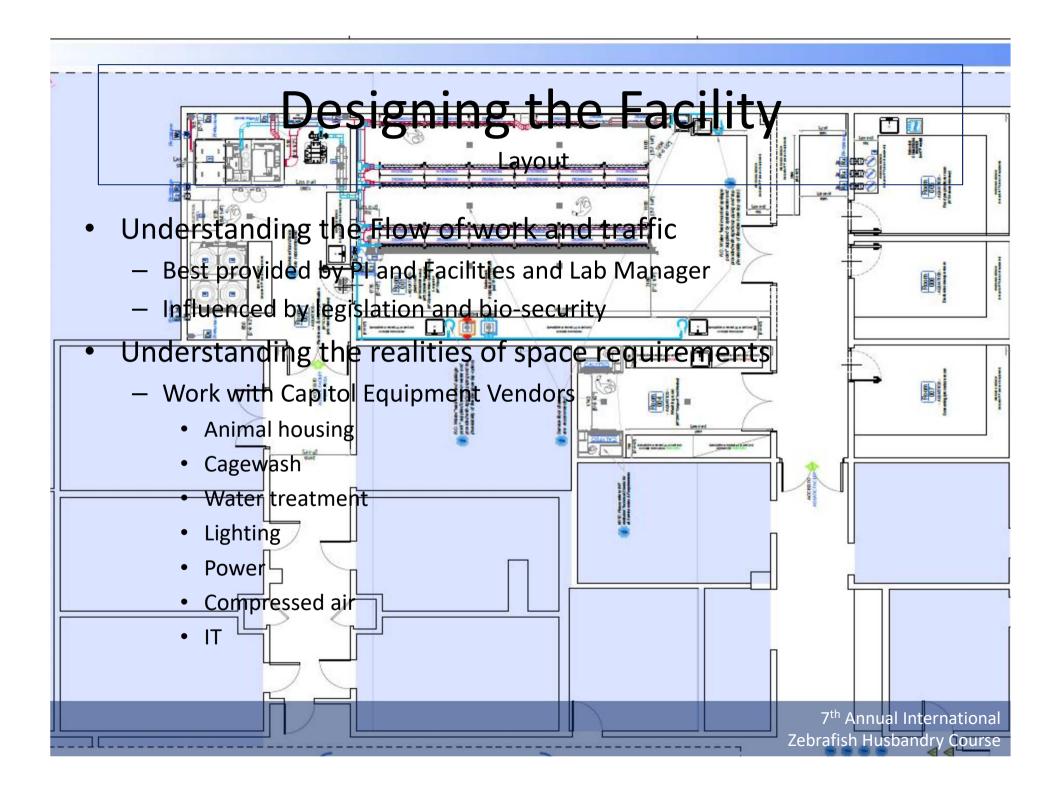
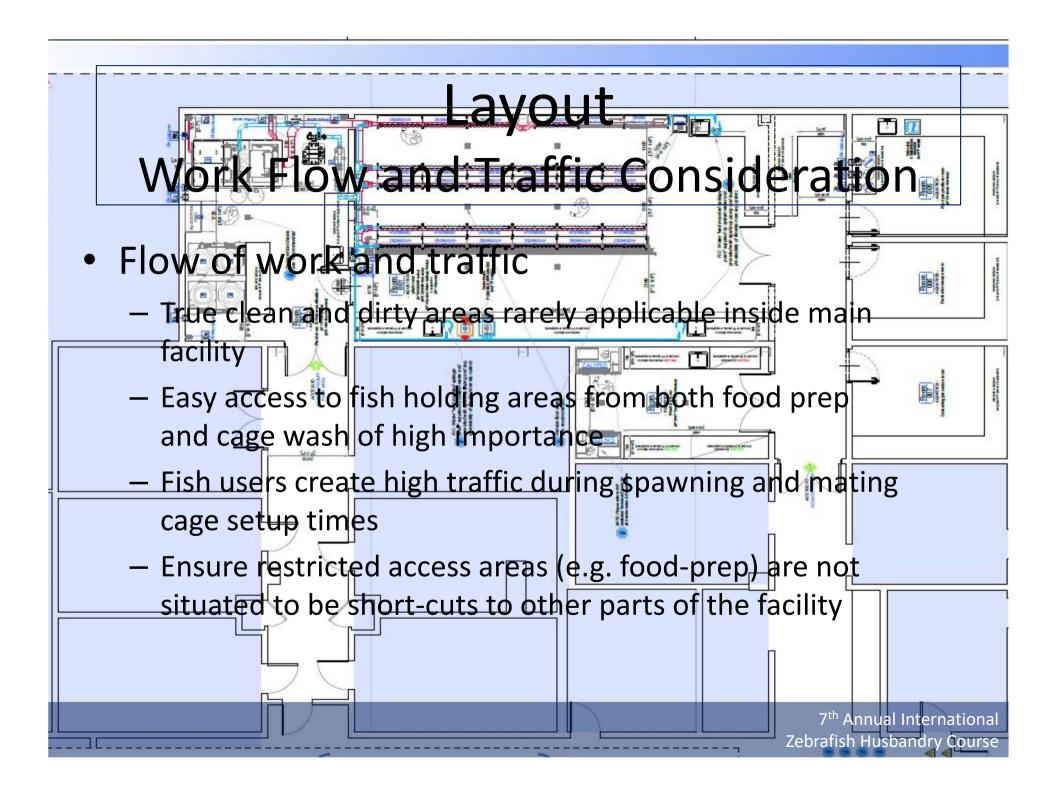
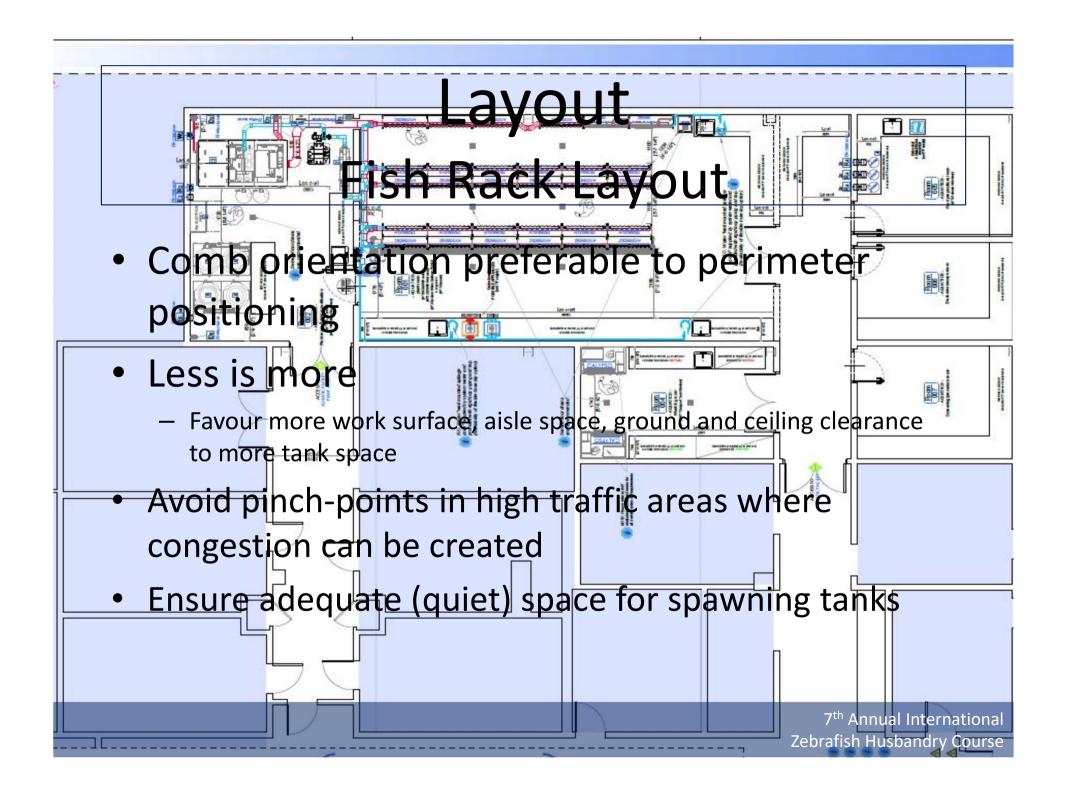


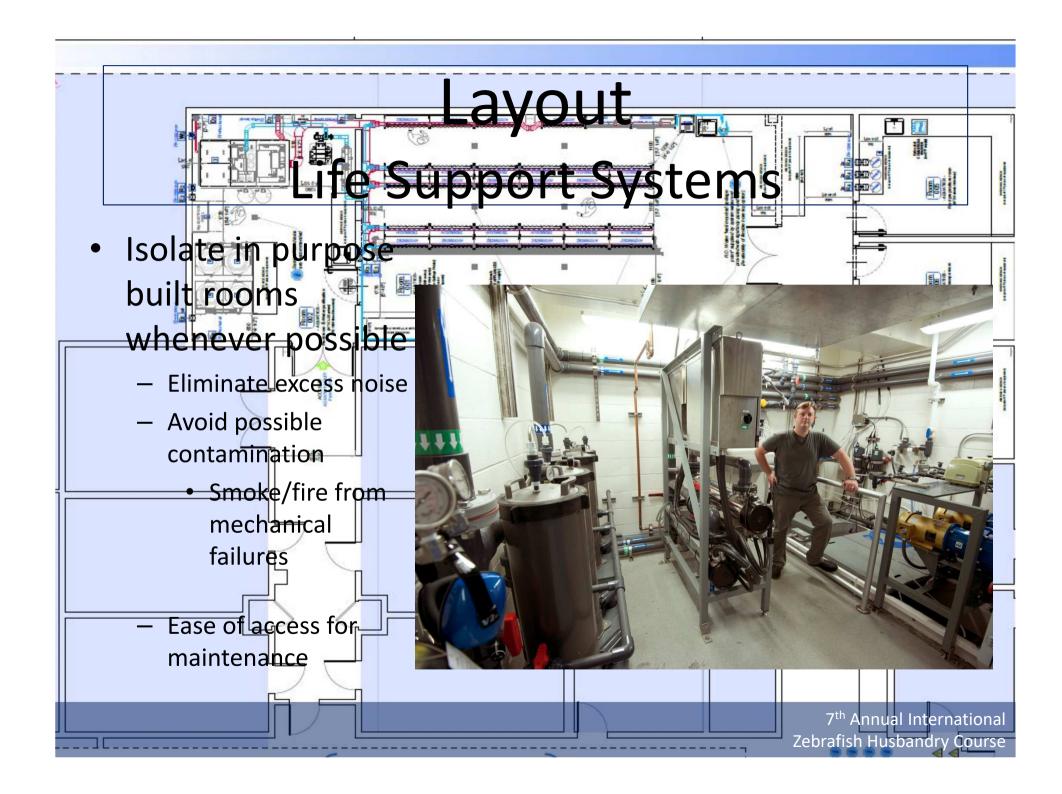
## Maintaining Control of the Project:

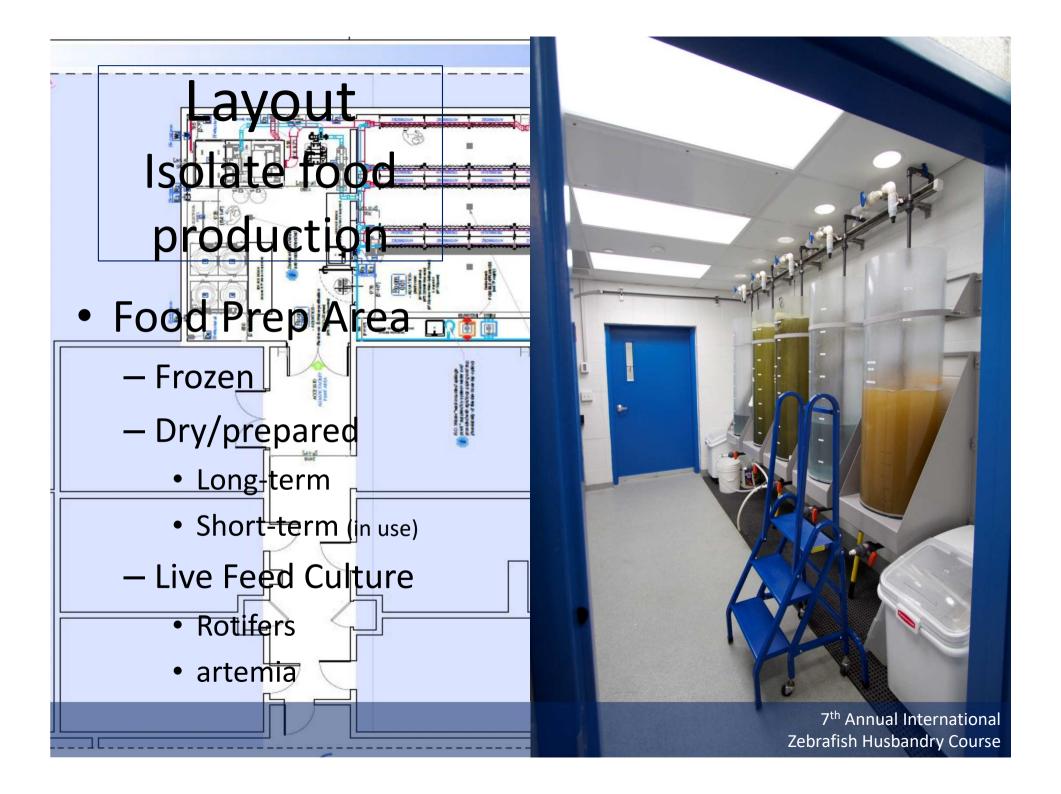
IV	'Iall	llalli	IIIg '	COIII		OI LI	IE FI	Oje	JL.
		* 8 stages -							
	0	RIBA 🔱		The RIBA Plan of Work 2013 organises the process of briefing, designing, constructing, maintaining, opera into a number of key stages. The content of stages may vary or overlap to suit specific project requirement should be used solely as guidance for the preparation of detailed professional services contracts and build			erating and using building projects ents. The RIBA Plan of Work 2013 uilding contracts.  www.ribaplanofwork.com		
	Plan of Work 2013	0	1 0	2	3	4	5	6	7 0=
	Tasks ▼	Strategic Definition	Preparation and Brief	Concept Design	Developed Design	Technical Design	Construction	Handover and Close Out	In Use
	Core Objectives	Identify client's Business Case and Strategic Brief and other core project requirements.	Develop Project Objectives, including Quality Objectives and Project Outcomes, Sustainability Aspirations, Project Budget, other parameters or constraints and develop initial Project Brief. Undertake Feasibility Studies and review of Site Information.	Prepare Concept Design, including outline proposals for structural design, building services systems, cutline specifications and preliminary Cost Informanton slorg with relevent Project Strategies in accordance with Design Programme. Agree siterations to birlef and issue Final Project Brief.	Prepare Developed Design, including coordinated and updated proposals for structural design, building services systems, outline specifications, Cost information and Project Strategies in accordance with Design Programme.	Prepare Technical Design in accordance with Design Pesponsibility Matrix and Project Strategies to include all architectural, structural and building services information, specialist subcontractor design and specifications, in accordance with Design Programms.	Offsite manufacturing and onsite Construction in accordance with Construction Programme and resolution of Design Queries from site as they arise.	Handover of building and conclusion of Building Contract.	Undertake In Use services in accordance with Schedule of Services.
	Procurement "Varlable task bar	Initial considerations for assembling the project team.	Prepare Project Roles Table and Contractual Tree and continue assembling the project team.	of the design or the formation Excha route and Building out the specific tend	The procurement strategy does not fundamentally after the progression of the design or the level of datall prepared at a given stage. However, Information Exchanges will very depending on the selected procurement route and Building Contract. A bespoke RIBA Plan of Work 2013 will set out the specific trendering and procurement activities that will occur at each stage in relation to the chosen procurement route.			Conclude administration of Building Contract.	
	Programme *Variable task bar	Establish Project Programme.	Review Project Programme.	Review Project Programme.	The procurement route m  tages overlapping or bei 2013 will clarify the the specific s	ay dictate the Project Programm ng undertaken concurrently. A bee stage overlaps. The Project Prog stage dates and detailed program	e and may result in certain spoke RIBA Plan of Work gramme will set out me durations.		_
	(Town) Planning Variable task bar	Pre-application discussions.	Pre-application discussions.	Planning applic A beapoke RIBA	ations are typically made using the A Plan of Work 2013 will identify v application is to be made.	e Stage 3 output. vhen the planning>			
task bars	Suggested Key Support Tasks	Review Feedback from previous projects.	Prepare Handover Strategy and Risk Assessments. Agree Schedule of Services, Design Responsibility Matrix and Information Exchanges and prepare Project Execution Plan including Technology and Communication Strategies and consideration of Common Standards to be used.	Prepare Sustainability Strategy, Maintenance and Operational Strategy and review Handover Strategy and Risk Assessments. Undertake third perty consultations as required and any Research and Development aspects. Review and update Project Execution Plan. Consider Construction Strategy, including offsite fabrication, and develop Health and Safety Strategy.	Review and update Sustainability, Maintenance and Operational and Handover Strategies and Risk Assessments. Undertake third party consultations as required and conclude Research and Development aspects. Review and update Project Execution Plan, including Change Control Procedures. Review and update Construction and Health and Safety Strategies.	Review and update Sustainability, Maintenance and Operational and Handover Strategies and Risk Assessments. Prepare and submit Building Regulations submission and any other third party submissions requiring consent. Review and update Project Execution Plan. Review Construction Strategy, including sequencing, and update Health and Safety Strategy.	Review and update Sustainability Strategy and implement Handover Strategy, including agreement of information required for commissioning, training, handover, asset management, future monitoring and maintenance and ongoing compilation of Mas- constructed Information. Update Construction and Health and Safety Strategies.	Carry out activities listed in Handover Strategy including Feedback for use cluring the future life of the building or on future projects. Updating of Project Information as required.	Conclude activities listed in Handover Strategy including Post-occupancy Evaluation, review of Project Performance, Project Outcomes and Research and Development aspects.  Updating of Project Information, as required, in response to ongoing client Feedback until the end of the building's life.
	Sustainability Checkpoints	Sustainability Checkpoint — 0	Sustainability Checkpoint — 1	Sustainability Checkpoint — 2	Sustainability Checkpoint — 3	Sustainability Checkpoint — 4	Sustainability Checkpoint — 5	Sustainability Checkpoint — 6	Sustainability Checkpoint — 7
	Information Exchanges (at stage completion)	Strategic Brief.	Initial Project Brief.	Concept Design including outline structural and building services design, associated Project Strategies, preliminary Cost Information and Final Project Brief.	Developed Design, including the coordinated architectural, structural and building services design and updated Cost Information.	Completed Technical Design of the project.	'As-constructed' Information.	Updated 'As-constructed' Information.	"As-constructed" Information updated in response to orgoing client Feedback and maintenance or operational developments.
<u> </u>	UK Government Information Exchanges	Not required.	Required.	Required.	Required.	Not required.	Not required.		International pandry Course

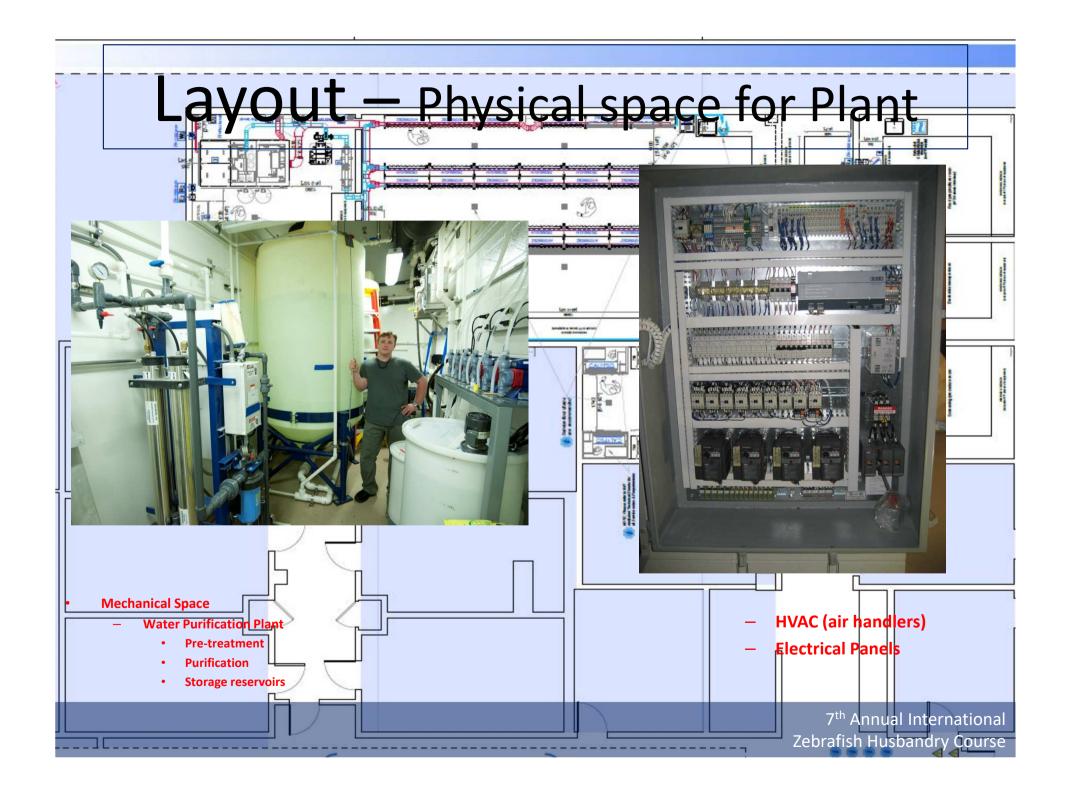


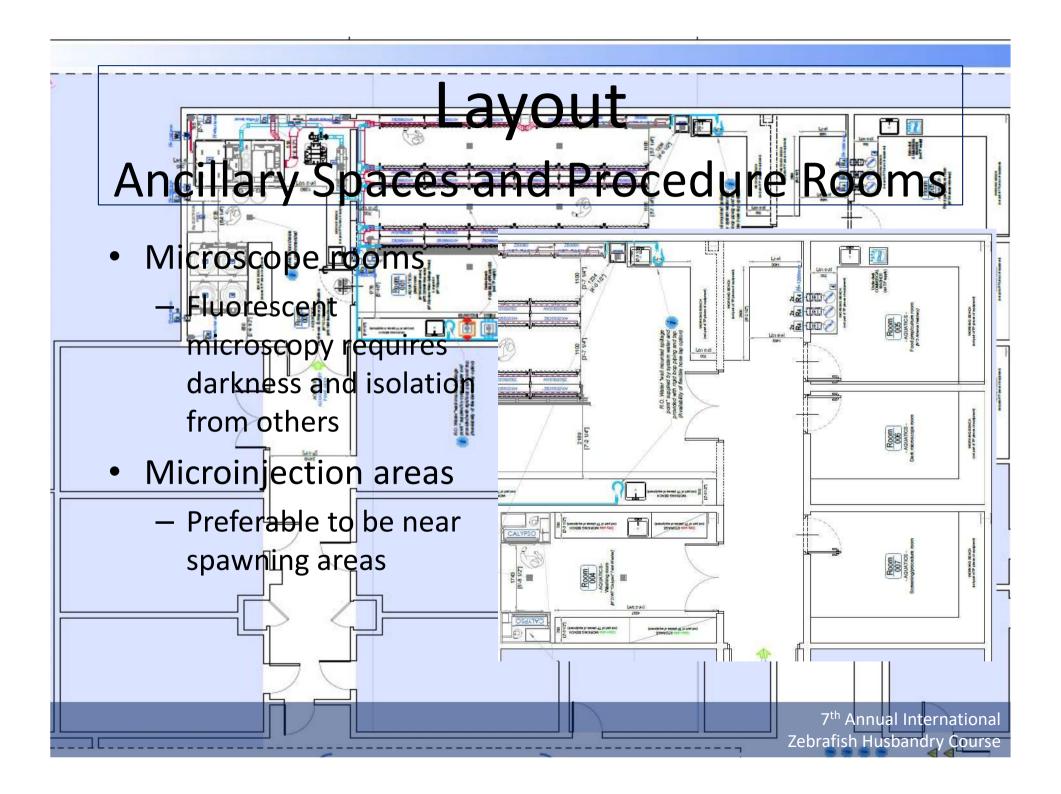


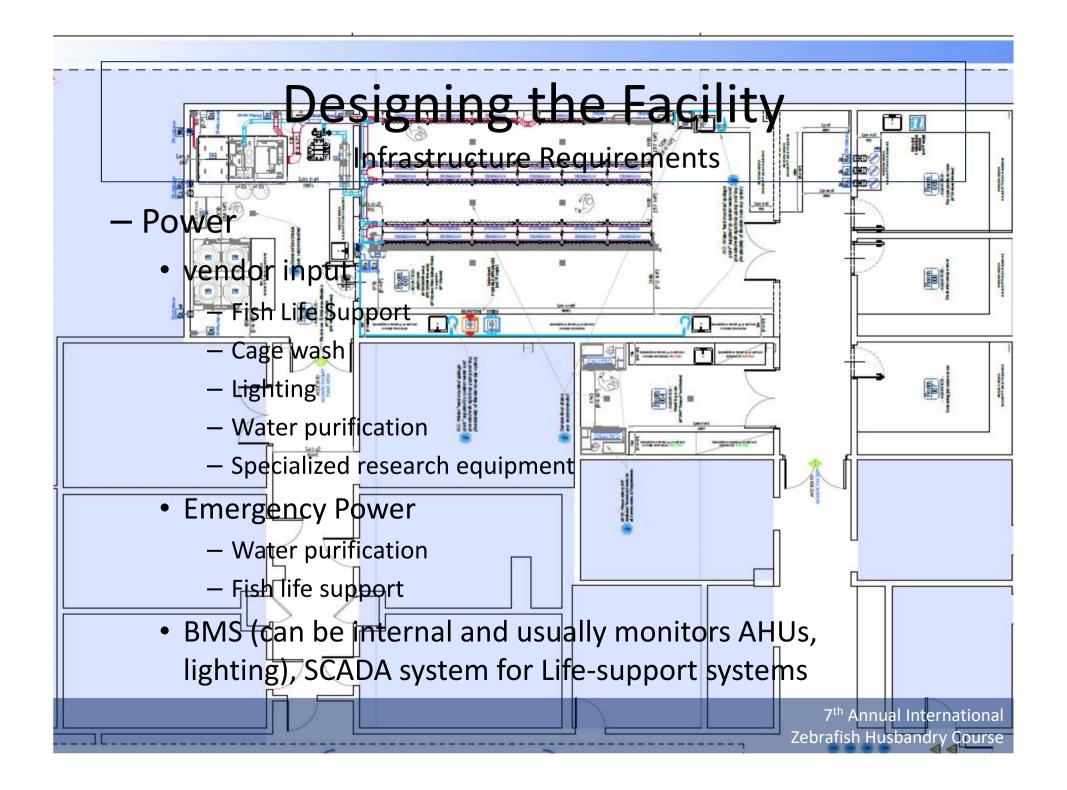


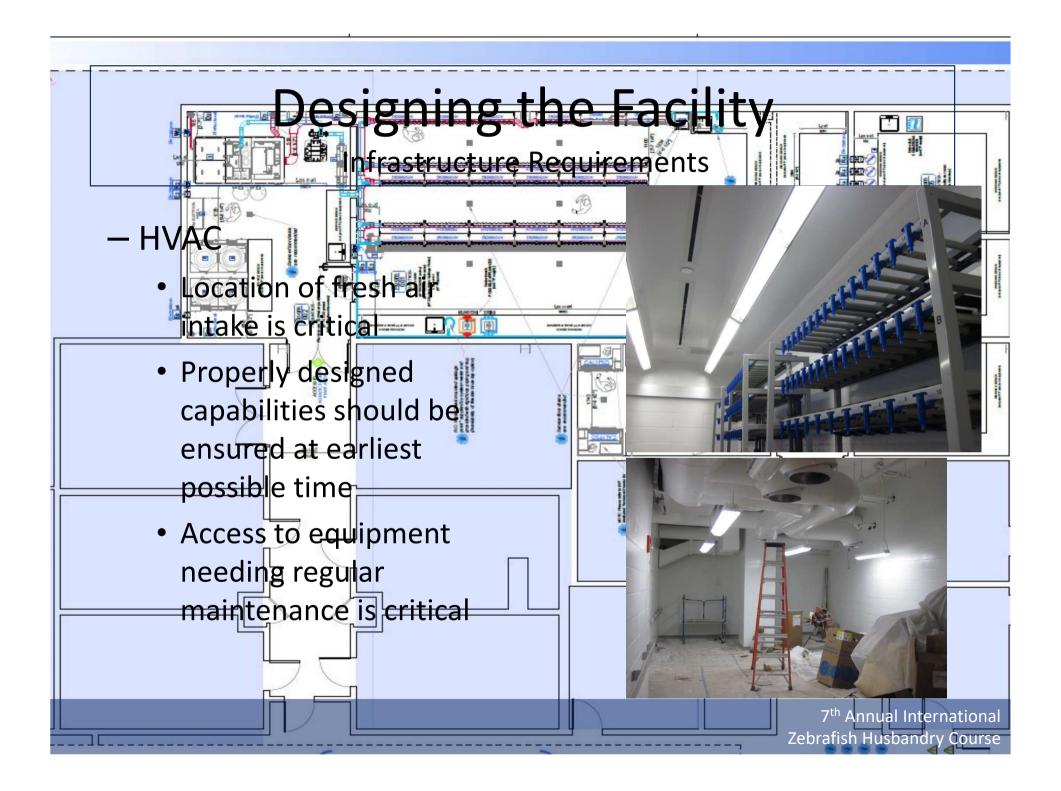




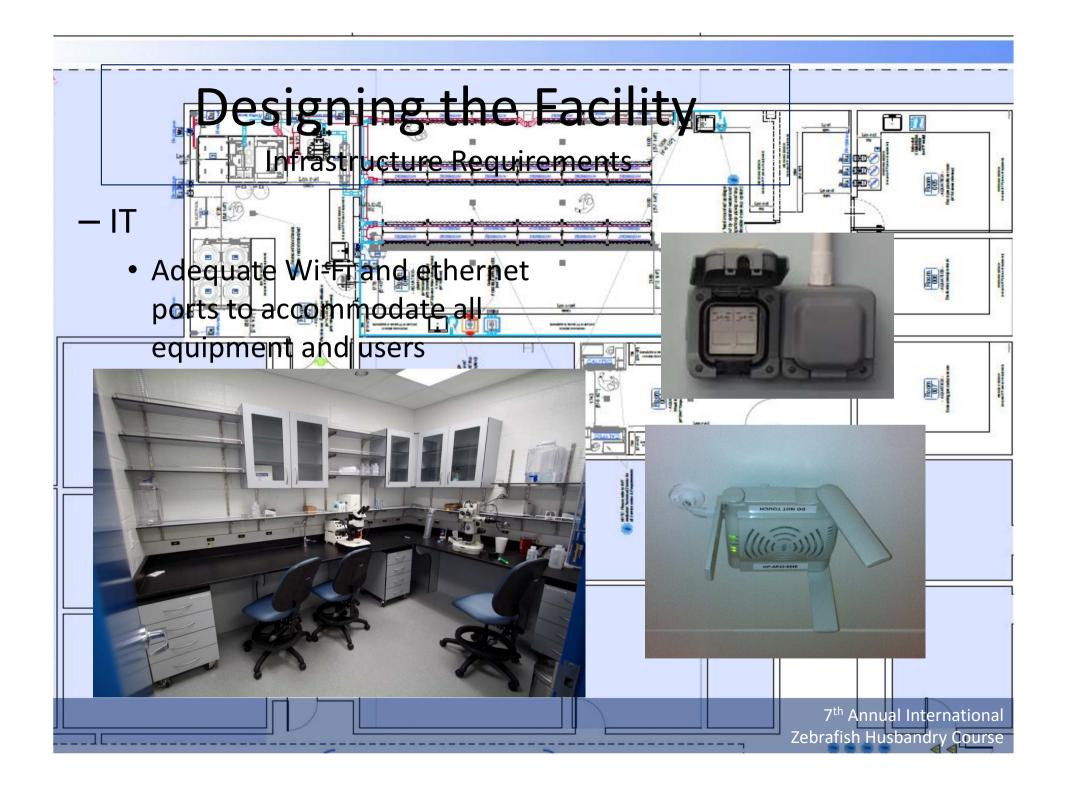


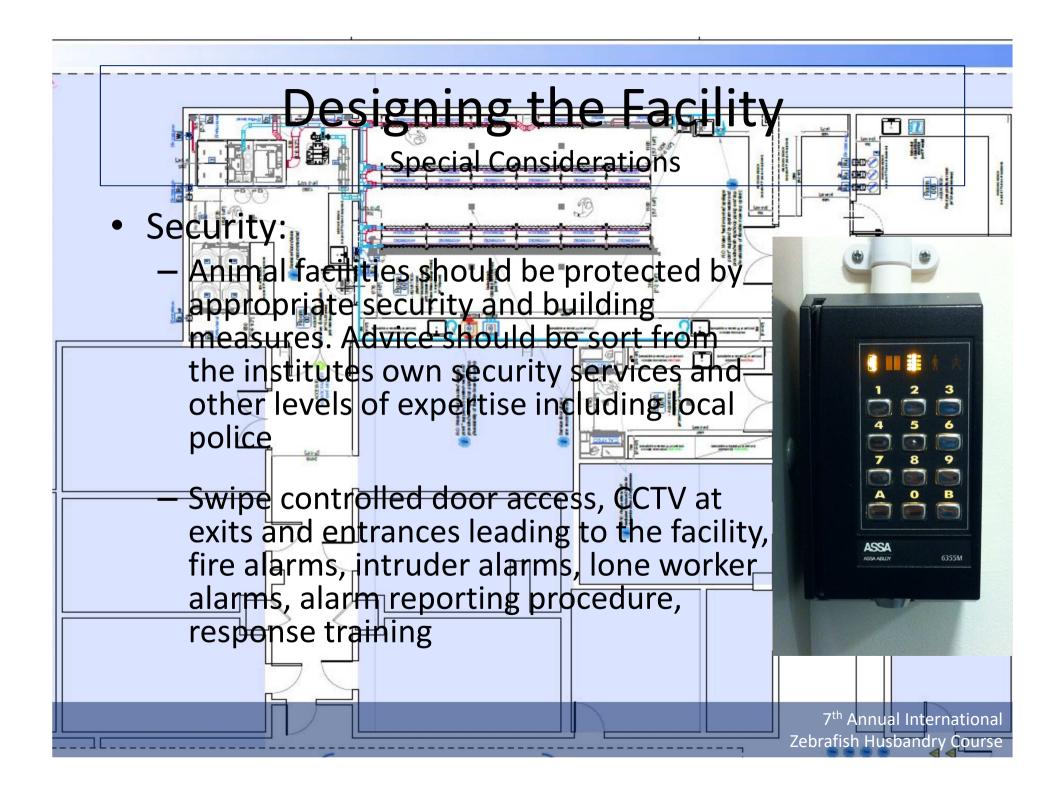


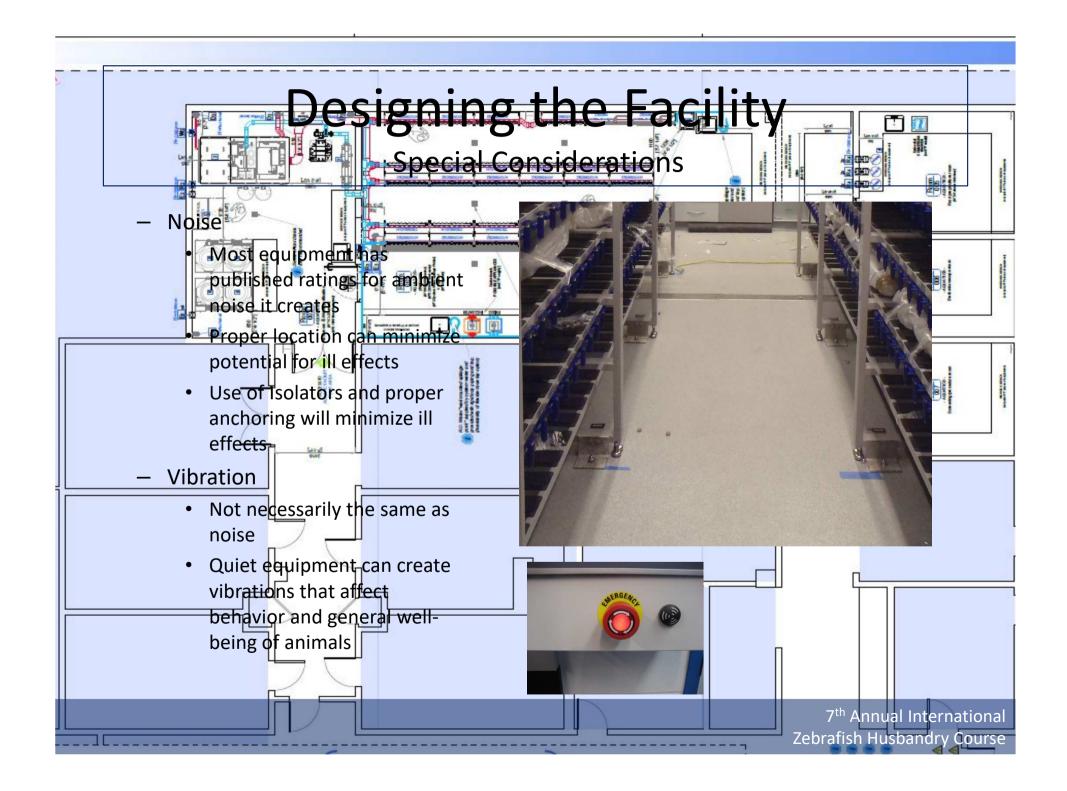


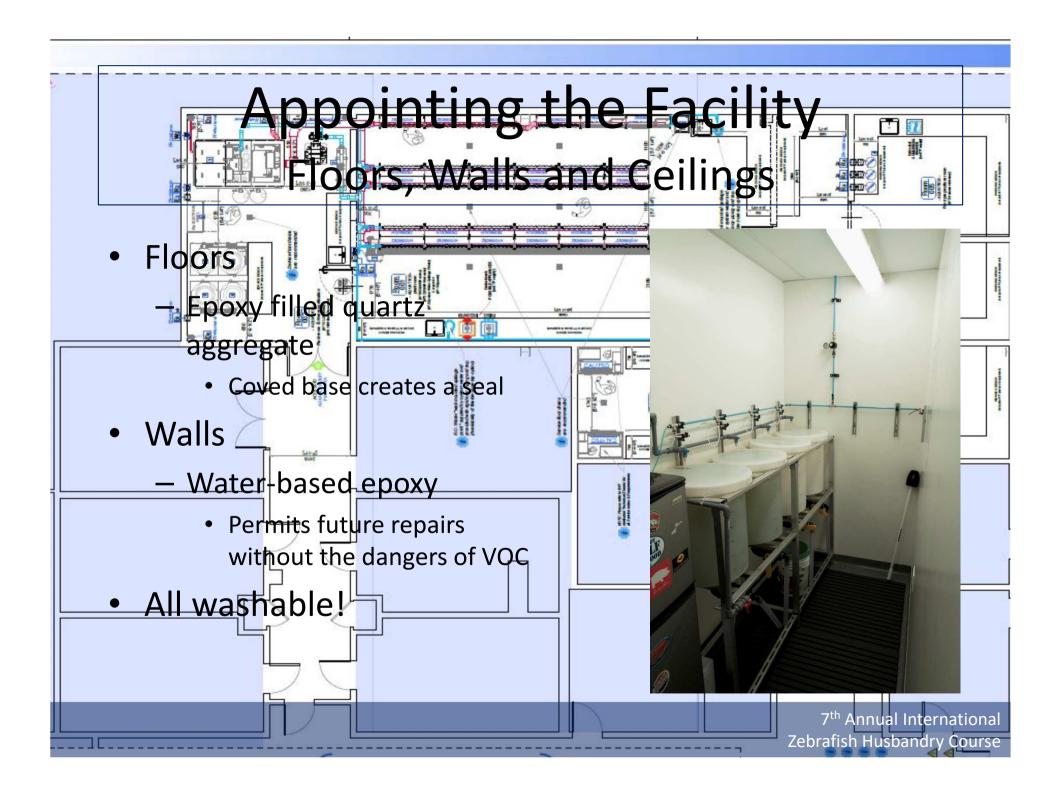










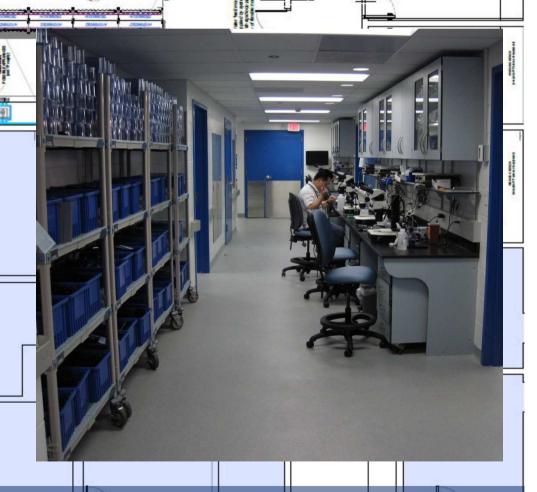


## Appointing the Facility Casework, Hardware, Doors

- Casework
  - Must be impermeable, such as phenolic resimple.
  - Tops should be epoxy or □ top

similar

- Hardware
  - 316-stainless steel
  - plastic
- Ceilings
  - Open is best
  - Water resistant tiles for suspended ceilings
  - Hard ceilings need ample access panels and epoxy paint



7<sup>th</sup> Annual International Zebrafish Husbandry Course



 Doors, kick plates, pus panels edging strips, etc.

- Pipes, Wiring, Cabling, Conduit, etc.
  - advisable to install services in such a way that they are either buried within the fabric of the building, boxed in or clear of the wall surface for easy cleaning



