OVERVIEW OF ISSUES:

DESIGN
- INTEGRATED TEAMWORKING
- APPOINTMENT ISSUES
- DESIGN MODELLING
- AWARENESS OF ‘KILLER ISSUES’

DELIVERY
- SUPPLY CHAIN UNDERSTANDING
- RELIANCE ON AIRTIGHTNESS
- IMPORTANCE OF FEEDBACK
PROBLEMS:

**DESIGN**
- BLACKBOX TO ARRIVE AT NEW METRIC (KG co2 /M2)
- SOFTWARE LIMITATIONS
- DESIGN MODELLING - IN HOUSE OR WITH CONSULTANT TEAM

**APPLICATION**
- IT TAKES TIME TO DEVELOP TECHNICAL INTUITION
- IMPLICATIONS FOR PROCUREMENT PROCESS - EG RELIANCE ON AIRTIGHTNESS
- ARCHITECTURAL PRACTICE STRUCTURE
BENEFITS:

DESIGN
- DESIGN FLEXIBILITY
- REDUCED CARBON IMPACT
- RELATIONSHIP TO PLANNING REQUIREMENTS
- LEADS FOCUS ON SUSTAINABILITY AGENDA

APPLICATION
- GETS ARCHITECTS UP TO SPEED !!
- GIVES ENGINEERS THE POTENTIAL TO INFLUENCE THE DESIGN DIRECTION !!
CASE STUDY PROJECT - BATTERSEA REACH

- MIXED USE PROPOSAL WITH UP TO 1000 HOMES
- RIVERSIDE WALKWAY AND OTHER COMMUNITY BENEFITS
- ON-SITE TEAM
- PHASING WITH CHANGES IN MASTERPLAN
A MAJOR PROJECT - SUBJECT TO PHASING....
CASE STUDY PROJECT - BATTERSEA REACH

- PROJECT LIFESPAN 2000-2014
- EVOLVING REGULATORY CLIMATE
CASE STUDY PROJECT - BATTERSEA REACH

• REPEATING FAÇADE ELEMENTS
• DEGREE OF UNIFORMITY
CASE STUDY PROJECT - BATTERSEA REACH

DESIGN
- AN UNDERSTANDING OF THE CRITICAL ITEMS IN ORDER TO STANDARDISE ENVELOPE
- WHOLE BUILDING MODELLING: SAP LIMITATIONS
- MINIMISING SUMMER OVERHEATING
- IMPORTANCE OF SYSTEMS EFFICIENCY: EG CONTROLS, COEFFICIENT OF PERFORMANCE; LIGHTING

DELIVERY
- SUPPLY CHAIN UNDERSTANDING
- RELIANCE ON AIRTIGHTNESS: UNDERSTAND PACKAGES AND INTERFACE
- IMPORTANCE OF FEEDBACK; TESTING
CASE STUDY METHOD - GREENWICH MILLENNIUM VILLAGE

- RESIDENTIAL MASTERPLAN AND DELIVERY WITH UP TO 1800 HOMES
- RIVERSIDE WALKWAY AND OTHER COMMUNITY BENEFITS
- ON-SITE TEAM
- PHASING WITH CHANGES IN MASTERPLAN
- BUILDINGS OPTIMISATION
GREENWICH MILLENNIUM VILLAGE
GREENWICH MILLENNIUM VILLAGE
PART L 2006 IS ONLY THE FIRST STAGE ....

- EVERYHOME TO BE ZERO CARBON BY 2010 ...
- EXPECT ANOTHER UPLIFT TO BUILDING REGS IN 2010
- PLANNING POLICY EXPECTED TO REINFORCE INCREASED RENEWABLES UPTAKE AND CARBON REDUCTION TARGETS ....