	9560	
Net Profit Before Tax	-2049	-58	849	-159	-1350	
Interest Paid	1452	1291	746	462	579	
Non Trading Income	9	7	18	5	17	
Operating Profit	-607	1226	1577	298	-788	
Depreciation	106	85	85	95	60	
Trading Profit	-501	1311	1662	393	-728	
Employee Remun.	775	930	629	616	521	
Director Remun.	360	531	249	380	331	
No. of Employees	47	56	48	33	27	
Fixed Assets	424	492	469	441	239	
Intangible Assets	0	0	0	0	0	
Intermediate Assets	0	275	0	0	0	
Total	424	767	469	441	239	
Stocks	9610	10932	10887	10490	6170	
Trade Debtors	1211	4532	37	868	2415	
Other Current Assets	171	292	352	1160	107	
Total Current Assets	10992	15756	11276	12518	8692	
Total Assets	11416	16523	11745	12959	8931	
Less:	1500	0050	1641	1002	820	
Creditors	1502	2352	1541	1883	830	
Other current Liabl.	4270	1521	1210	1558	1397	
Total Current Liabl.	7049	9926	3421	5135	5289	
Net Assets	4367	6597	8324	7824	3642	
Sharahaldam Funda	640	1006	1160	620	1022	
Long Term Long	-049	5580	6782	6820	2474	
Other Long Term Liabl.	3	2	384	384	135	
Capital Employed	4367	6597	8324	7824	3642	
Reserve	-665	990	1143	610	1024	
Rate of Return						
Return on Capital	-46.9	-0.9	12.3	-2.0	-37.1	
Return on Assets	-17.9	-0.4	8.7	-1.2	-15.1	
Return on Standars Fund	313.7	-3.8	88./	-25.0	-130.7	
Profit Margins				~ ~		
I rading Profit Margin	-7.1	10.5	18.5	5.9	-7.6	
Pre Tax Profit Margin	-28.9	-0.5	9.4	-2.4	-14.1	
Turnover Ratios						
Asset Utilisation	62.1	75.4	92.7	51.6	107.0	
Sales/Fixed Assets	16.7	25.3	23.2	15.2	40.0	
Sales/Stocks	0.7	1.1	1.0	0.6	1.5	
Credit Period	62	133	1	47	92	
Creditiors Ratio	77.3	68.9	51.7	102.7	31.7	
Working Cap./Sales	55.6	46.8	72.1	110.4	35.6	
Liquidity Ratio	17	14	2.2	24	16	
Quick Ratio	0.2	0.5	5.5 0.1	0.4	0.5	
Gearing Ratio						
Borrowing Ratio	~1430.4	1157.3	643.5	1373.2	535.9	
Equity Gearing	-0.1	0.1	0.1	0.0	0.1	
Income Gearing	-243.2	104.7	46.8	152.5	-75.1	
Total Debt/Work. Cap.	2.4	2.0	0.9	1.2	1.6	
Debt Gearing	-772.4	555.6	585.7	1100.0	239.5	

STANDEN HOMES LTD

Date or Accounts	12/31/01	12/31/90	12/31/89	3/31/88	3/31/97
Number of Weeks	52	52	39	52	52
	0001	£000	t000	£000£	£000
`urnover (Sales)	11292	12430	12264	11686	8349
Net Profit Before Tax	-2245	-24	2743	1383	779
nterest Paid	2442	2398	1043	483	304
on Trading Income	5	87	153	11	28
perating Profit	192	2287	3633	1855	1055
epreciation	32	117	128	146	129
rading Profit	224	2404	3761	2001	1184
mployee Remun.	1122	1290	831	833	853
irector Remun.	164	182	55	189	240
o. of Employees	94	110	120	120	104
xed Assets	258	290	1131	906	712
tangible Assets	0	0	0	0	0
termediate Assets	144	218	442	0	0
otal	402	508	1573	906	712
tocks	17580	16136	16337	7202	7426
rade Debtors	1719	1221	5562	406	978
ther Current Assets	1775	2252	5158	746	905
atal Current Assets	21074	10400	27057	8258	0300
otal Assets	21074	20117	28630	9260	10021
		2011/	*3057	/200	10021
ess: reditors	1518	1504	3588	1921	1274
Icunors hort term Losne	1018	1394	10915	1721	12/4
ther current Liabl.	3518	5536	7195	815	3263 1056
otal Current Liabl.	16841	13188	21598	4089	5593
et Assets	4635	6929	7032	5171	4428
narcholders Funds	4629	6892	7006	4140	3090
ong Term Loans	6	37	26	1002	1282
ther Long Term Liabl.	0	0	0	29	56
apital Employed	4635	6929	7032	5171	4428
	6841	6842	6956	4090	3040
ate of Return					
eturn on Capital	-48.4	-0.3	52.0	26.7	17.6
eturn on Assets	-10.5	-0.1	12.8	14.9	7.8
sturn on Shrhldrs Fund	-48.5	-0.3	52.2	33.4	25.2
rofit Margins				. –	
rading Profit Margin	2.0	19.3	30.7	17.1	14.2
peratung Profit Margin re Tax Profit Margin	1.7 -19.9	18.4 -0.2	29.6 22.4	15.9 11.8	12.6 9.3
urnover Datios					
urnover Rauos seet I libisation	57.6	£1 8	57 1	126.2	83.3
ales/Fixed Accete	J2.0 12 0	42.0	37.1	120.2	03.3 11 7
alee/Stocke	43.6 0.4	42.7 0.9	14.5	14.7	11.7
redit Period	54	0.0 36	1.0	13	1.1
reditions Ratio	40.1	46.9	80 I	60.0	43
orking Cap./Sales	37.5	51.7	33.4	36.5	44.5
auiditu Datia	05			5015	
quiany Katio avidity	1.2	1.6	1 2	2.0	17
uick Ratio	0.2	0.3	0.5	0.3	0.3
earing Ratio					
orrowing Ratio	255.2	88.4	154.7	56.9	147.1
quity Gearing	0.2	0.3	0.2	0.4	0.3
come Gearing	1239.6	101.0	27.5	25.9	28.1
otal Debt/Work. Cap.	2.8	0.9	2.0	0.6	1.2
ebt Gearing	0.1	0.5	0.4	24.2	41.5

STEPNEY HOMES LTD

Date of Accounts 122/191 122/192 122/193 122/193 122/193 122/193 122/193 122/193 122/193 122/193 123/193							
Same of energy 32 300 Tumow Glady 170 181 138 140 100 0	Date or Accounts	12/31/91	12/31/90	12/31/89	12/31/88	12/31/87	
Loco Loco <thloco< th=""> Loco Loco <thl< td=""><td>Number of weeks</td><td>52 £000</td><td>52 £000</td><td>52 £000</td><td>52 £000</td><td>52 £000</td><td></td></thl<></thloco<>	Number of weeks	52 £000	52 £000	52 £000	52 £000	52 £000	
Turnor Caller) H52 24.7 H51 21.88 12.89 H44 Marcel Reform 170 233 48 223 94 Marcel Reform 122 0 0 0 0 Operating Point 167 111 44 330 14 Operating Point 170 141 44 330 164 Tempory Remain 170 199 203 194 160 Detect Remain 52 64 62 62 64 No. of Employees 6 17 17 18 17 Paced Assets 3 0 0 0 0 Total 43 9 9 0 7 Stack Stack 2107 2413 1661 591 725 Total Assets 2113 2598 1644 631 792 Total Current Asset 126 2467 1030 631 72 Total Current L		2000	2000	2000	2000	2000	
No. Profit Reform Tax 9 178 346 222 53 Non Trading Income 12 0 0 0 0 0 Operating Profit 13 34 30 14 33 15 Operating Profit 13 34 044 33 15 Deprotes Remun. 29 199 203 174 186 Detector Remun. 22 64 62 62 44 No. of Employees Remun. 29 9 0 7 186 One Corrent Assets 10 164 59 9 0 0 One Corrent Assets 2113 298 1644 621 772 Total Corrent Assets 2113 298 1644 621 772 Total Corrent Assets 2113 298 1644 621 772 Total Corrent Assets 215 264 269 67 712 Total Corrent Assets 216 264	Turnover (Sales)	1852	2637	1801	2138	1640	
Interse Paid 170 233 88 22 94 Operating Operating Protection 167 411 444 330 16 Operating Operating Protection 19 44 44 330 15 Impleyees Reman. 19 944 44 330 164 Protect Reman. 22 64 62 62 64 No. of Employees 6 17 17 18 17 Protect Reman. 37 0 0 7 166 Atta 9 9 0 7 166 166 59 7 166 166 59 7 166 166 59 7 166 166 17 17 18 170 13 166 167 161 161 591 732 175 166 167 161 160 17 170 130 161 167 161 161 170 130 161	Net Profit Before Tax	9	178	346	292	52	
Non Trading Success 12 0 0 0 0 0 Operating Work 13 3 3 0 3 3 Operating Work 19 141 444 32 160 Deprote Remain 22 64 62 62 44 No. of Employee 6 17 17 18 17 Fixed Assets 6 9 9 0 7 Intergebt Assets 37 0 0 0 0 Intergebt Assets 37 0 0 0 0 0 Other Current Assets 2117 145 1641 621 722 1642 1653 621 722 1642 1653 621 722 1643 621 722 1643 621 722 1643 621 722 1643 621 722 1643 621 722 1643 621 722 1644 621 722 1644	Interest Paid	170	233	88	28	94	
Openation 167 411 434 320 146 Trading Profit 170 410 421 333 15 Trading Profit 170 410 421 333 15 Trading Profit 170 410 421 333 15 Trading Profit 170 410 421 423 164 Total 2 64 62 163 167 Total 0 0 0 0 0 0 Total 2107 2413 1663 591 773 Total Assets 3 0 0 0 0 0 Total Corrert Assets 2115 2697 1663 591 773 Total Assets 2115 2697 1643 621 722 Total Assets 2115 2697 163 164 200 Colicion S 127 596 184 621 222 Total Ass	Non Trading Income	12	0	0	0	0	
Depresation 3 3 3 0 3 3 5 implicit family for 11 4 44 43 133 15 implicit family for 12 4 No. of Environment 22 66 6 6 0 0 4 No. of Environment 24 9 9 0 7 intermediate Assets 0 0 0 0 0 0 intermediate Assets 37 0 0 0 0 intermediate Assets 37 0 0 0 0 intermediate Assets 37 0 0 0 Total 44 4 9 9 0 7 Total 44 4 9 9 0 7 Total 44 9 9 0 7 Total 444 9 9 7 Total 444 9 9 Total 444 9 T	Operating Profit	167	411	434	320	146	
11 Analy Frain 10 11 4.4 1.2 10 11 Analy Frain 20 10 10 10 12 6 17 17 18 17 No. of Employee 6 9 9 0 7 Find Asets 0 0 0 0 0 0 Test 43 9 9 0 7 - Stocks 2107 2113 1661 591 723 0 <t< td=""><td>Depreciation</td><td>3</td><td>3</td><td>0</td><td>3</td><td>5</td><td></td></t<>	Depreciation	3	3	0	3	5	
mapping the balance 99 103 104 100 No. of Employees 6 17 17 18 17 No. of Employees 6 17 17 18 17 Field Assets 0 0 0 0 0 Intermediate Assets 37 0 0 0 0 Total 43 9 9 0 7 Stock Constrance 2107 2413 1661 291 723 Total Current Assets 2113 2598 1684 621 732 Total Current Assets 2136 2607 1634 621 732 Total Current Labit 127 556 184 20 100 Cartorn Incance 1269 1528 1097 123 65 22 Cartorn Incance 126 256 269 67 125 156 Cartorn Incance 126 256 269 67 125 15	Frading Profit	170	414	434	323	151	
And of Employees 2 0 17 18 17 Fired Austis 6 9 9 0 7 Fired Austis 0 0 0 0 0 Intermodiate Austis 0 0 0 0 0 Total 43 9 9 0 7 Stocks 2107 2413 1661 591 723 One Current Austis 1 165 0 2 0 One Current Austis 2113 2598 1684 621 732 Total Current Austis 127 596 184 200 190 One current Labit 1870 222 173 238 402 One current Labit 1870 2221 1424 554 614 One current Labit 1870 2221 1424 554 614 One current Labit 1870 226 267 67 115 Stancholine Finds	Director Remun	52	199	203	194	100	
Total Auesia 0 1 1 1 1 1 Fined Auesia 0 0 0 0 0 Intermodiate Auesia 37 0 0 0 0 Total 43 9 9 0 7 Stocks 2107 2413 1661 591 723 Total Current Auesia 2 0 2 0 0 Total Current Auesia 2113 2598 1684 621 729 Total Auesia 11 165 0 2 0 0 Total Auesia 2113 2598 1684 621 729 Total Auesia 127 596 184 621 729 Total Auesia 129 1223 1424 554 614 Other current Liabl 1370 2231 1424 554 622 Total Auesia 26 269 67 125 125 Stotacurr	No. of Employees	52	17	17	18	44	
Field Asets 6 9 9 0 7 Internet Lake Asets 0 0 0 0 0 0 Total 43 9 9 0 7 Stocka 2107 2413 1661 591 723 Stocka 1 162 0 2 0 Out Current Assets 2113 2598 1684 621 732 Total Current Assets 2125 2667 1684 621 732 Total Assets 2127 596 184 200 190 Contront Assets 127 596 184 200 190 Contront Labit 127 596 184 200 190 Contront Labit 127 793 62 22 22 Total Current Labit 127 793 63 22 Total Current Labit 126 226 229 67 125 Stocka Stocoo Contront Controt Ase		Ū	1,		10		
intermetiat Aueta 0 0 0 0 0 Total 43 9 9 0 7 Total 43 9 9 0 7 Total 1165 0 2 0 Other Curren Aueta 1155 0 2 0 Other Curren Aueta 113 2598 1684 621 752 Total Curvet Aueta 1156 2667 1693 621 722 Total Aueta 1213 2598 1684 621 752 Total Aueta 127 556 184 200 190 Short her aneta Labat 1291 1587 1007 289 402 Other carrent Labat 1270 5221 1424 554 614 Net Assets 286 226 269 67 125 Shareholders Funds 0 0 0 0 315 Other carren Labat 186 169 <t< td=""><td>Fixed Assets</td><td>6</td><td>9</td><td>9</td><td>0</td><td>7</td><td></td></t<>	Fixed Assets	6	9	9	0	7	
Intermediate Assets 37 0 0 0 0 Total 43 9 9 0 7 Stocks 2107 2413 1661 591 723 Other Current Assets 1 200 20 0 Other Current Assets 2113 2598 1684 621 732 Total Assets 2113 2598 1684 621 732 Creation 1250 266 1684 621 732 Creation 127 596 184 200 190 Short semant Laket 1691 1568 1007 289 402 Other current Laket 1870 2221 1424 554 614 Viet current Laket 286 286 269 67 135 Other current Laket 286 286 269 67 125 Creation Massite 0 0 0 0 0 0 Other Cur	Intangible Assets	0	0	0	0	0	
A3 9 9 0 7 Stocks 2107 2413 1661 591 723 Trade Debors 1 165 0 2 0 Other Current Assets 2113 299 1684 621 722 Total Current Assets 2115 2667 1693 621 729 Considers 127 596 184 200 190 Short Function 1291 1568 1007 289 402 Other current Liabl. 1870 2321 1424 554 614 Net Assets 236 286 269 67 125 Sharebolders Funds 286 269 67 125 Other Long Term Liabl. 1870 221 128 4358 22 Other Long Term Liabl. 0 0 0 0 315 0 Other Long Term Liabl. 1870 221 128.6 4358 247.4 59	Intermediate Assets	37	0	0	0	0	
Joint Product Joint Product Joint Product 1 165 0 2 0 00ther Current Assets 5 20 23 28 9 Total Current Assets 2113 2598 1644 621 732 Total Current Assets 2126 2607 1634 621 732 Total Current Assets 2126 2607 1634 621 732 Total Assets 2125 1644 621 732 Less: 177 596 184 200 190 Shorthoni Loans 1691 1568 1007 289 402 Other Current Liabl. 18770 2321 1424 554 614 Net Assets 286 286 269 67 125 Shareholdern Funds 0 0 0 0 0 Long Torm Loans 0 0 0 0 0 Retard Retarn 131 62.2	Total	43	9	9	0	7	
Stocks 2107 243 1661 991 723 Other Curren Assen 1 165 0 2 0 Other Curren Assen 2113 2598 1684 621 7732 Total Curren Assen 2115 2067 1693 621 7739 Total Assets 2125 2067 1693 621 7739 Less: Creations 127 596 184 200 190 Short Fern Lans 1691 1568 1007 229 402 Other Current Labl. 1870 2321 1424 554 614 Net Assets 286 286 269 67 125 Sharcholders Funds 0 0 0 0 0 0 Long Term Labl. 0 0 0 0 0 135 Other Cong Term Labl. 0 0 0 0 0 0 Capital Employcet 286 286				· · · · ·	· · · ·	·····	
Index Decision 1 165 0 2 0 Order Current Aasels 5 20 23 28 9 Total Current Aasels 2113 2598 1684 621 772 Total Assets 2156 2607 1693 621 779 Less: Crédion 127 596 184 200 190 Short tern Lans 1691 1568 1007 259 402 Other current Liabl. 1870 2221 147.3 65 222 Total Current Liabl. 1870 2221 147.4 554 614 Net Assets 286 266 269 67 125 Shareholdens Funds 0 0 0 0 0 0 Open Loans 0 0 0 0 0 0 0 Cone Term Lans 0 0 0 0 0 0 0 Reserve 186 186 </td <td>Stocks</td> <td>2107</td> <td>2413</td> <td>1661</td> <td>591</td> <td>723</td> <td></td>	Stocks	2107	2413	1661	591	723	
Control Current Assets 20 23 28 9 Total Current Assets 2113 2598 1684 621 732 Total Assets 2156 2607 1633 621 739 Total Assets 2157 203 621 739 Creditors 127 596 184 200 190 Short term Lones 157 233 65 22 Total Current Liabl. 1870 2321 1424 554 614 Net Assets 286 269 67 125 Shareholders Funds 0	I rade Debtors	1	165	0	2	0	
Total Current Assets 2113 2598 1684 621 732 Total Assets 2156 2697 1093 621 739 Less: Crédion 157 596 184 200 190 Short term Lans 1691 1588 1007 289 402 Other current Liabl. 152 137 233 65 22 Total Current Liabl. 1570 2321 1424 554 614 Net Assets 286 269 67 -190	Uner Current Assets	5	20	23	28		••••••••
Link Link Loss Loss Loss Creditors 127 596 184 200 190 Creditors 127 596 184 200 190 Solution 232 137 233 65 22 Other current Liabl. 1870 2221 1424 554 614 Net Assets 226 269 67 125 Shareholden Funds 286 286 269 67 125 Cong Term Lost 0 125 24	Total Current Assets	2113	2598	1684	621	732	
Less: Codiors 127 596 184 200 190 Conditors 1691 1568 1007 289 402 Short tern Liabl. 52 137 233 65 22 Total Current Liabl. 1870 2321 1424 554 6.14 Net Assets 286 286 269 67 125 Shartholders Funda 0 0 0 0 0 0 Long Term Liabl. 1870 286 269 67 125 Shartholders Funda 0 0 0 0 0 0 Long Term Liabl. 0 0 0 0 0 0 0 Capital Employed 286 286 269 67 125 125 Return on Capital 3.1 62.2 128.6 435.8 41.6 168 Return on Shrhides Fund 3.1 62.2 128.6 435.8 -27.4 Proft	Total Assets	2115	2550	1603	621	730	
Less: 127 596 184 200 190 Creditors 1691 1568 1007 289 402 Cher current Liabl. 1870 2221 1424 554 614 Net Assets 286 286 269 67 125 Sharchiden Funds 2 286 269 67 190 Long Term Loans 0 0 0 0 315 Other Long Term Libbl. 0 0 0 0 0 Capital Employed 286 286 269 67 125 Reserve 186 186 169 66 -190 Return on Capital 3.1 62.2 128.6 435.8 41.6 Return on Shrbids Fund 3.1 62.2 128.6 435.8 -27.4 Proft Margins 1 1.2 1.1 5.1 9.2 Transer Profit Margin 9.2 15.7 2.4.1 15.0 8.9			2007	1055	021	135	
Creditors 127 396 184 200 190 Other current Liabl. 52 137 233 65 22 Total Current Liabl. 1870 2321 1424 554 614 Net Assets 286 286 269 67 125 Shareholders Funds 286 286 269 67 125 Other Long Term Liabl. 0 0 0 0 315 Other Long Term Liabl. 0 0 0 0 0 Capital Employed 286 286 269 67 125 Reserve 186 186 169 66 -190 Return on Assets 0.4 6.8 20.4 47.0 7.0 Return on Assets 0.4 6.8 20.4 47.0 7.0 Return on Shrbids Fund 9.2 15.7 24.1 15.1 9.2 Profit Margin 9.2 15.6 24.1 15.0 8.9 <td>Less:</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Less:						
Short err Lans. 1691 1568 1007 289 402 Other current Liabl. 52 157 233 65 22 Total Current Liabl. 1870 2321 1424 554 614 Net Assets 286 236 209 67 115 Sharchidlers Funds 0 0 0 0 0 0 Long Term Lans 0 0 0 0 0 0 Capital Employed 286 286 269 67 150 Capital Employed 286 286 269 67 150 Capital Employed 286 286 269 67 125 Reserve 1866 186 169 66 -190 Reter OR Rates 22 128.6 435.8 41.6 Return on Capital 3.1 62.2 128.6 435.8 41.6 Return on Asseta 0.4 6.8 20.4 47.0 7.0 Profit Margin 9.2 15.7 24.1 15.0 8.9	Creditors	127	596	184	200	190	
Other current Liabl. 52 157 233 65 22 Total Current Liabl. 1870 2321 1424 554 614 Net Assets 286 286 269 67 190 Sharcholders Funds 0 0 0 0 315 Other Long Term Liabl. 0 0 0 0 0 0 Capital Employed 286 286 269 67 125 Reserve 186 186 169 66 -190 Rate of Return	Short term Loans	1691	1568	1007	289	402	
Total Current Liabl. 1870 2321 1424 554 614 Net Assets 286 286 269 67 125 Shareholders Funds 0 0 0 0 0 315 Other Long Term Liabl. 0 0 0 0 0 0 0 0 0 Capital Employed 286 286 269 67 125 125 Reserve 186 186 169 66 -190 Rate of Return Return on Capital 3.1 62.2 128.6 435.8 41.6 Return on Shrhider Fund 3.1 62.2 128.6 435.8 -27.4 Profit Margin 9.2 15.7 24.1 15.1 9.2 -27.4 Profit Margin 9.0 15.6 24.1 15.0 8.9 -27.4 Profit Margin 9.0 15.6 24.1 15.1 9.2 -27.4 Profit Margin 0.2 15.7	Other current Liabl.	52	157	233	65	22	
Net Assets 286 286 269 67 125 Sharcholders Funds 0 0 0 0 315 Long Term Loans 0 0 0 0 315 Other Long Term Liabl. 0 0 0 0 0 0 Capital Employed 286 286 269 67 125 Reserve 186 186 169 66 -190 Rate of Return Return on Capital 3.1 62.2 128.6 435.8 41.6 Return on Asets 0.4 6.8 20.4 47.0 7.0 Return on Shrhidas Fund 3.1 62.2 128.6 435.8 -27.4 Pofft Margin 9.2 15.7 24.1 15.1 9.2 - Trading Profit Margin 9.2 15.7 24.1 15.0 8.9 Pre Tax Profit Margin 9.0 15.6 24.1 15.0 8.9 Stace Strock sets 308.7 <t< td=""><td>Total Current Liabl.</td><td>1870</td><td>2321</td><td>1474</td><td>554</td><td>614</td><td></td></t<>	Total Current Liabl.	1870	2321	1474	554	614	
Job Job Job Job Job Sharcholders Funds 286 286 269 67 -190 Cong Term Lans 0 0 0 0 0 0 Capital Employed 286 286 269 67 125 Reserve 186 186 169 66 -190 Rate of Return Return on Capital 3.1 62.2 128.6 41.6 Return on Capital 3.1 62.2 128.6 435.8 41.6 Return on Assets 0.4 6.8 20.4 47.0 7.0 Return on Shridars Fund 3.1 62.2 128.6 425.8 -27.4 Profit Margin 9.2 15.7 24.1 15.0 8.9 Profit Margin 9.2 15.7 24.1 15.0 8.9 Profit Margin 9.2 10.2 106.4 344.3 221.9 Sales/Fixed Assets 308.7 293.0 0.0 0 <	Net Assets	286	2321	269	67	125	
Shareholders Funds 286 286 269 67 -190 Long Term Loans 0 0 0 0 0 0 Capital Employed 286 286 269 67 125 Capital Employed 286 286 269 67 125 Reserve 186 186 169 66 -190 Reter of Return				202		145	
Long Term Loans 0 0 0 0 0 315 Cher Long Term Liabl. 0							
Other Long Term Liabl. 0 0 0 0 0 Capital Employed 286 286 269 67 125 Reserve 186 186 169 66 -190 Rate of Return Return on Capital 3.1 62.2 128.6 435.8 41.6 Return on Capital 3.1 62.2 128.6 435.8 41.6 Return on Assets 0.4 6.8 20.4 47.0 7.0 Return on Shrhidar Fund 3.1 62.2 128.6 435.8 41.6 Profit Margins 9.2 15.7 24.1 15.1 9.2 Operating Profit Margin 9.2 15.6 24.1 15.0 8.9 Pre Tax Profit Margin 9.0 15.6 24.1 15.0 8.9 Sales/Fixed Assets 308.7 293.0 200.1 27.11* 234.3 Sales/Fixed Assets 308.7 293.0 200.1 27.11* 234.3 Sales/Fixed Assets 308.7	Shareholders Funds	286	286	269	67	-190	
Capital Employed 286 286 269 67 125 Reserve 186 186 169 66 -190 Rate of Return R Return on Capital 3.1 62.2 128.6 435.8 41.6 Return on Capital 3.1 62.2 128.6 435.8 -27.4 Profit Margins 3.1 62.2 128.6 435.8 -27.4 Profit Margin 9.2 15.7 24.1 15.0 8.9 Operating Profit Margin 9.0 15.6 24.1 15.0 8.9 Pre Tax Profit Margin 0.5 6.8 19.2 13.7 3.2 Turnover Ratios 38.9 101.2 106.4 344.3 221.9 Sate/Fixed Assets 308.7 29.0 200.1 27.11* 234.3 Sate/Sixola Assets 0.9 1.1 1.1 3.6 2.3 Credit Period 0 23 0 0 0 Credit Period 0.23 0 0<	Shareholders Funds Long Term Loans	286 0	286 0	269 0	67 0	-190 315	
Capital Employed 266 269 67 125 Reserve 136 186 169 66 -190 Rate of Return Return on Capital 3.1 62.2 128.6 435.8 41.6 Return on Capital 3.1 62.2 128.6 435.8 41.6 Return on Capital 3.1 62.2 128.6 435.8 41.6 Return on Shrhdrs Fund 3.1 62.2 128.6 435.8 41.6 Profit Margins 9.2 15.7 24.1 15.1 9.2 Operating Profit Margin 9.0 15.6 24.1 15.0 8.9 Pre Tax Profit Margin 9.0 15.6 24.1 15.0 8.9 Pre Tax Profit Margin 0.5 6.8 19.2 13.7 3.2 Sales/Tibasion 85.9 101.2 106.4 344.3 221.9 Sales/Stocks 0.9 1.1 1.1 3.6 2.3 Credit Period 0 23	Shareholders Funds Long Term Loans Other Long Term Liabl.	286 0 0	286 0 0	269 0 0	67 0 0	-190 315 0	
Reserve 186 186 169 66 -190 Rate of Return	Shareholders Funds Long Term Loans Other Long Term Liabl.	286 0 0	286 0 0	269 0 0	67 0 0	-190 315 0	
Rate of Return Return on Capital 3.1 62.2 128.6 435.8 41.6 Return on Assets 0.4 6.8 20.4 47.0 7.0 Return on Shthldiss Fund 3.1 62.2 128.6 435.8 -27.4 Profit Margins 1 62.2 128.6 435.8 -27.4 Profit Margin 9.2 15.7 24.1 15.0 8.9 Operating Profit Margin 9.0 15.6 24.1 15.0 8.9 Pre Tax Profit Margin 0.5 6.8 19.2 13.7 3.2 Turnover Ratios 3 0.5 0.8 19.2 13.1 3.2 Sales/Fixed Assets 308.7 293.0 200.1 27.11* 234.3 Sales/Fixed Assets 0.9 1.1 1.1 3.6 2.3 Creditors Ratio 25.0 82.5 37.3 34.1 42.3 Working Cap./Sales 13.1 10.5 14.4 3.1 7.2 Liquidity 1.1 1.1 1.2 1.1 1.2	Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed	286 0 0 286	286 0 0 286	269 0 0 269	67 0 0 67	-190 315 0 125	
Rate of Return Return on Capital 3.1 62.2 128.6 435.8 41.6 Return on Assets 0.4 6.8 20.4 47.0 7.0 Return on Assets 0.4 6.2 128.6 435.8 -27.4 Profit Margins 2 128.6 435.8 -27.4 Profit Margin 9.2 15.7 24.1 15.1 9.2 Operating Profit Margin 9.0 15.6 24.1 15.0 8.9 Profit Margin 0.5 6.8 19.2 13.7 3.2 Start Drofit Margin 0.5 6.8 19.2 13.7 3.2 Turnover Ratios 85.9 101.2 106.4 344.3 221.9 Sales/Fixed Assets 0.87 293.0 200.1 27.11* 234.3 Sales/Stocks 0.9 1.1 1.1 3.6 2.3 Credit Period 0 2.5 37.3 34.1 42.3 Working Cap./Sales 13.1	Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve	286 0 286 286	286 0 0 286 186	269 0 269 169	67 0 0 67 66	-190 315 0 125 -190	
Return on Capital 3.1 62.2 128.6 435.8 41.6 Return on Assets 0.4 6.8 20.4 47.0 7.0 Return on Shrhldrs Fund 3.1 62.2 128.6 435.8 -27.4 Profit Margins 1 5.2 128.6 435.8 -27.4 Profit Margin 9.2 15.7 24.1 15.0 8.9 Operating Profit Margin 9.0 15.6 24.1 15.0 8.9 Pre Tax Profit Margin 0.5 6.8 19.2 13.7 3.2 Turnover Ratios 30.7 293.0 200.1 27.11* 234.3 Sales/Stocks 0.9 1.1 1.1 3.6 2.3 Credit Proid 0	Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve	286 0 286 186	286 0 0 286 186	269 0 269 169	67 0 0 67 66	-190 315 0 125 -190	
Return on Assets 0.4 6.8 20.4 47.0 7.0 Return on Shrhldrs Fund 3.1 62.2 128.6 435.8 -27.4 Profit Margins 1 62.2 128.6 435.8 -27.4 Profit Margin 9.2 15.7 24.1 15.1 9.2 Operating Profit Margin 9.0 15.6 24.1 15.0 8.9 Pre Tax Profit Margin 0.5 6.8 19.2 13.7 3.2 Turnover Ratios 7 20.1 27.11* 234.3 20.9 Sales/Yied Assets 308.7 293.0 200.1 27.11* 234.3 Sales/Stocks 0.9 1.1 1.1 3.6 2.3 Credit Period 0 23 0 0 0 Credit Period 25.0 82.5 37.3 34.1 42.3 Working Cap/Sales 13.1 10.5 14.4 3.1 7.2 Liquidity 1.1 1.1 1.2	Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return	286 0 286 186	286 0 0 286 186	269 0 269 169	67 0 0 67 66	-190 315 0 125 -190	
Return on Shrhldrs Fund 3.1 62.2 128.6 435.8 -27.4 Profit Margins	Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital	286 0 286 186 3.1	286 0 286 186 62.2	269 0 269 169 128.6	67 0 67 66 435.8	-190 315 0 125 -190 41.6	
Profit Margins 9.2 15.7 24.1 15.1 9.2 Operating Profit Margin 9.0 15.6 24.1 15.0 8.9 Pre Tax Profit Margin 0.5 6.8 19.2 13.7 3.2 Turnover Ratios 308.7 293.0 200.1 27.11* 234.3 Sales/Fixed Assets 308.7 293.0 200.1 27.11* 234.3 Sales/Fixed Assets 0.9 1.1 1.1 3.6 2.3 Credit Period 0 23 0 0 0 Creditors Ratio 25.0 82.5 37.3 34.1 42.3 Working Cap./Sales 13.1 10.5 14.4 3.1 7.2 Liquidity Ratio 1.1 1.1 1.2 1.1 1.2 Quick Ratio 0.0 0.1 0.0 0.1 0.0 Grearing Ratio 591.3 548.3 374.3 431.3 -377.4 Equity Gearing 0.1 0.1 0.2	Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Assets	286 0 286 186 3.1 0.4	286 0 286 186 62.2 6.8	269 0 269 169 128.6 20.4	67 0 67 66 435.8 47.0	-190 315 0 125 -190 41.6 7.0	
Trading Profit Margin 9.2 15.7 24.1 15.1 9.2 Operating Profit Margin 9.0 15.6 24.1 15.0 8.9 Pre Tax Profit Margin 0.5 6.8 19.2 13.7 3.2 Turnover Ratios	Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Shrhidrs Fund	286 0 286 186 3.1 0.4 3.1	286 0 286 186 62.2 6.8 62.2	269 0 269 169 128.6 20.4 128.6	67 0 67 66 435.8 47.0 435.8	-190 315 0 125 -190 41.6 7.0 -27.4	
The magner 9.2 15.7 24.1 15.1 9.2 Operating Profit Margin 9.0 15.6 24.1 15.0 8.9 Pre Tax Profit Margin 0.5 6.8 19.2 13.7 3.2 Turnover Ratios 30.5 6.8 19.2 13.7 3.2 Sales/Fixed Assets 308.7 293.0 200.1 27.11* 234.3 Sales/Fixed Assets 308.7 293.0 200.1 27.11* 234.3 Sales/Fixed Assets 0.9 1.1 1.1 3.6 2.3 Credit Period 0 23 0 0 0 Creditors Ratio 25.0 82.5 37.3 34.1 42.3 Working Cap./Sales 13.1 10.5 14.4 3.1 7.2 Liquidity Ratio 1.1 1.1 1.2 1.1 1.2 Quick Ratio 0.0 0.1 0.0 0.1 0.0 Gearing Ratio 591.3 548.3 374.3	Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Shrhldrs Fund Profit Magging	286 0 286 186 3.1 0.4 3.1	286 0 286 186 62.2 6.8 62.2	269 0 269 169 128.6 20.4 128.6	67 0 67 66 435.8 47.0 435.8	-190 315 0 125 -190 41.6 7.0 -27.4	
Decising From Wargin 0.5 1.50 2.4.1 1.5.0 1.5.0 Pre Tax Profit Margin 0.5 6.8 19.2 13.7 3.2 Turnover Ratios 4.855.9 101.2 106.4 344.3 221.9 Sales/Fixed Assets 308.7 293.0 200.1 27.11* 234.3 Sales/Stocks 0.9 1.1 1.1 3.6 2.3 Credit Period 0 23 0 0 0 Creditors Ratio 25.0 82.5 37.3 34.1 42.3 Working Cap./Sales 13.1 10.5 14.4 3.1 7.2 Liquidity Ratio 1.1 1.1 1.2 1.1 1.2 Quick Ratio 0.0 0.1 0.0 0.1 0.0 Gearing Ratio 591.3 548.3 374.3 431.3 -377.4 Equity Gearing 0.1 0.1 0.2 0.1 -0.3 Income Gearing 95.0 56.7 20.3 8.8 64.4 Total Debt/Work. Cap. 7.0	Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Assets Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin	286 0 286 186 3.1 0.4 3.1	286 0 286 186 62.2 6.8 62.2	269 0 0 269 169 128.6 20.4 128.6	67 0 0 67 66 435.8 47.0 435.8	-190 315 0 125 -190 41.6 7.0 -27.4	
Turnover Ratios Asset Utilisation 85.9 101.2 106.4 344.3 221.9 Sales/Fixed Assets 308.7 293.0 200.1 27.11* 234.3 Sales/Fixed Assets 0.9 1.1 1.1 3.6 2.3 Credit Period 0 23 0 0 0 Creditiors Ratio 25.0 82.5 37.3 34.1 42.3 Working Cap./Sales 13.1 10.5 14.4 3.1 7.2 Liquidity Ratio 1.1 1.1 1.2 1.1 1.2 Quick Ratio 0.0 0.1 0.0 0.1 0.0 Gearing Ratio 591.3 548.3 374.3 431.3 -377.4 Equity Gearing 0.1 0.1 0.2 0.1 -0.3 Income Gearing 95.0 56.7 20.3 8.8 64.4 Total Debt/Work. Cap. 7.0 5.7 3.9 4.3 6.1 Debt Gearing 0.0	Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin	286 0 286 186 3.1 0.4 3.1 9.2 9.0	286 0 286 186 62.2 6.8 62.2 15.7	269 0 0 269 169 128.6 20.4 128.6 20.4 128.6	67 0 0 67 66 435.8 47.0 435.8 15.1	-190 315 0 125 -190 41.6 7.0 -27.4 9.2 8.9	
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*Average

D.F. O'CONNOR & CO. LTD

Date or Accounts	12/31/91	12/31/90	12/31/89	12/31/88	12/31/87	
Number of weeks	£000	£000	£000	£000	£000	
Turnover (Sales)	2337	3552	3582	2208	2334	
Net Profit Before Tax	-180	48	63	-66	75	
Interest Paid	35	27	21	12	14	
Non Trading Income	9	9	7	6	5	
Operating Profit	-154	66	77	-60	84	
Depreciation Trading Profit	13	14	13	-19	/ 91	
Finding From	-141	136	90 121	-49 80	53	
Director Remun.	65	65	62	49	39	
No. of Employees	16	16	19	18	18	
Fixed Assets	52	63	61	61	49	
Intangible Assets	0	0	0	0	0	
Intermediate Assets	0	0	0	0	0	••••••
Total	52	63	61	61	49	
Stocks	293	308	273	193	114	
Trade Debtors	312	455	517	316	363	
Other Current Assets	36		18		12	
Total Current Assets	641	771	808	540	489	
Total Assets	693	834	869	601	538	
Less: Craditor	294	264	274	270	169	
Short term Loans	264 256	204	20	137	99	
Other current Liabl.	94	139	367	126	170	
Total Current Liabl.	634	696	761	542	437	
Net Assets	59	138	108	59	101	
Charabaldan Euroda	16	124	02	61	101	
Long Term Long	-13	124	92	54	101	
Other Long Term Liabl.	0	5	5	Ő	ů 0	
Capital Employed	59	138	108	59	101	
Reserve	-35	123	91	53	100	
Rate of Return						
Return on Capital	-305.1	34.8	58.3	-111.9	74.3	
Return on Assets	-26.0	5.8	7.2	-11.0	13.9	
Return on Shrhidrs Fund	1200.0	38.7	68.5	-122.2	74.3	
Profit Margins						
Trading Profit Margin	-6.0	2.3	2.5	-2.2	3.9	
Pre Tax Profit Margin	-6.6 -7.7	1.9	2.1	-2.7	3.6	
Turnover Ratios						
Asset Utilisation	337.2	425.9	412.2	367.4	433.8	
Sales/Fixed Assets	44.9	56.4	58.7	36.2	47.6	
Jaics/Stocks Credit Period	8.0	11.5	13.1	11.4	20.5	
Creditions Ratio	49	47 27 1	38 1	32 46 1	263	
Working Cap./Sales	0.3	2.1	1.3	-0.1	2.2	
Liquidity Ratio						
Liquidity	1.0	1.1	1.1	1.0	1.1	
Quick Ratio	0.5	0.7	0.7	0.6	0.9	
Gearing Ratio				262.5		
Borrowing Kabo	-2200.0	243.5	33.7	263.0	98.0	
Income Gearing	-24 I	U.I 36.0	25.0	-77 7	0.2	
Total Debt/Work, Cap.	47.1	4.0	0.7	-71.0	1.9	
Debt Gearing	-493.3	7.3	12.0	9.3	0.0	

A.F. WARD (BUILDERS) LTD

Date or Accounts	10/31/90	10/31/89	10/31/88	10/31/87	
Number of Weeks	52	52	52	52	
	0001	\$000	£000£	£000	
Turnover (Sales)	1316	2059	1121	697	
Net Profit Before Tax	-61	51	135	66	
Interest Paid	173	123	29	83	
Non Trading Income	0	0	4	4	
Operating Profit	112	174	160	145	
Depreciation	15	15	12	7	
Trading Profit	127	189	172	152	
Employee Remun.	72	63 269	50 76	39 26	
No. of Employees	6	205	,0 5	20	
		-	-	-	
Fixed Assets	38	54	34	20	
Intangible Assets	0	0	0	0	
Intermediate Assets				18	•••••••
Total	60	76	54	29	
		/0			
Stocks	1712	1304	430	308	
Trade Debtors	12	98	4	5	
Other Current Assets	25	21	54	12	
				•••••••	••••••••••••••••••••••
Total Current Assets	1749	1423	488	325	
Total Assets	1809	1499	542	363	
Less:					
Creditors	165	141	89	70	
Short term Loans	1077	850	12	41	
	213		121	45	•••••••
Total Current Liabl.	1457	1088	222	156	
Net Assets	352	411	320	207	
				201	
Shareholders Funds	293	343	303	207	
Long Term Loans	59	68	15	0	
Other Long Term Liabl.	0	0	2	0	
Capital Employed	352	411	320	207	
N	202	2.42	202	207	
Reserve	293	343	303	207	
Rate of Return					
Return on Capital	-17.3	12.4	42.2	31.9	
Return on Assets	-3.4	3.4	24.9	18.2	
Return on Shrhidrs Fund	-20.8	14.9	44.6	31.9	
Profit Marrine					
Tradine Profit Marein	. 97	92	153	21.8	
Operating Profit Margin	8.5	8.5	14.3	20.8	
Pre Tax Profit Margin	-4.6	2.5	12.0	9.5	
Turnover Ratios					
Asset Utilisation	72.7	137.4	206.8	192.0	
Sales/Fixed Assets	34.6	38.1	33.0	34.9	
Sales Stocks	0.8	1.0	2.6	2.3	
Creditions Ratio	5 45 R	25.0	29.0	36 7	
Working Cap./Sales	22.2	16.3	23.7	24.2	
Liquidity Ratio					
Liquidity	1.2	1.3	2.2	2.1	
Quick Ratio	0.0	0.1	0.3	0.1	
Coaring Patio					
Borrowing Ratio	7 7 7 2 2	767 6	80	10 0	
Equity Gearing	387.7 0.2	207.0	6.9 0.6	17.8	
Income Gearing	154.5	70.7	17.7	55.7	
Total Debt/Work. Cap.	3.9	2.7	0.1	0.2	
Debt Gearing	20.1	19.8	5.0	0.0	

Appendix B

Continuing Companies' Accounts (1987-1991)

K.B. BENFIELD & CO. (MIDLANDS) LTD

Date on Accounts	2/21/01	2/21/00	2/21/00	3/31/00	2/21/07	
Number of Weeks	3/31/91 52	3/31/90 52	5/31/89 52	3/31/88 52	5/31/8/ 52	
	£000£	£000	1000	£000	£000	
Turnover (Sales)	2878	3864	5923	4943	2976	
Net Profit Before Tax	242	197	1468	1327	440	
Interest Paid	334	353	209	73	118	
Non Trading Income	6	0	7	4	0	
Operating Profit	570	550	1670	1396	558	
Depreciation	69	86	93	66	41	
I rading Proht	639	636	1763	1462	599	
Director Remun	1/1 80	225	236 73	200 58	43	
No. of Employees	21	20	21	20	20	
Fixed Assets	49	113	190	137	85	
Intangible Assets Intermediate Assets	0	0	0	0	0	
1 OTA)	49	113	190	137	85	
Stocks	3368	3833	4671	3872	2139	
Trade Debiors Other Current Assets	7	0	0 68	0	1	
		74	00		100	
Total Current Assets	3456	3927	4739	3987	2300	
Total Assets	3505	4040	4929	4124	2385	
Less:						
Creditors	231	279	431	325	319	
Short term Loans	1823	1871	718	609	870	
Other current Liabl.	174	240	1667	1648	294	
Total Current Liabl.	2228	2390	2816	2582	1483	
Net Assets	1277	1650	2113	1542	902	
Shareholders Funds	586	584	563	524	774	
Long Term Loans	691	1066	1550	1018	128	
Other Long Term Liabl.	0	0	0	0	0	
Capital Employed	1277	1650	2113	1542	902	
Reserve	560	559	538	499	749	
Rate of Return						
Return on Capital	19.0	11.9	69.5	86.1	48.8	
Return on Assets	6.9	4.9	29.8	32.2	18.4	
Return on Shrhldrs Fund	41.3	33.7	260.7	253.2	56.8	
Profit Margins						
Trading Profit Margin	22.2	16.5	29.8	29.6	20.1	
Operating Profit Margin	19.8	14.2	28.2	28.2	18.8	
i në i ak fi una iviargin	8.4	5.1	∠ 4. ð	20.8	14.8	
Turnover Ratios						
Asset Utilisation	82.1	95.6	120.2	119.9	124.8	
Sales/Stocks	58.7	34.2	31.2	36.1 1 3	35.U 1 4	
Credit Period	0.9	1.0	1.5	1.5	0	
Creditiors Ratio	29.3	26.4	26.6	24.0	39.1	
Working Cap./Sales	42.7	39.8	32.5	28.4	27.5	
Liquidity Ratio						
Liquidity	1.6	1.6	1.7	1.5	1.6	
Quick Ratio	0.0	0.0	0.0	0.0	0.1	
Gearing Ratio						
Borrowing Ratio	429.0	502.9	402.8	310.5	128.9	
Equity Gearing	0.2	0.1	0.1	0.1	0.3	
ncome Gearing Total Debt/Work Can	58.0	64.2	12.5	5.2	21.1	
Debt Gearing	117.9	182.5	275.3	194.3	16.5	
BRACKENLEA LTD

Date or Accounts	9/30/91	9/30/90	9/30/89	9/30/88	9/30/87	
Number of Weeks	52 £000	52 £000	52 £000	52 £000	52 £000	
Turnover (Sales)	3002	5847	6621	4956	3563	
Net Profit Before Tax	226	521	931	464	199	
Interest Paid	360	209	209	1/5	-4	
Operating Profit	565	711	1140	639	398	
Depreciation	2	3	4	13	4	
Trading Profit	567	417	1144	652	402	
Employee Remun.	277	263	253	179	130	
Director Remun.	0	0	0	0	0	
No. of Employees	20	21	21	17	16	
Fixed Assets	0	2	5	8	10	
Intangible Assets	0	0	0	0	0	
Intermediate Assets	79	79	79	79	79	
Total	79	81	84	87	89	
Stocks	4436	4239	3724	2926	2793	
Trade Debtors	6	1	5	1	46	
Other Current Assets	362	949		53	92	
Total Current Assets	4804	5189	3750	2980	2931	
Total Assets	4883	5270	3834	3067	3020	
Less:						
Creditors	184	212	416	252	233	
Short term Loans	2739	2651	1600	1795	2123	
Other current Liabl.	177	768	490	229	117	
Total Current Liabl.	3100	3631	2506	2276	2473	
Net Assets	1783	1639	1328	791	547	
Shareholders Funds	1783	1639	1328	791	526	
Long Term Loans	0	0	0	0	21	
Other Long Term Liabl.	0	0	0	0	0	
Capital Employed	1783	1639	1328	791	547	
Reserve	1783	1639	1328	791	526	
Return on Capital	12 7	31 8	70.1	58.7	36.4	
Return on Assets	4.6	9.9	24.3	15.1	6.6	
Return on Shrhidrs Fund	12.7	31.8	70.1	58.7	37.8	
Profit Margins						
r rom Margins Trading Profit Margin	18 0	71	173	13.2	11 3	
Operating Profit Margin	18.8	12.2	17.2	12.9	11.2	
Pre Tax Profit Margin	7.5	8.9	14.1	9.4	5.6	
Turnover Ratios						
Asset Utilisation	61.5	110.9	172.7	161.6	118.0	
Sales/Fixed Assets	30.35*	2923.5	1324.2	619.5	356.3	
Sausy Stocks Credit Period	0.7	1.4	1.8	1.7	1.3	
Creditiors Ratio	1 22.4	13.2	22.9	18.6	23.9	
Working Cap./Sales	56.8	26.6	18.8	14.2	12.9	
T 1						
Liquidity Ratio	1.6	1.4	1.5	12	1.2	
Quick Ratio	0.1	1.4 0.3	0.0	0.0	0.1	
Gearing Ratio						
Borrowing Ratio	153.6	161.7	120.5	226.9	407.6	
Equity Gearing	0.4	0.3	0.3	0.3	0.2	
Income Gearing	61.4	28.6	18.3	27.4	49.5	
Total Debt/Work. Cap.	1.6	1.7	1.3	2.5	4.7	
Debt Gearing	0.0	0.0	0.0	0.0	4.0	

*Average

DAVIES HOLDINGS (SOMERTON) LTD

Date or Accounts	3/31/91	3/31/90	3/31/89	3/31/88	3/31/87	
Number of Weeks	52	52	52	52	52	
	2000	*000	2000	1000	2000	
Turnover (Sales)	15635	15440	3661	4658	3228	
Net Profit Before Tax	164	432	616	1082	511	
Interest Paid	579	625	253	39	72	
Non Trading Income	0	0	0	2	6	
Operating Profit	743	1057	869	1119	577	
Depreciation	152	161	63	37	33	
Final From From From From From From From From	1538	1218	932 312	219	183	
Director Remun.	137	133	108	77	66	
No. of Employees	135	154	26	24	23	
Fixed Assets	1122	1149	185	187	184	
Intangible Assets	0	0	0	0	0	
Intermediate Assets			0	0	0	
Total	1122	1140	105	107	104	
101a	1122	1149	180	18/	184	_
Stocks	6267	7144	5687	2551	2302	
Trade Debtors	998	978	3	6	2	
Other Current Assets	665	204	69	72	93	
						•••••••
Total Current Assets	7930	8326	5759	2629	2397	
Total Assets	9052	9475	5944	2816	2581	
Less:						
Creditors	1196	1079	226	270	326	
Short term Loans	3769	4302	3475	538	871	
	1502	1040	508	044	233	
Total Current Liabl.	6527	7029	4269	1252	1450	
Not Assets	2525	2446	1675	1564	1131	
			10/3	1304		
Shareholders Funds	2479	2411	1662	1552	872	
Long Term Loans	41	26	8	5	252	
Other Long Term Liabl.	5	9	5	7	7	
Capital Employed	2525	2446	1675	1564	1131	
Reserve	1430	1361	612	502	22	
Rate of Return						
Return on Capital	6.5	17.7	36.8	69.2	45.2	
Return on Assets	1.8	4.6	10.4	38.4	19.8	
Return on Shrhidrs Fund	6.6	17.9	37.1	69.7	58.6	
Profit Margins			~	~ ~ ~		
Description Profit Margin	5.7	7.9	25.5	24.8	18.9	
Operating Profit Margin Pre Tax Profit Margin	4.8	0.8 2 9	23.7	24.0	17.9	
	1.0	2.0	10.0	LJ.L	13.0	
Turnover Ratios						
Asset Utilisation	172.7	163.0	61.6	165.4	125.1	
Sales/Fixed Assets	13.9	13.4	19.8	24.9	17.5	
Sales/Stocks	2.5	2.2	0.6	1.8	1.4	
Credit Period	23	23	0	0	0	
Working Can /Sales	27.9	23.5	22.5	21.2	30.9	
nonwag Capitolito	2.0	0.4	+0.7	29.0	27.3	
Liquidity Ratio						
Liquidity	1.2	1.2	1.3	2.1	1.7	
Quick Ratio	0.3	0.2	0.0	0.1	0.1	
Gearing Ratio				<i></i>		
Borrowing Kano	153.7	179.5	209.6	22.1	128.8	
Income Gearing	U.3 77 Q	U.3 40 1	0.3	U.O 3 5	0.3	
	11.7	37.1	27.1	5.5	14.3	
I otal Debt/Work. Cap.	27	33	23	0.2	12	
Debt Gearing	2.7 1.7	3.3 1.1	2.3 0.5	0.2 0.3	1.2 28.9	

DEEKS & STEERE LTD

Date or Accounts	9/30/91	9/30/90	9/30/89	9/30/88	9/30/87	
Number of Weeks	52 £000	52 £000	52 £000	52 £000	52 £000	
T	2027		2 184		22.14	
i urnover (Sales) Net Profit Before Tax	2854	5116 304	3470	2710	2241 90	
Interest Paid	11	58	40	120	1	
Non Trading Income	62	40	0	Ō	Ō	
Operating Profit	434	322	291	121	91	
Depreciation	23	28	28	16	14	
Trading Profit	457	350	319	137	105	
Employee Remun.	133	231	187	170	170	
No. of Employees	80	67 27	27	4 24	33 24	
	10	2,	27	24	24	
Fixed Assets	435	534	535	70	56	
Intermediate Assets	0 0	0	U n	U 0	0	
			······			
Total	435	534	535	70	56	
Stocks	126	50	23	91	112	
Trade Debtors	203	298	114	226	288	
Other Current Assets	335	330	622	6	9	
Total Current Assets	664	678	759	323	409	
Total Assets	1099	1212	1294	393	465	
	· · · · · · · · · · · · · · · · · · ·					
Less:	2/5		207	100	107	
Creations Short term Loops	268	286	206	189	196	
Other current Liabl.	82 2 47	268	93 471	∎ 104	114	
		200				
Total Current Liabl.	597	692	770	301	416	
Net Assets	502	520	524	92	49	
Shareholders Funds	502	226	154	89	46	
Long Term Loans	0	294	367	0	0	
Other Long Term Liabl.	0	0	3	3	3	
Capital Employed	502	520	524	92	49	
Deserve	123		154			
A CSCI VE	452	220	154	89	40	
Rate of Return						
Return on Capital	96.6	58.5	47.9	130.4	183.7	
Return on Assets	44.1	25.1	19.4	30,5	19.4	
Return on Shrhldrs Fund	96.6	134.5	163.0	134.8	195.7	
Profit Margins						
Trading Profit Margin	16.1	11.2	9.2	5.1	4.7	
Operating Profit Margin	15.3	10.3	8.4	4.5	4.1	
Pre Tax Profit Margin	17.1	9.8	7.2	4.4	4.0	
Turnover Ratios						
Asset Utilisation	257.9	257.1	268.2	689.6	481.9	
Sales/Fixed Assets	6.5	5.8	6.5	38.7	40.0	
Credit Period	22.5	02.3 35	150.9	29.8 30	20.0	
Creditiors Ratio	34.5	33.5	21.7	25.5	31.9	
Working Cap./Sales	2.4	-0.4	-0.3	0.8	-0.3	
Liquidity Datio						
Liquidity	11	1.0	1.0	11	1.0	
Quick Ratio	0.9	0.9	1.0	0.8	0.7	
Gearing Ratio						
Borrowing Ratio	16.3	191.2	298.7	9.0	230.4	
Equity Gearing	0.5	0.2	0.1	0.2	0.1	
Income Gearing	2.2	16.0	13.7	0.8	1.1	
Total Debt/Work. Cap.	1.2	-30.9	-41.8	0.4	-15.1	
Debt Gearmg	0.0	130.1	238.3	0.0	0.0	

EDEN HOMES LTD

Date or Accounts	12/31/91	12/31/90	12/31/89	12/31/88	1/31/88	1/31/87
Number of Weeks	52 £000	52 £000	52 £000	48 £000	52 £000	52 £000
Turnovar (Salas)	4301	5022	5501	4004	3557	4280
Net Profit Before Tax	4391	5932 1093	903	4094	353	4280 514
Interest Paid	225	405	540	256	181	220
Non Trading Income	0	0	0	0	0	0
Operating Profit	932	1498	1443	692	534	734
Depreciation	0	1	1	2	5	7
Trading Profit	932	1499	1444	694	539	741
Employee Remun.	653	646	837	665	511	544
Director Remun.	39	35	0	0	0	0
No. of Employees	62	76	87	75	64	63
Fixed Assets	0	1	2	3	6	27
Intangible Assets	0	0	0	0	0	0
Intermediate Assets	0	0	0	0	0	0
Total	0	1	2	3	6	27
Stocks	3310	3523	4886	3901	3147	2848
Trade Debiors	23	8	550	11	1	37
Uner Current Assets] /44	1105	559	190		98
Total Current Assets	5107	4636	5454	4108	3181	2983
Total Assets	5107	4637	5456	4111	3187	3010
Less: Craditor	240	461	459	101	224	141
Short term Loans	342	401	438	181	234	141
Other current Liabl.	841	1209	740	354	54	226
Total Current Liabl.	2067	2550	3437	2678	2038	2090
Net Assets	3040	2087	2019	1433	1149	920
Shareholders Funds	3040	2087	2019	1433	1149	920
Long Term Loans	0	0	0	0	0	0
Other Long Term Liabl	0	0	0	0	0	0
Capital Employed	3040	2087	2019	1433	1149	920
Reserve	3037	2084	2015	1429	1145	916
Pate of Return						
Return on Capital	23.3	52.4	44.7	33.0	30.7	55.9
Return on Assets	13.8	23.6	16.6	11.5	11.1	17.1
Return on Shrhidrs Fund	23.3	52.4	44.7	33.0	30.7	55.9
Profit Margins						
Trading Profit Margin	21.2	25.3	26.2	17.0	15.2	17.3
Op e rating Profit Margin Pre Tax Profit Margin	21.2 16.1	25.3 18.4	26.2 16.4	16.9 10.6	15.0 9.9	17.1 12.0
Turnover Ratios						
Asset Utilisation	86.0	127.9	100.8	107.9	111.6	142.2
Sales/Fixed Assets	30.35*	5932.0	2750.5	1478.4	592.8	158.5
Sales/Stocks	1.3	1.7	1.1	1.0	1.1	1.5
Credit Period	4	0	1	1	0	3
Creditiors Ratio	28.4	28.4	30.4	14.9	24.0	12.0
Working Cap./Sales	69.2	35.2	36.7	32.2	32.1	20.9
Liquidity Ratio Liquidity	75	1 0	14	1 4	1.6	1 4
Quick Ratio	0.9	0.4	0.2	0.1	0.0	0.1
Gearing Ratio						
Borrowing Ratio	29.1	42.2	110.9	149.5	152.3	187.3
Equity Gearing	0.6	0.5	0.4	0.3	0.4	0.3
Income Gearing	24.1	27.0	37.4	37.0	33.9	30.0
Total Debt/Work. Cap.	0.3	0.4	1.1	1.5	1.5	1.9
Debt Gearing	0.0	0.0	0.0	0.0	0.0	0.0

*Average

FLOWER & HAYES LTD

Date or Accounts	3/31/91	3/31/90	3/31/89	3/31/88	3/31/87	
Number of Weeks	52	52	52	52	52	
	\$000	£000	£000	£000	£000	
Turnover (Sales)	4193	5375	4866	7746	1906	
Net Profit Before Tax	92	693	682	248	169	
Interest Paid	146	166	66	54	45	
Non Trading Income	86	84	13	11	0	
Operating Profit	152	775	735	291	214	
Depreciation	102	115	117	111	75	
Trading Profit	254	890	852	402	289	
Employee Remun.	401	495	300	264	202	
Director Remun.	174	143	324	132	123	
No. of Employees	57	43	37	30	51	
Fixed Assets	324	402	408	380	365	
Intangible Assets	0	0	1	2	0	
Intermediate Assets	108	90	42	29	15	
Total	432	492	451	411	380	
Stocks	2462	2628	2780	1559	1014	
Trade Debtors	202	361	463	422	327	
Other Current Assets	354	312	0	0	18	
Total Current Assets	3018	3301	3243	1981	1359	
Total Assets	3450	3793	3694	2392	1739	·
Less:						
Creditors	177	320	2026	1155	120	
Short term Loans	1261	1170	0	0	526	
Other current Liabl.		502	0	0	106	
Total Current Liabl.	1522	1992	2026	1155	752	
Net Assets	1928	1801	1668	1237	987	
Shareholders Funds	1861	1725	1595	1151	938	
Long Term Loans	25	35	34	49	21	
Other Long Term Liabl.	42	41	39	37	28	
Canital Frankrund	1020	1001	1778	1727	097	
		1801	1008	1257	201	
Reserve	1860	1724	1589	1150	937	
Rate of Return						
Return on Capital	4.8	38.5	40.9	20.0	17.1	
Return on Assets	2.7	18.3	18.5	10.4	9.7	
Return on Shrhldrs Fund	4.9	40.2	42.8	21.5	18.0	
Profit Margins						
Trading Profit Margin	6.1	16.7	17.5	17.9	15.2	
Operating Profit Margin	3.6	14.6	15.1	13.0	11.2	
Pre Tax Profit Margin	2.2	13.0	14.0	11.0	8.9	
Turnover Ratios						
Asset Utilisation	121.5	140.4	131.7	93.9	109.6	
Sales/Fixed Assets	12.9	13.2	11.9	5.9	5.2	
Sales/Slocks Credit Deriod	1.7	2.0	1.8	1.4	1.9	
Creditions Ratio	18 15 <i>4</i>	25 21.0	33	עס 1977	03 73 A	
Working Cap./Sales	35.7	24.6	25.0	36.8	31.8	
	55.7	21.0	25.0	50.0	51.0	
Liquidity Ratio	2.0	17	16	17	1.0	
Quick Ratio	0.4	0.3	0.2	0.4	1.8 0.5	
Cearing Ratio						
Borrowing Ratio	69.1	69.9	21	43	58 3	
Equity Gearing	0.5	0.5	0.4	0.5	0.5	
Income Gearing	61.3	19.3	8.8	17.9	21.0	
Total Debt/Work. Cap.	0.9	0.9	0.0	0.1	0.9	
	13	2.0	2.1	4.3	2.2	

HEAVESTOW LTD

Date or Accounts	9/30/91	9/30/90	9/30/89	9/30/88	9/30/87	
Number of Weeks	52	52	52	52	52	
	£000	£000£	0003	£000	000£	
Turnover (Sales)	2203	35/13	2731	2464	151	
Net Profit Before Tax	56	-644	821	601	-60	
Interest Paid	247	264	147	151	11	
Non Trading Income	4	4	2	4	0	
Operating Profit	299	-384	966	748	-49	
Depreciation	46	52	48	20	11	
Trading Profit	345	-332	1014	768	-38	
Employee Remun.	149	176	127	65	26	
No. of Employees	29	4//	7	- 7		
	,		,	,	5	
Fixed Assets	128	150	192	132	58	
Intangible Assets	0	0	0	0	0	
Intermediate Assets	216	216	215	214		
T-4-1	244	244	407	244	60	
10(a)	344	306	407	346	58	
Stocks	1292	1783	2739	1231	841	
Trade Debtors	5	1,05	2,39	8	40	
Other Current Assets	766	893	56	51	33	
					•••••••	••••
Total Current Assets	2063	2677	2797	1290	914	
Total Assets	2407	3043	3204	1636	972	
						-
Less:						
Creditors	47	121	79	47	40	
Other current Liabl	447	978 433	109	231	427	
		155		251		••••••
Total Current Liabl.	1751	1532	1199	599	822	
Net Assets	656	1511	2005	1037	150	
			2000			
Shareholders Funds	656	634	1064	632	6	
Long Term Loans	0	877	941	405	144	
Other Long Term Liabl.	0	0	0	0	0	
Capital Employed	656	1511	2005	1037	150	
Reserve	645	673	1053	621	6	
	040	025	1055	021	v	
Rate of Return						
Return on Capital	8.5	-42.6	40.9	58.0	-40.0	
Return on Assets Return on Shrhlder Fund	2.3	-21.2	25.6	36.7	-6.2	
Retain on Shimars Fund	8.5	-101.6	11.2	93.1	-1000.0	
Profit Margins						
Trading Profit Margin	15.0	-9.4	37.1	31.2	-25.2	
Operating Profit Margin	13.0	-10.8	35.4	30.4	-32.5	
Pre Tax Profit Margin	2.4	-18.2	30.1	24.4	-39.7	
Turnover Dation						
Asset Utilisation	95 3	116.4	85 7	150.6	15 5	
Sales/Fixed Assets	17.9	23.6	14.2	18.7	2.6	
Sales/Stocks	1.8	2.0	1.0	2.0	0.2	
Credit Period	1	0	0	1	97	
Creditiors Ratio	7.5	12.5	10.6	7.0	96.7	
Working Cap./Sales	13.6	32.3	58.5	28.0	60.9	
Liquidity Patio						
	12	17	23	22	11	
Ouick Ratio	0.4	0.6	2.3	0.1	0.1	
	0.1		2.0	5.1	3.1	
Gearing Ratio						
Borrowing Ratio	191.6	292.6	98.7	114.9	9516.7	
Equity Gearing	0.3	0.2	0.3	0.4	0.0	
Income Gearing	81.5	-69.5	15.2	20.1	-22.4	
Debt Gearing	4.0	1.6 14x 4	0.7 xx 4	1.1 64 I	6.2 2400 0	
	0.0	130.3	00.4	Um. 1	2400.0	

JENNINGS HOMES LTD

Date of Accounts	7/31/01	7/31/00	7/21/00	7/21/00	7/21/07	
Number of Weeks	//31/91 52	//31/90 52	7/31/89 52	//31/88 57	1/31/87 52	
	£000	£000£	£000	£000	1000	
Turnover (Sales)	5206	5072	3742	3911	2860	
Interest Paid	1012	1631 25	1273	929	306 47	
Non Trading Income	84	43	18	9	12	
Operating Profit	957	1613	1276	930	341	
Depreciation	35	27	24	22	16	
Trading Profit	992	1640	1300	952	357	
Director Remun.	241 119	222	233 122	105	132	
No. of Employees	16	16	16	14	12	
Fixed Arests					(2)	
Intangible Assets	م 28 ا	82	71	72	63 N	
Intermediate Assets	142	142	123	0	2	
						••••••
Total	300	224	194	72	65	
Stocks	2352	2662	1527	1079	956	
Trade Debtors	140	27	5	7	63	
Other Current Assets	1243	1011	756	279	247	
Total Current Assets	3735	3700	2288	1365	1266	
Total Assets	4035	392.4	2487	1437	1331	
			- 104	- ~ /		
Less:						
Creditors	1053	1444	593	410	430	
Short term Loans Other current Liabl	44	132	176	18	73	
	1001	1159	1086	429		••••••
Total Current Liabl.	2764	2735	1855	857	855	
Net Assets	1271	1189	627	580	476	
Shareholders Funds	1206	1149	595	531	430	
Cong Lenn Loans Other Long Term Liabl	39 26	22	16 16	22	16 30	
	2 . 9	10				
Capital Employed	1271	1189	627	580	476	
				the second se		
	1206					
i ceserve		1149	594	530	429	
i Keserve		1149	594	530	429	
Rate of Return		1149	594	530	429	
Reserve Rate of Return Return on Capital Datum on darita	79.6	1149 137.2	594 203.0	530	429 64.3	
Reserve Rate of Return Return on Capital Return on Assets Return on Shrhdrs Fund	79.6 25.1 83 9	1149 137.2 41.6 141 9	594 203.0 51.3 213 0	530 160.2 64.6 175.0	429 64.3 23.0 71 2	
Reserve Rate of Return Return on Capital Return on Assets Return on Shrhidrs Fund	79.6 25.1 83.9	1149 137.2 41.6 141.9	594 203.0 51.3 213.9	530 160.2 64.6 175.0	429 64.3 23.0 71.2	
Reserve Rate of Return Return on Capital Return on Shrhldrs Fund Profit Margins	79.6 25.1 83.9	1149 137.2 41.6 141.9	594 203.0 51.3 213.9	530 160.2 64.6 175.0	429 64.3 23.0 71.2	
Reserve Rate of Return Return on Capital Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Constraine Deofe Margin	79.6 25.1 83.9	1149 137.2 41.6 141.9 32.3	594 203.0 51.3 213.9 34.7	530 160.2 64.6 175.0 24.3	429 64.3 23.0 71.2 12.5	
Reserve Rate of Return Return on Capital Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin	79.6 25.1 83.9 19.1 18.4 19.4	1149 137.2 41.6 141.9 32.3 31.8 32.2	594 203.0 51.3 213.9 34.7 34.1 34.0	530 160.2 64.6 175.0 24.3 23.8 23.8	429 64.3 23.0 71.2 12.5 11.9 10.7	
Reserve Rate of Return Return on Capital Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin	79.6 25.1 83.9 19.1 18.4 19.4	1149 137.2 41.6 141.9 32.3 31.8 32.2	594 203.0 51.3 213.9 34.7 34.1 34.0	530 160.2 64.6 175.0 24.3 23.8 23.8	429 64.3 23.0 71.2 12.5 11.9 10.7	
Reserve Rate of Return Return on Capital Return on Assets Return on Shrhdrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios	79.6 25.1 83.9 19.1 18.4 19.4	1149 137.2 41.6 141.9 32.3 31.8 32.2	594 203.0 51.3 213.9 34.7 34.1 34.0	530 160.2 64.6 175.0 24.3 23.8 23.8	429 64.3 23.0 71.2 12.5 11.9 10.7	
Reserve Rate of Return Return on Capital Return on Assets Return on Shrhdrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation	79.6 25.1 83.9 19.1 18.4 19.4	1149 137.2 41.6 141.9 32.3 31.8 32.2 129.3	594 203.0 51.3 213.9 34.7 34.1 34.0 150.8	530 160.2 64.6 175.0 24.3 23.8 23.8 23.8	429 64.3 23.0 71.2 12.5 11.9 10.7 214.9	
Reserve Rate of Return Return on Capital Return on Assets Return on Shrhdrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Fixed Assets	79.6 25.1 83.9 19.1 18.4 19.4 129.0 32.9 2 2	1149 137.2 41.6 141.9 32.3 31.8 32.2 129.3 61.9	594 203.0 51.3 213.9 34.7 34.1 34.0 150.8 52.7	530 160.2 64.6 175.0 24.3 23.8 23.8 23.8 272.2 54.3 3.6	429 64.3 23.0 71.2 12.5 11.9 10.7 214.9 45.4 3.0	
Reserve Rate of Return Return on Capital Return on Assets Return on Shrhidrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Stocks Sales/Stocks Credit Period	79.6 25.1 83.9 19.1 18.4 19.4 129.0 32.9 2.2 10	1149 137.2 41.6 141.9 32.3 31.8 32.2 129.3 61.9 1.9 2	594 203.0 51.3 213.9 34.7 34.1 34.0 150.8 52.7 2.5 0	530 160.2 64.6 175.0 24.3 23.8 23.8 23.8 272.2 54.3 3.6 1	429 64.3 23.0 71.2 12.5 11.9 10.7 214.9 45.4 3.0 8	
Reserve Rate of Return Return on Capital Return on Assets Return on Shrhidrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Stocks Sales/Stocks Credit Period Creditiors Ratio	79.6 25.1 83.9 19.1 18.4 19.4 129.0 32.9 2.2 10 73.8	1149 137.2 41.6 141.9 32.3 31.8 32.2 129.3 61.9 1.9 2 103.9	594 203.0 51.3 213.9 34.7 34.1 34.0 150.8 52.7 2.5 0 57.8	530 160.2 64.6 175.0 24.3 23.8 23.8 23.8 272.2 54.3 3.6 1 38.3	429 64.3 23.0 71.2 12.5 11.9 10.7 214.9 45.4 3.0 8 54.9	
Reserve Rate of Return Return on Capital Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Creditiors Ratio Working Cap./Sales	79.6 25.1 83.9 19.1 18.4 19.4 129.0 32.9 2.2 10 73.8 18.7	1149 137.2 41.6 141.9 32.3 31.8 32.2 129.3 61.9 1.9 2 103.9 19.0	594 203.0 51.3 213.9 34.7 34.1 34.0 150.8 52.7 2.5 0 57.8 11.6	530 160.2 64.6 175.0 24.3 23.8 23.8 272.2 54.3 3.6 1 38.3 13.0	429 64.3 23.0 71.2 12.5 11.9 10.7 214.9 45.4 3.0 8 54.9 14.4	
Reserve Rate of Return Return on Capital Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Creditiors Ratio Working Cap./Sales	79.6 25.1 83.9 19.1 18.4 19.4 129.0 32.9 2.2 10 73.8 18.7	1149 137.2 41.6 141.9 32.3 31.8 32.2 129.3 61.9 1.9 2 103.9 19.0	594 203.0 51.3 213.9 34.7 34.1 34.0 150.8 52.7 2.5 0 57.8 11.6	530 160.2 64.6 175.0 24.3 23.8 23.8 272.2 54.3 3.6 1 38.3 13.0	429 64.3 23.0 71.2 12.5 11.9 10.7 214.9 45.4 3.0 8 54.9 14.4	
Reserve Rate of Return Return on Capital Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Creditiors Ratio Working Cap./Sales Liquidity Ratio Liquidity	79.6 25.1 83.9 19.1 18.4 19.4 129.0 32.9 2.2 10 73.8 18.7	1149 137.2 41.6 141.9 32.3 31.8 32.2 129.3 61.9 1.9 2 103.9 19.0	594 203.0 51.3 213.9 34.7 34.1 34.0 150.8 52.7 2.5 0 57.8 11.6	530 160.2 64.6 175.0 24.3 23.8 23.8 272.2 54.3 3.6 1 38.3 13.0 1.6	429 64.3 23.0 71.2 12.5 11.9 10.7 214.9 45.4 3.0 8 54.9 14.4	
Reserve Rate of Return Return on Capital Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Credit Period Creditiors Ratio Working Cap./Sales Liquidity Quick Ratio	79.6 25.1 83.9 19.1 18.4 19.4 129.0 32.9 2.2 10 73.8 18.7 1.4 0.5	1149 137.2 41.6 141.9 32.3 31.8 32.2 129.3 61.9 1.9 2 103.9 19.0 1.4 0.4	594 203.0 51.3 213.9 34.7 34.1 34.0 150.8 52.7 2.5 0 57.8 11.6 1.2 0.4	530 160.2 64.6 175.0 24.3 23.8 23.8 272.2 54.3 3.6 1 38.3 13.0 1.6 0.3	429 64.3 23.0 71.2 12.5 11.9 10.7 214.9 45.4 3.0 8 54.9 14.4 1.5 0.4	
Reserve Rate of Return Return on Capital Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Creditiors Ratio Working Cap./Sales Liquidity Quick Ratio	79.6 25.1 83.9 19.1 18.4 19.4 129.0 32.9 2.2 10 73.8 18.7 1.4 0.5	1149 137.2 41.6 141.9 32.3 31.8 32.2 129.3 61.9 1.9 2 103.9 19.0 1.4 0.4	594 203.0 51.3 213.9 34.7 34.1 34.0 150.8 52.7 2.5 0 57.8 11.6 1.2 0.4	530 160.2 64.6 175.0 24.3 23.8 23.8 272.2 54.3 3.6 1 38.3 13.0 1.6 0.3	429 64.3 23.0 71.2 12.5 11.9 10.7 214.9 45.4 3.0 8 54.9 14.4 1.5 0.4	
Reserve Rate of Return Return on Capital Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Creditiors Ratio Working Cap./Sales Liquidity Quick Ratio Cearing Ratio Borrowing Patio	79.6 25.1 83.9 19.1 18.4 19.4 129.0 32.9 2.2 10 73.8 18.7 1.4 0.5	1149 137.2 41.6 141.9 32.3 31.8 32.2 129.3 61.9 1.9 2 103.9 19.0 1.4 0.4	594 203.0 51.3 213.9 34.7 34.1 34.0 150.8 52.7 2.5 0 57.8 11.6 1.2 0.4	530 160.2 64.6 175.0 24.3 23.8 23.8 272.2 54.3 3.6 1 38.3 13.0 1.6 0.3 7.5	429 64.3 23.0 71.2 12.5 11.9 10.7 214.9 45.4 3.0 8 54.9 14.4 1.5 0.4	
Reserve Rate of Return Return on Capital Return on Assets Return on Shrhidrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Creditiors Ratio Working Cap./Sales Liquidity Quick Ratio Cearing Ratio Borrowing Ratio Equity Gearing	79.6 25.1 83.9 19.1 18.4 19.4 129.0 32.9 2.2 10 73.8 18.7 1.4 0.5 6.9 0.3	1149 137.2 41.6 141.9 32.3 31.8 32.2 129.3 61.9 1.9 2 103.9 19.0 1.4 0.4 13.4 0.3	594 203.0 51.3 213.9 34.7 34.1 34.0 150.8 52.7 2.5 0 57.8 11.6 1.2 0.4 32.3 0 2	530 160.2 64.6 175.0 24.3 23.8 23.8 272.2 54.3 3.6 1 38.3 13.0 1.6 0.3 7.5 0.4	429 64.3 23.0 71.2 12.5 11.9 10.7 214.9 45.4 3.0 8 54.9 14.4 1.5 0.4 20.7 0.3	
Reserve Rate of Return Return on Capital Return on Assets Return on Shrhidrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Credit Period Creditiors Ratio Working Cap./Sales Liquidity Quick Ratio Gearing Ratio Borrowing Ratio Equity Gearing Income Gearing	79.6 25.1 83.9 19.1 18.4 19.4 129.0 32.9 2.2 10 73.8 18.7 1.4 0.5 6.9 0.3 2.8	1149 137.2 41.6 141.9 32.3 31.8 32.2 129.3 61.9 1.9 2 103.9 19.0 1.4 0.4 13.4 0.3 1.5	594 203.0 51.3 213.9 34.7 34.1 34.0 150.8 52.7 2.5 0 57.8 11.6 1.2 0.4 32.3 0.2 1.6	530 160.2 64.6 175.0 24.3 23.8 23.8 23.8 272.2 54.3 3.6 1 38.3 13.0 1.6 0.3 7.5 0.4 1.1	429 64.3 23.0 71.2 12.5 11.9 10.7 214.9 45.4 3.0 8 54.9 14.4 1.5 0.4 20.7 0.3 13.3	
Reserve Rate of Return Return on Capital Return on Sarbidrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Creditiors Ratio Working Cap./Sales Liquidity Ratio Liquidity Ratio Equity Gearing Income Gearing Total Debt/Work. Cap.	79.6 25.1 83.9 19.1 18.4 19.4 129.0 32.9 2.2 10 73.8 18.7 1.4 0.5 6.9 0.3 2.8 0.1	1149 137.2 41.6 141.9 32.3 31.8 32.2 129.3 61.9 1.9 2 103.9 19.0 1.4 0.4 13.4 0.3 1.5 0.2	594 203.0 51.3 213.9 34.7 34.1 34.0 150.8 52.7 2.5 0 57.8 11.6 1.2 0.4 32.3 0.2 1.6 0.4	530 160.2 64.6 175.0 24.3 23.8 23.8 23.8 272.2 54.3 3.6 1 38.3 13.0 1.6 0.3 7.5 0.4 1.1 0.1	429 64.3 23.0 71.2 12.5 11.9 10.7 214.9 45.4 3.0 8 54.9 14.4 1.5 0.4 20.7 0.3 13.3 0.2	

MOODY HOMES LTD

Date or Accounts	6/30/91	6/30/90	6/30/89	6/30/88	6/30/87	
Number of Weeks	52 £000	\$2 £000	£000	\$2 £000	£000	
T	7005	0.428	02//	142/8	12022	
i urnover (Sales) Net Profit Before Tax	/895	9428	9266	14268	12023	
Interest Paid	251	637	1378	2298	3	
Non Trading Income	24	12	49	56	137	
Operating Profit	1186	1520	1680	5270	2287	
Depreciation	121	119	123	120	82	
Trading Profit	1307	1639	1803	5390	2369	
Employee Remun.	677	565	537	500	345	
Director Remun.	198	219	214	169	130	
No. of Employees	52	62	57	57	43	
Fixed Assets	256	233	302	443	318	
Intangible Assets	0	0	0	0	0	
Intermediate Assets	0	0	0	0	0	••••••
Total	256	233	302	443	318	
Stocks	19514	16035	18844	13731	7939	
Trade Debtors	1118	240	140	872	1657	
Other Current Assets	133	119	121	83	214	••••••
Total Current Assets	20765	16394	19105	14686	9810	
Total Assets	21021	16627	19407	15129	10128	
Less:			1000		000	
	970	880	1239	1041	823	
Short term Loans Other current Liabl.	7562	3803	6692 704	2089	1232 992	
Tatal Comment Links		5202	9/25	£009	2047	••••••
Net Assets	9242	3393	10772	10031	3047	
Iver Assets	11//3	11254	10//2	10031	/081	
Shareholders Funds	11779	11234	10772	10031	7081	
Shareholders Funds Long Term Loans	11779 0	11234 0	10772 0	10031 0	7081 0	
Shareholders Funds Long Term Loans Other Long Term Liabl.	11779 0 0	11234 0 0	10772 0 0	10031 0 0	7081 0 0	
Shareholders Funds Long Term Loans Other Long Term Liabł	11779 0 0 11779	11234 0 0 11234	10772 0 0 10772	10031 0 0 10031	7081 0 0 7081	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve	11779 0 0 11779 11771	11234 0 0 11234 11226	10772 0 0 10772 10765	10031 0 0 10031 10023	7081 0 0 7081 7073	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve	11779 0 0 11779 11771	11234 0 0 11234 11226	10772 0 0 10772 10765	10031 0 0 10031 10023	7081 0 0 7081 7073	
Shareholders Funds Long Term Loans Other Long Term Liabł. Capital Employed Reserve Rate of Return	11779 0 0 11779 11771	11234 0 0 11234 11226	10772 0 0 10772 10765	10031 0 0 10031 10023	7081 0 0 7081 7073	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital	11779 0 0 11779 11771 8.1	11234 0 0 11234 11226 8.0	10772 0 0 10772 10765 14.8	10031 0 0 10031 10023 52.8	7081 0 0 7081 7073 34.2	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Assets	11779 0 0 11779 11771 8.1 4.6	11234 0 0 11234 11226 8.0 5.4	10772 0 0 10772 10765 14.8 8.2	10031 0 0 10031 10023 52.8 35.0	7081 0 0 7081 7073 34.2 23.9	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Assets Return on Shrhldrs Fund	11779 0 0 11779 11771 8.1 4.6 8.1	11234 0 0 11234 11226 8.0 5.4 8.0	10772 0 0 10772 10765 14.8 8.2 14.8	10031 0 0 10031 10023 52.8 35.0 52.8	7081 0 7081 7073 34.2 23.9 34.2	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Assets Return on Shrhidrs Fund Profit Margins	11779 0 0 11779 11771 8.1 4.6 8.1	11234 0 0 11234 11226 8.0 5.4 8.0	10772 0 0 10772 10765 14.8 8.2 14.8	10031 0 0 10031 10023 52.8 35.0 52.8	7081 0 7081 7073 34.2 23.9 34.2	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Sasets Return on Shrhidrs Fund Profit Margins Trading Profit Margin	11779 0 0 11779 11771 8.1 4.6 8.1 16.6	11234 0 0 11234 11226 8.0 5.4 8.0 17.4	10772 0 0 10772 10765 14.8 8.2 14.8 19.5 19.5	10031 0 0 10031 10023 52.8 35.0 52.8 37.8 26.0	7081 0 0 7081 7073 34.2 23.9 34.2 19.7	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Pre Tax Profit Margin	11779 0 0 11779 11771 8.1 4.6 8.1 4.6 8.1 16.6 15.0 12.1	11234 0 0 11234 11226 8.0 5.4 8.0 5.4 8.0 17.4 16.1 9.5	10772 0 0 10772 10765 14.8 8.2 14.8 8.2 14.8 19.5 18.1 17.2	10031 0 0 10031 10023 52.8 35.0 52.8 37.8 36.9 37.1	7081 0 7081 7073 34.2 23.9 34.2 19.7 19.0 20.1	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Shrhidrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Turnover Ratios	11779 0 0 11779 11771 8.1 4.6 8.1 4.6 8.1 16.6 15.0 12.1	11234 0 0 11234 11226 8.0 5.4 8.0 5.4 8.0 17.4 16.1 9.5	10772 0 0 10772 10765 14.8 8.2 14.8 19.5 18.1 17.2	10031 0 0 10031 10023 52.8 35.0 52.8 37.8 36.9 37.1	7081 0 0 7081 7073 34.2 23.9 34.2 19.7 19.0 20.1	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Assets Return on Shrhidrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Turnover Ratios Asset Utilisation	11779 0 0 11779 11771 8.1 4.6 8.1 4.6 8.1 16.6 15.0 12.1 37.6	11234 0 0 11234 11226 8.0 5.4 8.0 5.4 8.0 17.4 16.1 9.5 56.7	10772 0 0 10772 10765 14.8 8.2 14.8 8.2 14.8 19.5 18.1 17.2 47.7	10031 0 0 10031 10023 52.8 35.0 52.8 37.8 36.9 37.1 36.9 37.1 94.3	7081 0 0 7081 7073 34.2 23.9 34.2 19.7 19.0 20.1 118.7	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets	11779 0 0 11779 11771 8.1 4.6 8.1 4.6 8.1 16.6 15.0 12.1 37.6 30.8	11234 0 0 11234 11226 8.0 5.4 8.0 17.4 16.1 9.5 56.7 40.5	10772 0 0 10772 10765 14.8 8.2 14.8 19.5 18.1 17.2 47.7 30.7	10031 0 0 10031 10023 52.8 35.0 52.8 37.8 36.9 37.1 94.3 32.2	7081 0 7081 7073 34.2 23.9 34.2 19.7 19.0 20.1 118.7 37.8	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Sixecks	11779 0 0 11779 11771 8.1 4.6 8.1 4.6 8.1 16.6 15.0 12.1 37.6 30.8 0.4	11234 0 0 11234 11226 8.0 5.4 8.0 5.4 8.0 17.4 16.1 9.5 56.7 40.5 0.6	10772 0 0 10772 10765 14.8 8.2 14.8 19.5 18.1 17.2 47.7 30.7 0.5	10031 0 0 10031 10023 52.8 35.0 52.8 37.8 36.9 37.1 94.3 32.2 1.0	7081 0 0 7081 7073 34.2 23.9 34.2 19.7 19.0 20.1 118.7 37.8 1.5	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Capital Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period	11779 0 0 11779 11771 8.1 4.6 8.1 16.6 15.0 12.1 37.6 30.8 0.4 52	11234 0 0 11234 11226 8.0 5.4 8.0 5.4 8.0 17.4 16.1 9.5 56.7 40.5 0.6 9	10772 0 0 10772 10765 14.8 8.2 14.8 19.5 18.1 17.2 47.7 30.7 0.5 6	10031 0 0 10031 10023 52.8 35.0 52.8 37.8 36.9 37.1 94.3 32.2 1.0 22	7081 0 0 7081 7073 34.2 23.9 34.2 19.7 19.0 20.1 118.7 37.8 1.5 50	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Capital Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios Aasset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Creditiors Ratio	11779 0 0 11779 11771 8.1 4.6 8.1 4.6 8.1 16.6 15.0 12.1 37.6 30.8 0.4 52 44.8	11234 0 0 11234 11226 8.0 5.4 8.0 5.4 8.0 17.4 16.1 9.5 56.7 40.5 0.6 9 34.1	10772 0 0 10772 10765 14.8 8.2 14.8 19.5 18.1 17.2 47.7 30.7 0.5 6 48.8	10031 0 0 10031 10023 52.8 35.0 52.8 37.8 36.9 37.1 94.3 32.2 1.0 22 26.6	7081 0 0 7081 7073 34.2 23.9 34.2 19.7 19.0 20.1 118.7 37.8 1.5 50 25.0	
Shareholders Funds Long Term Loans Other Long Term Liabl.	11779 0 0 11779 11771 8.1 4.6 8.1 4.6 8.1 16.6 15.0 12.1 37.6 30.8 0.4 52 44.8 146.0	11234 0 0 11234 11226 8.0 5.4 8.0 5.4 8.0 17.4 16.1 9.5 56.7 40.5 0.6 9 34.1 116.7	10772 0 0 10772 10765 14.8 8.2 14.8 19.5 18.1 17.2 47.7 30.7 0.5 6 48.8 113.0	10031 0 0 10031 10023 52.8 35.0 52.8 37.8 36.9 37.1 94.3 32.2 1.0 22 26.6 67.2	7081 0 0 7081 7073 34.2 23.9 34.2 23.9 34.2 19.7 19.0 20.1 118.7 37.8 1.5 50 25.0 56.3	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios Sales/Fixed Assets Sales/Stocks Credit Period Creditiors Ratio Working Cap./Sales Liquidity Ratio Liquidity Ratio Liquidity Ratio	11779 0 0 11779 11771 8.1 4.6 8.1 4.6 8.1 16.6 15.0 12.1 37.6 30.8 0.4 52 44.8 146.0	11234 0 0 11234 11226 8.0 5.4 8.0 5.4 8.0 17.4 16.1 9.5 56.7 40.5 0.6 9 34.1 116.7	10772 0 0 10772 10765 14.8 8.2 14.8 19.5 18.1 17.2 47.7 30.7 0.5 6 48.8 113.0	10031 0 0 10031 10023 52.8 35.0 52.8 37.8 36.9 37.1 94.3 32.2 1.0 22 26.6 67.2	7081 0 0 7081 7073 34.2 23.9 34.2 19.7 19.0 20.1 118.7 37.8 1.5 50 25.0 56.3	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Capital Return on Shrhidrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocka Credit Period Creditiors Ratio Working Cap./Sales Liquidity Ratio Liquidity Ratio Liquidity Quick Ratio	11779 0 0 11779 11771 8.1 4.6 8.1 4.6 8.1 16.6 15.0 12.1 37.6 30.8 0.4 52 44.8 146.0 2.2 0.1	11234 0 0 11234 11226 8.0 5.4 8.0 5.4 8.0 17.4 16.1 9.5 56.7 40.5 0.6 9 34.1 116.7 3.0 0.1	10772 0 0 10772 10765 14.8 8.2 14.8 19.5 18.1 17.2 47.7 30.7 0.5 6 48.8 113.0 2.2 0.0	10031 0 0 10031 10023 52.8 35.0 52.8 37.8 36.9 37.1 94.3 32.2 1.0 22 26.6 67.2 2.9 0.2	7081 0 0 7081 7073 34.2 23.9 34.2 19.7 19.0 20.1 118.7 37.8 1.5 50 25.0 56.3 3.2 0.6	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Capital Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Creditors Ratio Working Cap./Sales Liquidity Quick Ratio Gearing Ratio	11779 0 0 11779 11771 8.1 4.6 8.1 4.6 8.1 16.6 15.0 12.1 37.6 30.8 0.4 52 44.8 146.0 2.2 0.1	11234 0 0 11234 11226 8.0 5.4 8.0 5.4 8.0 17.4 16.1 9.5 56.7 40.5 0.6 9 34.1 116.7 3.0 0.1	10772 0 0 10772 10765 14.8 8.2 14.8 19.5 18.1 17.2 47.7 30.7 0.5 6 48.8 113.0 2.2 0.0	10031 0 0 10031 10023 52.8 35.0 52.8 37.8 36.9 37.1 94.3 32.2 1.0 22 26.6 67.2 2.9 0.2	7081 0 0 7081 7073 34.2 23.9 34.2 19.7 19.0 20.1 118.7 37.8 1.5 50 25.0 56.3 3.2 0.6	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Capital Return on Shrhidrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios Sales/Fixed Assets Sales/Sitocks Credit Period Creditiors Ratio Working Cap./Sales Liquidity Ratio Liquidity Ratio Borrowing Ratio Borrowing Ratio	11779 0 0 11779 11771 8.1 4.6 8.1 4.6 8.1 16.6 15.0 12.1 37.6 30.8 0.4 52 44.8 146.0 2.2 0.1 64.2	11234 0 0 11234 11226 8.0 5.4 8.0 5.4 8.0 17.4 16.1 9.5 56.7 40.5 0.6 9 34.1 116.7 3.0 0.1 33.9	10772 0 0 10772 10765 14.8 8.2 14.8 19.5 18.1 17.2 47.7 30.7 0.5 6 48.8 113.0 2.2 0.0 62.1	10031 0 0 10031 10023 52.8 35.0 52.8 37.8 36.9 37.1 94.3 32.2 1.0 22 26.6 67.2 2.9 0.2 19.6	7081 0 0 7081 7073 34.2 23.9 34.2 19.7 19.0 20.1 118.7 37.8 1.5 50 25.0 56.3 3.2 0.6 17.4	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Capital Return on Shrhildrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocka Credit Period Creditiors Ratio Working Cap./Sales Liquidity Rutio Liquidity Ratio Liquidity Rutio Gearing Ratio Borrowing Ratio Equity Gearing	11779 0 0 11779 11771 8.1 4.6 8.1 4.6 8.1 16.6 15.0 12.1 37.6 30.8 0.4 52 44.8 146.0 2.2 0.1 64.2 0.6	11234 0 0 11234 11226 8.0 5.4 8.0 17.4 16.1 9.5 56.7 40.5 0.6 9 34.1 116.7 3.0 0.1 33.9 0.7	10772 0 0 10772 10765 14.8 8.2 14.8 19.5 18.1 17.2 47.7 30.7 0.5 6 48.8 113.0 2.2 0.0 6 62.1 0.6	10031 0 0 10031 10023 52.8 35.0 52.8 37.8 36.9 37.1 94.3 32.2 1.0 22 26.6 67.2 2.9 0.2 19.6 0.7	7081 0 0 7081 7073 34.2 23.9 34.2 19.7 19.0 20.1 118.7 37.8 1.5 50 25.0 56.3 3.2 0.6 17.4 0.7	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Capital Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Turnover Ratios Sales/Fixed Assets Sales/Stocks Credit Period Creditors Ratio Working Cap./Sales Liquidity Ratio Liquidity Ratio Equity Gearing Income Gearing Equity Gearing Income Gearing Equity Gearing Income Gearing Equity Gearing Income Gearing Equity Gearing	11779 0 0 11779 11771 8.1 4.6 8.1 4.6 8.1 16.6 15.0 12.1 37.6 30.8 0.4 52 44.8 146.0 2.2 0.1 64.2 0.6 20.7	11234 0 0 11234 11226 8.0 5.4 8.0 5.4 8.0 17.4 16.1 9.5 56.7 40.5 0.6 9 34.1 116.7 3.0 0.1 33.9 0.7 41.6	10772 0 0 10772 10765 14.8 8.2 14.8 19.5 18.1 17.2 47.7 30.7 0.5 6 48.8 113.0 2.2 0.0 62.1 0.6 7.6	10031 0 0 10031 10023 52.8 35.0 52.8 37.8 36.9 37.1 94.3 32.2 1.0 22 26.6 67.2 2.9 0.2	7081 0 0 7081 7073 34.2 23.9 34.2 19.7 19.0 20.1 118.7 37.8 1.5 50 25.0 56.3 3.2 0.6 17.4 0.7 0.1	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Capital Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Turnover Ratios Sales/Fixed Assets Sales/Stocks Credit Period Creditiors Ratio Working Cap./Sales Liquidity Ratio Liquidity Gearing Tocome Gearing Total Debt/Work. Cap.	11779 0 0 11779 11771 8.1 4.6 8.1 4.6 8.1 16.6 15.0 12.1 37.6 30.8 0.4 52 44.8 146.0 2.2 0.1 64.2 0.6 20.7 0.7	11234 0 0 11234 11226 8.0 5.4 8.0 5.4 8.0 17.4 16.1 9.5 56.7 40.5 0.6 9 34.1 116.7 3.0 0.1 33.9 0.7 41.6 0.3	10772 0 0 10772 10765 14.8 8.2 14.8 19.5 18.1 17.2 47.7 30.7 0.5 6 48.8 113.0 2.2 0.0 62.1 0.6 7.6 0.6	10031 0 0 10031 10023 52.8 35.0 52.8 37.8 36.9 37.1 94.3 32.2 1.0 22 26.6 67.2 2.9 0.2 19.6 0.7 0.5 0.2	7081 0 0 7081 7073 34.2 23.9 34.2 23.9 34.2 19.7 19.0 20.1 118.7 37.8 1.5 50 25.0 56.3 3.2 0.6 17.4 0.7 0.1 0.2	

MUIR HOMES LTD

Date or Accounts	1/31/91	1/31/90	1/31/89	1/31/88	1/31/87	
Number of Weeks	52 £000	52 £000	52 £000	52 £000	52 £000	
Turnover (Sales)	5617	7759	7187	5462	5229	
Net Profit Before Tax	1310	1487	1174	657	347	
Interest Paid	81	45	0	31	44	
Non Trading Income	198	277	323	185	35	
Operating Profit	1193	1255	851	503	356	
Depreciation	0	0	0	0	0	
Trading Profit	1193	1255	851	503	356	
Employee Remun.	896	816	622	235	596	
No. of Employees	47	45 74	50 60	60	80 56	
Fixed Assets	0	0	0	0	0	
Intangible Assets	0	0	0	0	0	
Intermediate Assets	0	0	0	0	0	
Total	0	0	0	0	0	
Stocks	7463	5156	3117	3600	4872	
Trade Debtors	34	275	0	0	3	
Other Current Assets		1710	2667	1481	327	
Total Current Assets	8342	7141	5784	5081	5202	
I OTAI ASSETS	8342	/141	5/84	5081	5202	
Less:	107	254		10	14	
Creditors	193	254	82	49	16	
Other current Liabl.	929	1102	2019 767	822	2800 875	
Total Current Liabl.	3053	3101	2868	3112	3757	
Net Assets	5289	4040	2916	1969	1445	
Shareholders Funds	4918	4040	2916	1969	1445	
Long Term Loans	363	0	0	0	0	
Other Long Term Liabl.		0	0	0	0	
Capital Employed	5289	4040	2916	1969	1445	
Reserve	4918	4040	2916	1969	1445	
Rate of Return						
Return on Capital	24.8	36.8	40.3	33.4	24.0	
Return on Assets	15.7	20.8	20.3	12.9	6.7	
Return on Shrhldrs Fund	26.6	36.8	40.3	33.4	24.0	
Profit Margins						
Trading Profit Margin	21.2	16.2	11.8	9.2	6.8	
Operating Profit Margin	21.2	16.2	11.8	9.2	6.8	
Pre Tax Profit Margin	23.3	19.2	16.3	12.0	6.6	
Turnover Ratios						
Asset Utilisation	67.3	108.7	124.3	107.5	100.5	
Sales/Fixed Assets	30.35*	25.57*	24.02*	28.98*	24.56*	
Gredit Period	0.8	1.5	2.3	1.5	1.1	
Creditions Ratio	12.5	11 9	42	33	11	
Working Cap./Sales	94.2	52.1	40.6	36.0	27.6	
Liquidity Ratio						
Liquidity	2.7	2.3	2.0	1.6	1.4	
Quick Ratio	0.3	0.6	0.9	0.5	0.1	
Gearing Ratio	•					
Borrowing Ratio	46.6	43.2	69.2	113.8	198.3	
Equity Gearing	0.6	0.6	0.5	0.4	0.3	
Income Gearing Total Debt/Work Can	5.8	2.9	0.0	4.5	11.3	
Debt Gearing	7.4	0.4	0.0	0.0	0.0	<u> </u>

*Average

D. NORTH HOMES LTD

	0/00/01	0/20/20	0/20/22	0/20/20	0/20/27	
Date of Accounts Number of Weeks	9/30/91 52	9/30/90 52	9/30/89 52	9/30/88 52	9/30/87 52	
I VUILIDET OF WEEKS	£000	£000	£000	£000	£0000	
Turnover (Sales)	5406	5091	12231	8109	5710	
Net Profit Before Tax	256	576	2828	1026	419	
Interest Paid	515	443	270	148	127	
Operating Profit	756	1007	3088	1160	531	
Depreciation	116	115	121	107	80	
Trading Profit	872	1122	3209	1267	611	
Employee Remun.	712	801	737	660	576	
Director Remun.	174	142	147	104	81	
No. of Employees	54	57	61	60	62	
Fixed Assets	378	461	374	355	266	
Intangible Assets	0	0	0	0	0	
Intermediate Assets	0	0	0	0	0	
Total	378	461	374	355	266	
Stocks	6544	6224	4585	1646	1350	
Trade Debtors	22	21	90	51	85	
Other Current Assets		908	2185	1794	775	
Total Current Assets	6631	7153	6860	3491	2210	
Total Assets	7009	7614	7234	3846	2476	
less:						
Creditors	338	222	845	819	525	
Short term Loans	2586	2988	1260	116	105	
Other current Liabl.	409	758	1805	990	231	
Total Current Liabl.	3333	3968	3910	1925	861	
Net Assets	3676	3646	3324	1921	1615	
Shareholders Funds	3527	3405	3001	1567	1284	
Long Term Loans	149	241	323	353	326	
Other Long Term Liabl.	0	0	0	1	5	
Capital Employed	3676	3646	3324	1921	1615	
	3217	2205	2000	1545	1272	
Reserve	3517	3395	2990	1545	1272	
Rate of Return						
Return on Capital	7.0	15.8	85.1	53.4	25.9	
Return on Assets	3.7	7.6	39.1	26.7	16.9	
Return on Shrhldrs Fund	7.3	16.9	94.2	65.5	32.6	
Profit Margins						
Trading Profit Margin	16.1	22.0	26.2	15.6	10.7	
Operating Profit Margin	14.0	19.8	25.2	14.3	9.3	
FIC LAX PTOIN MIAIRIN	4.7	11.3	23.1	12.7	1.3	
Turnover Ratios						
Asset Utilisation	77.1	66.9	169.1	210.8	230.6	
Sales/Stocks	14.3	11.0	32.7	22.8	21.5	
Credit Period	U.8 1	0.8	2.7	4.9 7	4.2	
Creditiors Ratio	22.8	15.9	25.2	36.9	33.6	
Working Cap./Sales	61.0	62.6	24.1	19.3	23.6	
Liquidity Ratio						
Liquidity	2.0	1.8	1.8	1.8	2.6	
Oniak Batia	2.0	1.0	0.6	1.0	1.0	
Quick Ratio	0.0	0.2	010			
Gearing Ratio	0.0	0.2				
Gearing Ratio Borrowing Ratio	0.0 77.5	94.8	52.7	29.9	33.6	
Gearing Ratio Borrowing Ratio Equity Gearing	0.0 77.5 0.5	94.8 0.4	52.7 0.4	29.9 0.4	33.6 0.5	
Gearing Ratio Borrowing Ratio Equity Gearing Income Gearing	0.0 77.5 0.5 66.8	94.8 0.4 43.5	52.7 0.4 8.7	29.9 0.4 12.6	33.6 0.5 23.3	
Gearing Ratio Borrowing Ratio Equity Gearing Income Gearing Total Debt/Work. Cap.	0.0 77.5 0.5 66.8 0.8	94.8 0.4 43.5 1.0	52.7 0.4 8.7 0.5	29.9 0.4 12.6 0.3	33.6 0.5 23.3 0.3	

ORION DEVELOPMENTS

				101.000		
Date of Accounts Number of Weeks	1/31/91	1/31/90 52	1/31/89	1/31/88	1/31/87 52	
A THINKE OF THEERS	£000	£000	£000	£000	£000	
Turnover (Sales)	4568	4013	4010	2564	2358	
Net Profit Before Tax	1022	1250	1138	312	201	
Interest Paid	315	105	59	106	91	
Operating Profit	1337	1355	1188	3 415	291	
Depreciation	52	40	35	38	36	
Trading Profit	1389	1395	1223	453	327	
Employee Remun.	317	217	244	199	220	
Director Remun.	103	74	54	52	86	
No. of Employees	31	18	20	20	19	
Fived Assets	410	89	113	94	115	
Intangible Assets	0	0	0	0	0	
Intermediate Assets	15	79	69	7	0	
Total	425	168	182	101	115	
Stocks		(E(*	1052	1769	1242	
Trade Debtors	1775	0201	1953	1/08	1343	
Other Current Assets	337	545	398	46	68	
Total Current Assets	8558	7251	2492	2032	1641	
Total Assets	8983	7419	2674	2133	1756	·
Less:						
Creditors	701	542	589	515	341	
Short term Loans	3239	548	146	566	598	
Other current Liabl.	1848	4416	834	399	319	
Total Current Liabl.	5788	5506	1569	1480	1258	
Net Assets	3195	1913	1105	653	498	
		·····				
Shareholders Funds	2928	1788	960	471	297	
Shareholders Funds Long Term Loans	2928 267	1788 125	960 145	471 182	297 201	
Shareholders Funds Long Term Loans Other Long Term Liabl.	2928 267 0	1788 125 0	960 145 0	471 182 0	297 201 0	
Shareholders Funds Long Term Loans Other Long Term Liabl.	2928 267 0 3195	1788 125 0	960 145 0	471 182 0	297 201 0	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed	2928 267 0 3195	1788 125 0 1913	960 145 0 1105	471 182 0 653	297 201 0 498	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve	2928 267 0 3195 2314	1788 125 0 1913 1715	960 145 0 1105 898	471 182 0 653 409	297 201 0 498 235	
Sharcholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return	2928 267 0 3195 2314	1788 125 0 1913 1715	960 145 0 1105 898	471 182 0 653 409	297 201 0 498 235	
Sharcholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital	2928 267 0 3195 2314 32.0	1788 125 0 1913 1715 65.3	960 145 0 1105 898	471 182 0 653 409 47.8	297 201 0 498 235 40.4	
Sharcholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Assets	2928 267 0 3195 2314 32.0 11.4	1788 125 0 1913 1715 65.3 16.8	960 145 0 1105 898 103.0 42.6	471 182 0 653 409 47.8 14.6	297 201 0 498 235 40.4 11.4	
Sharcholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Assets Return on Shrhidrs Fund	2928 267 0 3195 2314 32.0 11.4 34.9	1788 125 0 1913 1715 65.3 16.8 69.9	960 145 0 1105 898 103.0 42.6 118.5	471 182 0 653 409 47.8 14.6 66.2	297 201 0 498 235 40.4 11.4 67.7	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Assets Return on Shrhldrs Fund Profit Margins	2928 267 0 3195 2314 32.0 11.4 34.9	1788 125 0 1913 1715 65.3 16.8 69.9	960 145 0 1105 898 103.0 42.6 118.5	471 182 0 653 409 47.8 14.6 66.2	297 201 0 498 235 40.4 11.4 67.7	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin	2928 267 0 3195 2314 32.0 11.4 34.9 30.4	1788 125 0 1913 1715 65.3 16.8 69.9 34.8	960 145 0 1105 898 103.0 42.6 118.5 30.5	471 182 0 653 409 47.8 14.6 66.2 17.7	297 201 0 498 235 40.4 11.4 67.7 13.9	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Shrhidrs Fund Profit Margins Trading Profit Margin	2928 267 0 3195 2314 32.0 11.4 34.9 30.4 29.3	1788 125 0 1913 1715 65.3 16.8 69.9 34.8 33.8	960 145 0 1105 898 103.0 42.6 118.5 30.5 29.6	471 182 0 653 409 47.8 14.6 66.2 17.7 16.2	297 201 0 498 235 40.4 11.4 67.7 13.9 12.3	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin	2928 267 0 3195 2314 32.0 11.4 34.9 30.4 29.3 22.4	1788 125 0 1913 1715 65.3 16.8 69.9 34.8 33.8 31.1	960 145 0 1105 898 103.0 42.6 118.5 30.5 29.6 28.4	471 182 0 653 409 47.8 14.6 66.2 17.7 16.2 12.2	297 201 0 498 235 40.4 11.4 67.7 13.9 12.3 8.5	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios	2928 267 0 3195 2314 32.0 11.4 34.9 30.4 29.3 22.4	1788 125 0 1913 1715 65.3 16.8 69.9 34.8 33.8 31.1	960 145 0 1105 898 103.0 42.6 118.5 30.5 29.6 28.4	471 182 0 653 409 47.8 14.6 66.2 17.7 16.2 12.2	297 201 0 498 235 40.4 11.4 67.7 13.9 12.3 8.5	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation	2928 267 0 3195 2314 32.0 11.4 34.9 30.4 29.3 22.4 50.9	1788 125 0 1913 1715 65.3 16.8 69.9 34.8 33.8 31.1 54.1	960 145 0 1105 898 103.0 42.6 118.5 30.5 29.6 28.4 150.0	471 182 0 653 409 47.8 14.6 66.2 17.7 16.2 12.2 120.2 120.2	297 201 0 498 235 40.4 11.4 67.7 13.9 12.3 8.5 134.3	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Pre Tax Profit Margin Sales/Strucks	2928 267 0 3195 2314 32.0 11.4 34.9 30.4 29.3 22.4 50.9 11.1 50.9	1788 125 0 1913 1715 65.3 16.8 69.9 34.8 33.8 31.1 54.1 45.1 0.6	960 145 0 1105 898 103.0 42.6 118.5 30.5 29.6 28.4 150.0 35.5 21	471 182 0 653 409 47.8 14.6 66.2 17.7 16.2 12.2 120.2 27.3 15	297 201 0 498 235 40.4 11.4 67.7 13.9 12.3 8.5 134.3 20.5 1 9	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period	2928 267 0 3195 2314 32.0 11.4 34.9 30.4 29.3 22.4 50.9 11.1 0.6 36	1788 125 0 1913 1715 65.3 16.8 69.9 34.8 33.8 31.1 54.1 45.1 0.6 13	960 145 0 1105 898 103.0 42.6 118.5 30.5 29.6 28.4 150.0 35.5 2.1 13	471 182 0 653 409 47.8 14.6 66.2 17.7 16.2 12.2 120.2 27.3 1.5 31	297 201 0 498 235 40.4 11.4 67.7 13.9 12.3 8.5 134.3 20.5 1.8 36	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Creditiors Ratio	2928 267 0 3195 2314 32.0 11.4 34.9 30.4 29.3 22.4 50.9 11.1 0.6 36 56.0	1788 125 0 1913 1715 65.3 16.8 69.9 34.8 33.8 31.1 54.1 45.1 0.6 13 49.3	960 145 0 1105 898 103.0 42.6 118.5 30.5 29.6 28.4 150.0 35.5 2.1 13 53.6	471 182 0 653 409 47.8 14.6 66.2 17.7 16.2 12.2 120.2 27.3 1.5 31 73.3	297 201 0 498 235 40.4 11.4 67.7 13.9 12.3 8.5 134.3 20.5 1.8 36 52.8	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Credit Period Credit Period	2928 267 0 3195 2314 32.0 11.4 34.9 30.4 29.3 22.4 50.9 11.1 0.6 36 56.0 60.6	1788 125 0 1913 1715 65.3 16.8 69.9 34.8 33.8 31.1 54.1 45.1 0.6 13 49.3 43.5	960 145 0 1105 898 103.0 42.6 118.5 30.5 29.6 28.4 150.0 35.5 2.1 13 53.6 23.0	471 182 0 653 409 47.8 14.6 66.2 17.7 16.2 12.2 120.2 27.3 1.5 31 73.3 21.5	297 201 0 498 235 40.4 11.4 67.7 13.9 12.3 8.5 134.3 20.5 1.8 36 52.8 16.2	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Capital Return on Assets Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Pre Tax Profit Margin Pre Tax Profit Margin Sales/Fixed Assets Sales/Stocks Credit Period Creditiors Ratio Working Cap./Sales Liquidity Ratio	2928 267 0 3195 2314 32.0 11.4 34.9 30.4 29.3 22.4 50.9 11.1 0.6 36 56.0 60.6	1788 125 0 1913 1715 65.3 16.8 69.9 34.8 33.8 31.1 54.1 45.1 0.6 13 49.3 43.5	960 145 0 1105 898 103.0 42.6 118.5 30.5 29.6 28.4 150.0 35.5 2.1 13 53.6 23.0	471 182 0 653 409 47.8 14.6 66.2 17.7 16.2 12.2 120.2 27.3 1.5 31 73.3 21.5	297 201 0 498 235 40.4 11.4 67.7 13.9 12.3 8.5 134.3 20.5 1.8 36 52.8 16.2	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Capital Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Creditiors Ratio Working Cap./Sales Liquidity	2928 267 0 3195 2314 32.0 11.4 34.9 30.4 29.3 22.4 50.9 11.1 0.6 36 56.0 60.6 1.5	1788 125 0 1913 1715 65.3 16.8 69.9 34.8 33.8 31.1 54.1 45.1 0.6 13 49.3 43.5	960 145 0 1105 898 103.0 42.6 118.5 30.5 29.6 28.4 150.0 35.5 2.1 13 53.6 23.0 1.6	471 182 0 653 409 47.8 14.6 66.2 17.7 16.2 12.2 120.2 27.3 1.5 31 73.3 21.5 1.4	297 201 0 498 235 40.4 11.4 67.7 13.9 12.3 8.5 134.3 20.5 1.8 36 52.8 16.2 1.3	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Capital Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Pre Tax Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Creditiors Ratio Working Cap./Sales Liquidity Ratio Liquidity Quick Ratio	2928 267 0 3195 2314 32.0 11.4 34.9 30.4 29.3 22.4 50.9 11.1 0.6 36 56.0 60.6 1.5 0.1	1788 125 0 1913 1715 65.3 16.8 69.9 34.8 33.8 31.1 54.1 45.1 0.6 13 49.3 43.5 1.3 0.1	960 145 0 1105 898 103.0 42.6 118.5 30.5 29.6 28.4 150.0 35.5 2.1 13 53.6 23.0 1.6 0.3	471 182 0 653 409 47.8 14.6 66.2 17.7 16.2 12.2 120.2 27.3 1.5 31 73.3 21.5 1.4 0.2	297 201 0 498 235 40.4 11.4 67.7 13.9 12.3 8.5 134.3 20.5 1.8 36 52.8 16.2 1.3 0.2	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Capital Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Pre Tax Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Creditiors Ratio Working Cap./Sales Liquidity Ratio Liquidity Quick Ratio Gearing Ratio	2928 267 0 3195 2314 32.0 11.4 34.9 30.4 29.3 22.4 50.9 11.1 0.6 36 56.0 60.6 1.5 0.1	1788 125 0 1913 1715 65.3 16.8 69.9 34.8 33.8 31.1 45.1 0.6 13 49.3 43.5 1.3 0.1	960 145 0 1105 898 103.0 42.6 118.5 30.5 29.6 28.4 150.0 35.5 2.1 13 53.6 23.0 1.6 0.3	471 182 0 653 409 47.8 14.6 66.2 17.7 16.2 12.2 120.2 27.3 1.5 31 73.3 21.5 1.4 0.2	297 201 0 498 235 40.4 11.4 67.7 13.9 12.3 8.5 134.3 20.5 1.8 36 52.8 16.2 1.3 0.2	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Capital Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Creditiors Ratio Working Cap./Sales Liquidity Ratio Liquidity Quick Ratio Gearing Ratio Borrowing Ratio	2928 267 0 3195 2314 32.0 11.4 34.9 30.4 29.3 22.4 50.9 11.1 0.6 36 56.0 60.6 1.5 0.1 119.7	1788 125 0 1913 1715 65.3 16.8 69.9 34.8 33.8 31.1 45.1 0.6 13 49.3 43.5 1.3 0.1 37.6	960 145 0 1105 898 103.0 42.6 118.5 30.5 29.6 28.4 150.0 35.5 2.1 13 53.6 23.0 1.6 0.3 30.3	471 182 0 653 409 47.8 14.6 66.2 17.7 16.2 12.2 120.2 27.3 1.5 31 73.3 21.5 1.4 0.2 158.8	297 201 0 498 235 40.4 11.4 67.7 13.9 12.3 8.5 134.3 20.5 1.8 36 52.8 16.2 1.3 0.2 269.0	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Capital Return on Shrhldrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Operating Profit Margin Pre Tax Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Creditiors Ratio Working Cap./Sales Liquidity Ratio Liquidity Quick Ratio Gearing Ratio Borrowing Ratio Equity Gearing	2928 267 0 3195 2314 32.0 11.4 34.9 30.4 29.3 22.4 50.9 11.1 0.6 36 56.0 60.6 1.5 0.1 119.7 0.3	1788 125 0 1913 1715 65.3 16.8 69.9 34.8 33.8 31.1 54.1 45.1 0.6 13 49.3 43.5 1.3 0.1 37.6 0.2	960 145 0 1105 898 103.0 42.6 118.5 30.5 29.6 28.4 150.0 35.5 2.1 13 53.6 23.0 1.6 0.3 30.3 0.4 150 1.6 0.3 1.6 0.3 1.6 0.3 1.6 0.3 1.6 0.3 1.6 0.3 1.6 0.3 1.6 0.3 1.6 0.3 1.6 0.3 1.6 0.3 1.6 0.3 1.6 0.3 0.4 0.6 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	471 182 0 653 409 47.8 14.6 66.2 17.7 16.2 12.2 120.2 27.3 1.5 31 73.3 21.5 1.4 0.2 158.8 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	297 201 0 498 235 40.4 11.4 67.7 13.9 12.3 8.5 134.3 20.5 1.8 36 52.8 16.2 1.3 0.2 269.0 0.2 21.2	
Shareholders Funds Long Term Loans Other Long Term Liabl. Capital Employed Reserve Rate of Return Return on Capital Return on Capital Return on Shrhidrs Fund Profit Margins Trading Profit Margin Operating Profit Margin Operating Profit Margin Pre Tax Profit Margin Turnover Ratios Asset Utilisation Sales/Fixed Assets Sales/Stocks Credit Period Creditions Ratio Uorking Cap./Sales Liquidity Ratio Liquidity Quick Ratio Gearing Ratio Equity Gearing Income Gearing	2928 267 0 3195 2314 32.0 11.4 34.9 30.4 29.3 22.4 50.9 11.1 0.6 36 56.0 60.6 1.5 0.1 119.7 0.3 23.6 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	1788 125 0 1913 1715 65.3 16.8 69.9 34.8 33.8 31.1 54.1 45.1 0.6 13 49.3 43.5 1.3 0.1 37.6 0.2 7.7 0.4	960 145 0 1105 898 103.0 42.6 118.5 30.5 29.6 28.4 150.0 35.5 2.1 13 53.6 23.0 1.6 0.3 30.3 0.4 4.9 0.3	471 182 0 653 409 47.8 14.6 66.2 17.7 16.2 12.2 120.2 27.3 1.5 31 73.3 21.5 1.4 0.2 158.8 0.2 25.4 1.4	297 201 0 498 235 40.4 11.4 67.7 13.9 12.3 8.5 134.3 20.5 1.8 36 52.8 16.2 1.3 0.2 269.0 0.2 31.2 2.1	

J.A. PYE (OXFORD) HOLDINGS LTD

Date or Accounts	4/7/91	4/7/90	4/7/89	4/7/88	4/7/87	
Number of Weeks	52	52	52	52	52	
	000£	£000	000£	£000£	£000	
T	(2/2)	0000	0250	(72)	0117	
i urnover (Sales) Net Profit Before Tax	6762	9803	9350	6720	8117	
Interest Paid	1310	2706	3227	762	820	
Non Trading Income	624	20	418 54	702	820 55	
Operating Profit	2070	3227	3591	2497	1755	
Depreciation	85	76	84	59	76	
Trading Profit	2155	3303	3675	2556	1831	
Employee Remun.	541	512	416	380	369	
Director Remun.	244	284	229	129	119	
No. of Employees	26	26	26	26	30	
Fixed Assets	970	998	835	838	241	
Intangible Assets	0	0	0	0	0	
Intermediate Assets	2000	0	0	0	0	
Total	2970	998	835	838	241	
Stocks	18369	17693	12065	11679	10023	
Trade Debtors	144	26	129	538	3097	
Other Current Assets	2024	4570	4694	3025	489	
T-AL Comment Associa			1 2000			
Total Current Assets	20537	22289	16888	15242	13609	
Total Assets	23507	23287	17723	16080	13850	
Less:						
Creditors	625	1773	615	492	1089	
Short term Loans	8951	8728	6378	7042	5954	
Other current Liabl.	684	801	934	968	1273	
Total Comment Links	10200	11202	7027	8500	8217	
i otal Curreni Liadi.	10260	11302	1921	8502	8310	
Net Assets	13247	11985	9796	7578	5534	
Shareholders Funds	13148	11664	9147	5914	3602	
Other Long Term Liabl	99	321	649	1004	1883	
Outer Long Term Liabl.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	······································			47	••••••
Capital Employed	133.47	11095	0704	7679	EE 2 A	
	13247	11765	3730	1310	3334	
Reserve	10698	9164	6559	3414	1102	
	10070	2104	0005		1102	
Rate of Return						
Return on Capital	9.9	22.6	32.9	23.8	17.9	
Return on Assets	5.6	11.6	18.2	11.2	7.1	
Return on Shrhldrs Fund	10.0	23.2	35.3	30.5	27.5	
Profit Margins						
Fraung Prom Margin	31.9	33.7	39.3	38.0	22.6	
Operating Front Margin	30.6	32.9	38.4	37.2	21.6	
I V IAN FIORE WARgin	19.4	27.6	34.5	26.9	, 12.2	
Turnover Ratios						
Asset Utilisation	28 8	42.1	52.8	41.8	58.6	
Sales/Fixed Assets	7.0	9.8	11.2	8.0	33.7	
Sales/Stocks	0.4	0.6	0.8	0.6	0.8	
Credit Period	8	1	5	29	139	
Creditiors Ratio	33.7	66.0	24.0	26.7	49.0	
Working Cap./Sales	152.0	112.1	95.8	100.3	65.2	
J						
Liquidity Ratio						
Liquidity	2.0	2.0	2.1	1.8	1.6	
Quick Ratio	0.2	0.4	0.6	0.4	0.4	
Gearing Ratio				= -		
Borrowing Katio	68.1	77.6	76.8	147.2	217.6	
Equily Gearing	0.6	0.5	0.5	0.4	0.3	
Total Debt/Work Con	38.6	16.7	11.5	29.7	45.3	
TOTAL DEOL WORK. Cap.	0.9	0.8	U.8 7 1	1.3 רציני	1.5	
L)ebt (rearmo		/ =	/ 1	/8 /	7/1	

WALTON HOMES LTD

Date or Accounts	3/31/91	3/31/90	3/31/89	3/31/88	3/31/87	
Number of Weeks	52	52	52	52	52	
	£OOO	£000	OOO£	£000	0003	
Turne our (Calar)	10315	11.57	102/1		670	
i urnuver (Sales) Net Profit Before Tev	10315	11456	30264	0631 1007	869	
Interest Daid	841	2884	2201	261	-380	
Non Trading Income	380	4/4	430	201	260	
Onerating Profit	1221	3358	2651	1358	-100	
Depreciation	123	118	82	40	18	
Trading Profit	1344	3476	2733	1398	-82	
Employee Remun.	814	477	433	232	117	
Director Remun.	477	196	225	78	35	
No. of Employees	30	25	24	19	11	
				122	00	
rixed Assets	464	504	5/6	133	80	
Intermediate Assets	46	23	13	2	0	
internediate / Bacta		2.5	15		······	
Total	510	527	589	135	80	
Stocks	7316	6597	6452	3343	3060	
Trade Debtors	0	0	0	0	0	
Other Current Assets	48	410	92	393	160	
	••••••••••••••••••••••••••••••••••••	•••••••••••	•••••			
Total Current Assets	7364	7007	6544	3736	3220	
Total Assets	7874	7534	7133	3871	3300	
			· · ·			
Less:						
Creditors	601	1060	645	471	340	
Short term Loans	1667	715	2955	1290	2158	
Other current Liabi.	1464	1153	/83	938	347	
Total Current Liabl.	3732	2928	4383	2699	2845	
Net Acceto	41.42	4606	2750	1170	45.5	
	4142	4000	2/30	11/2	455	
Shareholders Funds	4142	3606	1750	172	-545	
Long Term Loans	0	1000	1000	1000	1000	
Other Long Term Liabl.	0	0	0	0	0	
	••••••	••••••			•••••••	
Capital Employed	4142	4606	2750	1172	455	
Reserve	4042	3507	1650	72	-645	
Rate of Return						
Return on Capital	20.3	62.6	80.0	93.6	-84.8	
Return on Assets	10.7	38.3	30.9	28.3	-11.7	
Return on Shrhidrs Fund	20.3	80.0	125.8	637.8	70.8	
Profit Margins						
Trading Profit Margin	13.0	30.3	26.6	21.1	-9.4	
Operating From Margin	11.8	29.3	25.8	20.5	-11.5	
I TO TAK FIOIR IVIAIBII	ð.2	23.2	∠1.4	10.5	-44.4	
Turnover Ratios						
Asset Utilisation	131.0	152.1	143.9	171.3	26.3	
Sales/Fixed Assets	22.2	22.7	17.8	49.9	10.9	
Sales/Stocks	1.4	1.7	1.6	2.0	0.3	I
	0	0	0	0	0	
Credit Period	0		22.0	05.0	142.8	
Credit Period Creditions Ratio	21.3	33.8	22.9	25.9	142.0	
Credit Period Creditiors Ratio Working Cap./Sales	21.3 35.2	33.8 35.6	22.9	15.6	43.2	
Credit Period Creditiors Ratio Working Cap./Sales	21.3 35.2	33.8 35.6	22.9 21.1	15.6	43.2	
Credit Period Creditiors Ratio Working Cap./Sales Liquidity Ratio	21.3 35.2	33.8 35.6	22.9	25.9	43.2	
Credit Period Creditiors Ratio Working Cap./Sales Liquidity Ratio Liquidity Ourick Ratio	21.3 35.2 2.0	33.8 35.6 2.4	22.9 21.1	23.9 15.6 1.4	43.2 1.1	
Credit Period Creditiors Ratio Working Cap./Sales Liquidity Ratio Liquidity Quick Ratio	21.3 35.2 2.0 0.0	33.8 35.6 2.4 0.1	22.9 21.1 1.5 0.0	25.9 15.6 1.4 0.1	43.2 1.1 0.1	
Credit Period Creditiors Ratio Working Cap./Sales Liquidity Ratio Liquidity Quick Ratio Gearing Ratio	21.3 35.2 2.0 0.0	33.8 35.6 2.4 0.1	22.9 21.1 1.5 0.0	25.9 15.6 1.4 0.1	43.2 1.1 0.1	
Credit Period Creditiors Ratio Working Cap./Sales Liquidity Ratio Liquidity Quick Ratio Gearing Ratio Borrowing Ratio	21.3 35.2 2.0 0.0	33.8 35.6 2.4 0.1 47.6	22.9 21.1 1.5 0.0 226.0	25.9 15.6 1.4 0.1 1331.4	43.2 1.1 0.1	
Credit Period Creditiors Ratio Working Cap./Sales Liquidity Ratio Liquidity Quick Ratio Gearing Ratio Borrowing Ratio Equity Gearing	21.3 35.2 2.0 0.0 40.2 0.5	33.8 35.6 2.4 0.1 47.6 0.5	2259 21.1 1.5 0.0 226.0 0.2	25.9 15.6 1.4 0.1 1331.4 0.0	43.2 1.1 0.1 -579.4 -0.2	
Credit Period Creditiors Ratio Working Cap./Sales Liquidity Ratio Liquidity Quick Ratio Gearing Ratio Borrowing Ratio Equity Gearing Income Gearing	21.3 35.2 2.0 0.0 40.2 0.5 31.1	33.8 35.6 2.4 0.1 47.6 0.5 14.1	22.9 21.1 1.5 0.0 226.0 0.2 17.0	25.9 15.6 1.4 0.1 1331.4 0.0 19.2	43.2 1.1 0.1 -579.4 -0.2 -286.0	
Credit Period Creditiors Ratio Working Cap./Sales Liquidity Ratio Liquidity Quick Ratio Gearing Ratio Equity Gearing Income Gearing Total Debt/Work. Cap.	40.2 0.5 31.1 0.5	33.8 35.6 2.4 0.1 47.6 0.5 14.1 0.4	22.9 21.1 1.5 0.0 226.0 0.2 17.0 1.8	25.9 15.6 1.4 0.1 1331.4 0.0 19.2 2.2	43.2 1.1 0.1 -579.4 -0.2 -286.0 8.4	

Appendix C

Test Group's Accounts (Final Year's accounts)

WEATHERCOCK PROPERTIES LTD

Failed

Date or Accounts	12/21/01	12/21/00	12/21/90	12/21/99	12/31/97	
Date of Accounts	12/31/91	12/31/90	52	12/31/68	12/31/87	
	£000£	£000	£000	£000	£000£	
Turnover (Sales)	2	253	1089	3945	1377	
Net Profit Before Tax	-3327	-1512	-1123	572	2	
Interest Paid	1250	1142	476	157	40	
Non Trading Income	157	116	3	0	1	
Operating Profit	-2234	-486	-650	729	41	
Depreciation Trading Profit	2228	-430	-570	44	10	
Frading From	-2228	-430	-570	409	224	
Director Remun	218	167	786	418	95	
No. of Employees	4	10,	15	19	28	
· · · · · · · · · · · · · · · · · · ·						
Final Assats	217	1602	2026	504	200	
Fixed Assets	517	1092	2036	594	309	
Intermediate Assets	1728	3989	1951	1028	0	
internet date i lasera	1720			1020		
Total	2045	5681	3987	1622	309	
Stocks	1695	2427	2427	1004	492	
Trade Debtors	362	575	838	236	258	
Other Current Assets	142	494	750	289	33	
			••••••			
Total Current Assets	2199	3496	4015	1529	783	
Total Assets	4244	9177	8002	3151	1092	
Less:						
Creditors	10	38	433	494	408	
Short term Loans	7072	7225	4738	1261	547	
Other current Liabl.	1806	416		360	60	
Total Current Liabl.	8888	7679	5355	2115	1015	
Net Assets	-4644	1498	2647	1036	77	
			· · · · ·			
Shareholders Funds	-4644	58	2629	792	42	
Long Term Loans	0	1440	8	36	35	
Other Long Term Liabi.		0	10	208	0	
Canital Employed	-4644	1498	2647	1036	77	
Reserve	-4644	58	2629	792	42	
Rate of Return						
Return on Capital	-	-100.9	-42.4	55.2	2.6	
Return on Assets	-78.4	-16.5	-14.0	18.2	0.2	
Return on Shrhldrs Fund	-	-2606.9	-42.7	72.2	4.8	
Profit Margins	111.000.0	1 20 0	5 0 0			
Traung Front Margin	-111400.0	-170.0	-52.3	19.6	4.1	
Operating Floin Margin Pre Tay Profit Margin	-111/00.0	-192.1	-39./	18.5	3.0	
	-100350.0	-397.0	-105.1	14.5	0.1	
Turnover Ratios						
Asset Utilisation	0.0	2.8	13.6	125.2	126.1	
Sales/Fixed Assets	0.0	0.1	0.5	6.6	4.5	
Sales/Stocks	0.0	0.1	0.4	3.9	2.8	
Credit Period	66065	830	281	22	68	
Understand Can /Sales	1825.0	54.8 -1652 4	145.1 -123.0	45.7	108.1	
	-334430.0	-1055.4	-143.0	-14.7	-10.0	
Liquidity Ratio						
Liquidity	0.2	0.5	0.7	0.7	0.8	
Quick Ratio	0.1	0.1	0.3	0.2	0.3	
Gearing Ratio						
Borrowing Ratio	_	14939 7	180 5	163.8	1385 7	
Equity Gearing	-	0.0	0.3	0.3	0.0	
Income Gearing	-60.2	-308.6	-73.6	21.5	95.2	
Total Debt/Work. Cap.	-11	-21	-3.5	-2.2	-2.5	
	-1.1	-2.1	-3.5			

HASSALL HOMES (WESTERN) LTD

Failed

Date or Accounts	6/30/90	6/30/89	6/30/88	
Number of Weeks	52	52	52	
	£000	£000	£000	
Turnover (Sales)	9940	6736	6149	
Net Profit Before Tax	277	1504	491	
Interest Paid	615	262	60	
Non Trading Income	3	98	-84	
Operating Profit	889	1668	635	
Depreciation	16	32	50	
Trading Profit	905	1700	685	
Employee Remun.	525	479	330	
Director Remun.	143	160	129	
No. of Employees	52	49	44	
I ixed Assets	24	37	68	
intangible Assets	0	0	0	
intermediate Assets		967	1757	
Total	1000	1004	1825	
Stocks	5723	8789	4466	
1 rade Debtors	1046	17	11	
Other Current Assets	138	97	572	
T				
I otal Current Assets	6907	8903	5049	
Total Assets	7907	9907	6874	
			-	
Less:				
Creditors	1894	1949	1553	
Short term Loans	2452	4209	2068	
Other current Liabl.	827	1070	333	
Total Current Liabl.	5173	7228	3954	
Net Assets	2734	2679	2920	
Shareholders Funds	2668	2622	2132	
Long Term Loans	0	0	773	
Other Long Term Liabl.	66	57	15	
Capital Employed	2734	2679	2920	
Reserve		50.3	14	
	549	203	14	
Rate of Return				
Return on Canital	10.1	56 1	16 9	
Return on Assets	10.1	15 2	71	
Return on Shrhldrs Fund	5.5 10 A	57 A	23.0	
	10.4	27.4	<i></i>	
Profit Margins				
Trading Profit Margin	9.1	25.2	11.1	
Operating Profit Margin	8.9	24.8	10.3	
Pre Tax Profit Margin	2.8	22.3	8.0	
Turnover Ratios				
Asset Utilisation	125.7	68.0	89.5	
Sales/Fixed Assets	414.2	182.1	90.4	
Sales/Stocks	1.7	0.8	1.4	
Credit Period	38	1	1	
Creditiors Ratio	69.5	105.6	92.2	
Working Cap./Sales	17.4	24.9	17.8	
Liquidity Ratio				
Liquidity	13	1 2	1 2	
Quick Ratio	1.3 0.2	0.0	0.1	
Cooring Datio				
Borowing Dati-				
Fourier Comment	91.9	160.5	133.3	
Lyuny Coalling	0.3	0.3	0.3	
Total Debt/W1- C	68.9	14.8	10.9	
Liebt (jeanna	1.4	2.5	2.6	
			10 1	

1

MCINERNEY DEVELOPMENTS LTD			Failed	
Date or Accounts	12/31/89	12/31/88	12/31/87	12/31/86
Number of Weeks	52 £000	52 £000	52 £000	52 £000
Turnover (Sales)	1123	3795	3966	26102
Net Profit Before Tax	-507	155	217	1838
Interest Paid Non Trading Income	468 0	216 0	159	232
Operating Profit	-39	371	376	2062
Depreciation Trading Profit	1 -38	2 373	2 378	53 2115
Employee Remun.	154	651	673	4059
Director Remun.	0	69 52	28	134
	10	32	25	515
Fixed Assets	6	13	15	1012
Intangible Assets	0	0	0	0
	·····			
Total	6	13	15	1014
Stocks	4076	2898	1428	5925
Trade Debtors Other Current Assets	0 71	0 10	585 0	7255 3905
Total Assets Total Assets	4147 4153	2908 2921	2013	17085 18099
Less:				
Creditors	195	205	536	4726
Short term Loans Other current Liabl.	0 12	0 73	0 61	4766 697
Total Current Liabl. Net Assets	207 3946	278 2643	597 1431	10189 7910
	5740		1.01	
Shareholders Funds	64 3882	512	416	4584
Other Long Term Liabl.	0	0	0	205
Capital Employed	3946	2643	1431	7910
Reserve	64	512	416	4584
Rate of Return Return on Capital	-12 8	59	15 2	23.2
Return on Assets	-12.2	5.3	10.7	10.2
Return on Shrhldrs Fund	-792.2	30.3	52.2	40.1
Profit Margins				
Trading Profit Margin Operating Profit Margin	-3.4 -3.5	9.8 9.8	9.5 9.5	8.1 7.9
Pre Tax Profit Margin	-45.1	4.1	5.5	7.0
Turnover Ratios				
Asset Utilisation Sales/Fixed Assets	27.0 187 2	129.9 291 9	195.6 264 4	144.2 25 8
Sales/Stocks	0.3	1.3	2.8	4.4
Credit Period Creditions Ratio	0 63.4	0 197	54 49 3	101
Working Cap./Sales	350.8	69.3	35.7	26.4
Liquidity Ratio				
Liquidity Ouick Ratio	20.0 0.3	10.5 0.0	3.4 1.0	1.7
° Couring Datio				
Gearing Ratio Borrowing Ratio	6065.6	416.2	244.0	172.1
Equity Gearing	0.0	0.2	0.2	0.3
income Gearing Total Debt/Work. Cap.	-1200.0 1.0	58.2 0.8	42.3 0.7	11.2
Debt Gearing	6065.6	416.2	244.0	68.1

MILLWOOD HOMES PLC

Failed

Date or Accounts	10/31/92	10/31/91	10/31/90	10/31/89	10/31/88	10/31/87	10/31/86
Number of Weeks	52	52	52	52	52	52	52
	£000	£000	£000£	£000£	\$000	£000	£000
Turnover (Sales)			2731	4070			
Net Profit Before Tax			-694	325			
Interest Paid			45	13			
Non Trading Income			0	0			
Operating Profit			-649	338			
Depreciation			18	14			
Trading Profit			-631	352			
Employee Remun.			130	91			
Director Remun.			30	19			
No. of Employees			11	8			
Fixed Assets			1003	988			
Intangible Assets			0	0			
Intermediate Assets			30	30	,,		
Total			1033	1018			
Stocks			3215	2363			
Trade Debtors			1224	385			
Other Current Assets	•••••••••••••••••••••••••••••••••••••••	•••••••••••	206	389			
Total Current Assets			4645	3137			
Total Assets			5678	4155			
Less:			164	126			
Creditors Short term Loons			2761	130			
Other current Liabl.			1125	968			
Total Current Liabl.			4050	2329			
Net Assets			1628	1826			
Shareholders Funds			867	1080			
Long Term Loans			556	746			
Other Long Term Liabl.			205	0			
Capital Employed	<u> </u>		1628	1826			
Reserve							
Rate of Return							
Return on Capital			-42.6	17.8			
Return on Assets			-12.2	7.8			
Return on Shrhidrs Fund			-80.0	30.1			
Profit Margins							
Frading Profit Margin			-23.1	8.6			
Operating Prolit Margin Pre Tax Profit Margin			-23.8 -25.4	8.3 8.0			
Turnover Ratios							
Asset Utilisation			48.1	98.0			
Sales/Fixed Assets			2.7	4.1			
Sales/Stocks			0.8	1.7			
Credit Period			164	35			
Creditiors Ratio			21.9	12.2			
Working Cap./Sales			21.8	19.9			
Liquidity Ratio				1.0			
Quick Ratio			0.4	1.3 0.3			
Gearing Ratio							
Borrowing Ratio			382.6	182.5			
Equity Gearing			0.2	0.3			
Income Gearing			-6.9	3.8			
Total Debt/Work. Cap.			5.6	2.4			
Debt Gearing			64.1	69.1			

ABBEY MANOR HOMES LTD

Live

Date or Accounts	12/31/91	12/31/90	12/31/89	12/31/88	12/31/87	
Number of Weeks	52	52	52	52	52	
	000£	£000	£000	000£	000 3	
Turnover (Sales)	2397	1824	5329	6802	6528	
Net Profit Before Tax	-210	108	1177	615	271	
Interest Paid	4	91	27	47	29	
Non Trading Income	12	3	33	21	34	
Operating Profit	-218	196	1171	641	266	
Depreciation	2	0	2	2	2	
Trading Profit	-216	196	1173	643	268	
Employee Remun.	48	43	61	50	18	
Director Remun.	37	42	43	35	54	
No. of Employees	6	9	8	9	8	
Fixed Assets	28	30	28	30	32	
Intangible Assets	0	0	0	0	0	
Intermediate Assets	154	43	24	0	0	
Total	182	73	52	30	32	
	2.495			2010	2200	n
SIOCKS	3488	4585	4356	3849	2389	
Other Current Assots	13	0	9	7	11	
Unier Current Assets	247	1966	1074	834	1191	
Total Current Assets	3740	6551	5420	1200	2501	
Total Assets	3748 3930	6624	5439 5491	4090	3623	
		<u>,</u>				
Less:						
Creditors	79	77	255	626	333	
Short term Loans	832	3322	1717	1483	1337	
Other current Liabl.	71	67	462	294	43	
Total Current Liabl.	982	3466	2434	2403	1713	
Net Assets	2948	3158	3057	2317	1910	
Shareholders Funds	2948	3158	3057	2317	1910	
Long Term Loans	0	0	0	0	0	
Other Long Term Liabl.	0	Ő	ő	õ	õ	
						•••••
Capital Employed	2948	3158	3057	2317	1910	
Reserve	2943	3153	3052	2312	1905	
Rate of Return						
Return on Capital	-7.1	3.4	38.5	26.5	14.2	
Return on Assets	-5.3	1.6	21.4	13.0	7.5	
Return on Shrhldrs Fund	-7.1	3.4	38.5	26.5	14.2	
Drofft Margins						
r ront iviargins Tradina Profit Margin	0.0	10.7	22.0	0.6	4.1	
Constanting Profit Manair	-9.0	10.7	22.0	9.5	4.1	
Operating Front Margin	-9.1	10.7	22.0	9.4	4.1	
I I G I GA FTOLLI IVIAIRIN	-8.8	5.9	22.1	9.0	4.2	
Turnover Ratios						
Asset Utilisation	61.0	27.5	97.0	144.1	180.2	
Sales/Fixed Assets	85.6	60.8	190.3	226.7	204.0	
Sales/Stocks	0.7	0.4	1.2	1.8	2.7	
Credit Period	2	0	1	0	1	
Creditiors Ratio	12.0	15.4	17.5	33.6	18.6	
Working Cap./Sales	115.4	169.1	56.4	33.6	28.8	
Liquidity Ratio						
Liquidity	3.8	1.9	2.2	2.0	2.1	
Quick Ratio	0.3	0.6	0.4	0.3	0.7	
Gearing Ratio						
Borrowing Ratio	28.2	105.2	56.2	64.0	70.0	
Equity Gearing	0.8	0.5	0.6	0.5	0.5	
Income Gearing	-1.9	45.7	2.2	7.1	9.7	
Total Debt/Work. Cap.	0.3	1.1	0.6	0.6	0.7	
Debt Geanng	0.0	0.0	0.0	0.0	0.0	

MACBRYDE HOMES LTD

Live

		10/01/00	10 10 100	1010-100		
Date of Accounts	12/31/91	12/31/90	12/31/89	12/31/88	12/31/87	
LIGHINGT UT TTCCR3	£000	£000	£000	£000	£000	
T (6.1.)	0304	0.00	0/0/	0/25	2254	
Lurnover (Sales) Net Brout Defere Tex	9384	9077	8080	8035	2354	
Interest Paid	-618	337	248	1987	173	
Non Trading Income	200	10	248	33	1	
Operating Profit	-565	1159	923	2141	211	
Depreciation	101	90	81	55	39	
Trading Profit	-464	1249	1004	2196	250	
Employee Remun.	508	447	325	286	148	
Director Remun.	301	320	237	198	20	
No. of Employees	48	45	38	31	21	
Time di Anna	471	207	356	272	1/1	
Fixed Assets	4/1	386	356	2/3	161	
Intermediate Assets	0	0	0	0	0	
Total	471	386	356	273	161	
					101	
Stocks	3399	5114	4279	2742	1078	
Trade Debtors	58	206	0	0	0	
Other Current Assets	554	364	99	798	109	
Total Current Assets	4011	5684	4378	3540	1187	
Total Assets	4482	6070	4734	3813	1348	
Less:	607	(03	462	201	100	
Creditors	507	003	455	381	188	
Other current Liabl	1706	2288	500	824	342	
	346	014		962	207	
Total Current Liabl.	2561	3505	2700	2187	939	
Net Assets	1921	2565	2034	1626	409	
Shareholders Funds	1903	2457	1920	1464	218	
Long Term Loans	18	108	114	162	191	
Other Long Term Liabl.	0	0	0	0	0	
Capital Employed	1921	2565	2034	1626	409	
Reserve	1903	2457	1920	1464	218	
Rate of Return						
Return on Capital	-42.6	32.4	34.5	122.2	42.3	
Return on Assets	-18.3	13.7	14.8	5 2.1	12.8	
Return on Shrhidrs Fund	-43.0	33.9	36.5	135.7	79.4	
Profit Margins						
Trading Profit Margin	-4.9	12.9	11.6	25.4	10.6	
Operating Profit Margin	-6.0	12.0	10.6	24.8	9.0	
Pre Tax Profit Margin	-8.7	8.6	8.1	23.0	7.3	
Turnover Ratios						
Asset Utilisation	209.4	159.4	183.5	226.5	174.6	
Sales/Fixed Assets	19.9	25.1	24.4	31.6	14.6	
Sales/Stocks	2.8	1.9	2.0	3.1	2.2	
Credit Period	2	8	0	0	0	
Creditiors Ratio	19.7	22.7	19.0	16.1	29.2	
Working Cap./Sales	15.5	22.5	19.3	15.7	10.5	
Liquidity Ratio						
Liquidity	1.6	1.6	1.6	1.6	1.3	
Quick Ratio	0.2	0.2	0.0	0.4	0.1	
Gearing Ratio						
Borrowing Ratio	90.6	97.5	91.8	67.3	336.2	
Equity Gearing	0.4	0.4	0.4	0.4	0.2	
Income Gearing	-46.6	28.8	26.1	8.6	18.4	
Total Debt/Work. Cap.	1.2	1.1	1.1	0.7	3.0	
Debt Gearing	0.9	4.4	5.9	11.1	87.6	

PENTA HOMES LTD

Date or Accounts	9/30/91	9/30/90	9/30/89	9/30/88	9/30/87	
Number of Weeks	52	52	52	52	52	
	000£	£000	000£	£000	£000	
Turnover (Sales)	1840	1926	3038	3368	2273	
Net Profit Before Tax	-47	-29	59	102	102	
Interest Paid	71	140	186	108	57	
Non Trading Income	4	0	0	0	0	
Operating Profit	20	111	245	210	159	
Depreciation Trading Profit	30	31	27	31	21	
Finaloves Remun	30	142	272	241	180	
Director Remun.	106	105	105	63	56	
No. of Employees	2	2	2	2	1	
Fixed Assets	50	78	89	109	113	
Intangible Assets	0	0	0	0	0	
Intermediate Assets	293	304	257	0	0	•••••••
Total	343	382	346	109	113	
Stocks	559	610	985	1250	997	
Trade Debtors	113	58	53	87	223	
Other Current Assets	45	64	60	68		
Total Current Assets	717	732	1098	1405	1297	
Total Assets	1060	1114	1444	1514	1410	
Less:						
Creditors	195	302	230	285	368	
Short term Loans	491	376	705	724	645	
Other current Liabl.		39	57	92	83	••••••
Total Current Liabl.	703	717	992	1101	1096	
Net Assets	357	397	452	413	314	
Charachaldara Franka	202	222	264	211		
Long Term Loans	282	522	534 98	102	237	
Other Long Term Liabl.	0	0	0	0	0	
	•••••••••••••••••••••••••••••••••••••••					
Capital Employed	357	397	452	413	314	
Reserve	280	320	352	309	235	
Rate of Return						
Return on Capital	-13.2	-7.3	13.1	24.7	32.5	
Return on Assets	-4.4	-2.6	4.1	6.7	7.2	
Return on Shrhidrs Fund	-16.7	-9.0	16.7	32.8	43.0	
Profit Margins						
Trading Profit Margin	2.7	7.4	9.0	7.2	7.9	
Operating Profit Margin	1.1	5.8	8.1	6.2	7.0	
Pre Tax Profit Margin	-2.6	-1.5	1.9	3.0	4.5	
Turnover Ratios						
Asset Utilisation	173.6	172.9	210.4	222.5	161.2	
Sales/Stocks	8.0L 3.2	24.1	34.1 3 1	3U.9 27	20.1	
Credit Period	22	11	6	9	36	
Creditiors Ratio	38.7	57.2	27.6	30.9	59.1	
Working Cap./Sales	0.8	0.8	3.5	9.0	8.8	
Liquidity Ratio						
Liquidity	1.0	1.0	1.1	1.3	1.2	
Спіск Каро	0.2	0.2	0.1	0.1	0.3	
Gearing Ratio	200.7	140.1	276 º	765 6	30 <i>4 E</i>	
Equity Gearing	200.7	0.3	420.8 0.2	0.2	0.2	
Income Gearing	295.8	126.1	75.9	51.4	35.8	
Total Debt/Work. Cap.	40.4	30.1	7.6	2.7	3.6	
Debt Gearing	26.6	23.3	27.7	32.8	32.5	

Live

BEAZER HOMES (ANGLIA) LTD

Date or Accounts	9/30/92	6/30/91	6/30/90
Number of Weeks	13	52	52
	000	000£	£000£
	53.40	14403	13700
1 urnover (Sales) Net Profit Before Tax	5240	14483	12/89
Interest Paid	0	715	1065
Non Trading Income	46	8	6
Operating Profit	453	1406	1289
Depreciation	4	21	24
Trading Profit	457	1427	1313
Employee Remun.	165	641	630
Director Remun.	34	192	188
No. of Employees	62	59	57
Fixed Assets	154	171	202
Intangible Assets	0	0	0
Intermediate Assets		453	420
Total	378	624	622
Stocks	11982	16839	18060
Trade Debtors	11762	36	10000
Other Current Assets	2974	281	91
Total Current Assets	15067	17156	18160
Total Current Assets	15062	1/100	18100
i otal Assets	15440	17780	18782
Less:			
Creditors	1402	1324	1690
Short term Loans	8333	9516	10707
Other current Liabl.	313	730	327
Total Current Liabl.	10048	11570	12724
Net Assets	5392	6210	6058
Shareholders Funds	5392	6159	5942
Long Term Loans	0	45	116
Other Long Term Liabl.	0	6	0
Capital Employed	5392	6210	6058
Reserve	-	-	-
Rate of Return			
Return on Capital	37.0	11.3	3.8
Return on Assets	12.9	3.9	1.2
Return on Shrhidrs Fund	37.0	11.3	3.9
Profit Margins			
Trading Profit Margin	87	00	10 3
Operating Profit Margin	8.6	9.7	10.1
Pre Tax Profit Margin	9.5	4.8	1.8
Turnover Ratios			
Asset Utilisation	135.8	81.5	68.1
Sales/Fixed Assets	136.1	84.7	63.3
Sales/Stocks	0.4	0.9	0.7
Credit Period	2	1	0
Creditiors Ratio	24.4	33.4	48.2
Working Cap./Sales	23.9	38.6	42.5
Liquidity Ratio			
Liquidity	1.5	1.5	1.4
Quick Ratio	0.3	0.0	0.0
Gearing Ratio			
Borrowing Ratio	154.5	155.2	182.1
Equity Gearing	0.3	0.3	0.3
Income Gearing	0.0	50.6	82.2
Total Debt/Work. Cap.	1.7	1.7	2.0
Debt Gearing	0.0	0.7	2.0

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Martinana Selat Loone Surrait,