Modelling of Business Systems Project

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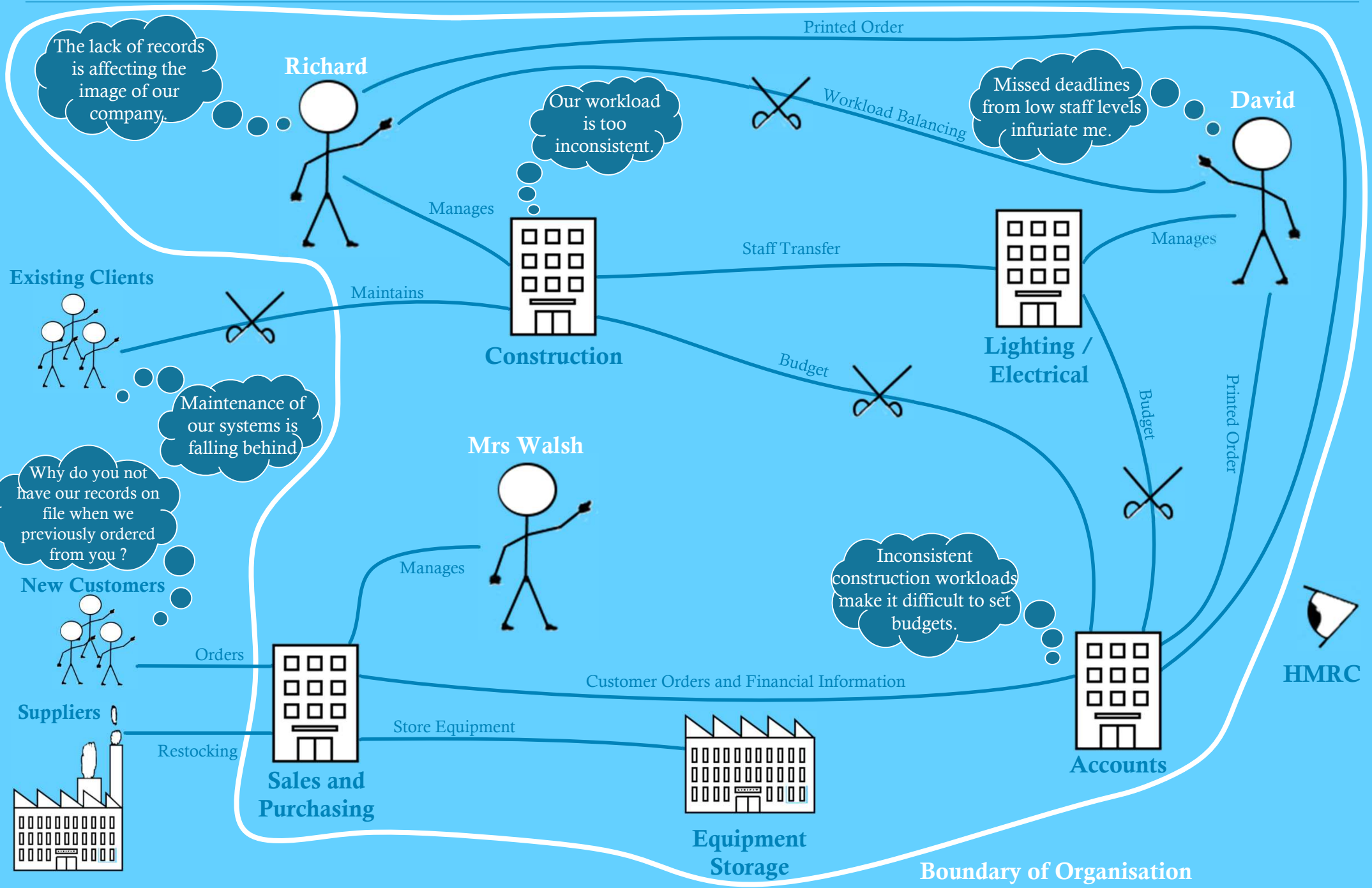
LumiTrex Business Overview – Rich Picture



LumiTrex Business Overview – Rich Picture

Rich Picture Assumptions:

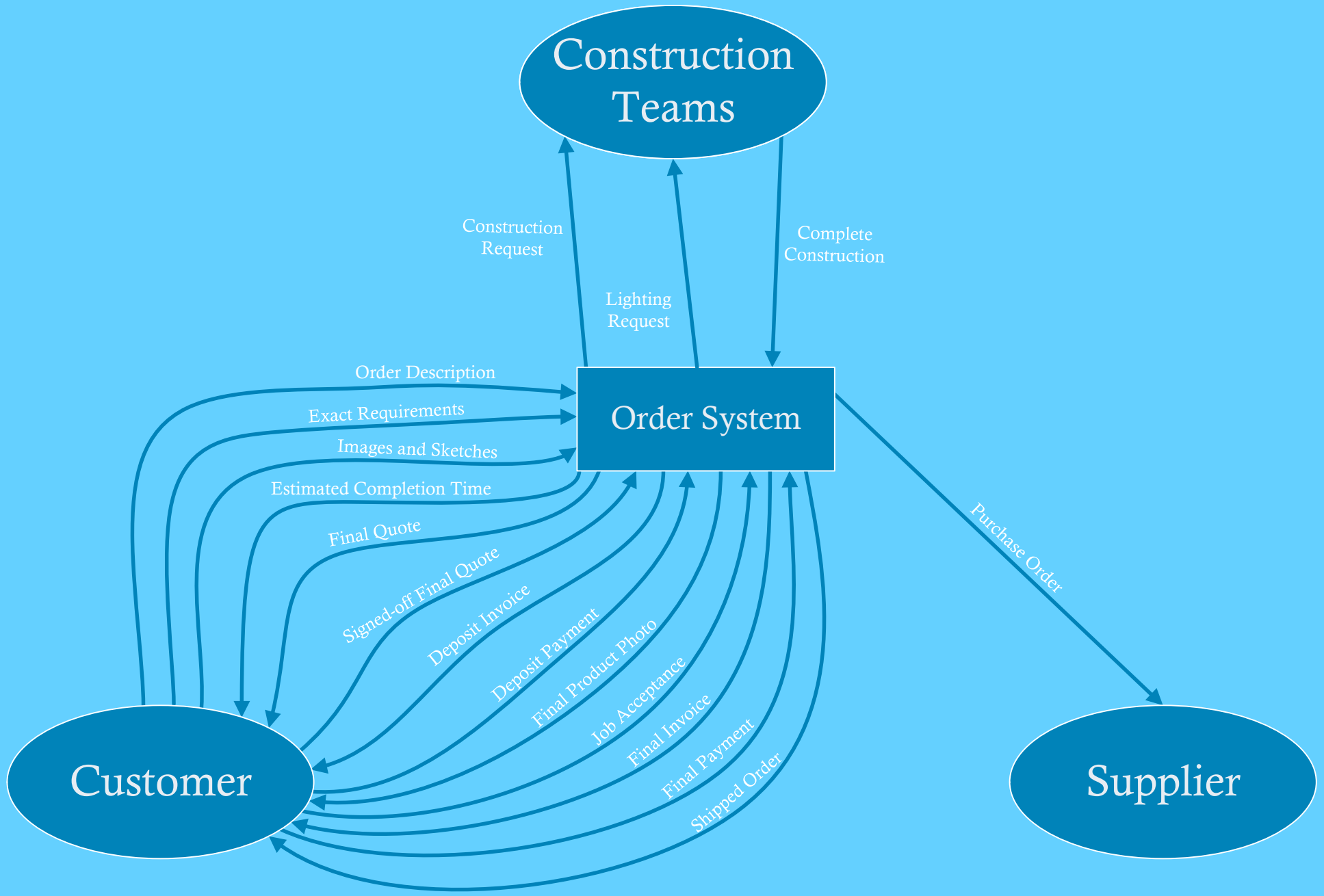
I have assumed Mrs Walsh manages the Sales and Purchasing department, as it is known as 'The Walsh Department'.

I have also assumed that the Sales and Purchasing department has contact with Suppliers to the company as that department is responsible for purchasing.

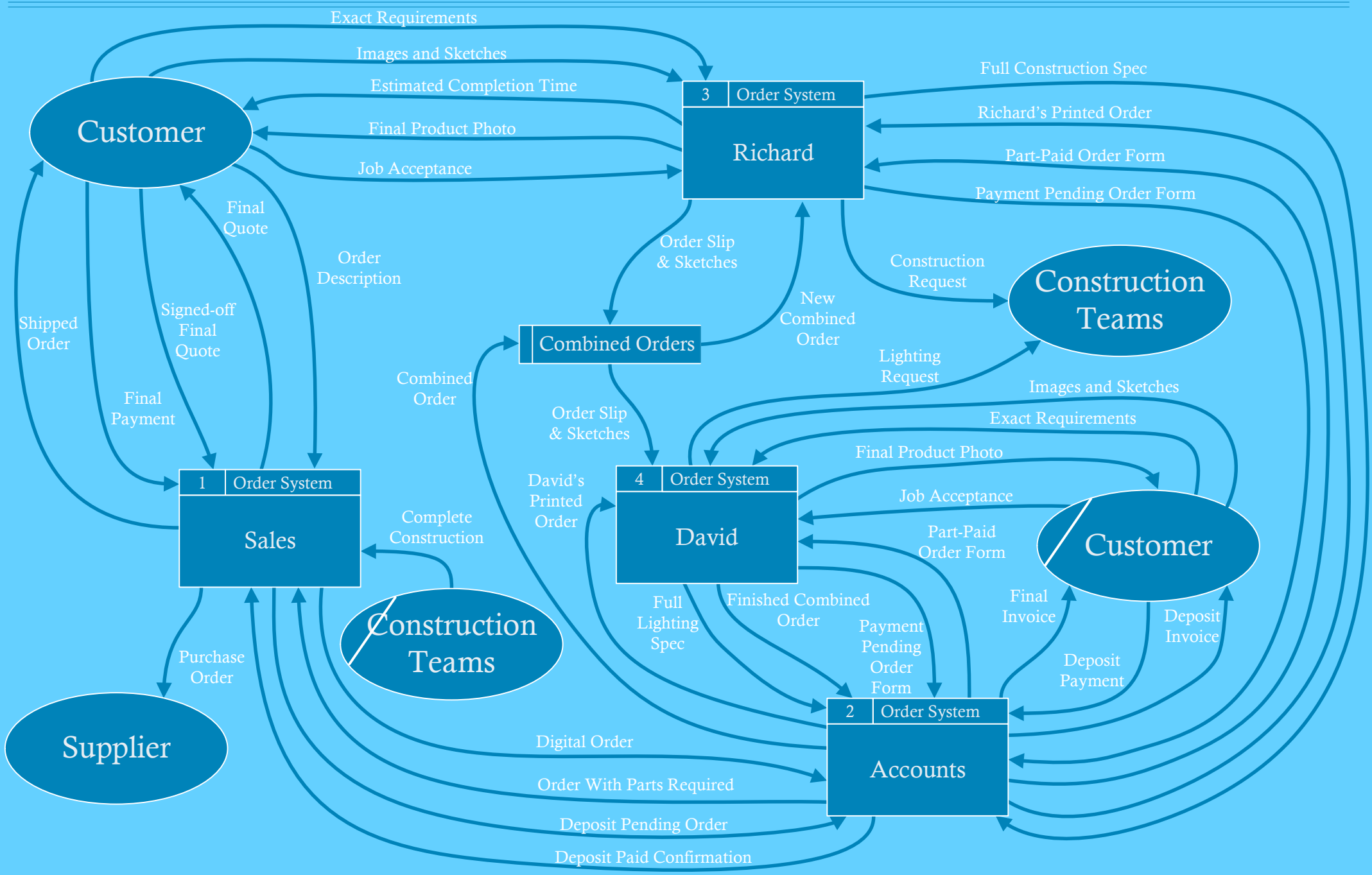
In addition, I assume that any customers that ordered before the recent fire are treated as 'New Customers' and that 'Existing Clients' refers only to customers that LumiTrex has an ongoing maintenance contract with.

Finally, I have assumed that even though the reason maintenance of existing clients' systems is falling behind is because of the loss of the bookkeeping department, the existing clients would have conflict with the Maintenance department as I feel they would be the people existing clients would have contact with. This also feeds in to the frustration Richard has as this is his directly-managed department.

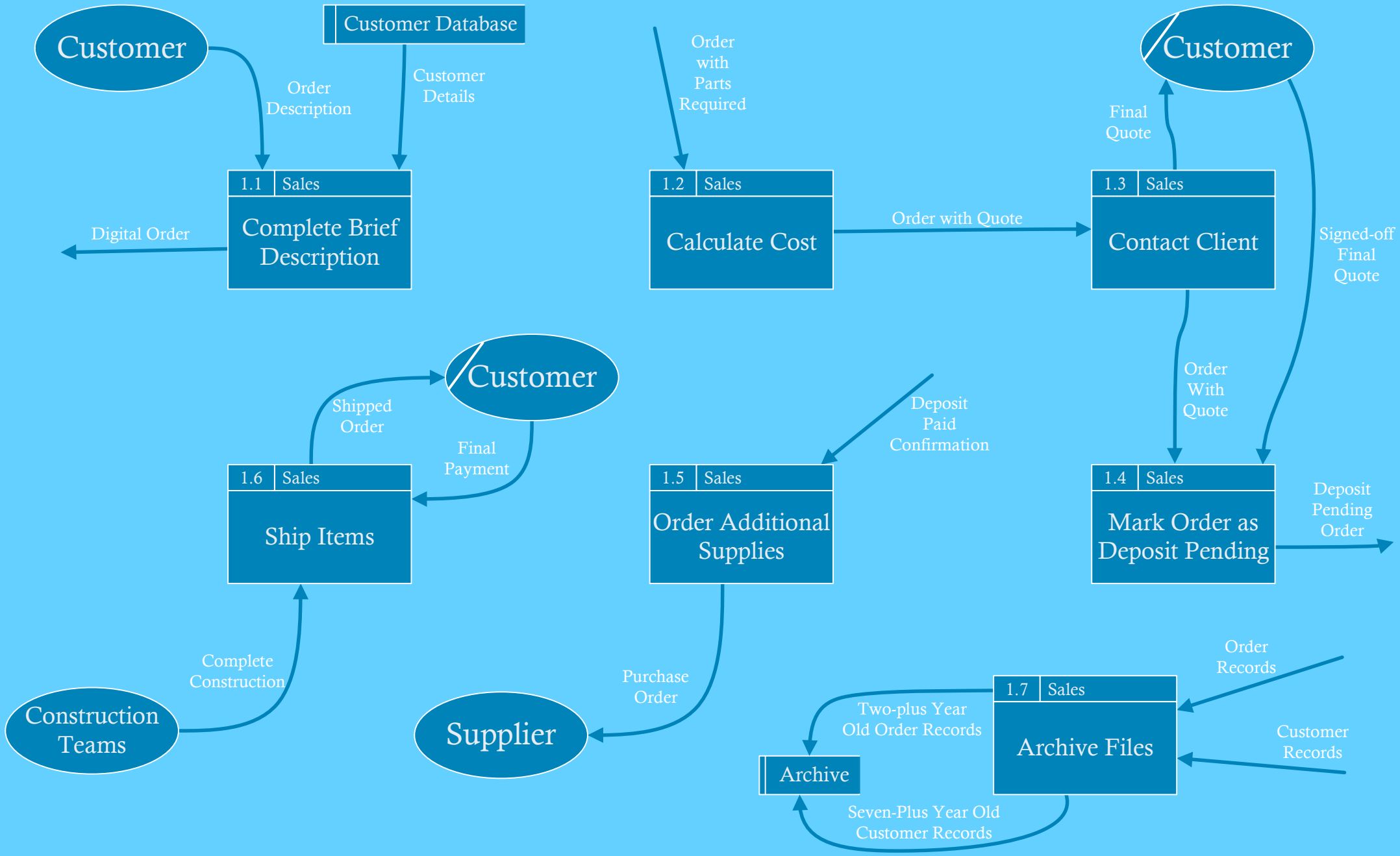
LumiTrex Context Diagram



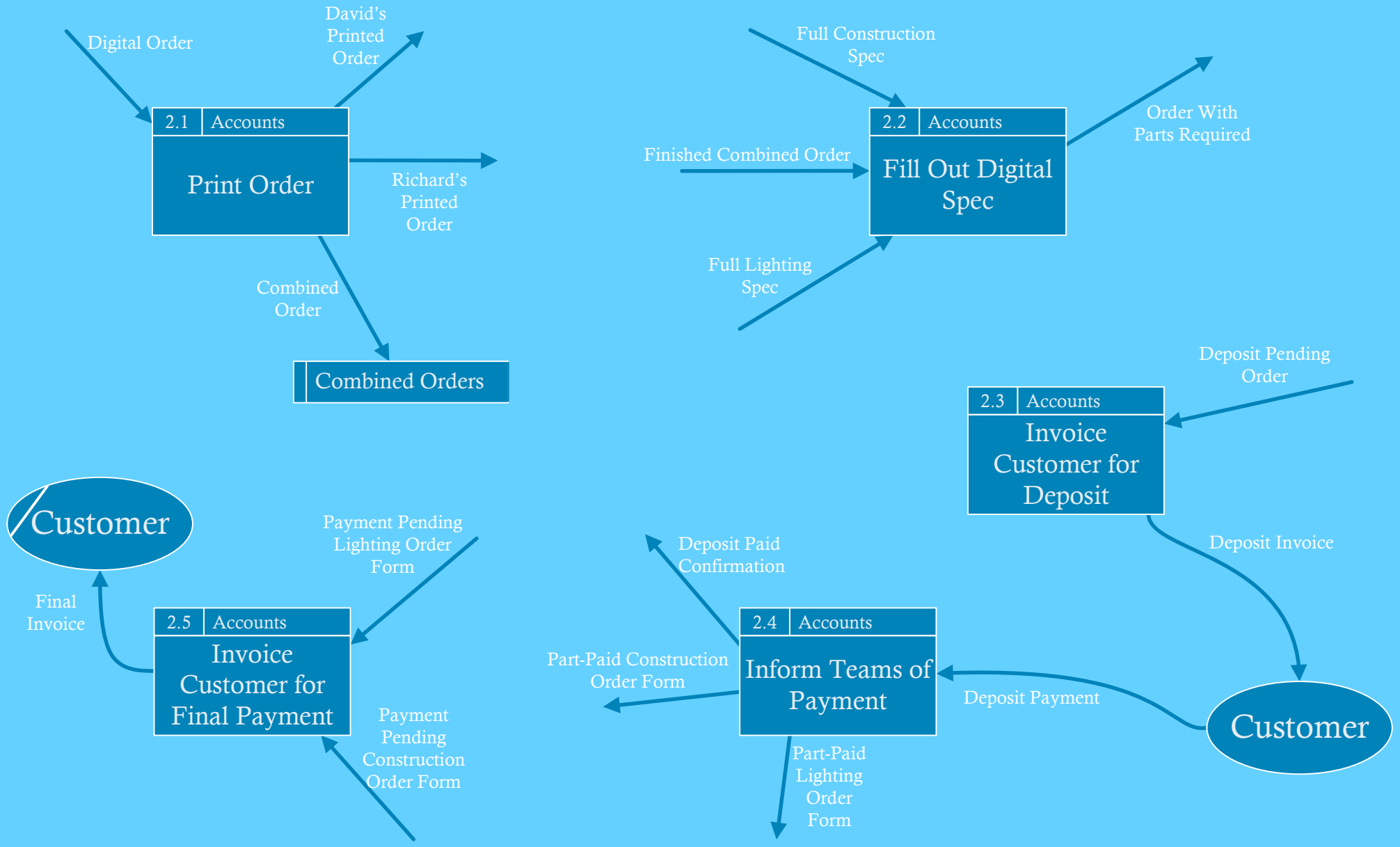
LumiTrex Data Flow Diagram (Level 1)



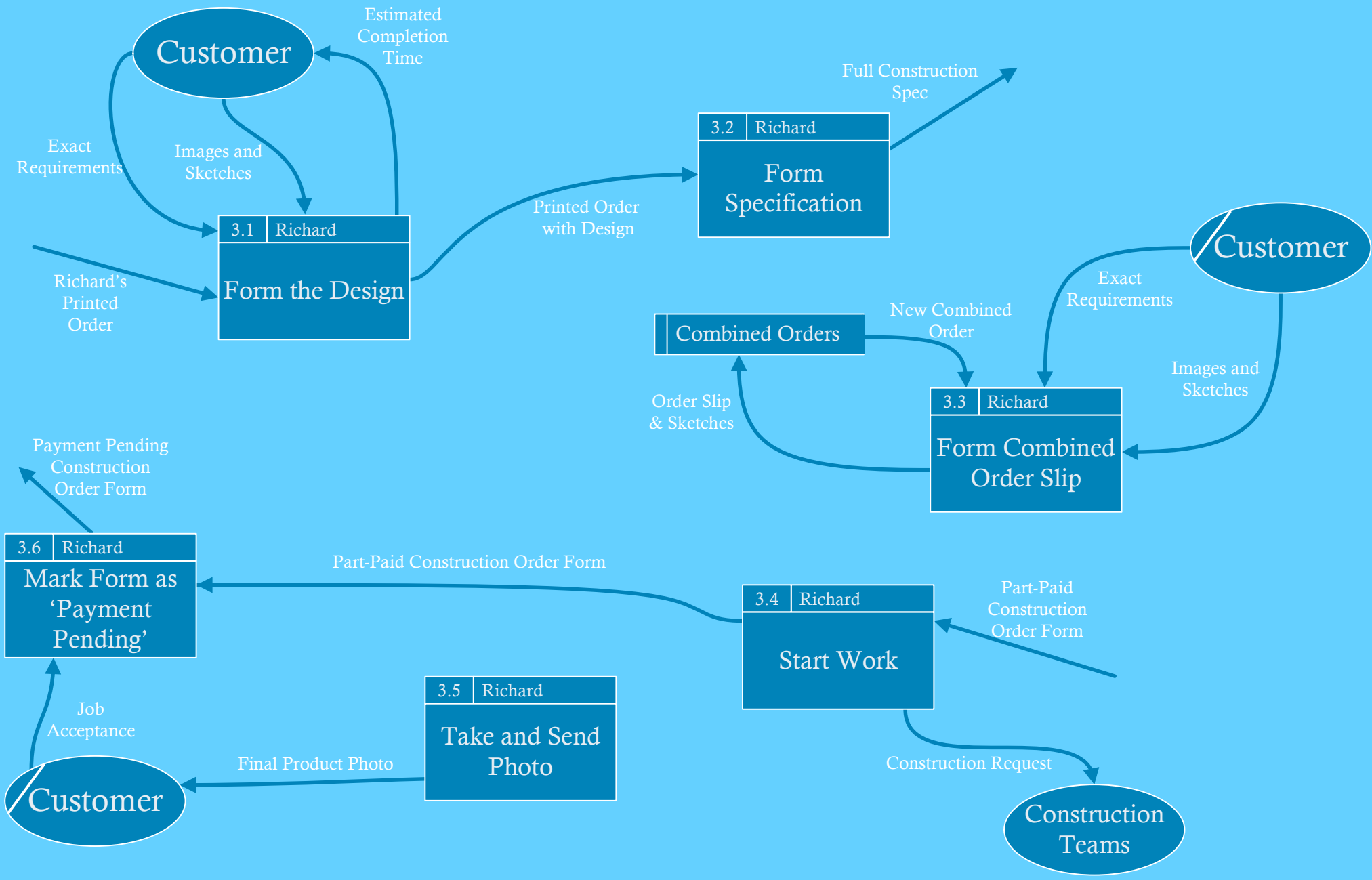
LumiTrex Data Flow Diagram (Level 2)



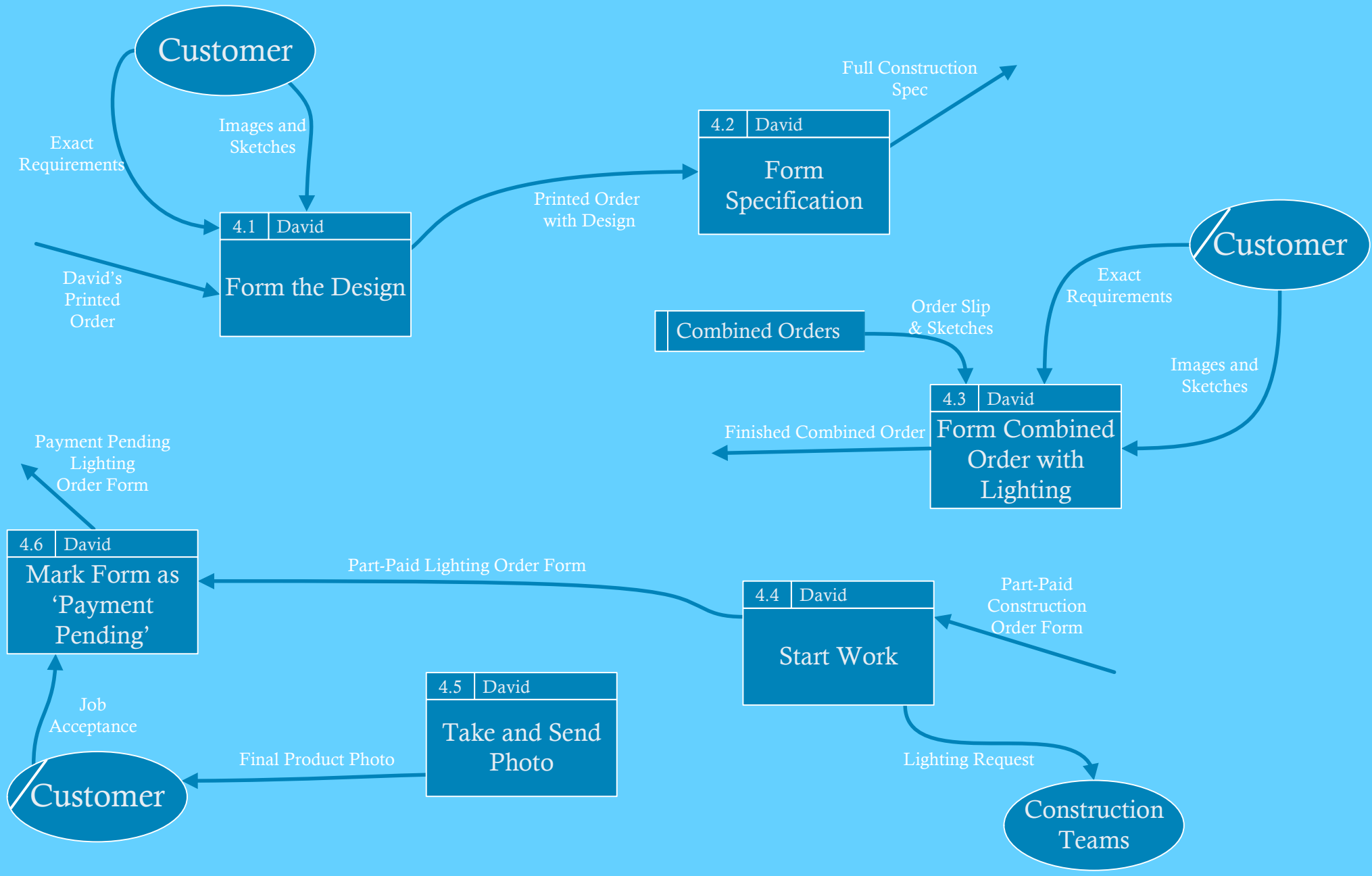
LumiTrex Data Flow Diagram (Level 2)



LumiTrex Data Flow Diagram (Level 2)



LumiTrex Data Flow Diagram (Level 2)



LumiTrex Data Flow Diagram

Data Flow Diagram Assumptions:

I have assumed that ‘Client’ and ‘Customer’ are the same thing as they are referred to in context to each other in the brief.

In my Context Diagram I refer to both Existing Clients and New Customers as ‘Customer’ as the data items passing in and out of the system are the same for both.

Both the Construction and Lighting/Electrical teams are being treated as ‘Construction Teams’ for this analysis as the input and output from these teams is the same from a data-analysis perspective. In addition, I have placed this function outside the bounds of the system I have analysed as we are not looking into the creation process of the items, just dealing with the data flow to and from that system. I have assumed, however, that the data going into this sink is going to be different depending on which managed supplies it, as that will determine which staff are required.

I am assuming that Supplies are ordered from a Supplier, as a supplier is not named in the part two brief. In addition, I have assumed that the Construction Teams handle any incoming supplies from the Supplier therefore it is not included as part of this system.

I assume that after the Customer contacts the Sales team to sign off on the works, the order is passed to the Accounts team as a ‘Deposit Pending Order’ for them to send the Deposit Invoice to the Customer. In addition, I have assumed that once the deposit is paid, there is an ‘Deposit Paid Confirmation’ which is sent to the Sales team to notify them this has been paid and that the any additional supplies can be ordered.

I have assumed that, as David processes his orders the same as Richard initially, that he also receives Images and Sketches from the Customer to help him form the initial design.