

Date	Lecture and topic	Assignment
Week 1	Introduction to building information modeling	
08/27	Introduction to Revit Architecture 2010	
Week 2	BIM capabilities	MA 1
09/03	Construction of a simple project	MAI
Week 3	BIM in the AECM domain	
09/10	Revit (Lighting Studies, Recycled content calc ⁿ)	MA 1 due/MA 2
Week 4	Type of families	
09/17	Revit Modeling 3d Families I	
Week 5	Categories and Parameters	
09/24	Revit Modeling 3d Families II MA 2 due/MA 3	
Week 6	Encoding Design Rules	
10/01	Revit Modeling 3d Families III	
Week 7	Prototyping	
10/08	Revit Modeling 3d Families IV	MA 3 due

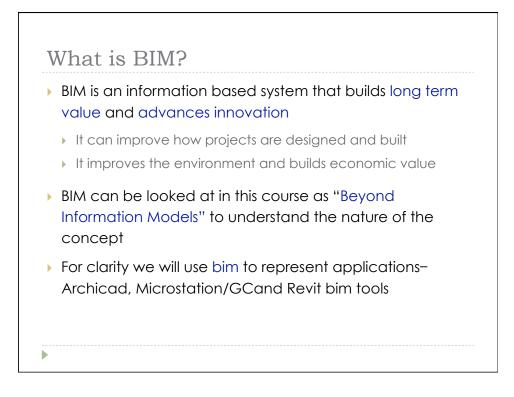
Date	Class	Assignment		
	Introduction to .NET SDK	Assignment		
	Introduction to .NET SDK Introduction to .NET SDK and C#	Project		
	Introduction to Database			
10/29	Database and SQL			
Week 10	Databases used to automating modeling process			
11/05	Databases I and II	Project proposal		
Week 11	Databases used to automating modeling process			
11/12	Databases III and IV			
Week 12	LEED credit evaluation using:			
11/19	Databases I - IV			
Week 13	Thanksgiving Holiday (NO CLASS)			
11/25-27	Indriksgiving Holiday (NO CLASS)			
Week 14	Project assistance			
12/03	Project assistance			
Week 15	Review	Drojo oto dulo		
12/10	Final Presentation	Projects due		

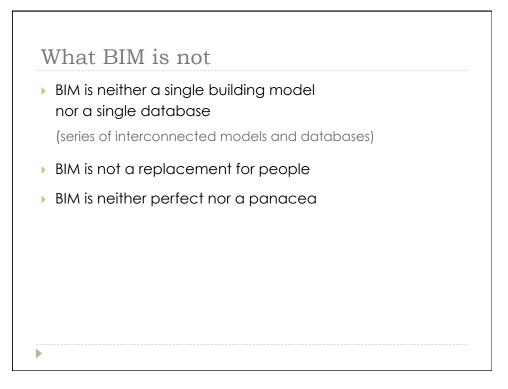
What is BIM

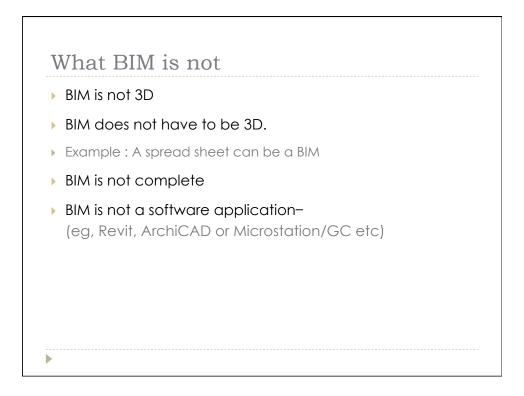
- The acronym BIM (Building Information Model(ing)) was coined in the early 2002 (attributed to Jerry Laserin though the concept predates this by at least 15 years)
- BIM relies on the creation and collection of interrelated computable information about a building project
- BIM processes revolve around virtual models that make it possible to share information through out the building industry

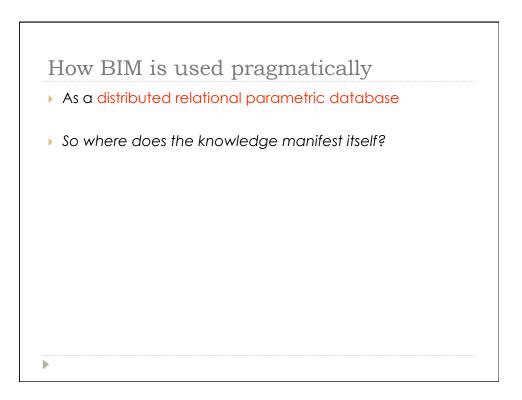
What is BIM

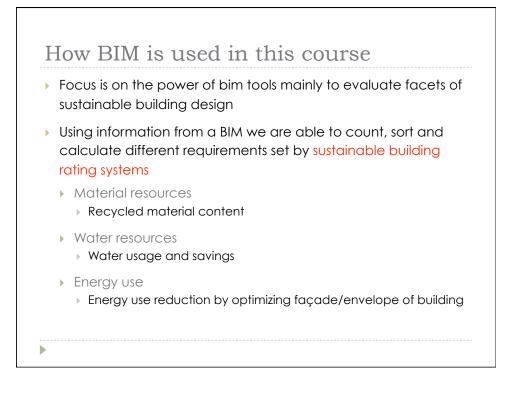
- These models are embedded with data, which, when shared among design team members, can reduce errors and facilitate an integrated process.
- The federal government has predicted savings of \$15.8 billion annually from an integrated process.
- Projects today using BIM properly save 5-12% on overall process costs

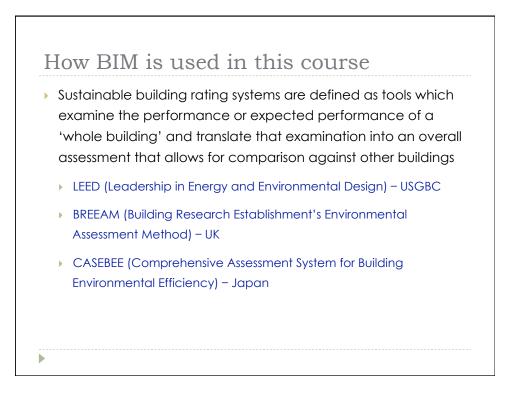




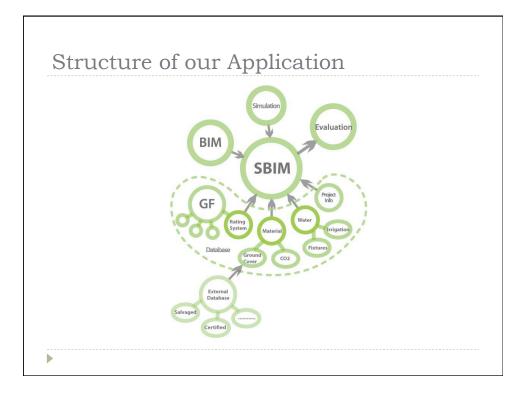


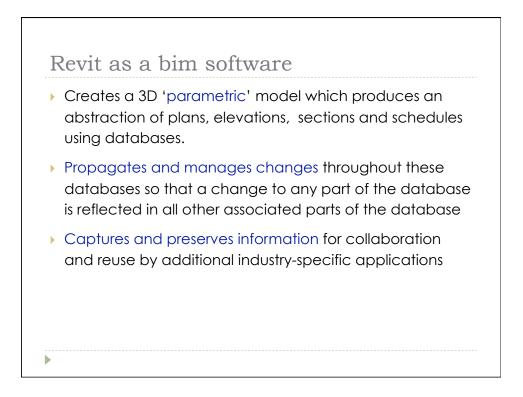


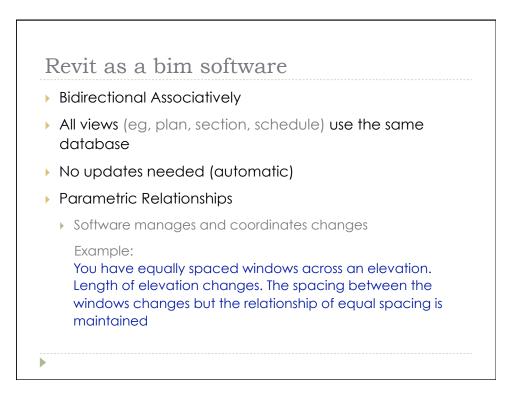


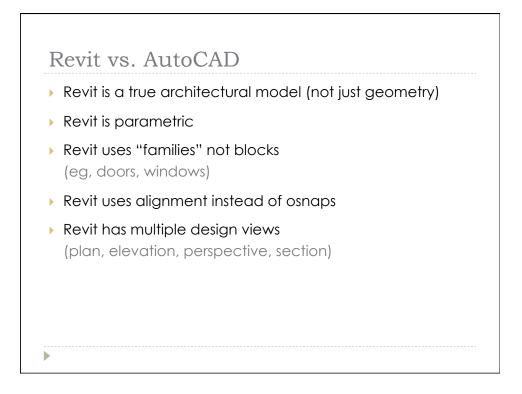


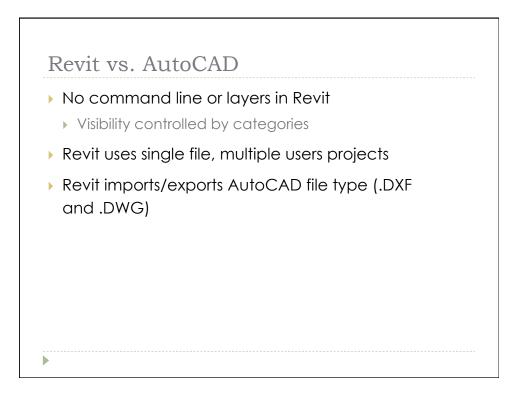
General Assessment Area	LEED 3.0	Green Star	BREEAM	
Management		Management	Management	
Energy & Atmosphere	Energy	Energy	Energy	
Emissions		Emissions	Pollution	
Sustainable Sites	Sustainable sites	Land Use and Ecology	Land Use and Ecology	
		Transportation	Transportation	
Water Efficiency	Water Efficiency	Water	Water	
Indoor Air Quality	Indoor Air Quality	Indoor Environmental Quality	Health and Well Being	
Quality of Service				
Materials and Resources	Materials and Resources	Materials	Materials	
Innovations	Innovations	Innovation		
Culture and Heritage				

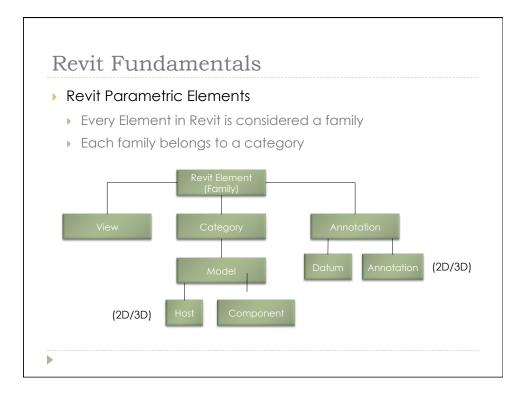


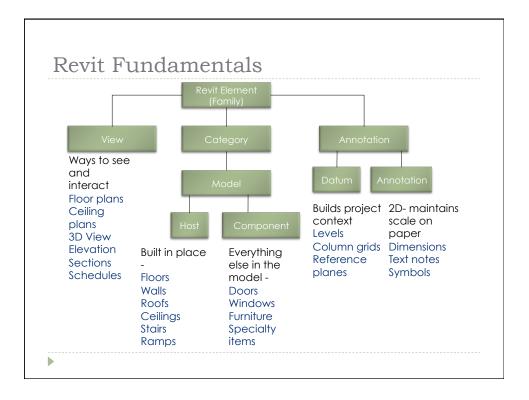


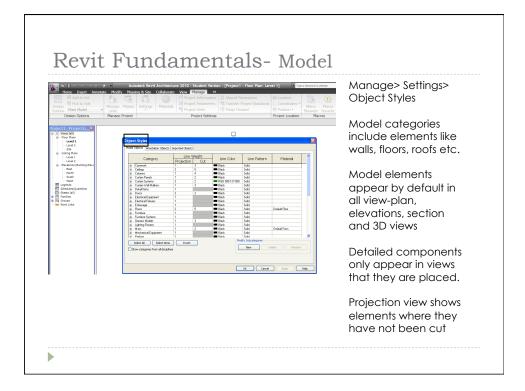


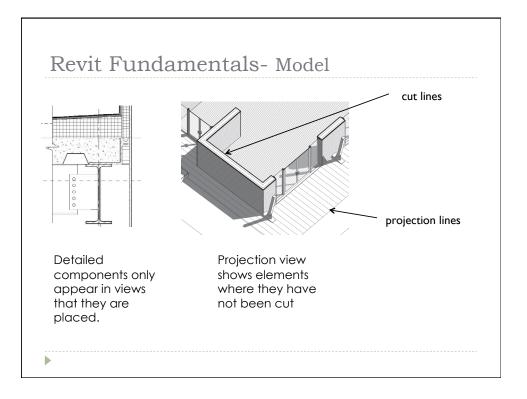


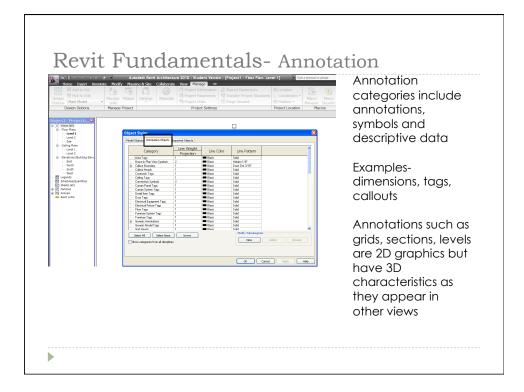


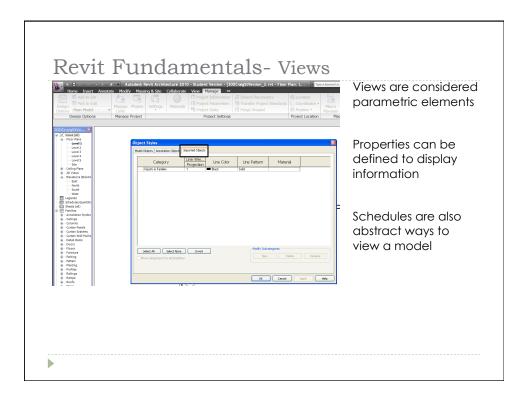


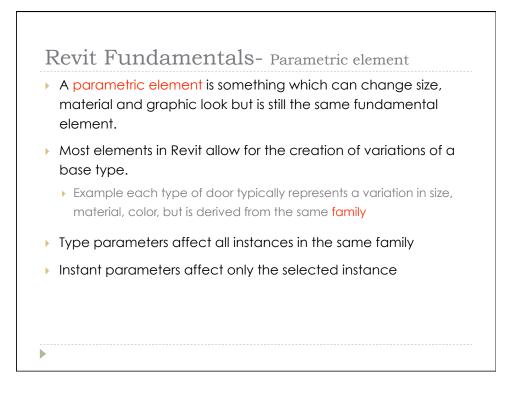


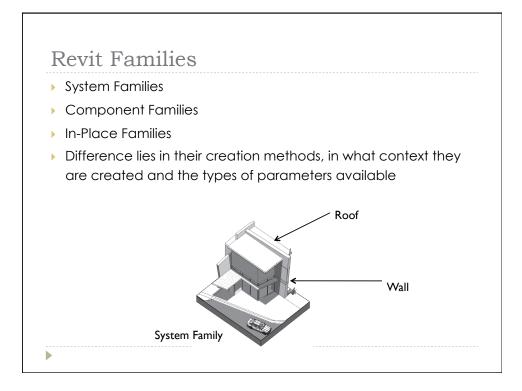


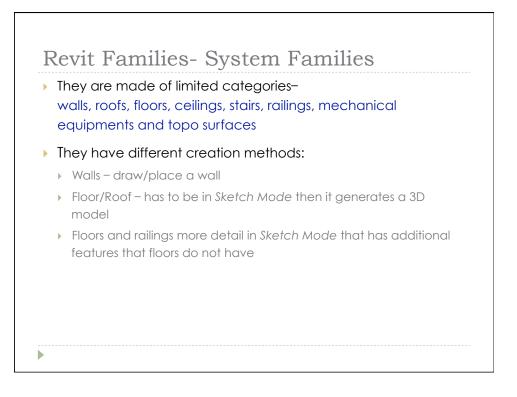


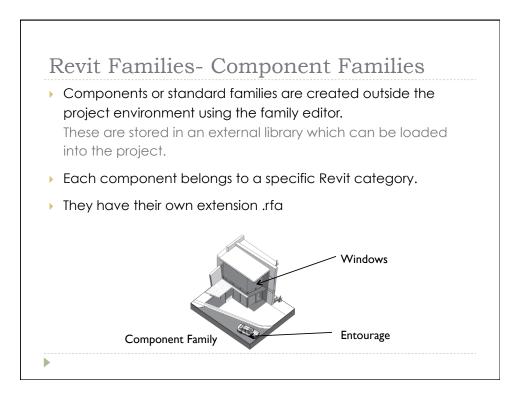


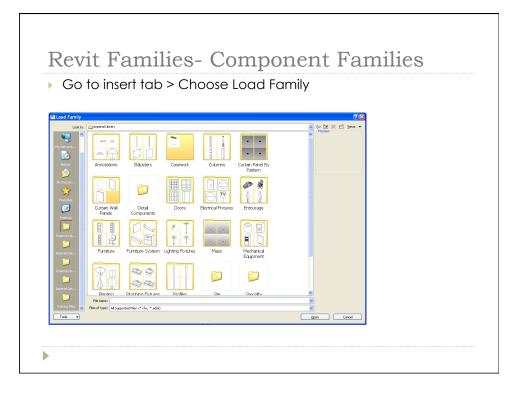


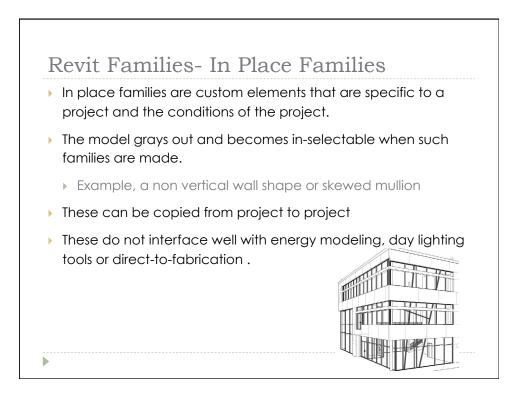


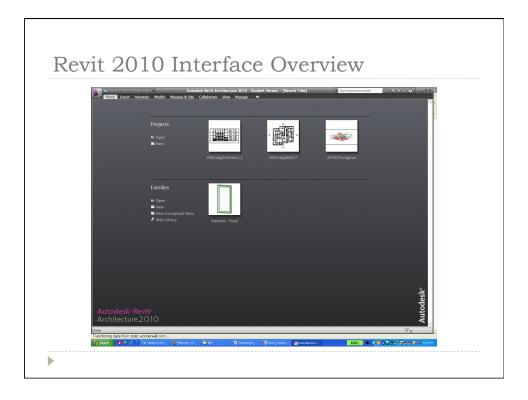


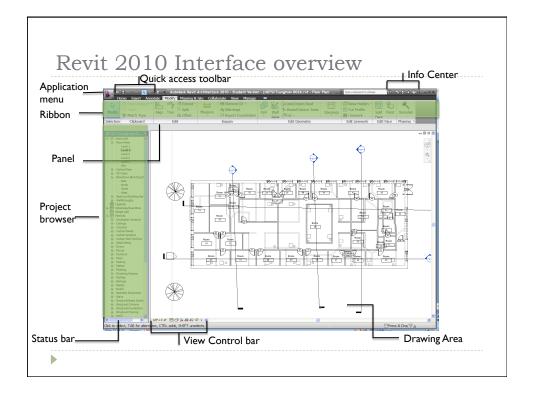




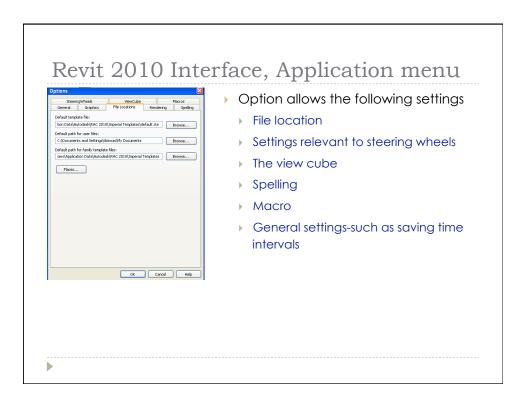




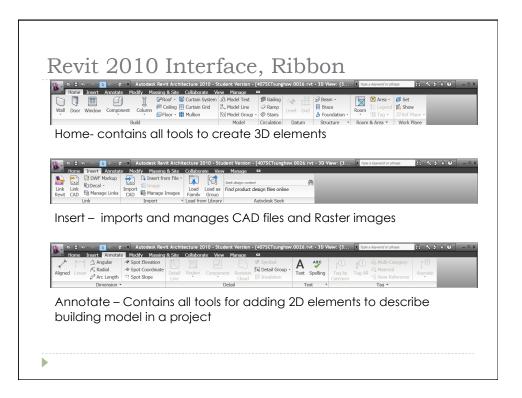


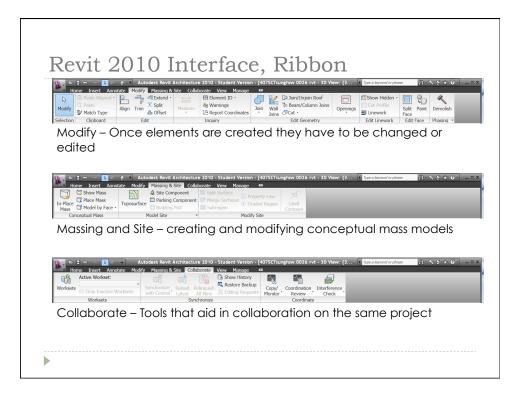


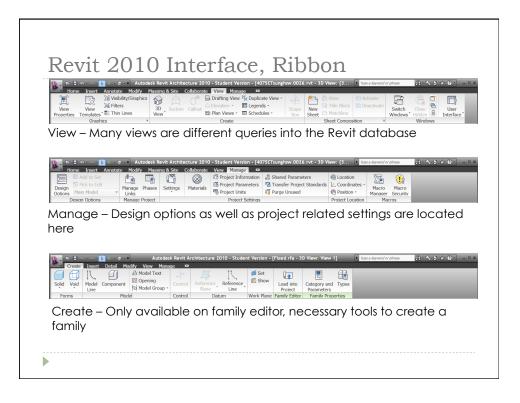
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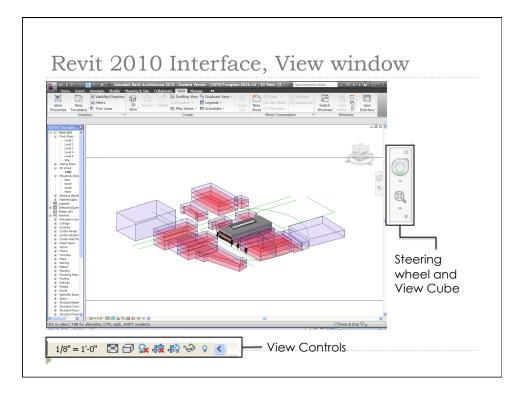


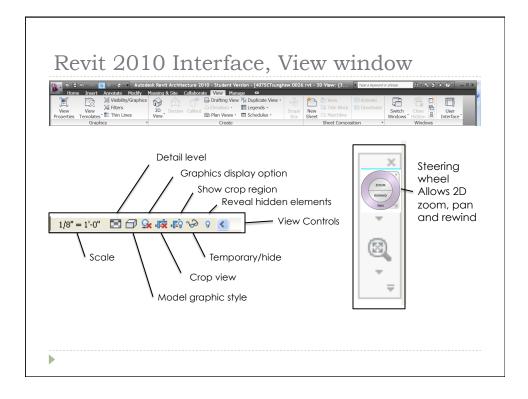
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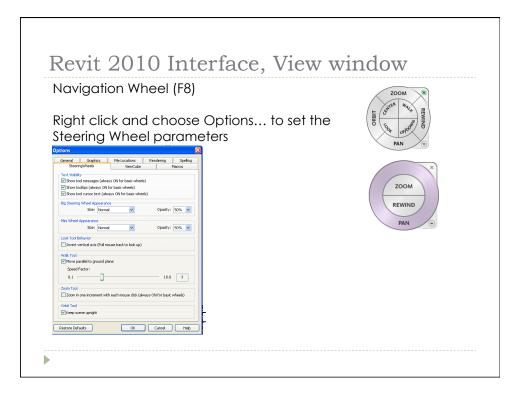


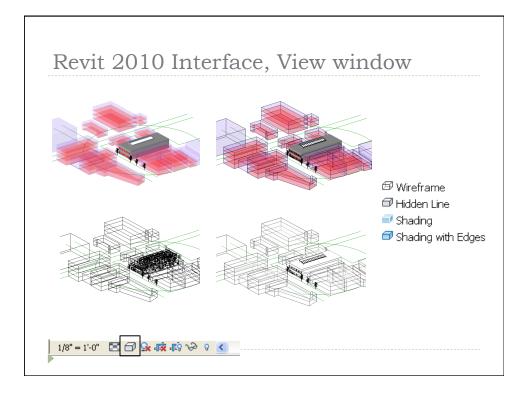


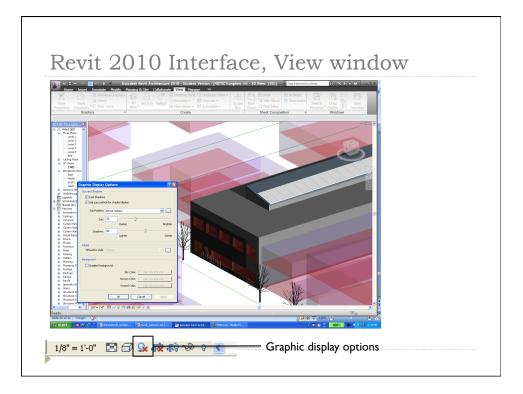


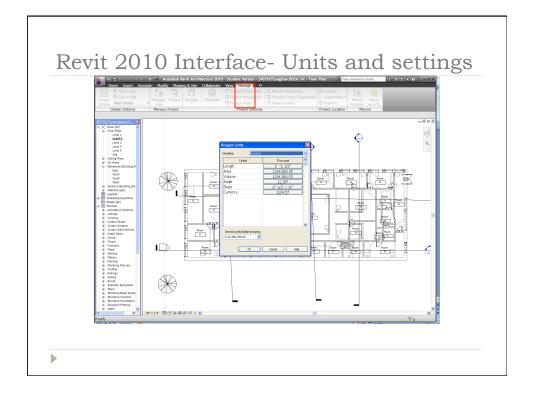


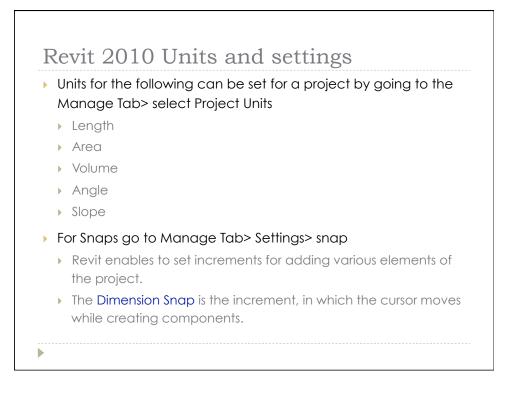


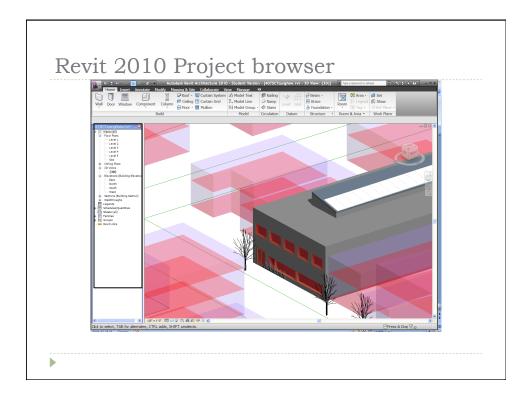


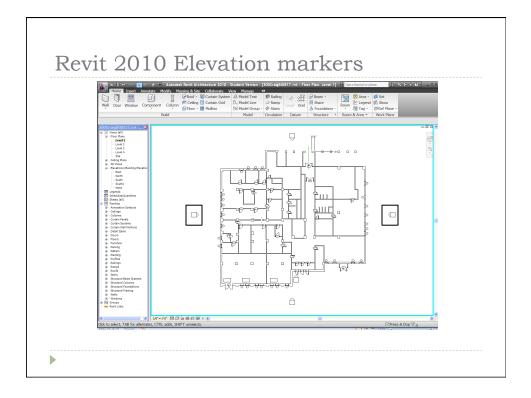


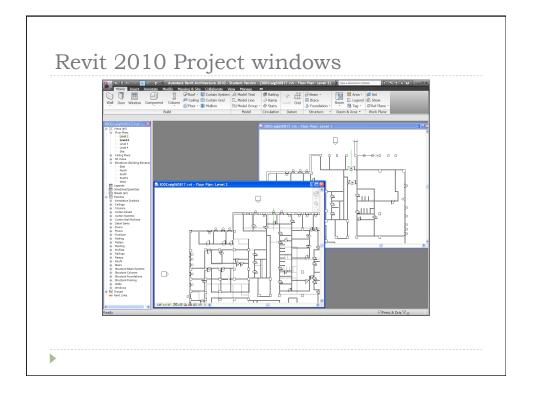




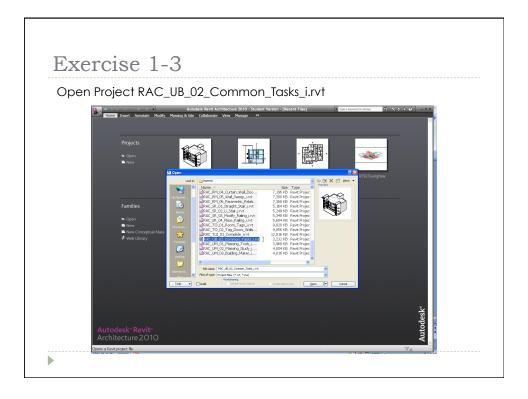




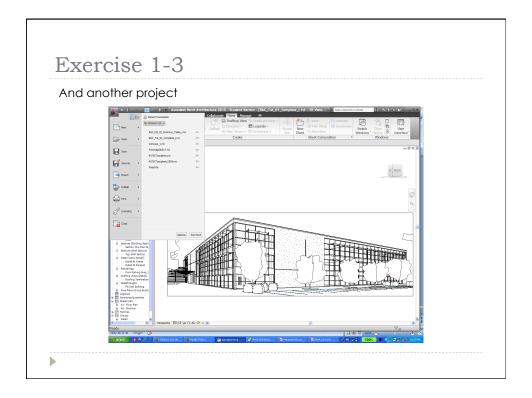


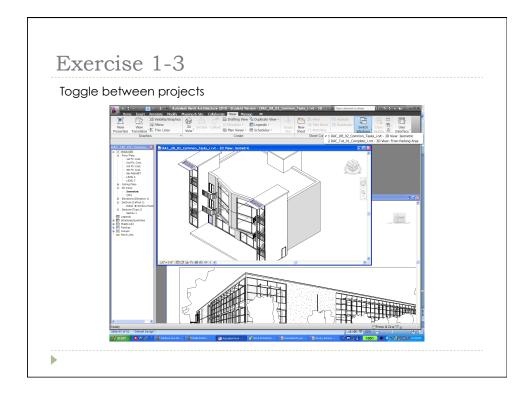












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