Designers are to note that this UoL internal design guide and specification tracker gives details of items that are subject to future alteration as the University are presently not satisfied that the information regarding the same within the design guide or standard specification reflects current thinking. Therefore if any item mentioned within this tracker is relevant to a scheme to designer MUST liaise with the University and seek guidance in writing.

Design Guides and Specification outstanding issues tracker Rev A. Dated 6/6/18Revision

to be actioned
in progress
completed

item	Guide	Description	Action
1	General	Require residential design guide as current suite does not reflect "domestic" type installations.	
2	General - MS01, MS03, MS04	Phenolic foam currently noted in Design Guides for chilled water, hot and cold water services and LPHW heating but NOT for steam and condensate and water services above 100 deg C. Should also consider BREEAM requirements for insulation material and responsible sourcing. Also does not align with standard specification.	
3	General	Needs a comment adding to domestic water guide (up front) that the water hygiene surveys are to be referred to and any works that can be undertaken are a pert of the scheme (must make not that some sort of check is undertaken to make sure work isnt already completed)	
4	ES01	States for final circuits - twin and earth shall only be considered for residential projects. Suggest statement should be stronger? E.g. departure from singles in containment requires a derogation for which express approval must be obtained?	
5	ES03	Power & wiring accessories for residential?	
6	ES04	Guide refers only to SLL (CIBSE) LG5 which is "lighting for education" however there's a whole suite of lighting design guides such as LG4 Sports, LG7 Offices should we not refer to these also?	
7	ES04	List of approved light fiitngs for various applications / locations but then state - equal or approved. From a maintennace point of use surely better to standardise and stick to those listed?	
8	ES04	No mention of fittings or design guides etc for residential applications. Either need to add or produce specific residential design guide.	

9	ES10	Access Control - all door access kit should be Salto.	
10	ES10	Framework contractor not VES. Now OpenView or Axess	
11	MS01	Boiler and system flow and return temperatures 70 /55. System temperatures to be selected to suit the application e.g. heat pumps, etc?	
12	MS01	When connected to district heating 2 plate exchangers shall be provided at 66% load each. This will require 132% of flow rate from district heating - do we want this?	
13	-	No mention of Induction Loop provision?	
14	-	Electric car charging point provision?	
15	MS01	item 25 - inertia bases on all pumps? Precludes use of small inline pipe mounted pumps?	
16	MS01	Why do we have Air Admittance Valves under components - are these supposed to be automatic air vents?	
17	MS03	chilled water temperatures - relate to conventional air cooled chillers - what about use of heat pumps?	
18	MS03	Inertia bases on all pumps again?	
19	MS03	insulation sets on air and dirt separators?	
20	MS04	suggest mention of mains water pressure and use of PRVs on each building. Protection against water hammer with use of Keraflo valves. Provision of bunds for roof / high level tanks and equipment (booetsre etc) Checking heaight of tanks above boosters etc	
21	MS04	Provision of destrat pumps to match Water Safety Plan i.e. on storage systems of 150 litres and above.	
22	MS05	Do guides and new standard spec align on fire dampers / fire smoke dampers, do guides give info	
23	GD01	Need to define improvement in BRUKL over kWhrs/m2 i.e. not Primary Energy. Clarify building needs to achieve % betterment - without use of renewables. Renewable element should be beyond this. (Have we received feed back on this level of betterment from CPW yet) Do we need to specify U Values?	
24	GD01	There is a BREEAM credit available for thermal modelling to demonstrate that operative temperatures (summer and winter) are achieved for a projected climate change. Do we wish to include this?	
