

**London Institute of  
Medical Science**

Changes from Stage 2 to  
Stage 3

20.07.18

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# 1 London Institute of Medical Science Design Team

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## 2 London Institute of Medical Science

### Design Team Changes from Stage 2 to Stage 3

Ref	Level	Item	Changes from Stage 2 to Stage 3
<b>Architectural</b>			
1.1	Site	Existing Sub Station	Existing substation to be relocated off the site
1.2	Building	External Materials	Cladding material changed from corten steel to anodised aluminium curtain walling system
1.3	Building	Building Height	Building height increased to accommodate plant on upper levels
1.4	All Levels	General Arrangement	General development of arrangements on all floors
1.5	All levels	Joinery	Joinery items designed for reception, offices and social areas
1.6	All Levels	Core Arrangement	North and South core re-arranged to accommodate a science stair and larger lifts
1.7	Ground Floor	Nitrogen Storage	Nitrogen storage introduced where existing substation is currently
1.8	Ground Floor	Plant Room Level	Ground floor plant room lowered by an additional 500mm for air handling plant
<b>Structures</b>			
2.1	Foundation	Piled Foundations	Reduction in pile count
2.2	Foundation	Piled Foundations	Increase in length of 30no piles under north core
2.3	Ground	Ground Floor Step	Small retaining wall in ground floor slab added to form step down to plant area around north core
2.4	Ground	Fire Lobbies	Masonry walls and capping RC slab added to 2no fire lobbies
2.5	Ground	Substation	Masonry walls, trenching and slab up-stand added as per typical UKPN information
2.6	All	RC Columns	Change in column grid - reduction in column count but larger section sizes used to compensate
2.7	All	RC Core Walls	Thickness reduced from 300mm to 250mm
2.8	Ground	RC Columns	RC Column grid supplemented at ground level locally to achieve Level 01 vibration criteria
2.9	Ground/1st	Masonry Restraint	Wind-posts/head restraints/lintel requirements added
2.10	Level 01	RC Transfer Wall	Transfer wall on GL 24 removed
2.11	Levels 02-07	RC Beams	Cantilevered RC beams on GL 20 and 22 removed
2.12	Levels 01-07	RC Beams	Additional RC beams to frame out slab steps (local to areas with deeper finishes)
2.13	Levels 02-07	RC Beams	Additional RC beam added to GL G/02-05 due to relocated column

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<b>Architectural</b>			
2.14	Ground-Level 07	Stair Support Steelwork	Landing support steelwork provided to assist Atrium feature stair.
2.15	Roof	Roof Steelwork	Minor framing amendments to correspond with updated RC column grid and framing around/providing support to feature chimneys
2.16	Roof	Roof Steelwork	Purlin spec shown
2.17	Roof	Roof Steelwork	Thermal breaks shown at base of columns
<b>MEP</b>			
3.1	All	Rainwater Harvesting	Removed as per VE schedule
3.2	Ground	Plate Heat Exchangers	Incoming district heating plate heat exchangers relocated from 7th floor boiler plant room to dedicated plant room on ground floor
3.3	01	Imagine AHUs	1No.Imaging AHU relocated from roof level to first floor plant room to serve relocated microscopy room
3.4	08	Compressed Air and Nitrogen Generators	Relocated from plant room on level 07 to level 08
3.5	02-07	CWC Rooms	Data hub locations relocated – now staggered generally rather than 2No.every other floor
3.6	Ground, 07-08	Atrium Smoke Ventilation	Mechanical Smoke ventilation no longer required to the Atrium, now natural via motorised automatic opening vent
3.7	Ground, 08	CBS Exhaust	Fans relocated from Ground floor CBS plant room AHU, replaced by replaced by centrifugal duty/assist/standby at level 08 plant room
3.8	All	Fire Alarm	Revert to L2 system from L1 system as per VE schedule

# Contact

**AJ100 Practice of the Year 2016 & 2017**  
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