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The Importance of Facades in Revitalizing Historic Performing Arts Centers

Areta Pawlynsky, AIA, Senior Principal, Heintges

January 10, 2018





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Arena Stage at the Mead Center for American Theater

Client – Arena Stage

Design Architect – Bing Thom Architects

Facade Consultant – Heintges

Structural Engineer – Fast + Epp

General Contractor – Clark Construction

Curtain Wall Contractor – Icon Exterior Building Solutions, LP
& StructureCraft



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"It's a sweet, brilliantly outgoing design that ought to get built because it'll do wonders for both the theater and its rather isolated urban neighborhood." –Benjamin Forgey, Washington Post Critic



Photograph catalogued by George Mason University



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“It was important that we develop a transparent wall so you could see the old theaters.” —Michael Heeney, Bing Thom Architects



Photograph by Nic Lehoux

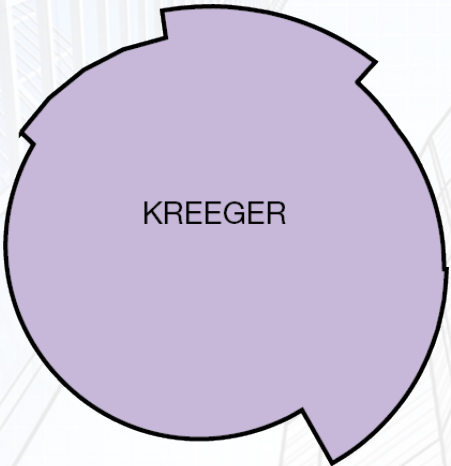


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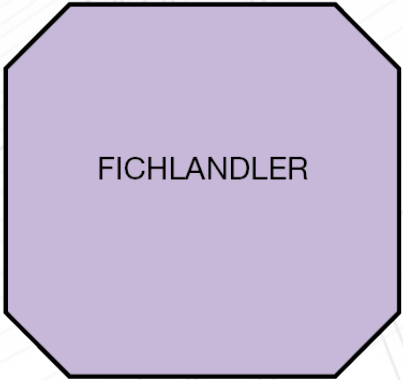
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1961



KREEGER



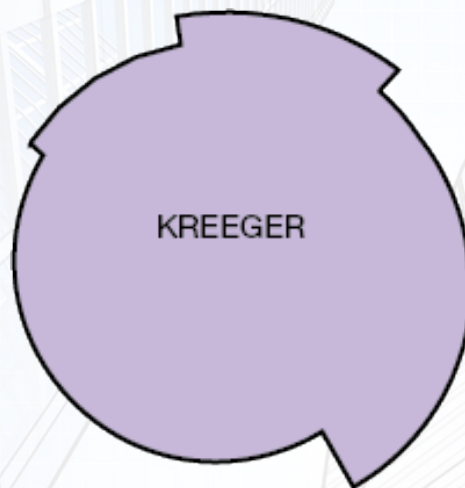
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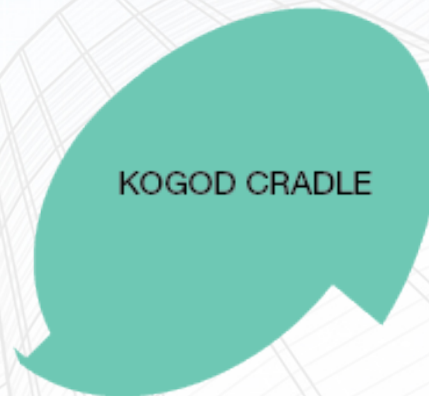
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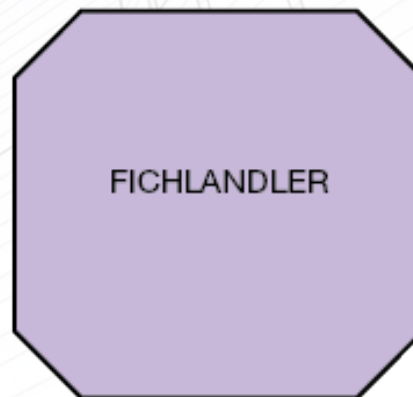
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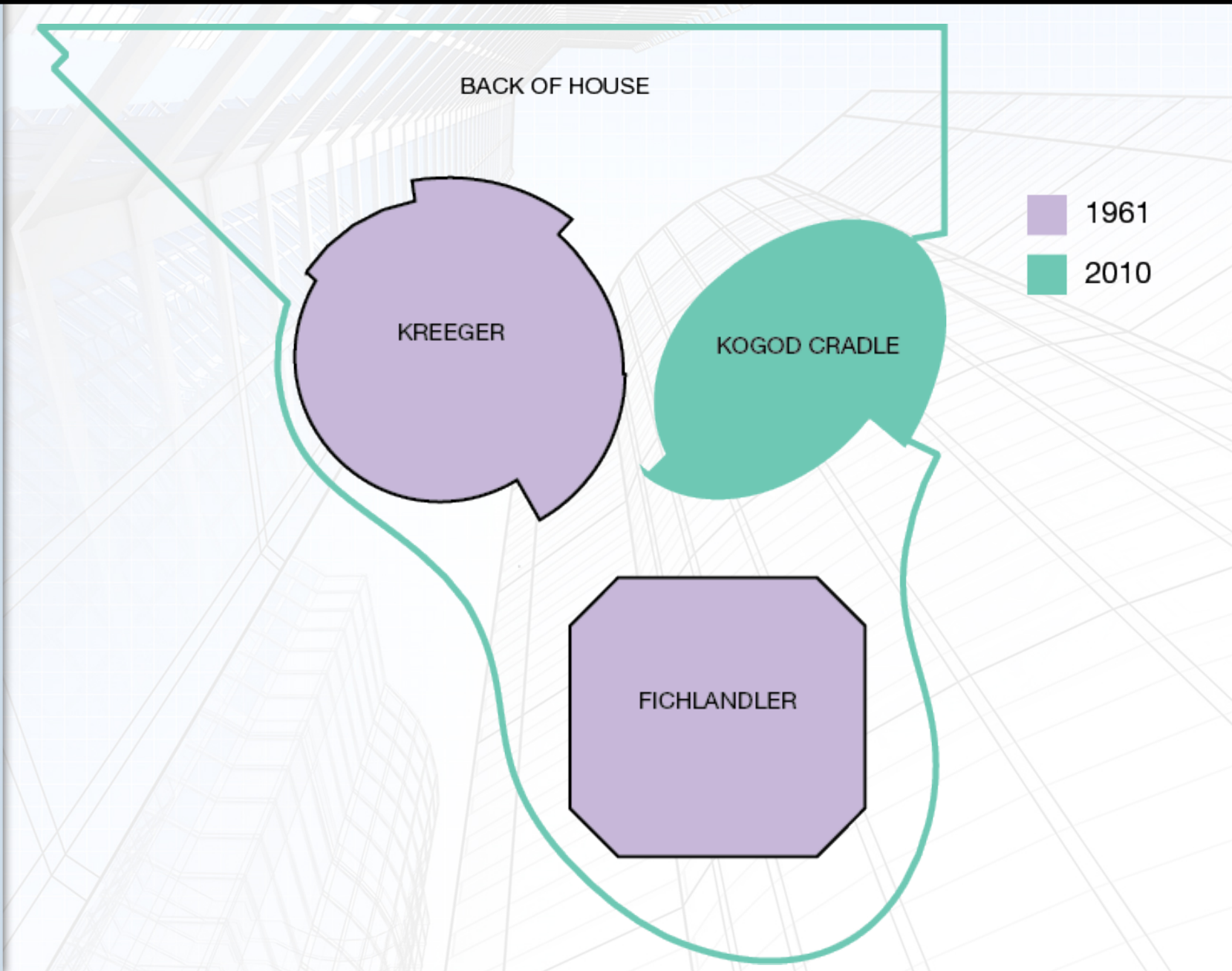
2010



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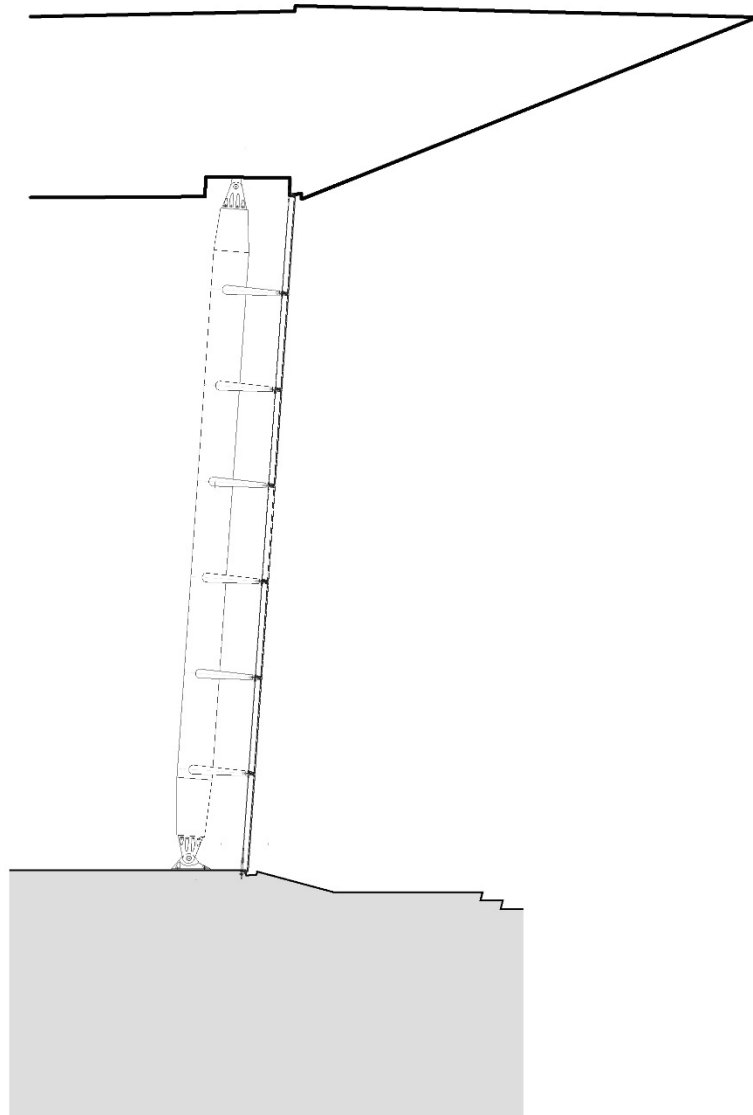
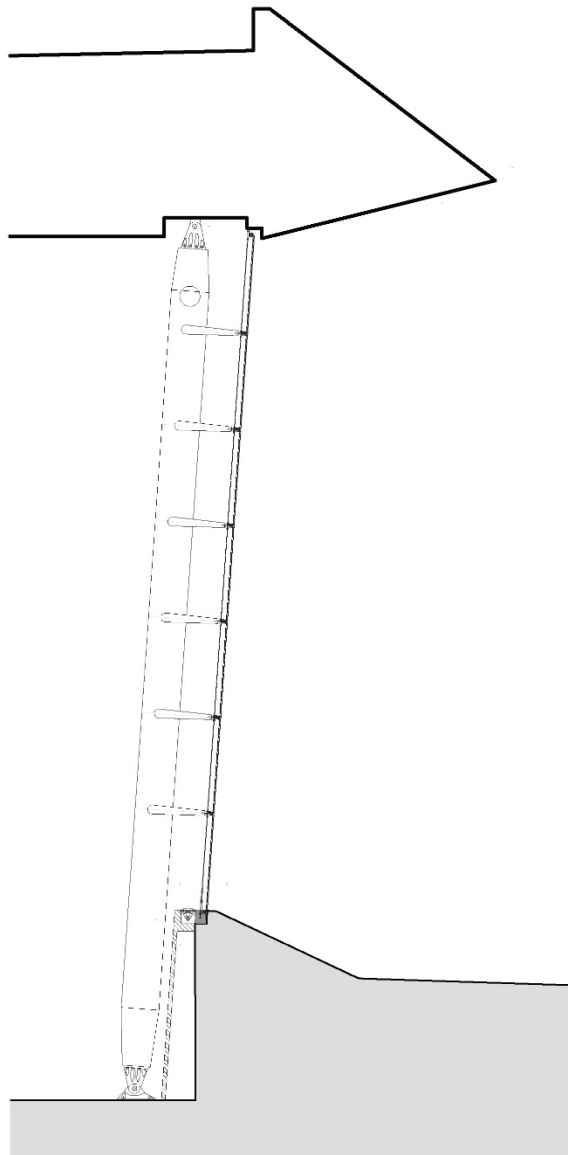




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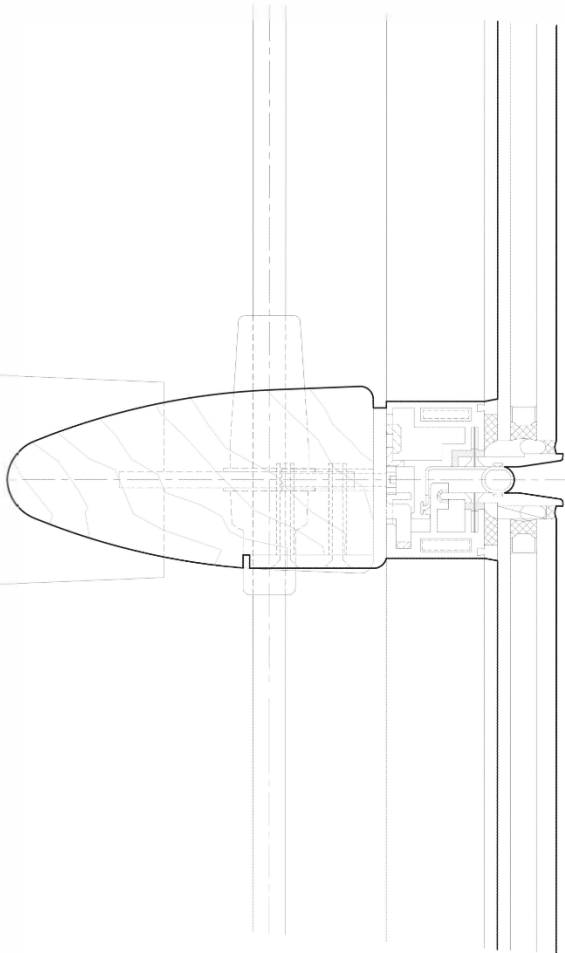




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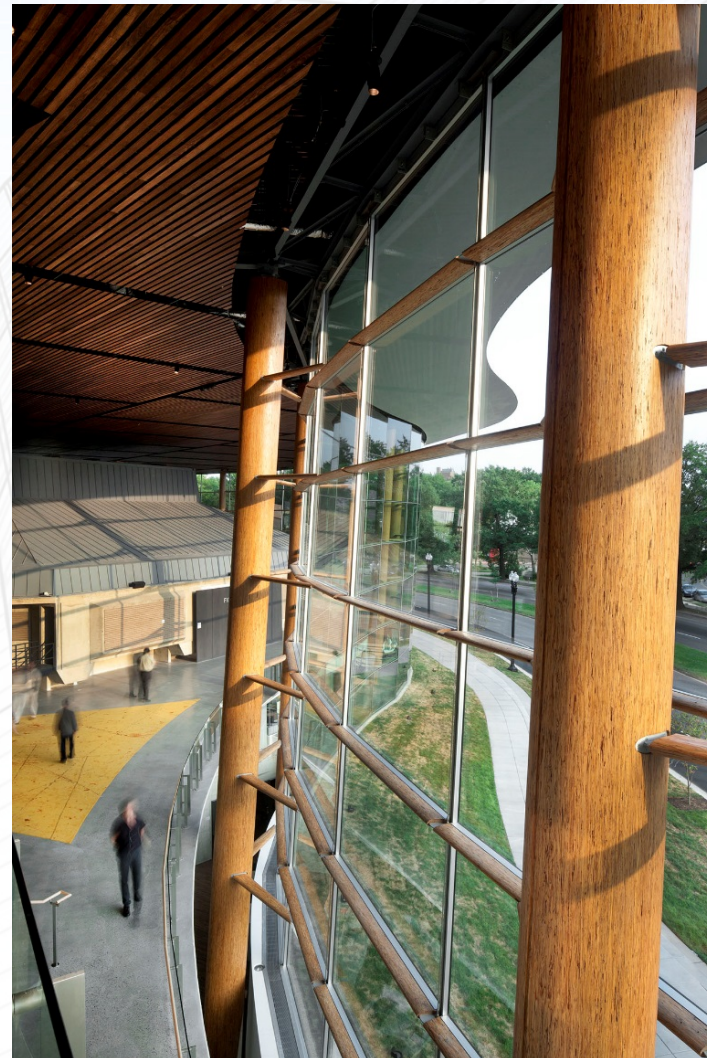
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Photograph by Heintges



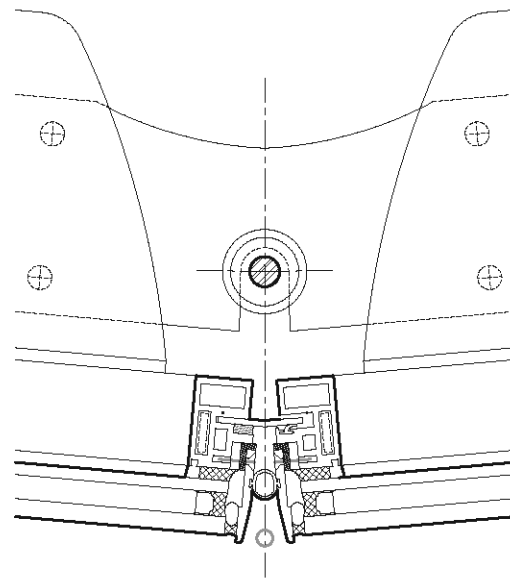
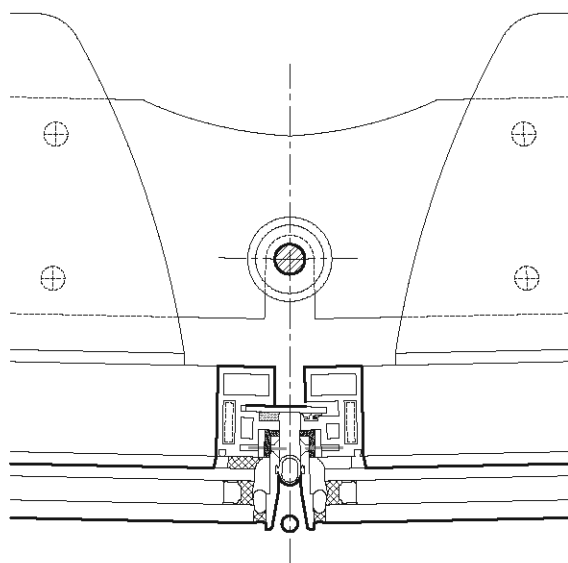
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The Wharf



Photographs by
Heintges





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“In many ways, architecture is in service of the arts. So Arena, for example, is designed to allow [artistic director] Molly Smith to do her best work and inspire her.” -Bing Thom



Photograph by Nic Lehoux



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Juilliard / Alice Tully Hall Lincoln Center

Client – Lincoln Center

Design Architect – Diller Scofidio + Renfro

Architect of Record – FXFOWLE

Structural Engineer – Arup

Facade Consultant – Heintges

Construction Manager – Turner Construction Company

Lobby Glazing Contractor – W&W Glass, LLC with

Pilkington's Glaswal Systems Limited



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"Like a travertine fortress, the building sat back from the street, with a remote, second-story main entrance accessible by way of a monumental stair on Broadway to the east or from the Lincoln Center plaza on the south via a wide bridge that overshadowed West 65th Street." -Linda C. Lentz, Architectural Record



Photograph by Sandor Acs



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Photograph by Iwan Baan



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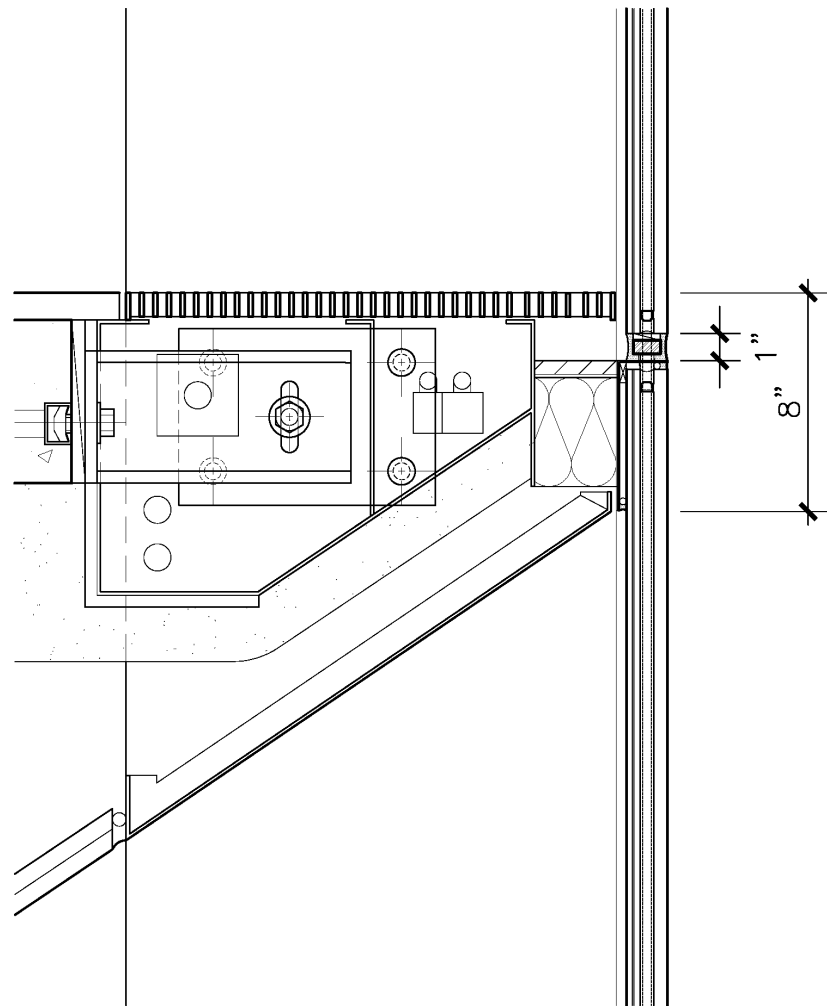
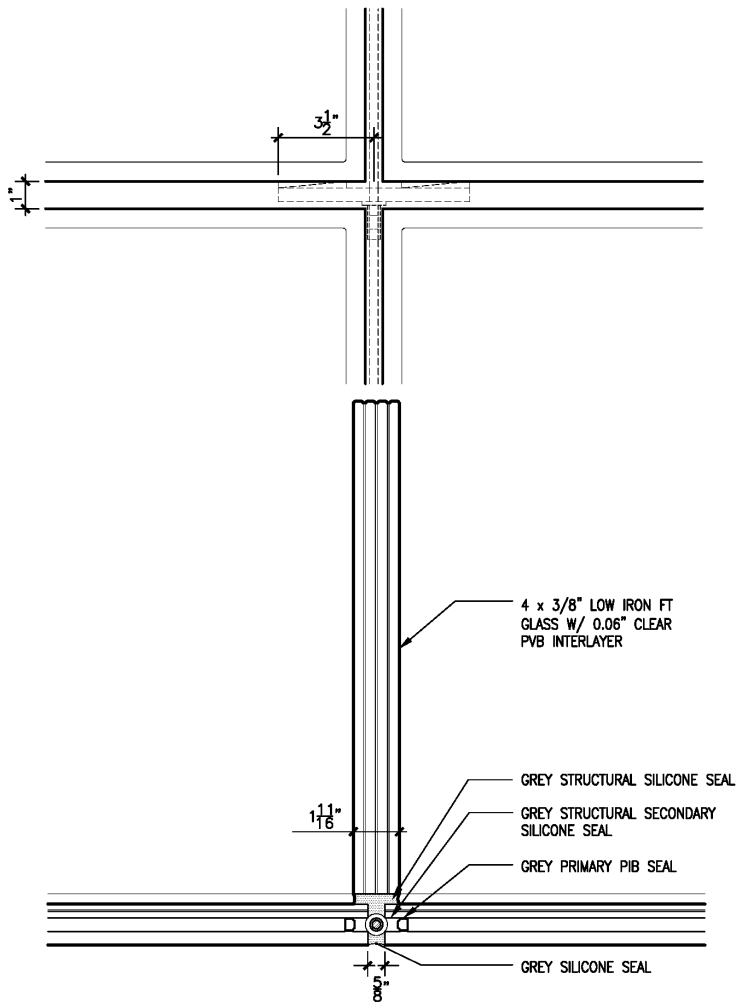
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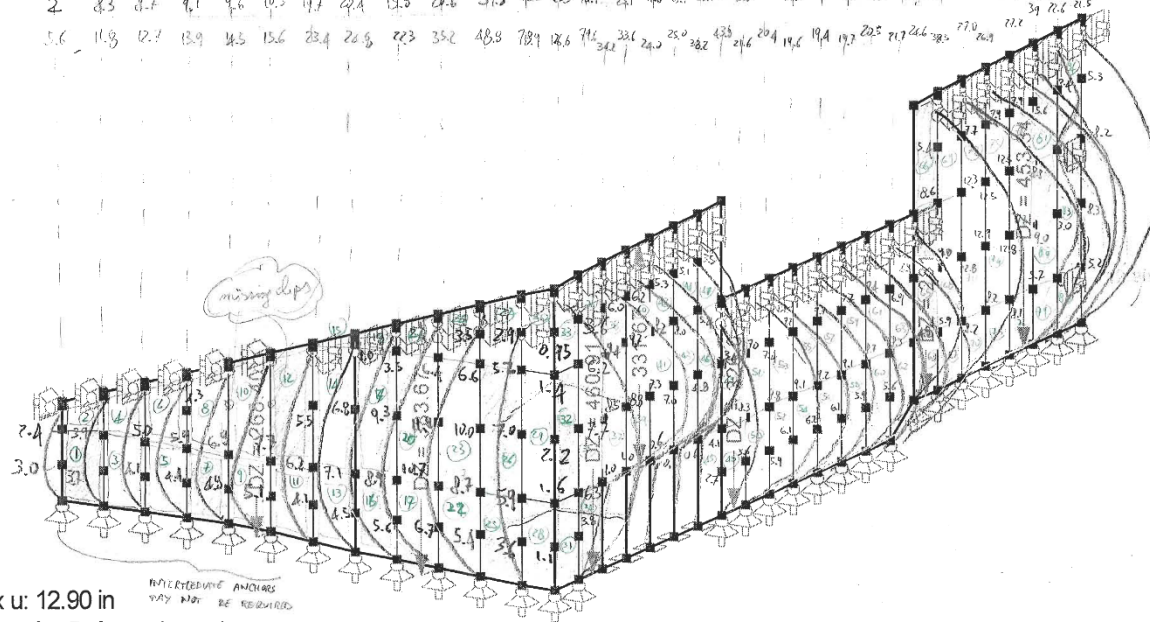
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DEFLECTION - FIXED

T_{PR} [K_{ms}]

 $T_{max} [Kips]$

2 83 8.7 4.1 9.6 10.3 11.7 20.4 15.8 24.6 39.5 74.3 255 24.7 287 196 18.9 387 416 152 143 140 140 153 147 242 332 14.7 17.5 18.3 32.8 0 14.8 31 16.6 21.5



Max u: 12.90 in

Factor for Deformations: 15.748

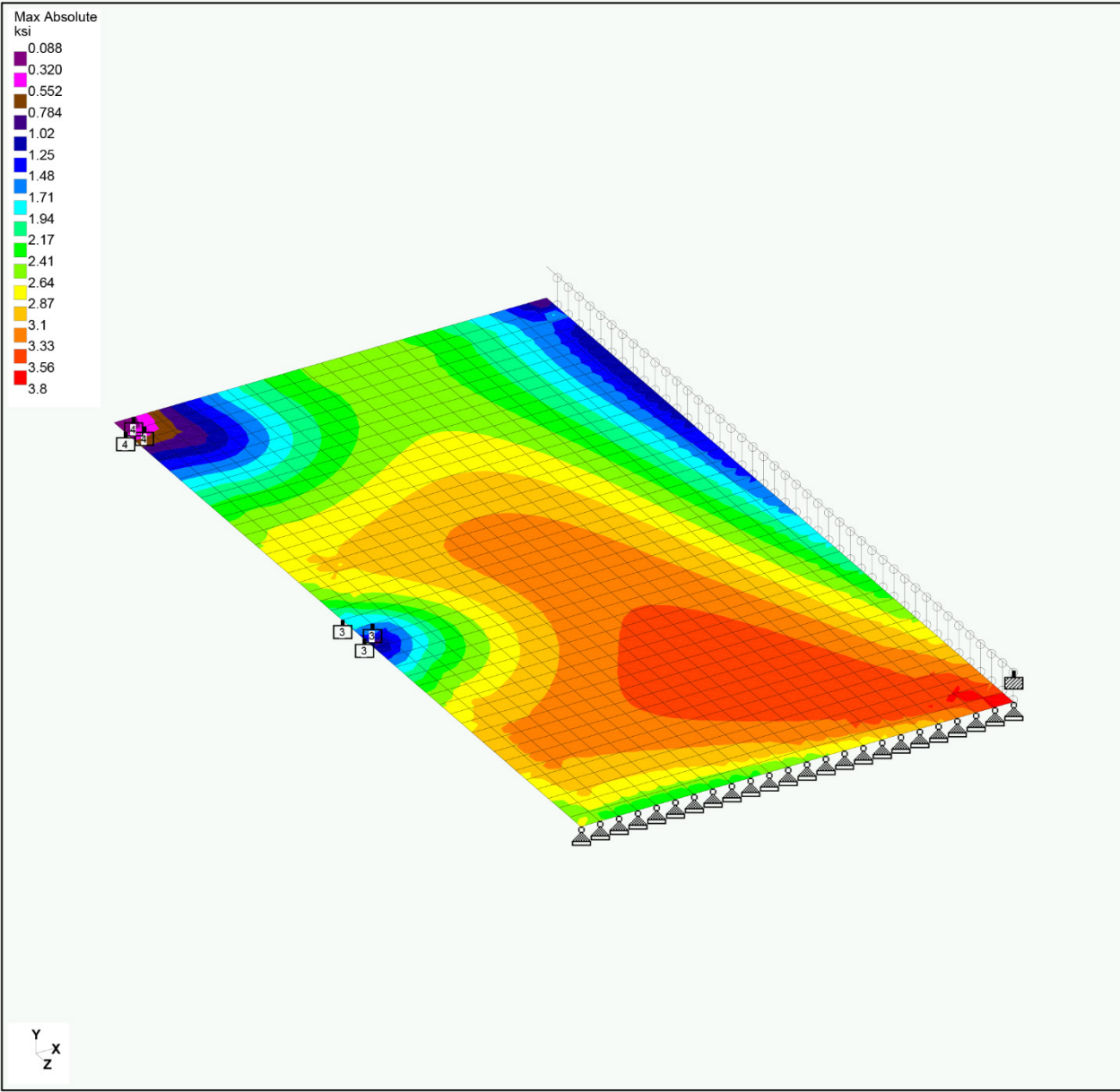
$$\tau_{\text{CABLE}} = 16 \cdot 10^6 \text{ ps}$$
$$K_{\text{spring}} = 26900 \frac{\text{lb}}{\text{in}}$$



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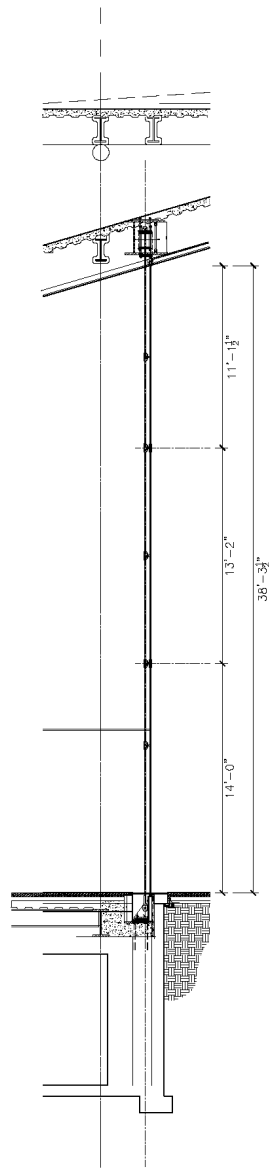
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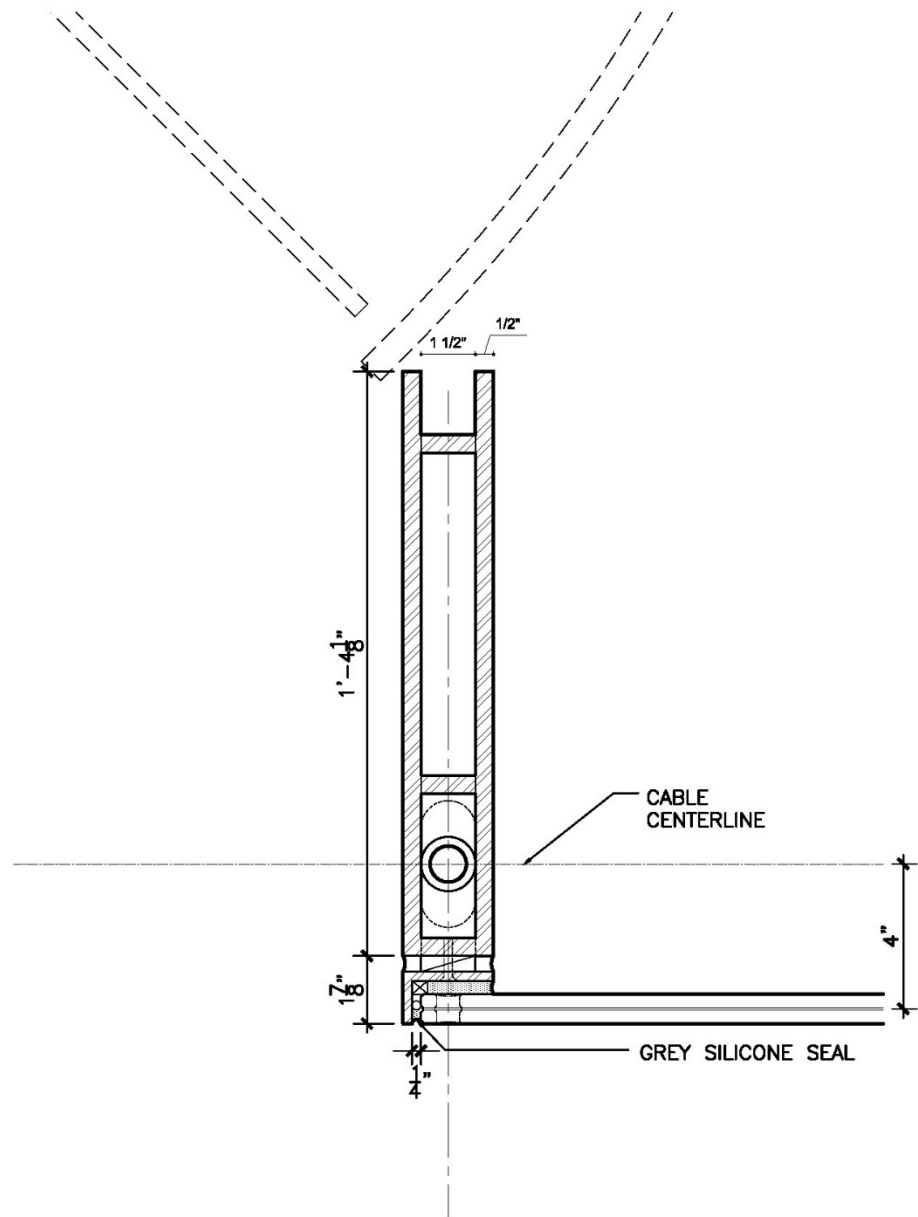




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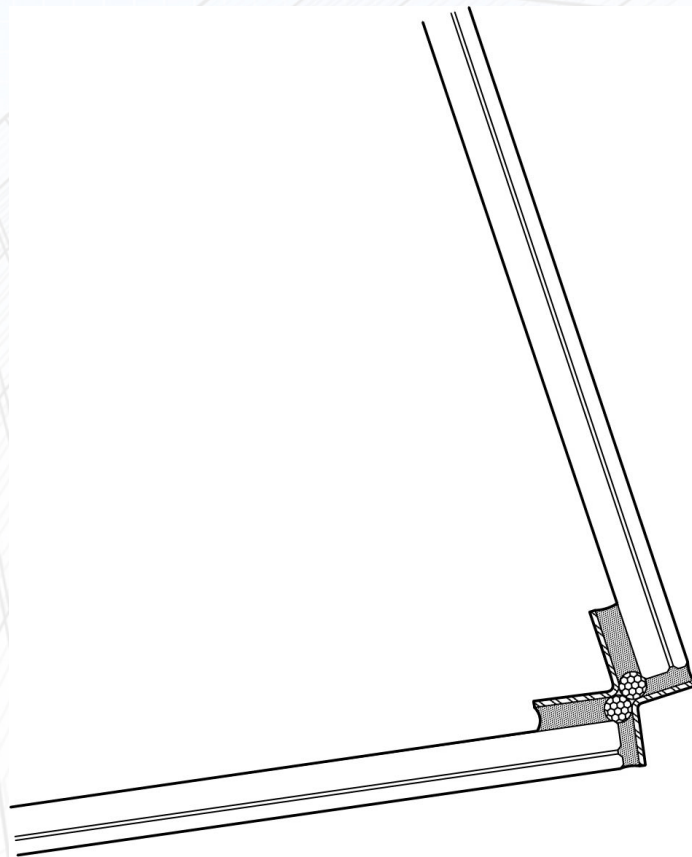
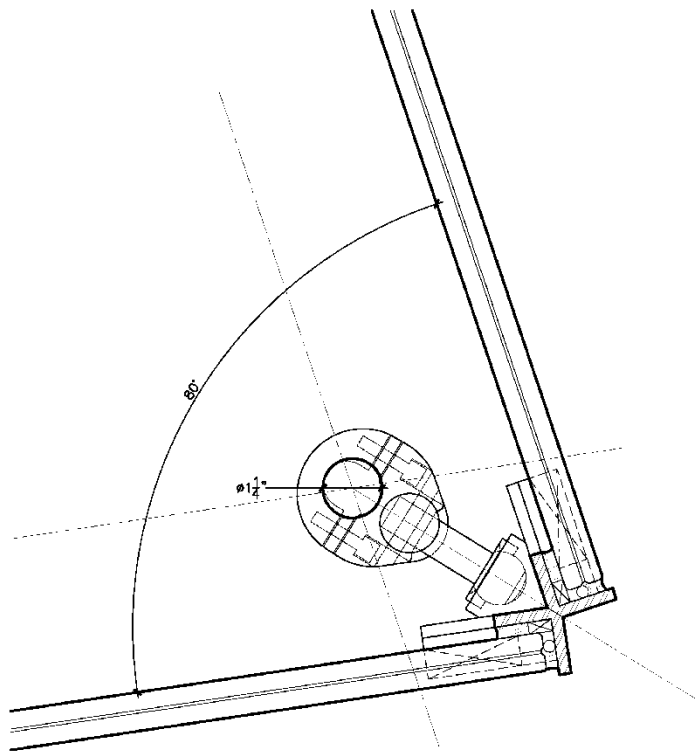




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“Perhaps I have an affection for ugly things, but Lincoln Center is a real part of New York City iconography. It is the kind of place that architects love to hate, but we wanted to give it a second chance.” -Elizabeth Diller



Photograph by Iwan Baan