BRIC

Baylor Research and Innovation Collaborative

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- Vision
  - ***To build an international research innovation network that acts as both a cornerstone and catalyst to leverage industry, university and community collaborations for economic development and continuous advanced technical training.***

- Space Allocation
  - Space within the 300,000 SF building will be allocated as follows:
    - Baylor University Faculty and Graduate Research - ~160,000 SF
    - Industry Collaborative Research - ~50,000 SF
    - TSTC Advanced Workforce Development and Training - ~45,000 SF
    - Symposia, Training, Workshops and STEM meeting areas - ~30,000 SF
    - Innovative Business Accelerator - ~ 15,000 SF

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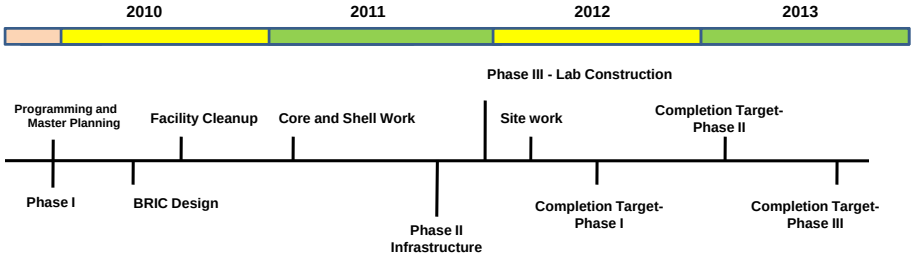
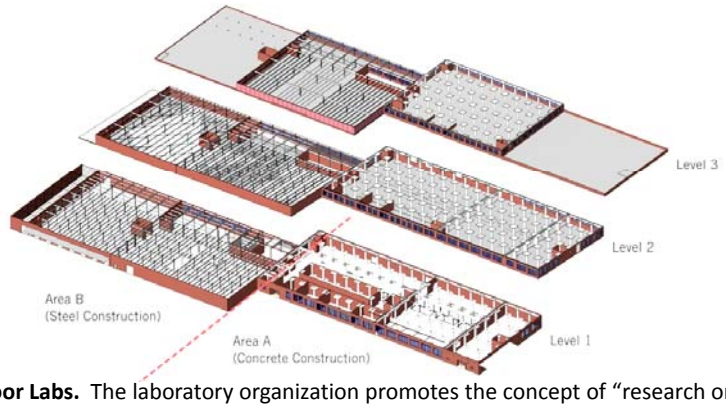
Project Timeline

- Our detailed project schedule is organized by the three phases we have established for the BRIC:
- Phase 1- Unfinished Shell
- Phase 2- Infrastructure Enhancements
- Phase 3- Laboratory Construction
- Following is the summary project timeline:



Floor Plan Organization



First Floor Labs. The laboratory organization promotes the concept of "research on display" with many of the support labs having visual connections to the major circulation corridors, allowing visitors to the BRIC facility to view the research efforts. Labs which are vibration or magnetic/RF shielding sensitive (anechoic chamber, scanning electron microscope, clean room, and the data center) are located in the southeast quadrant of the building to take advantage of the concrete structural frame. Labs which may produce EMI or ground-borne vibration (thermal research lab, inductive plasma generator lab) are located in the northwest portion of the 1st floor.

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What's next?

- Shell – 18 to 24 months
  - Take existing building to shell
  - Replace roof, windows, seal building
  - Install basic infrastructure
    - Utilities, IT, security, parking lot
  - Partial completion of internal multipurpose space
    - Lobby, community restrooms, elevators
    - Initial industrial shell space

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What's next?

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What's next?

- Phase II & III
  - Detail faculty & graduate research space allocation reviews with users
    - Floor plan and equipment placement reviews with various departments, schools, centers and institutes
  - Continue planning, economic development and funding efforts
    - Work with TSTC to appropriately place workforce development and training space
    - Find and match industry needs to Baylor research strengths
    - Place appropriate industry collaborations within BRIC
    - Finalize Innovative Business Accelerator concept for BRIC
    - Continue to compete for federal, state research, building and construction grants

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What's downrange?

- Advanced manufacturing/composite materials research
- Avionics research
- Small space satellites/sensor development/UAV
- Sustainable/Alternative energy research
- Smart Grid research
- Bio-Pharma
- Integrated water quality research
- Environmental and Bio Sensor

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