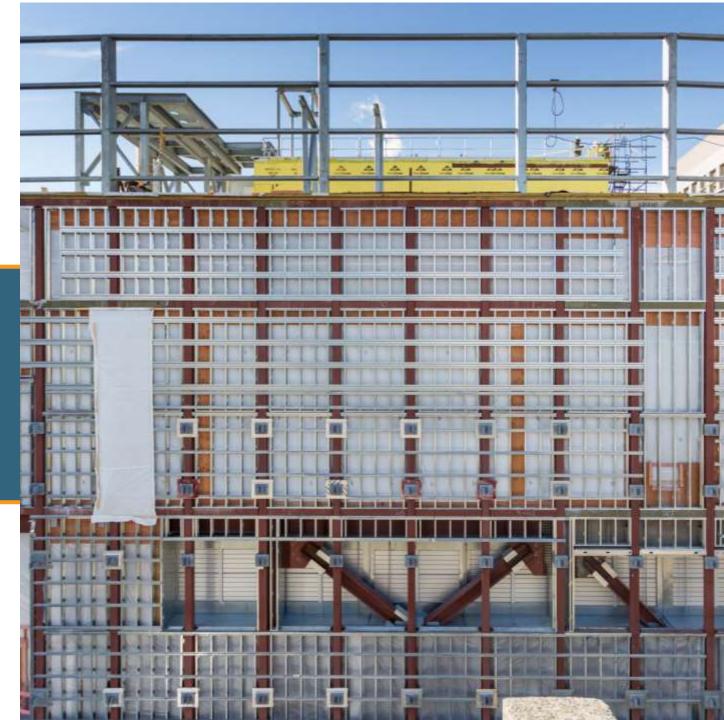


PRESENT

Form & Function of Large Scale CHP in an **Urban Environment**

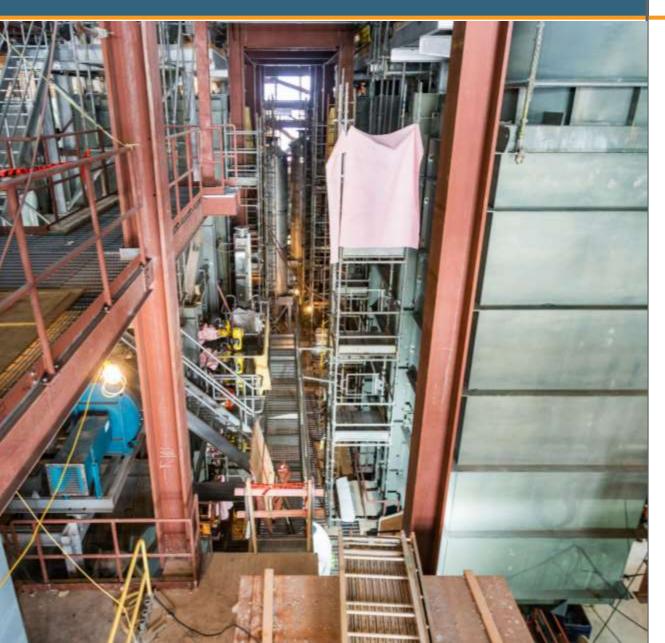


February 26 - March 1, 2019 | New Orleans, LA | Hilton New Orleans Riverside



AGENDA





- Team Introductions
- Engineering Considerations
- Architectural Considerations
- Construction Considerations

TEAM INTRODUCTIONS





BOND



MICHAEL W THORNTON Principal VANDERWEIL



DOMINICK ROVETO, AIA, LEED AP President ELLENZWEIG

JESSE CONKLIN

Senior Project Manager BOND

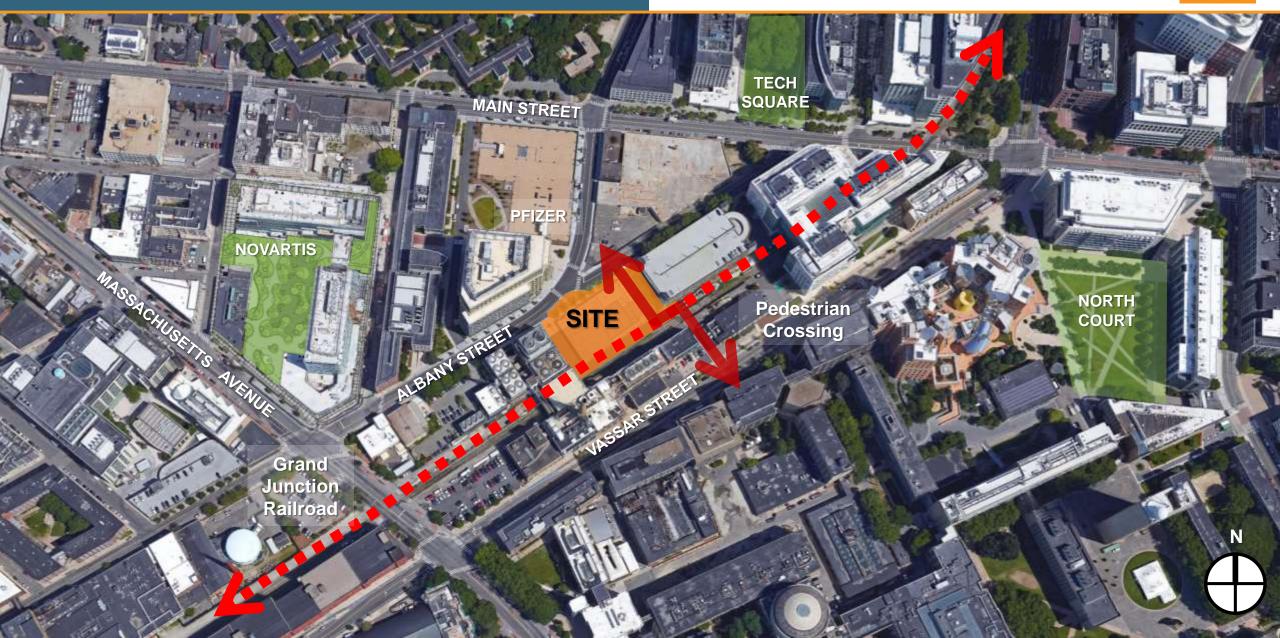


- Provide resiliency in delivery of utilities during a flood condition of Charles River
- Increase reliability of existing MicroGrid
- Provide support to new science building and campus loads
- Improve efficiency of steam production while reducing operating costs
- Eliminate use of fuel oil except for required code back up
- Reduce greenhouse gas footprint

A: MIT and Community Sensitivities around Site and Building Aesthetics



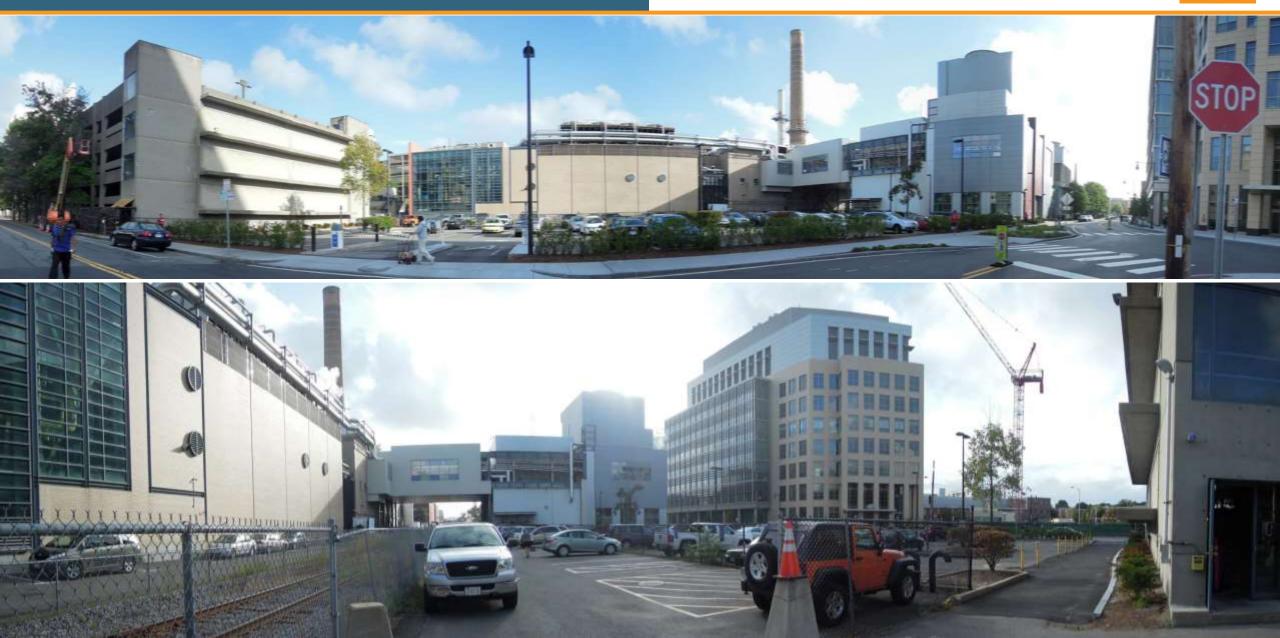




A: MIT and Community Sensitivities around Site and Building Aesthetics



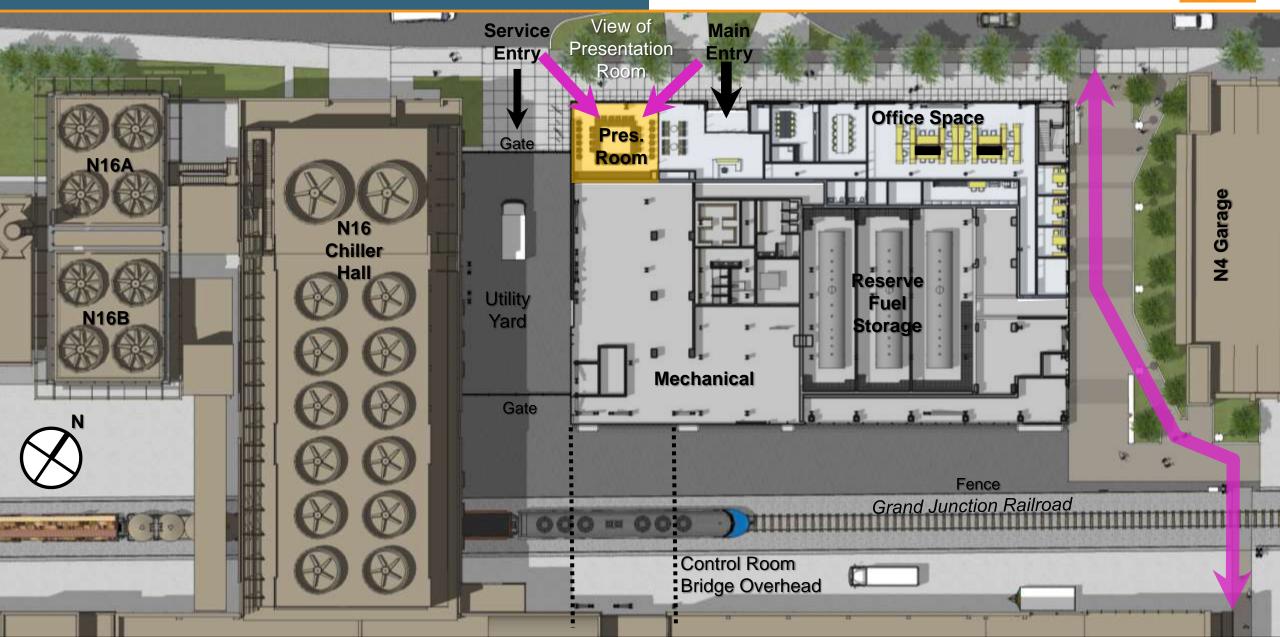
ELLENZWEIG



B: Architectural Overview Plan at Ground Floor (el. 17'-9")



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B: Architectural Overview Outreach

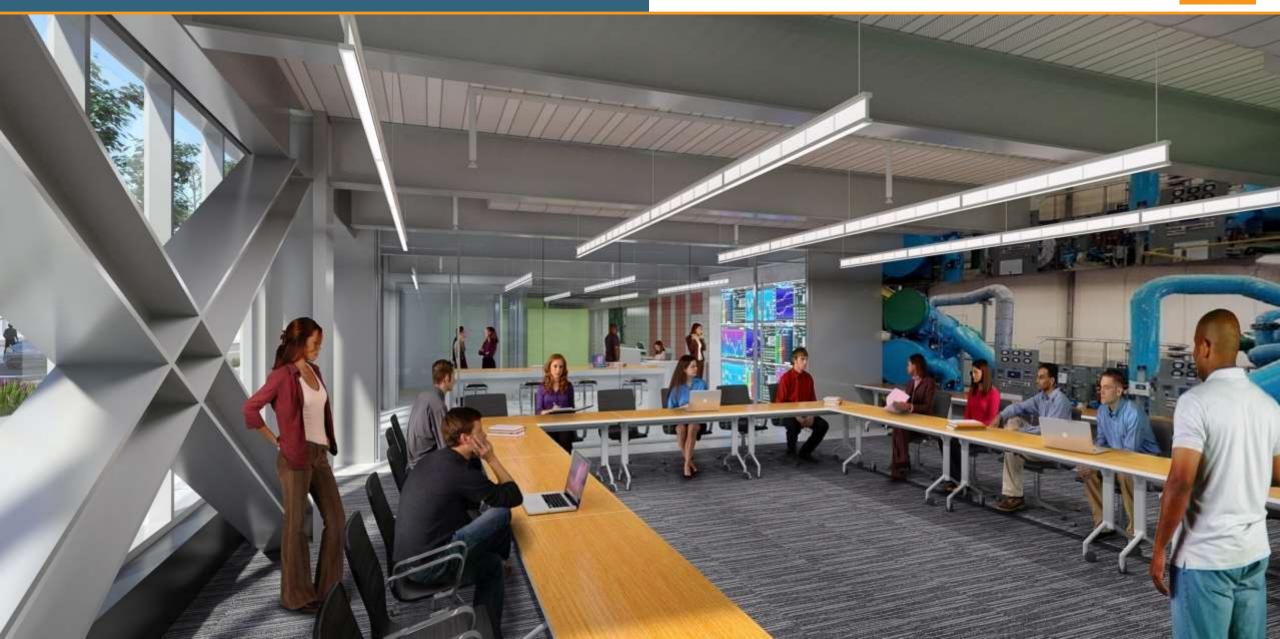






B: Architectural Overview Presentation Room

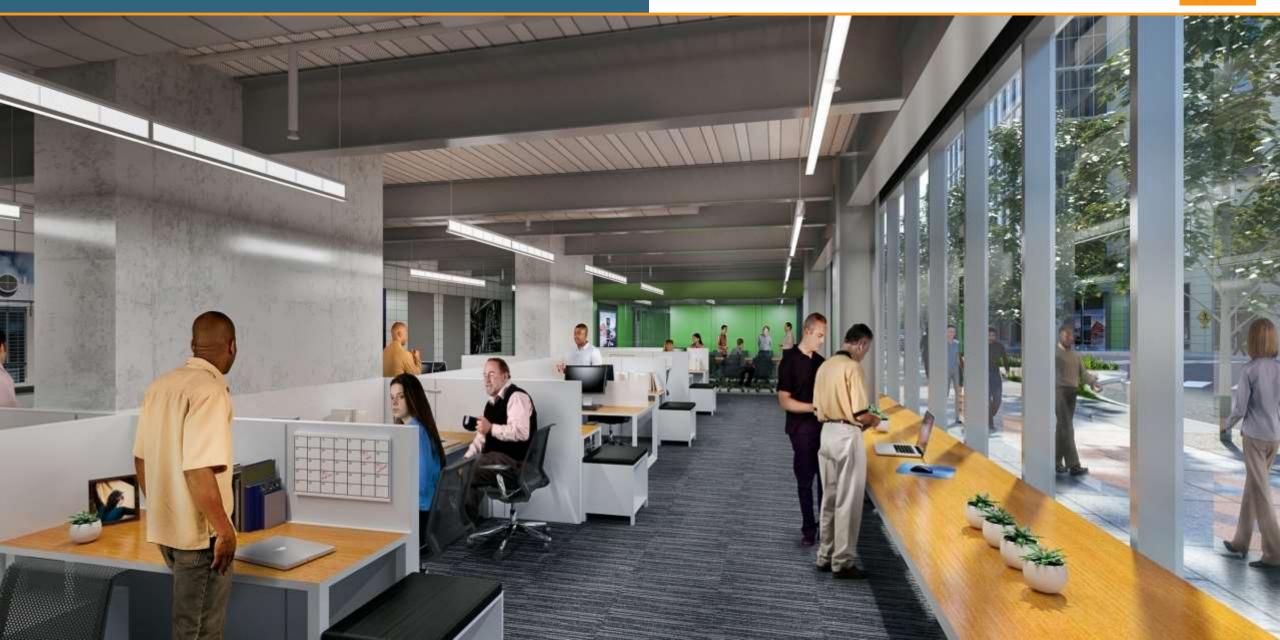




B: Architectural Overview Office Area



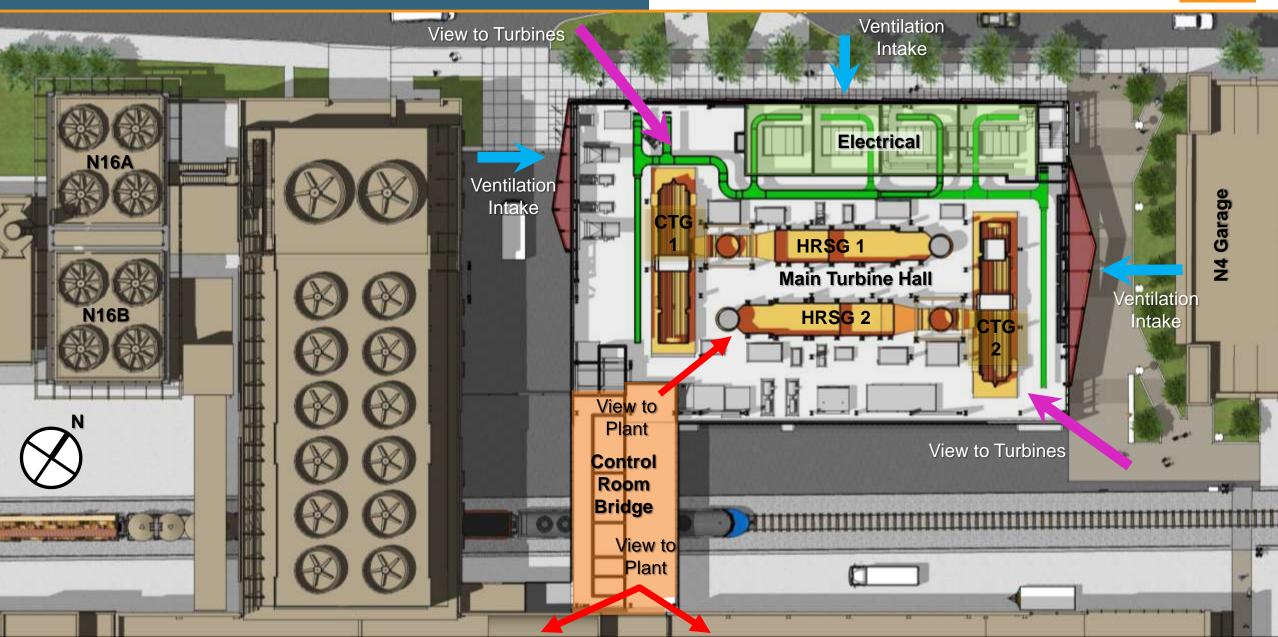
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B: Architectural Overview Plan at Main Turbine Hall (el. 30'-0")



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B: Architectural Overview Building Cross Section









42 Boiler Plant/ Chiller Hall

Railroad Crossing

42C Cogeneration Plant

Albany Street

Pfizer

B: Architectural Overview Control Room Bridge



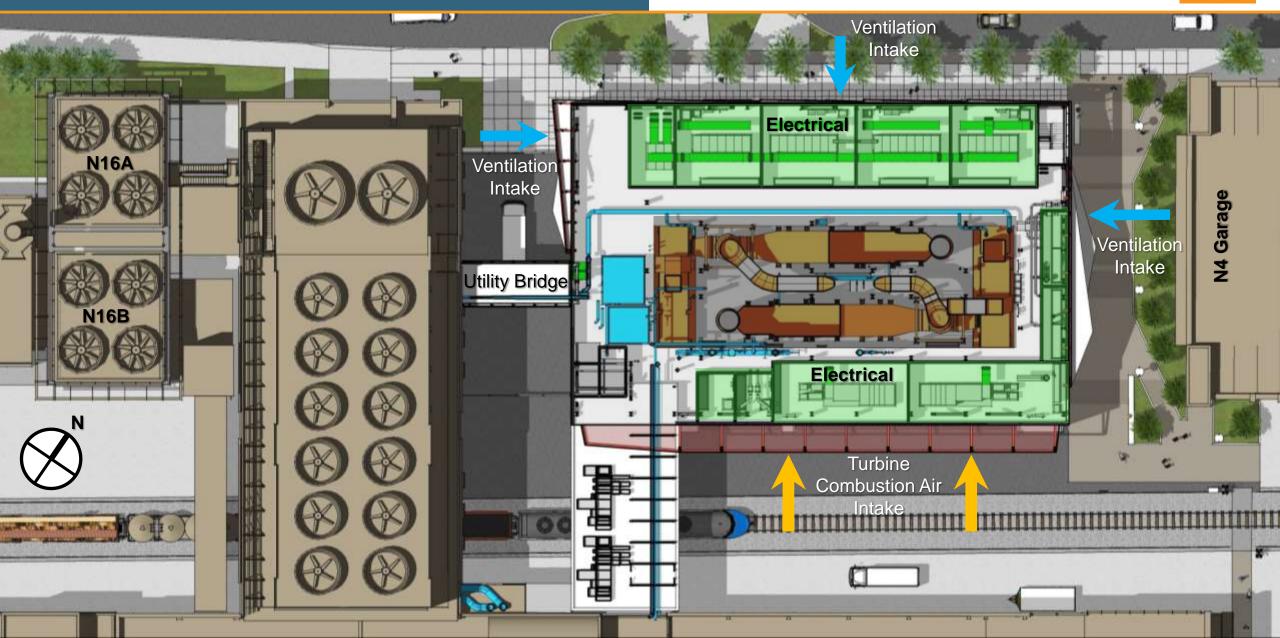




B: Architectural Overview Plan at Main Electrical Floor (el. 50'-6")



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B: Architectural Overview Building Cross Section



ELLENZWEIG

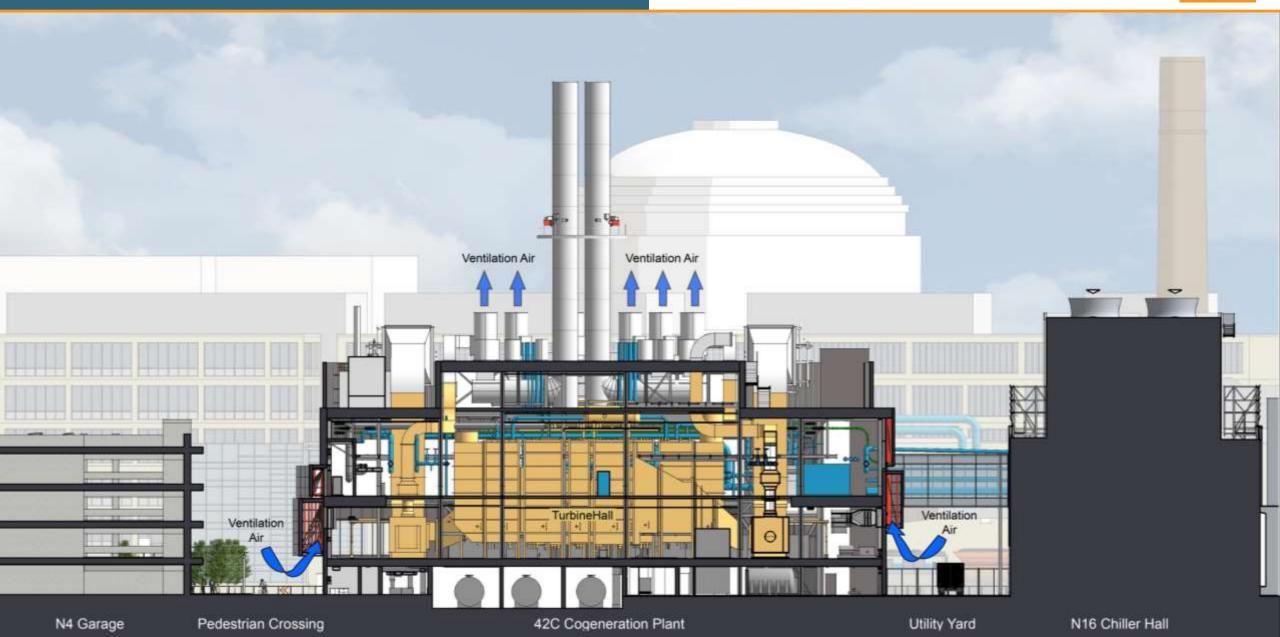


B: Architectural Overview Building Longitudinal Section

















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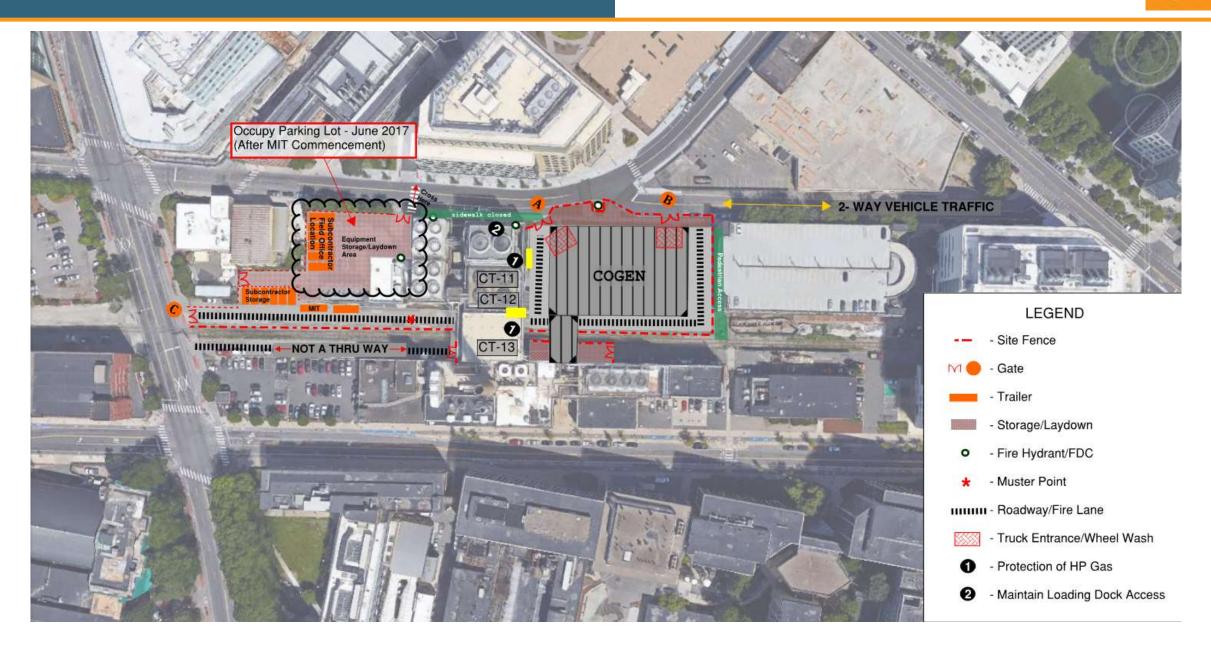




A: Site Challenges



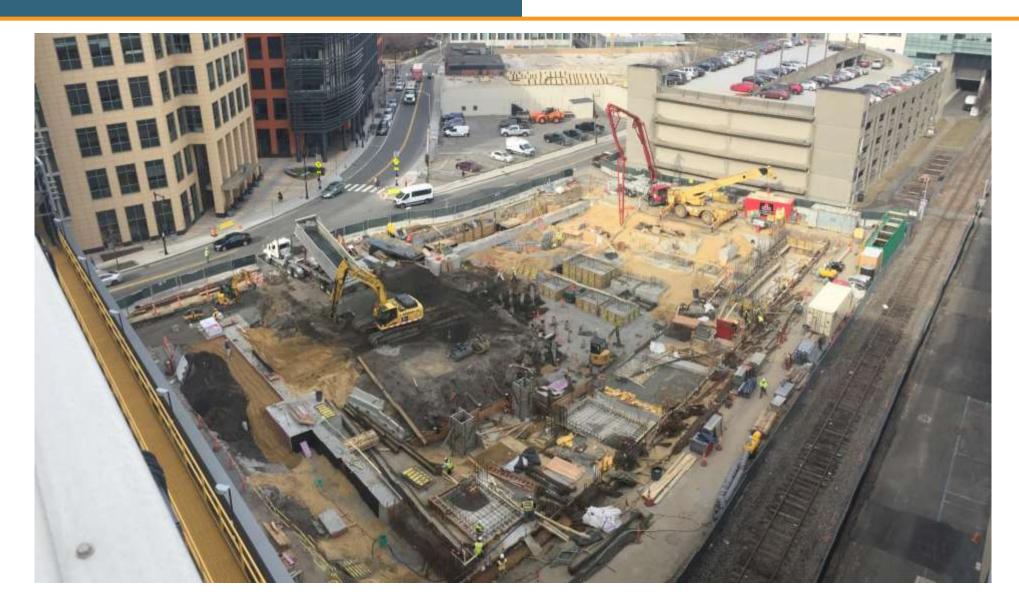




A: Site Challenges



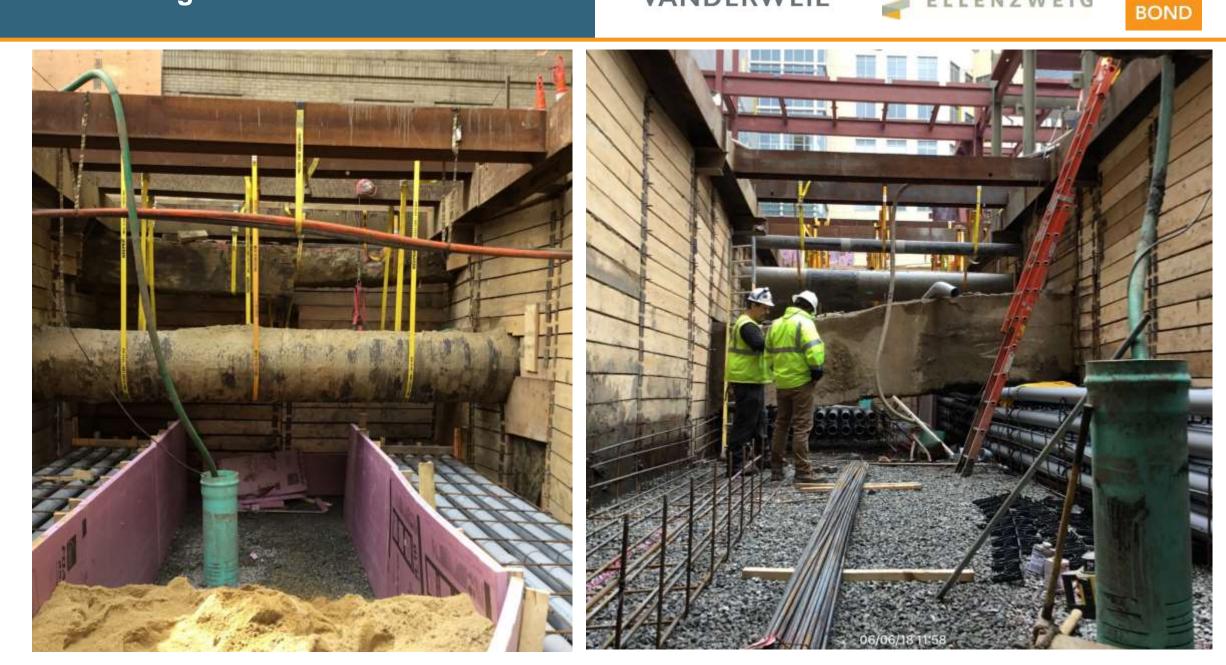




A: Site Challenges



ELLENZWEIG

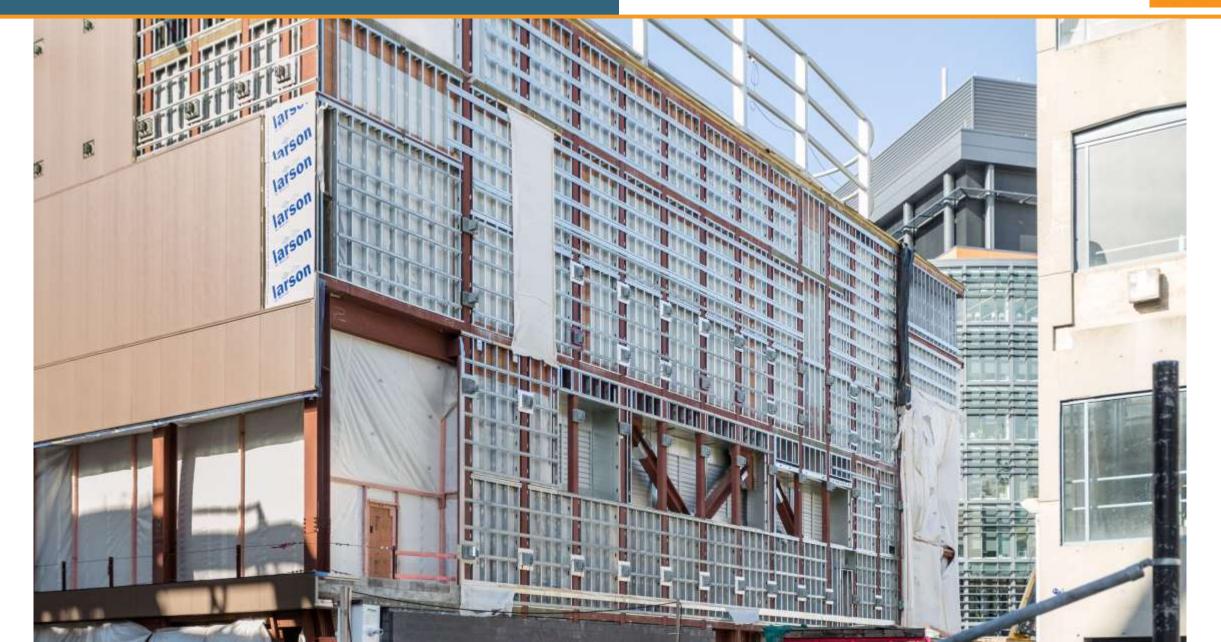


B: Façade Design Assist





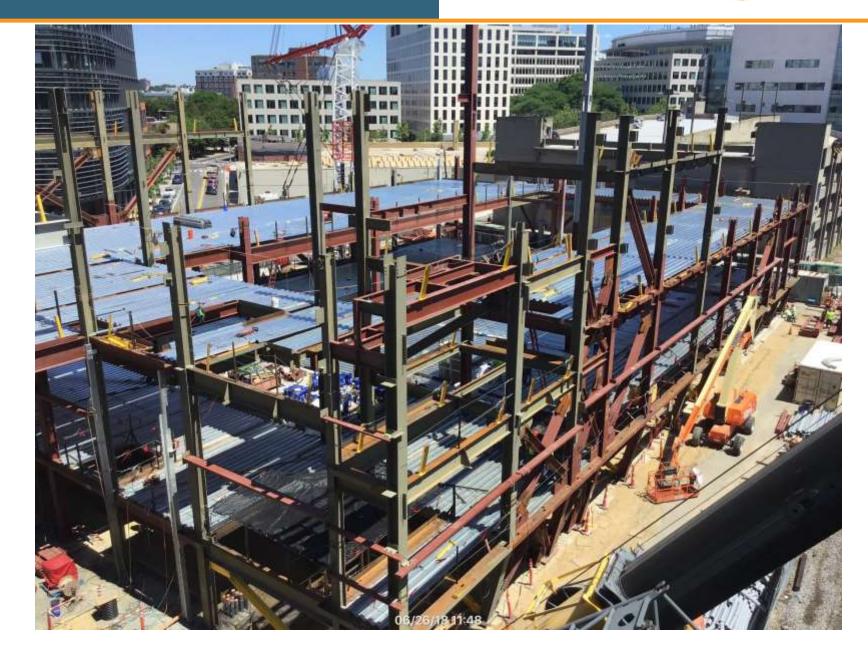




C: Steel Erection



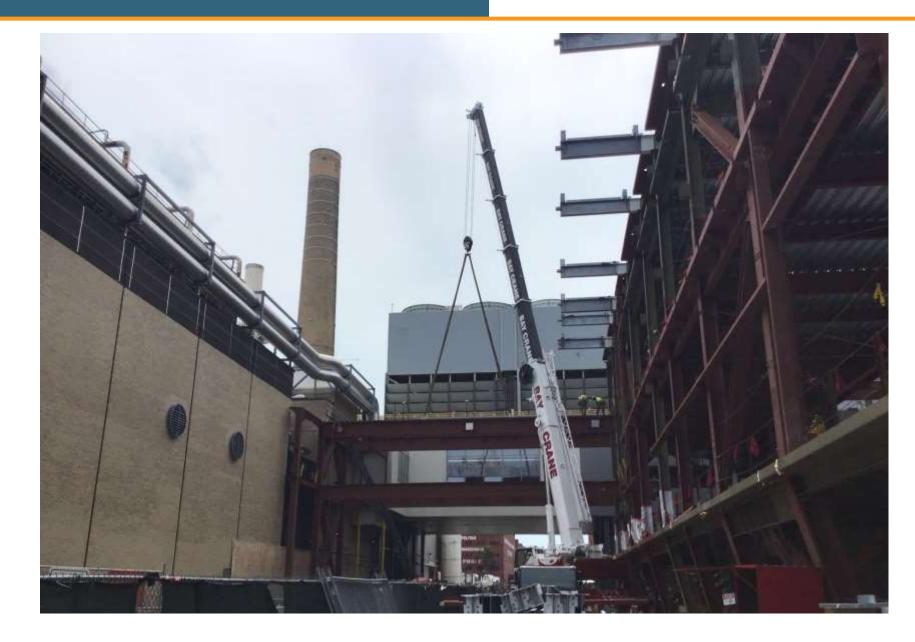
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C: Steel Erection







C: Steel Erection

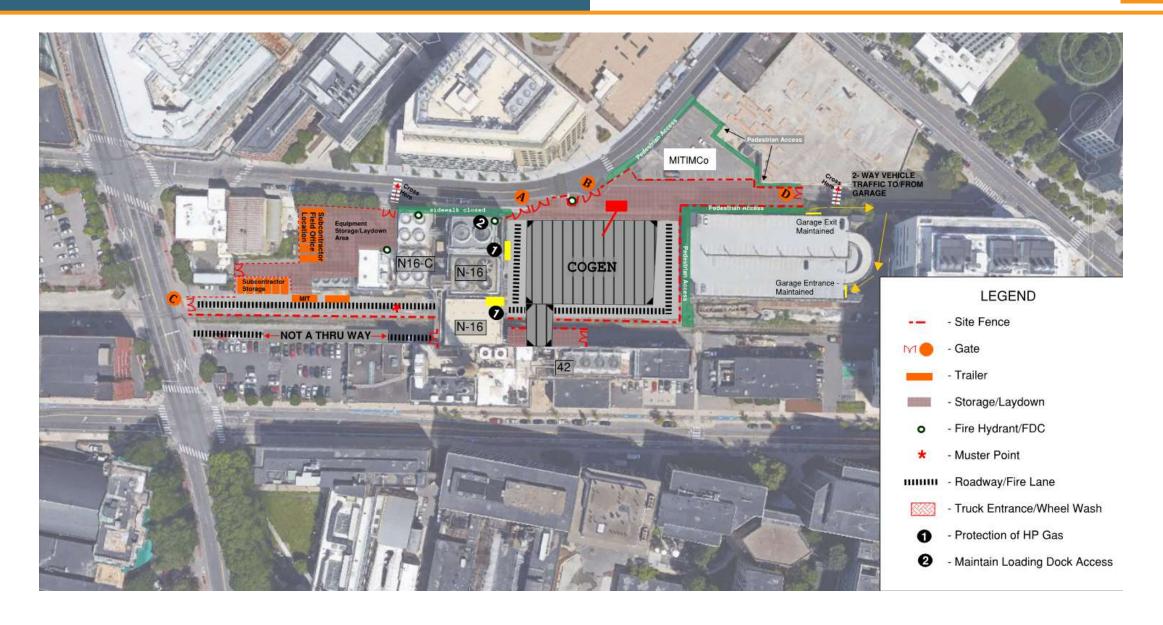




D: Power Island Rough Set



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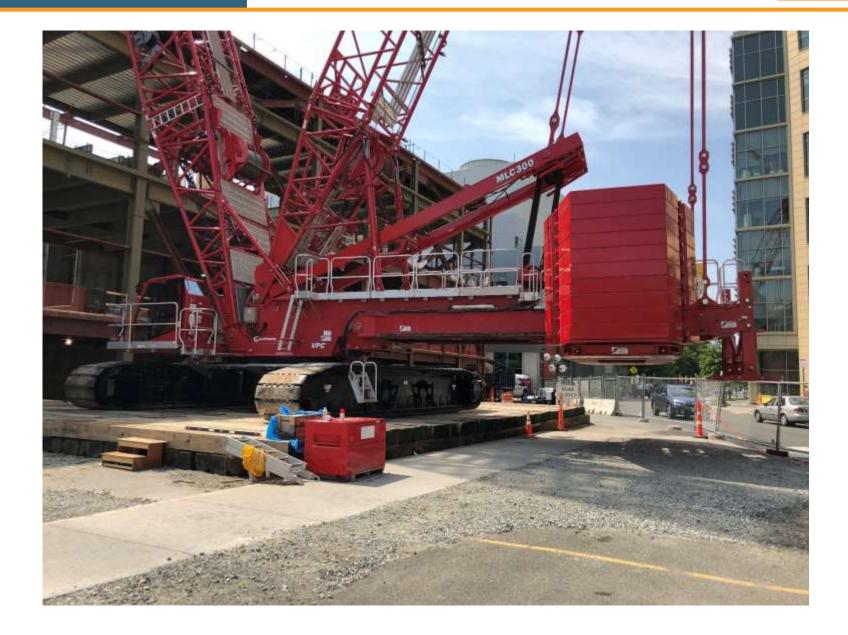


D: Power Island Rough Set



ELLENZWEIG





D: Power Island Rough Set



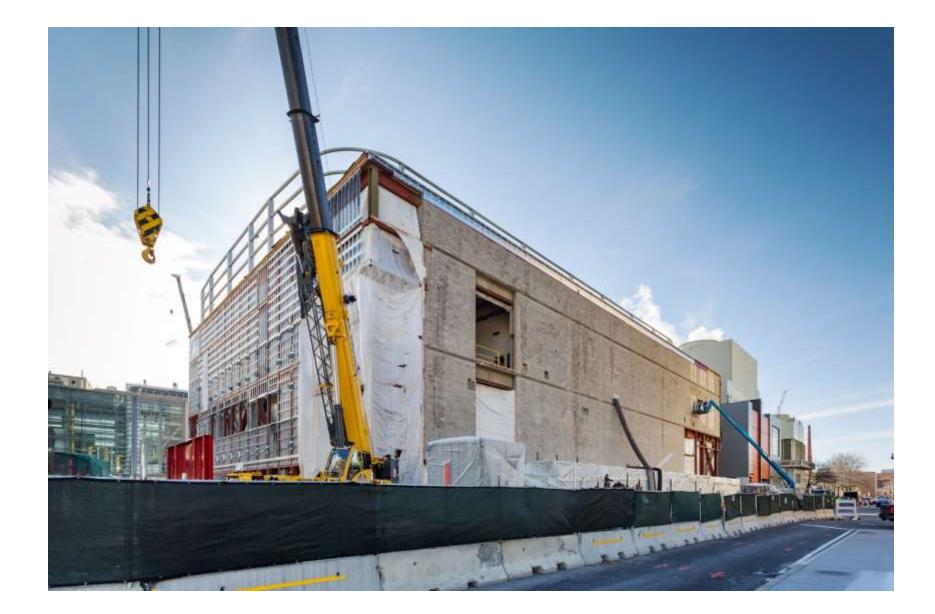




D: Next Steps and Schedule for Completion

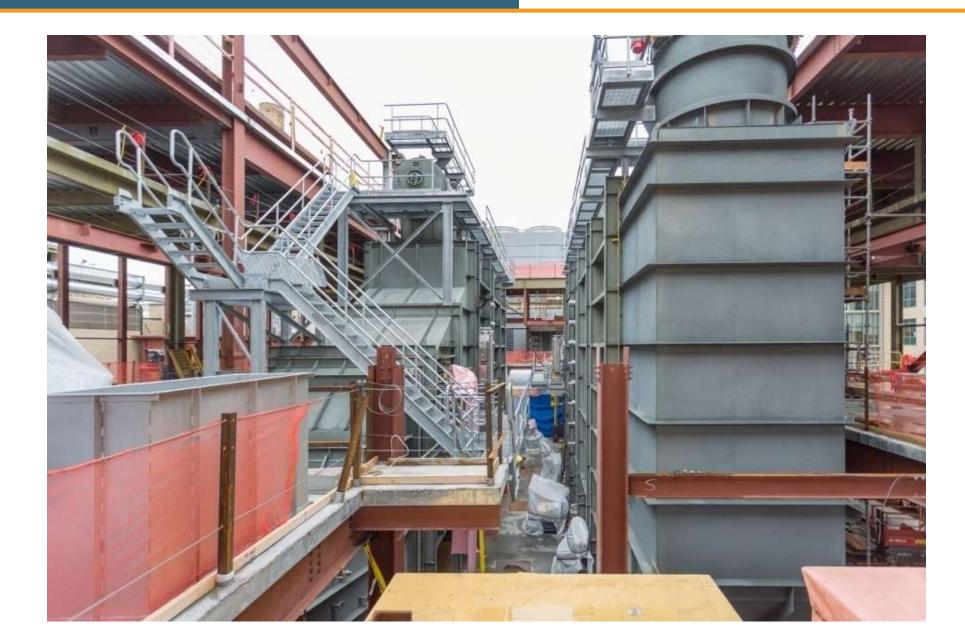






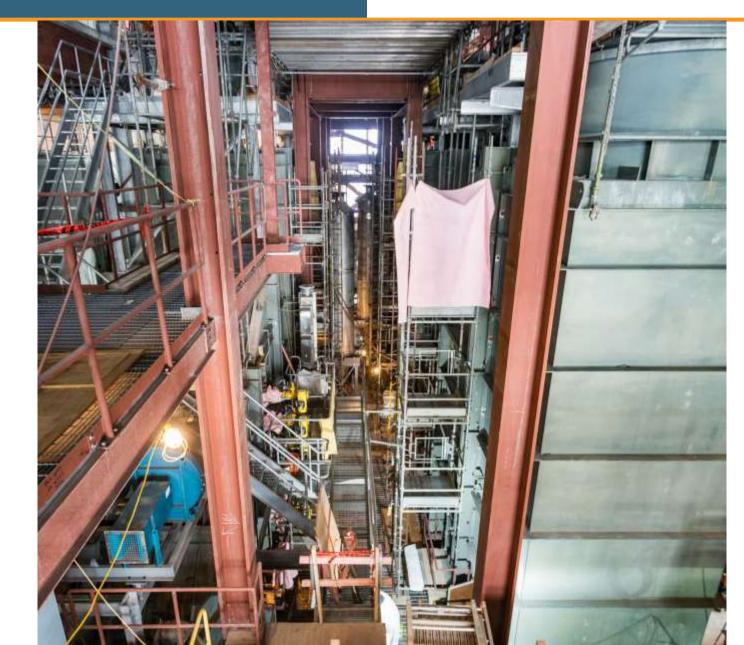






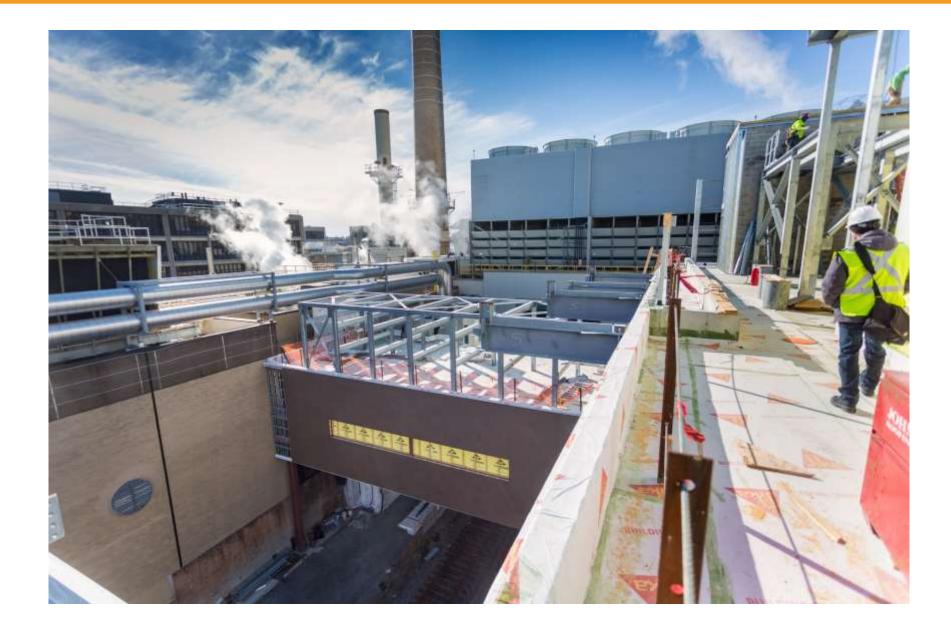


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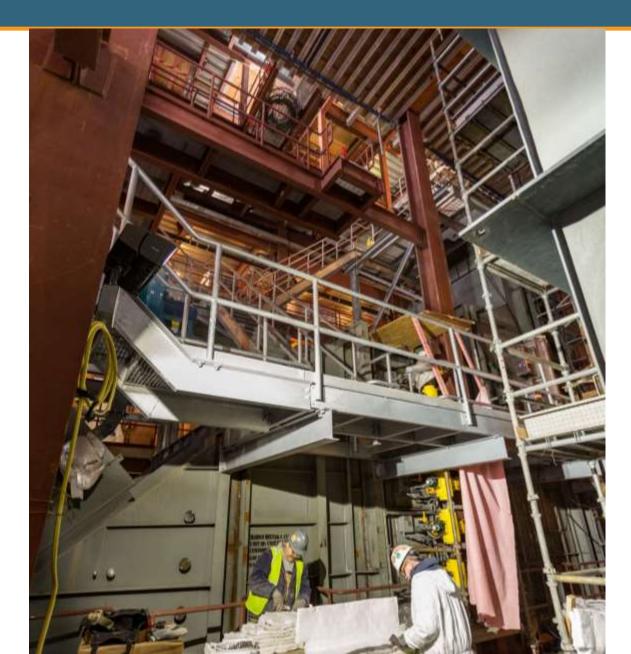


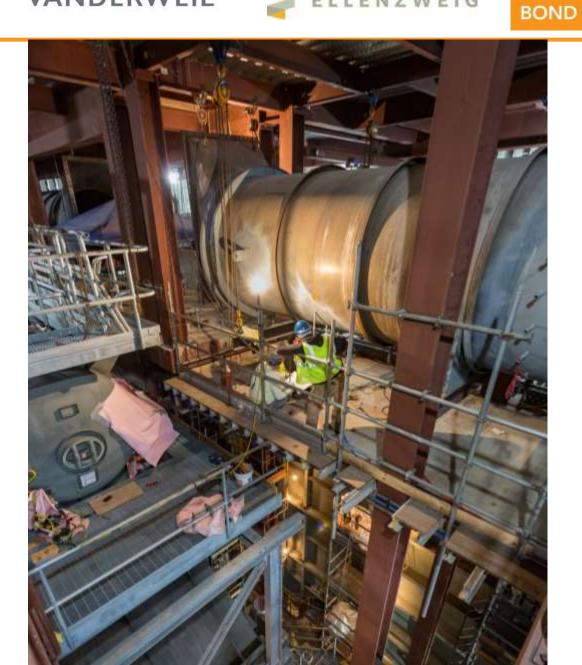






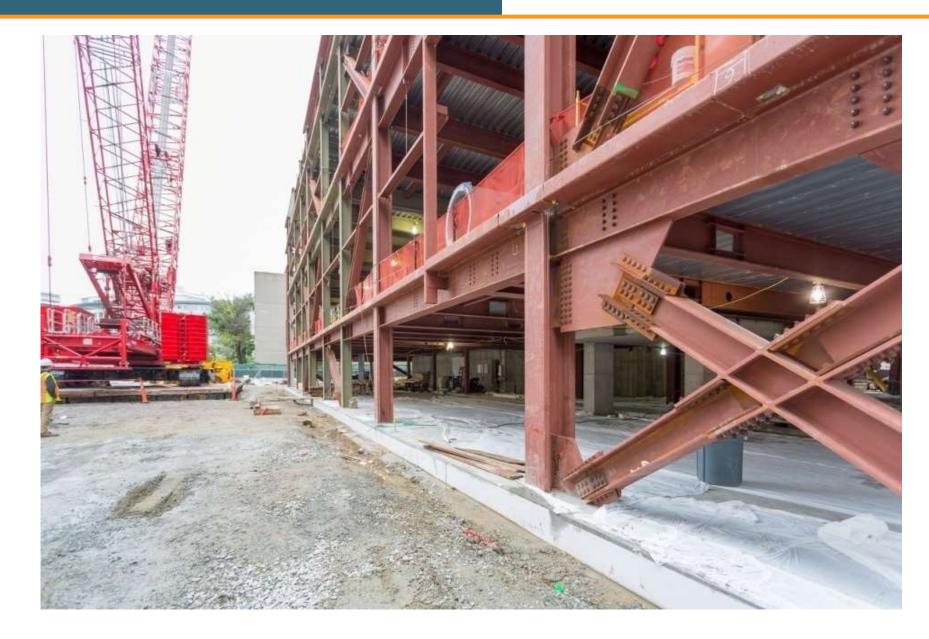
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ANY QUESTIONS? https://www.youtube.com/watch?v=J1 JhfGKb7j4&feature=youtu.be

BUILDING A BETTER SOCIETY THROUGH ENDURING RELATIONSHIPS



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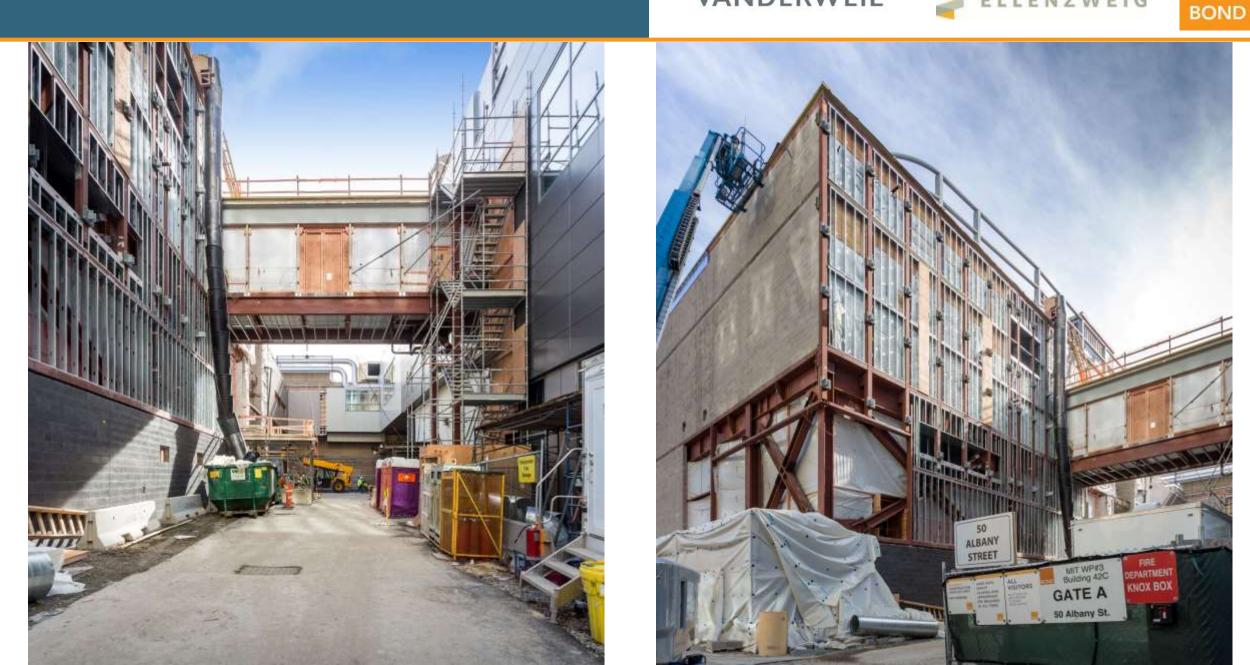
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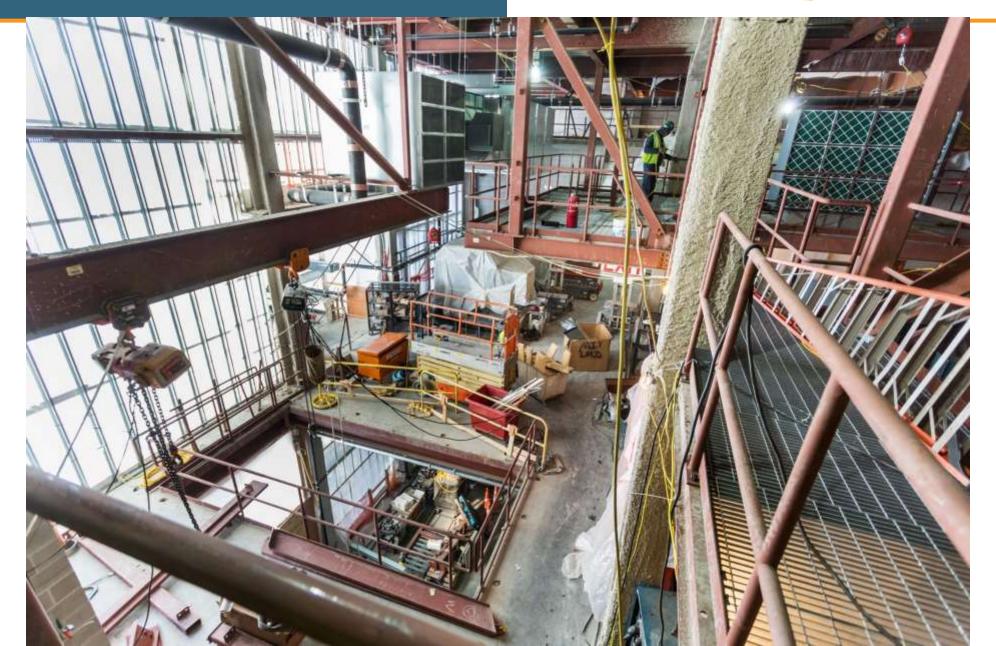








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