PERKINS + WILL

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CES

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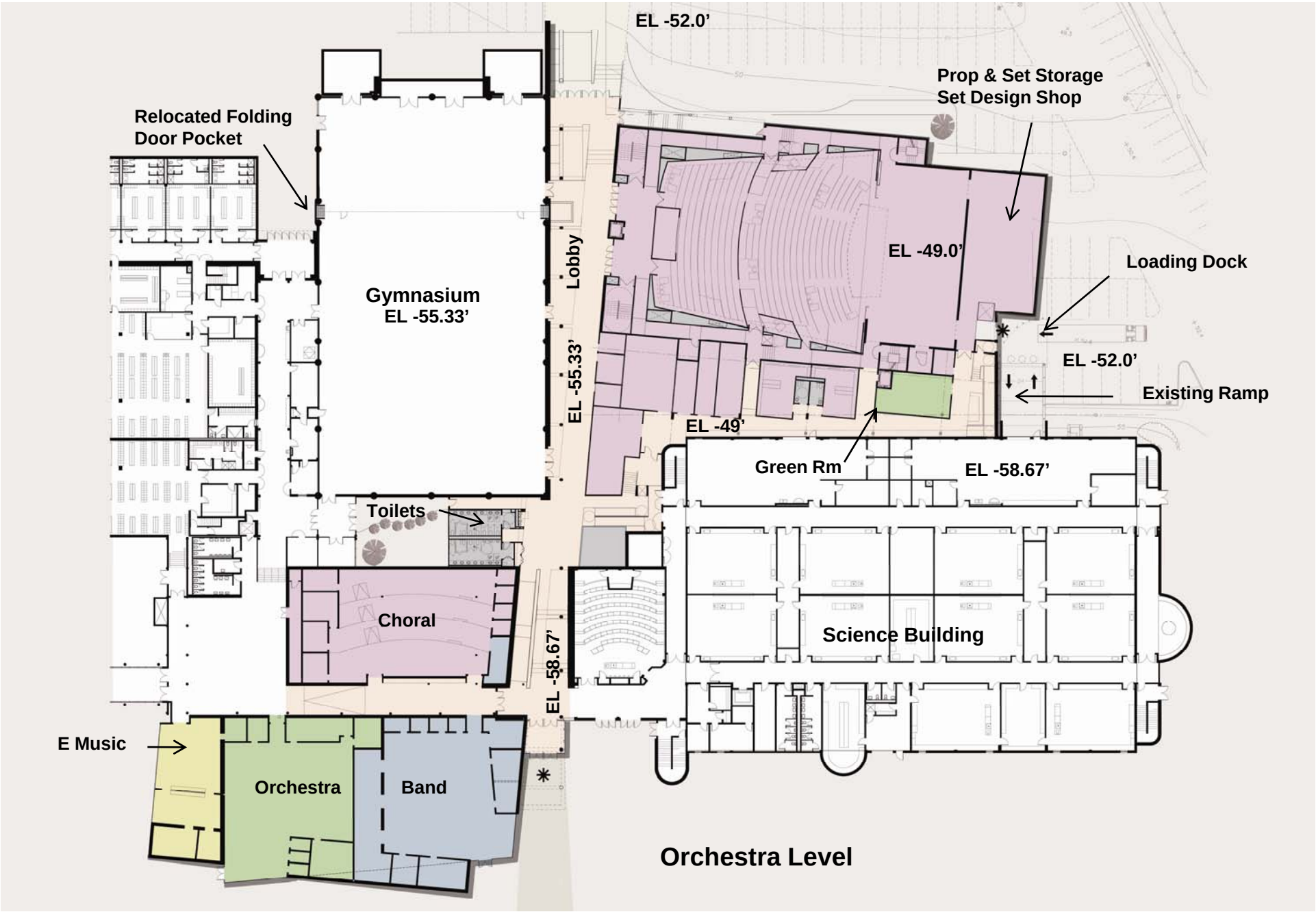

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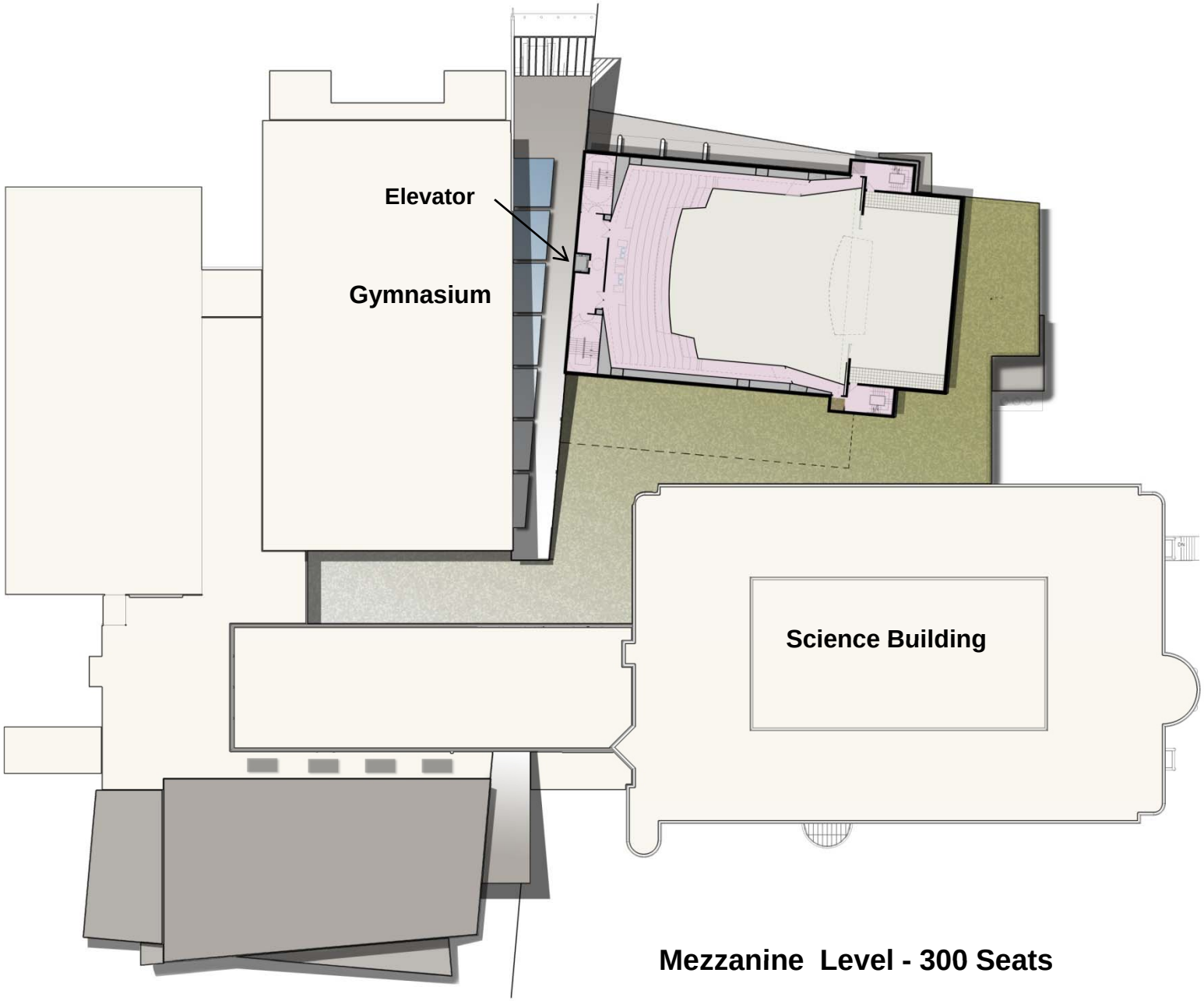

Mezzanine Level - 300 Seats

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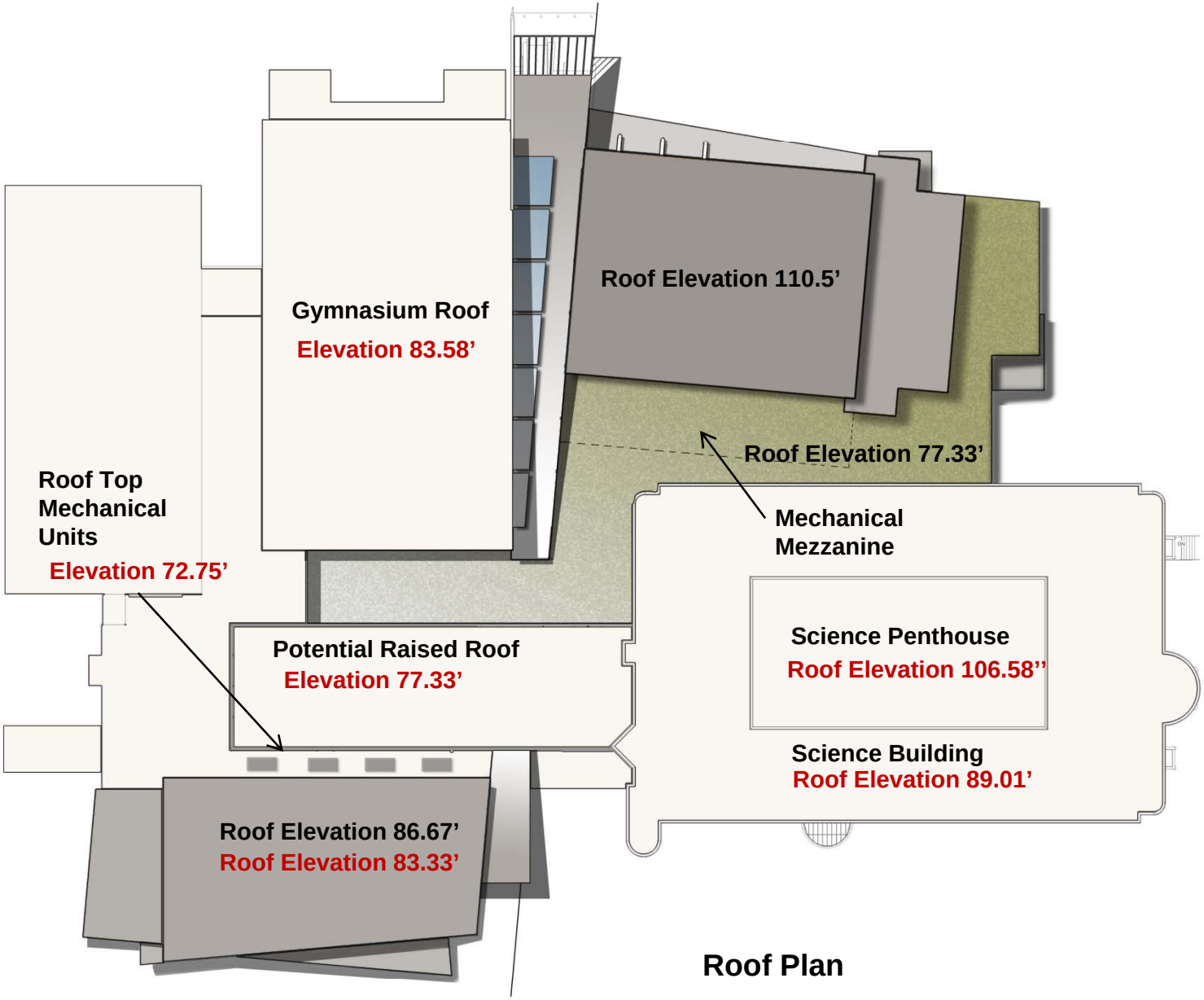

Roof Plan

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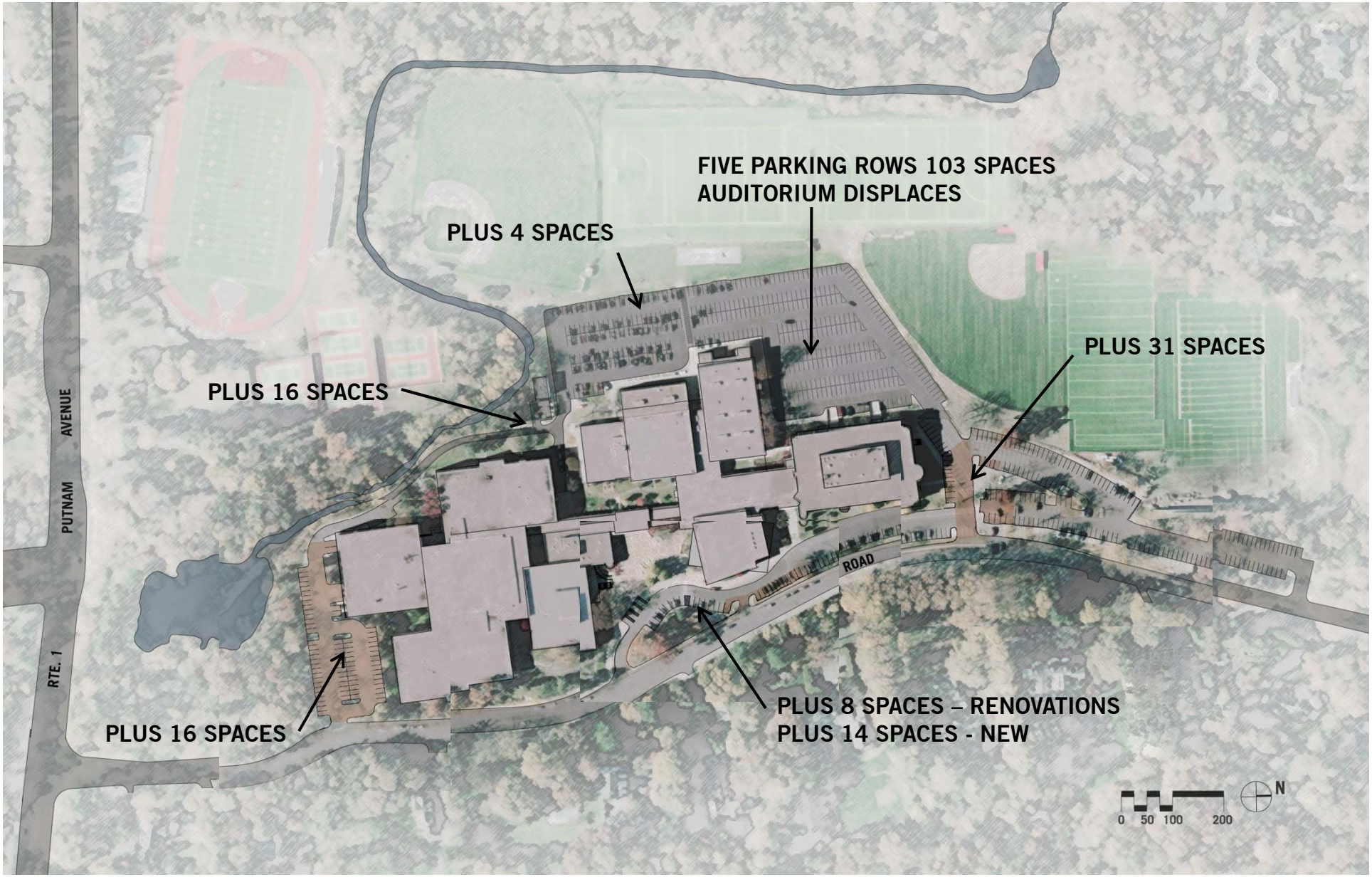
Parking Neutral Approach



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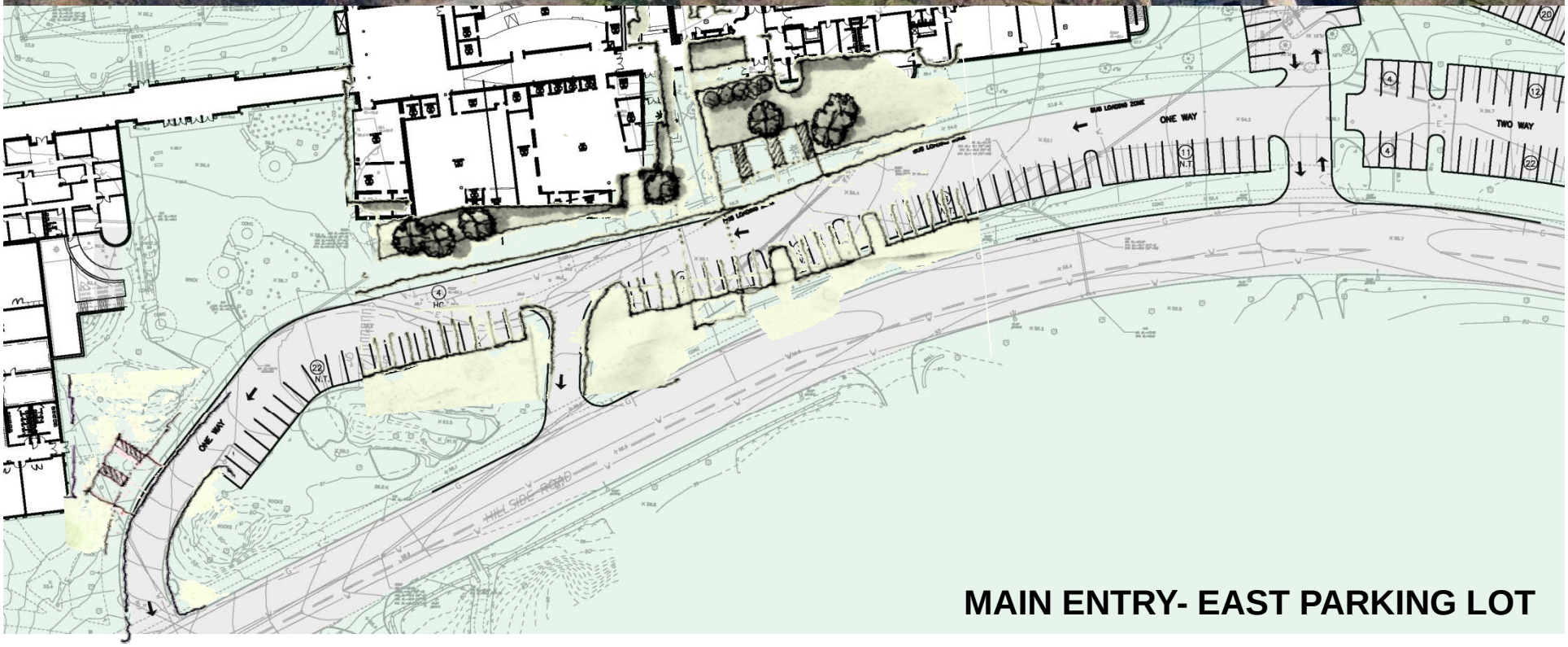

MAIN ENTRY- EAST PARKING LOT

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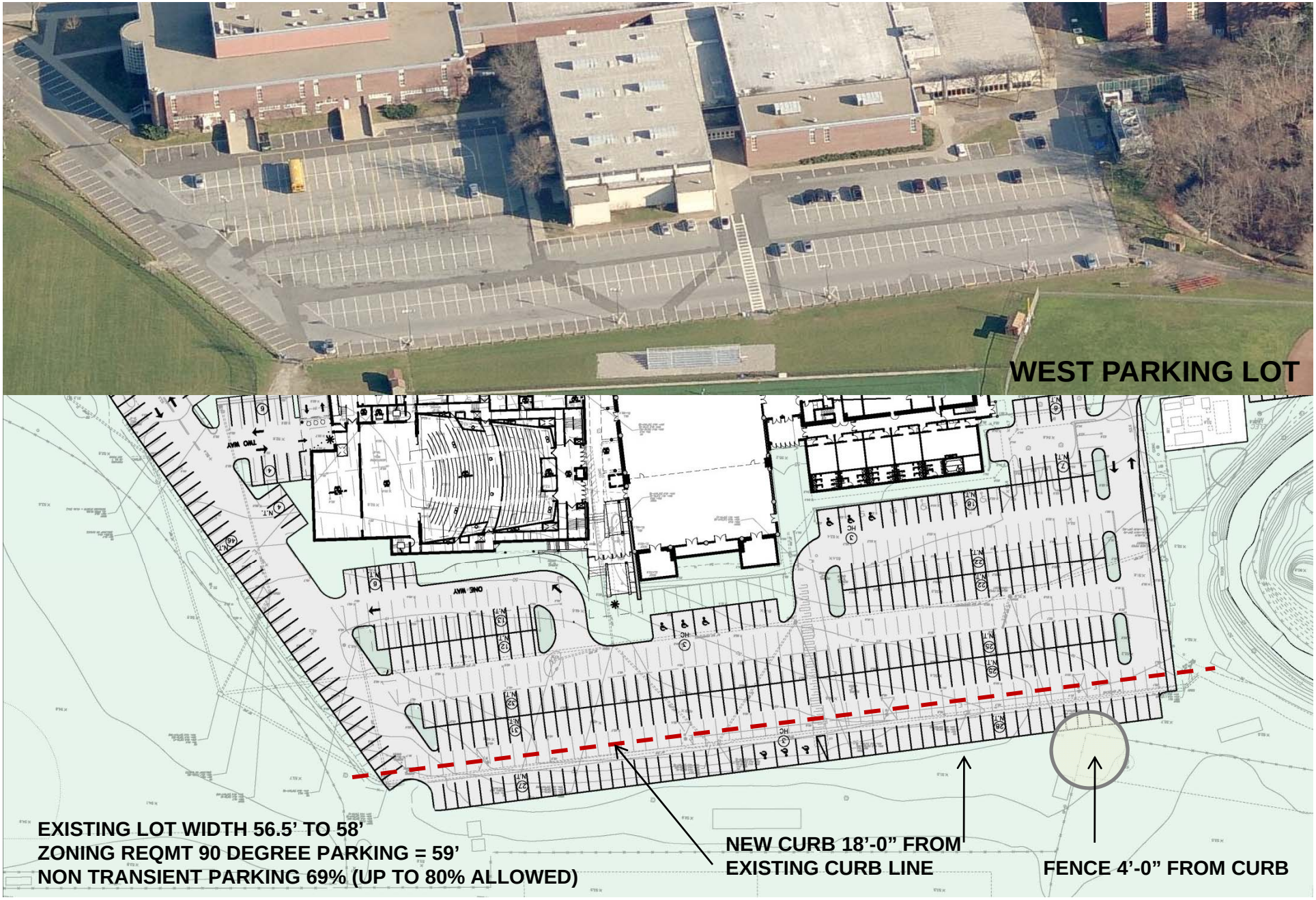

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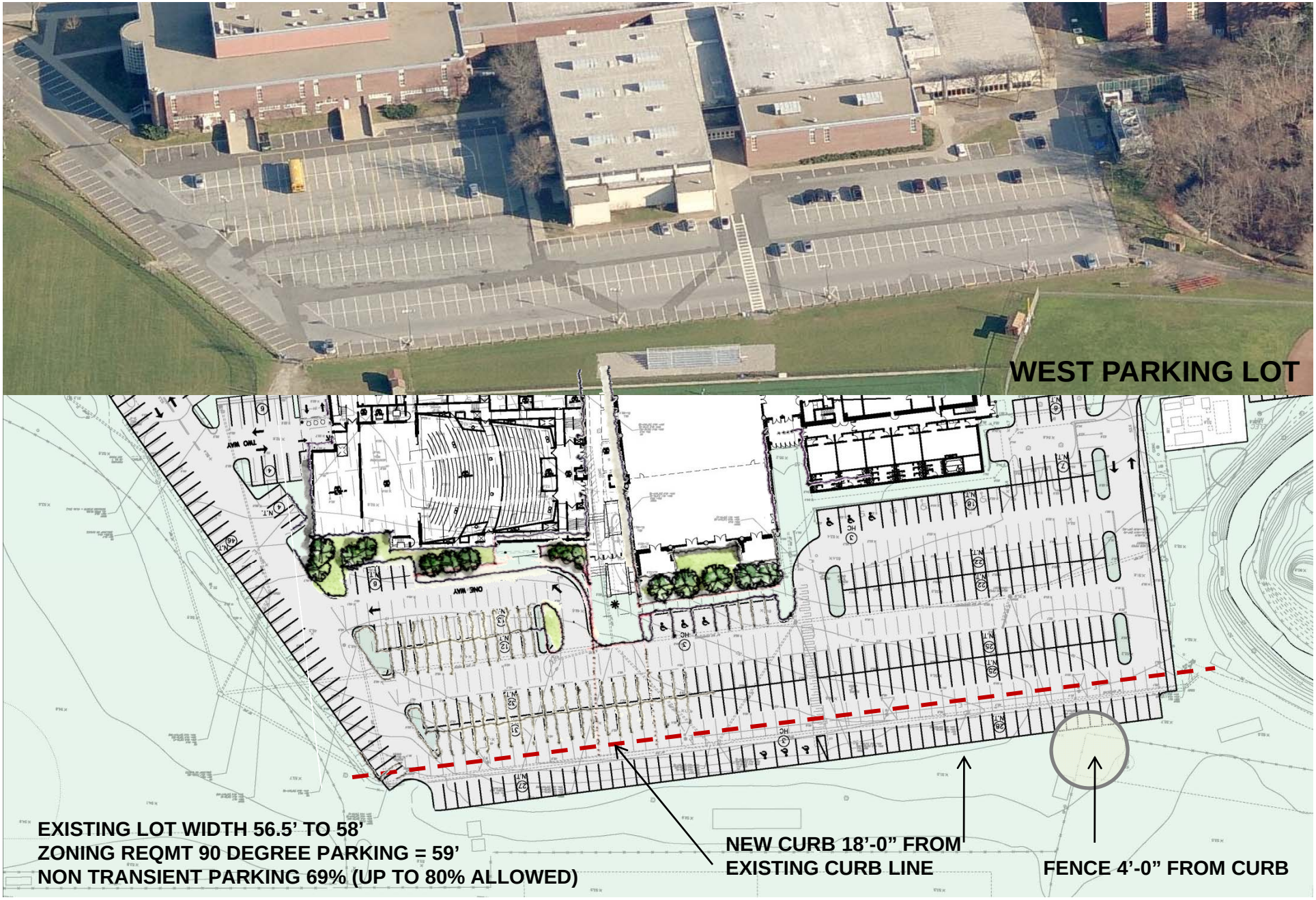

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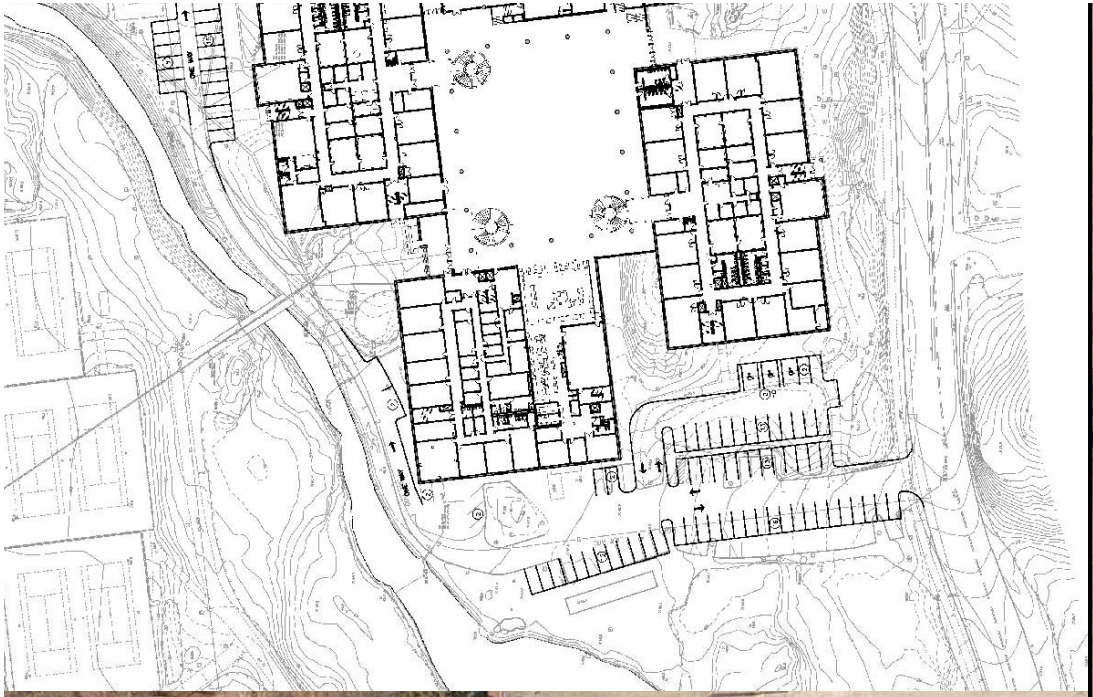

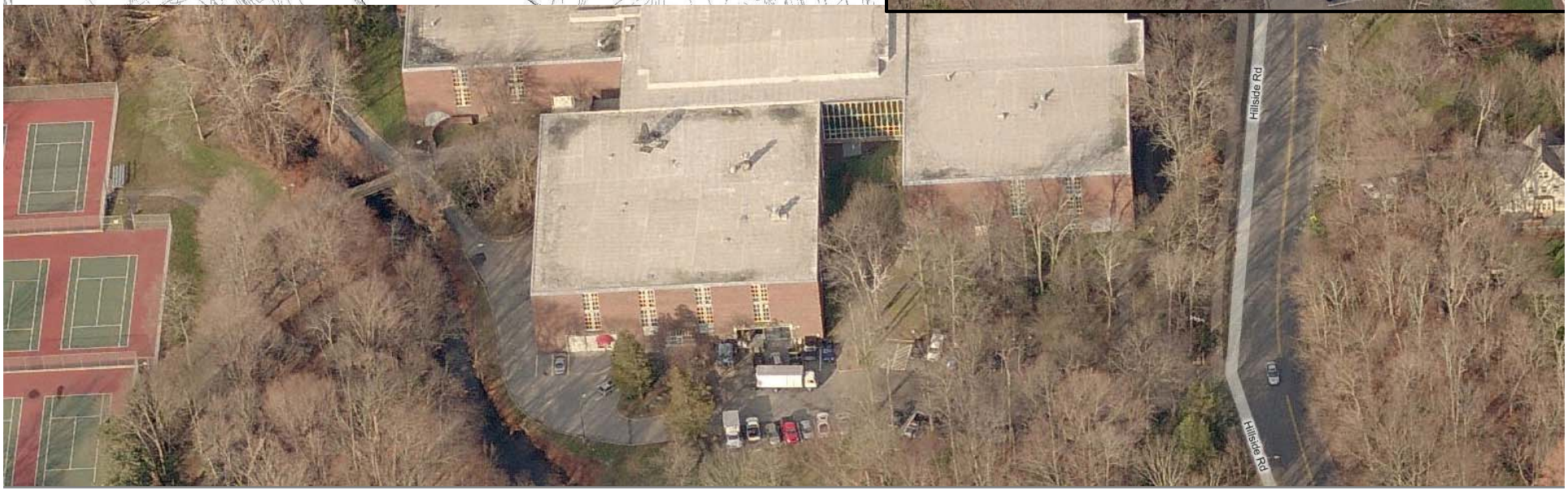

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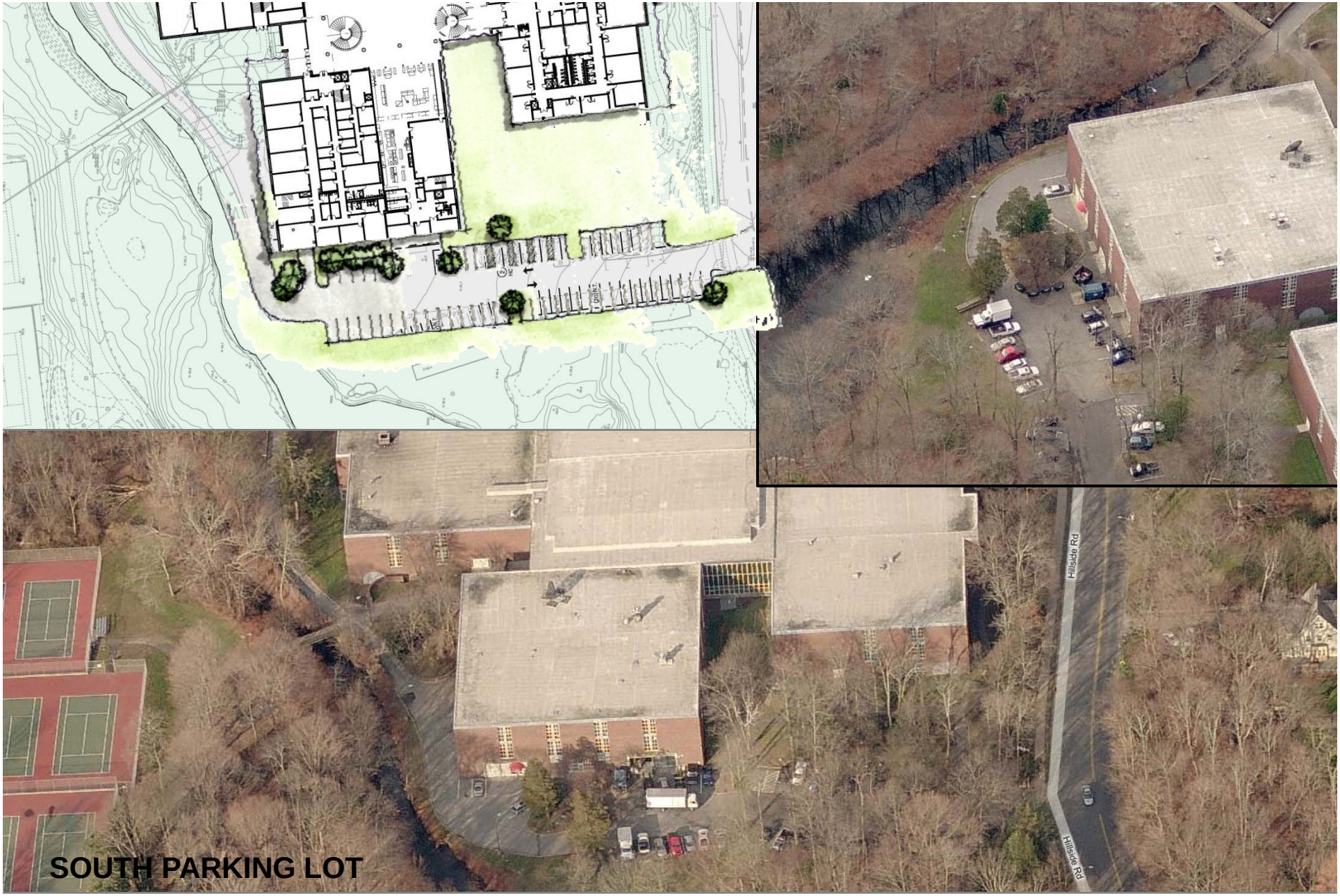

SOUTH PARKING LOT

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Metal Panel

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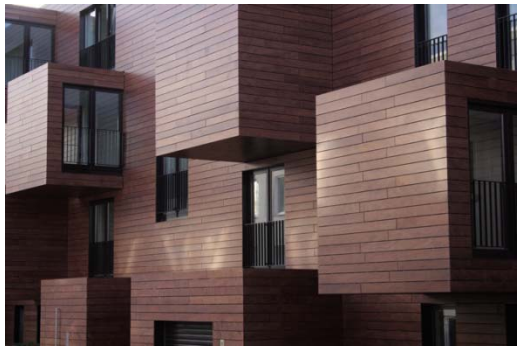
Prodema Exteriors



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New England Projects

Hartford School of Art –Hartford CT

Community Boathouse -Watertown MA

Hartford University - Hartford CT

Times Academy - Providence RI

Trinity College - Hartford CT

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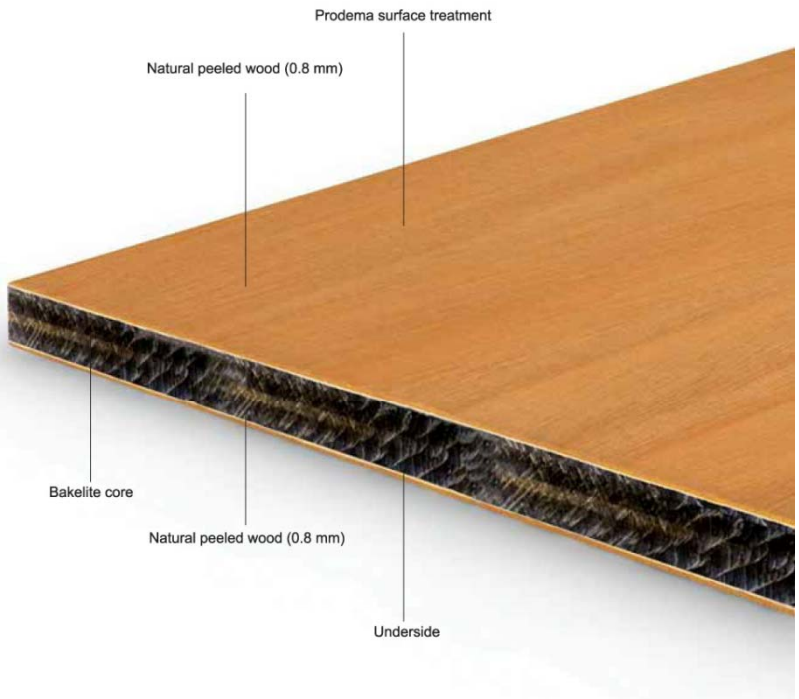
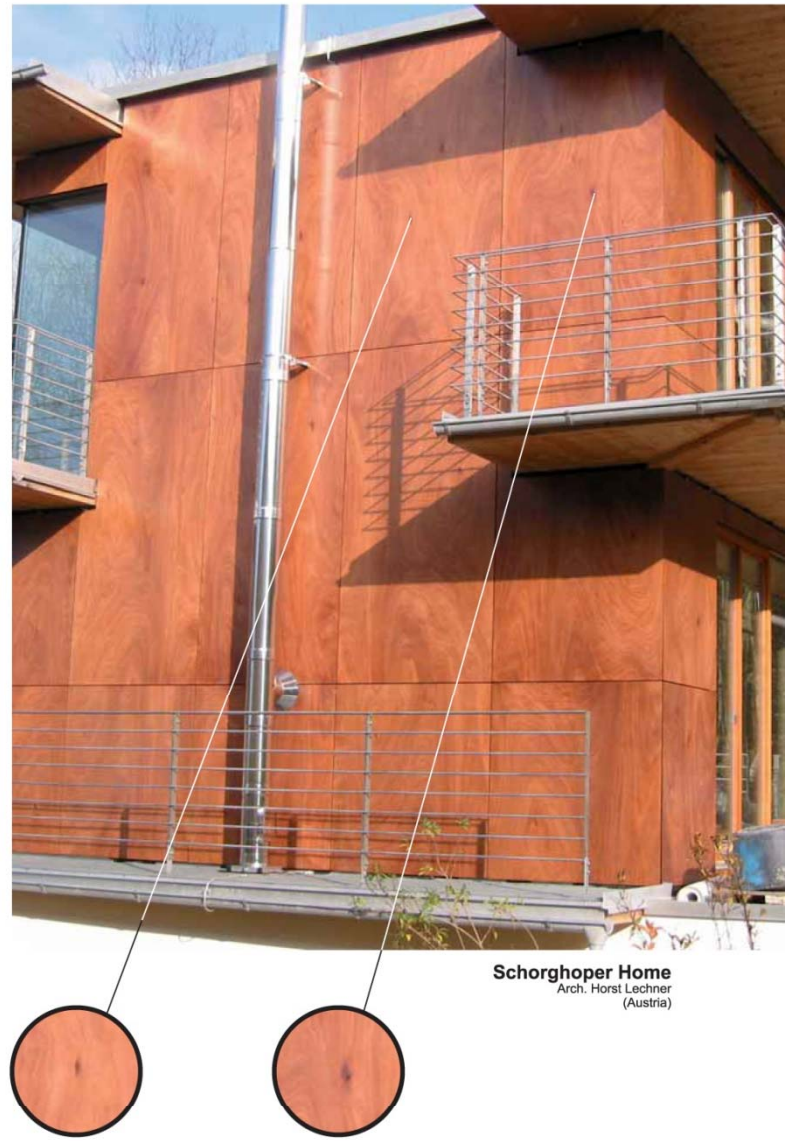
Prodema Exterior

ProdEX is a composite panel faced with a natural wood veneer and coated with a proprietary coating, based on synthetic resins and PVDF, which protect the panel from the effects of sunlight, chemical attack (anti-graffiti) and the damage caused by atmospheric agents.





Schorghoper Home
Arch. Horst Lechner
(Austria)

PERKINS + WILL

Prodema Exterior

The different layers of material give the panel its unique characteristics:

Appearance

- Attractive aesthetic qualities due to the nature of the product – natural wood.
- Solid colour according to EN 438-2 standard, section 28 and 29.

Resistance and durability

- Density ≥ 1'35 gr/cm^3.
- **High mechanical resistance**. Flexural strength > 80 MPa and modulus of elasticity > 9000 MPa.
- **High resistance to weather.** In the artificial ageing tests, **ProdEX** obtains a colour stability of = 3 after 6000 hours of exposure to xenon radiation compared with the 3000 hours required by the EN 438-2:2005 standard, section 29 (except **ProdEX** Light colour, which obtains a result of 3000 hours).
- **Long-lasting against wood-eating pests (termites):** with a Grade 0 result (no sign of infestation) according to EN 350-1:1994 test.
- **High resistance to sharp changes in temperature and moisture** (-20ºC to 80ºC) without loss of mechanical properties or changes in appearance, according to EN 438-2:1995 section 19.
- **Excellent dimensional stability.** See chapter 2.2.2.
- **High impact resistance against hard objects** with a small or large diameter.

Cleaning

- Easy to clean and maintain.
- The boards do not attract dust.

Graffiti resistance

- The exterior non-stick chemical sheet that impregnates the **ProdEX** panels prevents aerosol paint from sticking permanently to the board.

Fire-proof product (**ProdEX** IGN)

- All **ProdEX** boards can be supplied in a fire-proof format, according to EN 13.501-1 standard.
- This European standard provides the reaction to fire classification for all construction products.
- Construction combustible products can range from Class B to Class F, where Class B is the strictest of all classifications.
- Furthermore, the product may also hold an additional classification:

  - For smoke production: this can range from s1 to s3, where s1 is the strictest of the classifications.

  - For flaming droplets/particles: this can range from d0 to d2, where d0 is the strictest of the classifications.

Fire-proof material:		
Thickness ≥ 6 mm	Clas.: B-s2, d0	(according EN 13.501-1)
Thickness ≥ 3 mm	Clas.: C-s2, d0	(according EN 13.501-1)

NONE Fire-proof material		
Thickness ≥ 8 mm	Clas.: C-s1, d0	(according EN 13.501-1)
Thickness ≥ 3 mm	Clas.: D-s2, d0	(according EN 13.501-1)

PERKINS + WILL

Greenwich High School Auditorium & Music Instructional Space

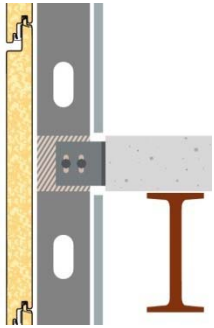
Greenwich, Connecticut

Conceptual Cost Study - Exterior Wall Systems

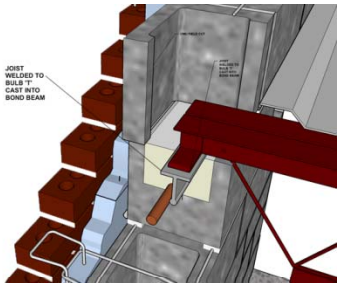
Turner

15-Jun-09

Prodema Finish System - Wood on phenolic panel	30.00
3/4" PT Plywood backing	2.50
5/8" Dens Glass Gold Ext Sheathing	4.00
Vapor Barrier / Waterproofing barrier	8.00
8" - 18 ga. Metal Stud Framing	6.00
6" Batt Insulation	1.50
One layer 5/8" Gypsum Board	3.00
Paint	1.00
Sealant	1.50
Subtotal Prodema Finish System - Wood on phenolic panel	57.50



Metal Panels with Metal Stud/DW back-up	
3" Centria Formawall Dimension Series, Insulated	45.00
Vapor Barrier (Tcco would recommend)	2.00
Ext Sheathing	None
6" Batt Insulation (Tcco would recommend)	1.50
8" - 18 ga. Metal Stud Framing	6.00
Interior drywall	3.00
Interior paint	1.00
	58.50 per sqft



Brick with CMU Block back-up	
Brick	35.00
Vapor barrier / WP	8.00
2 ½" Rigid Insul	5.00
8" CMU	20.00
Interior Paint	2.00
Cost Impact to Structure & Foundations	+
	70.00 per sqft

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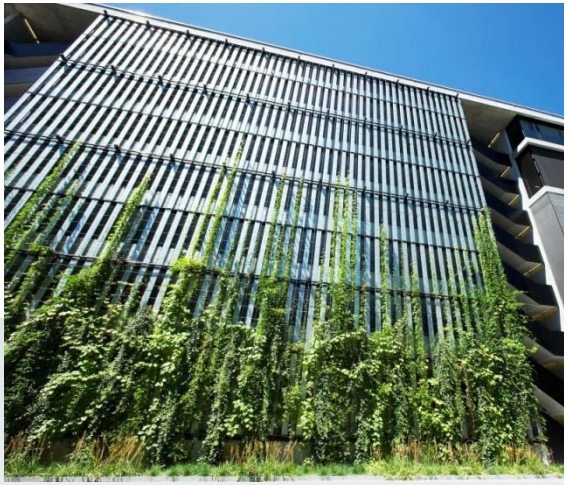

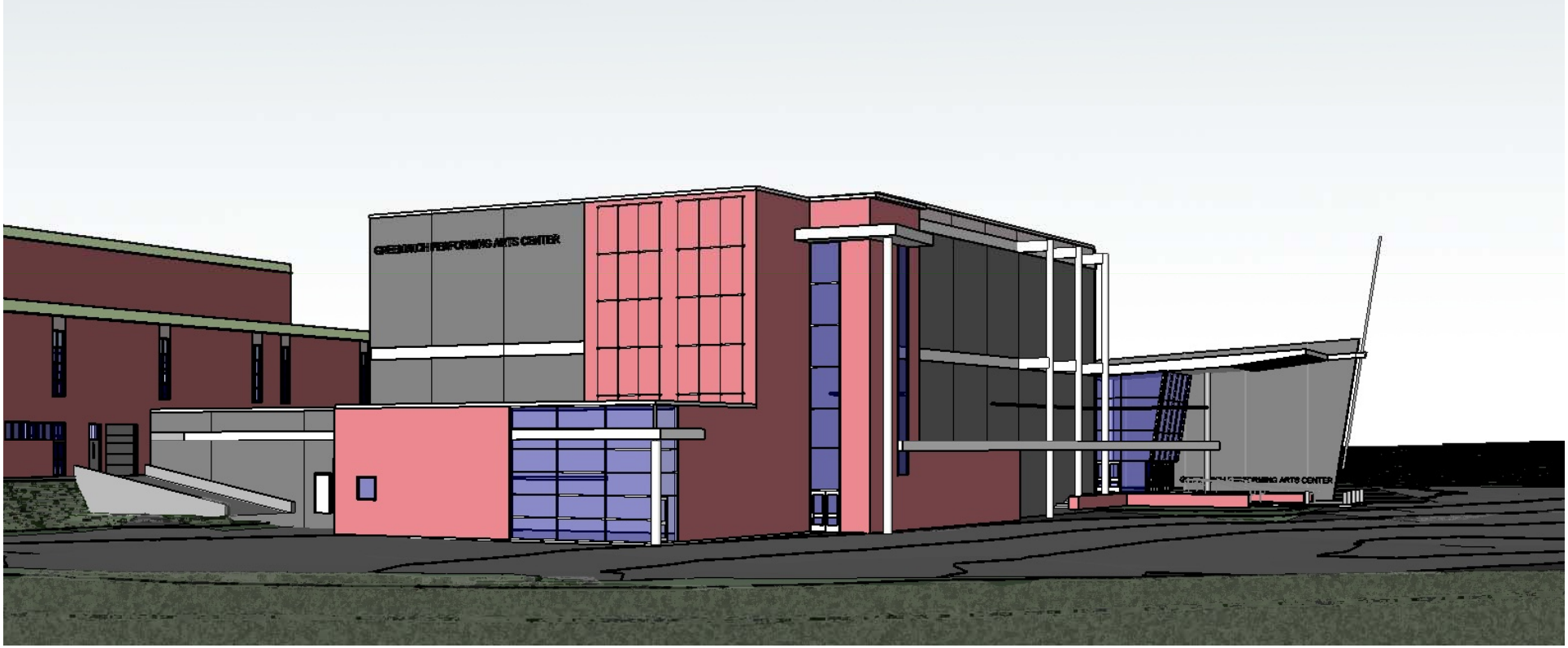

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COSLER

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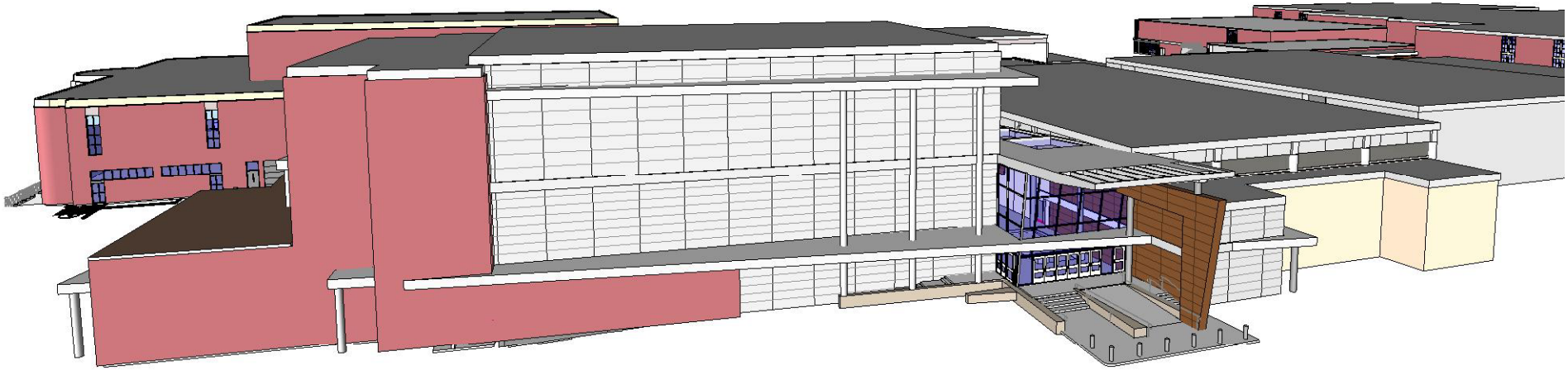

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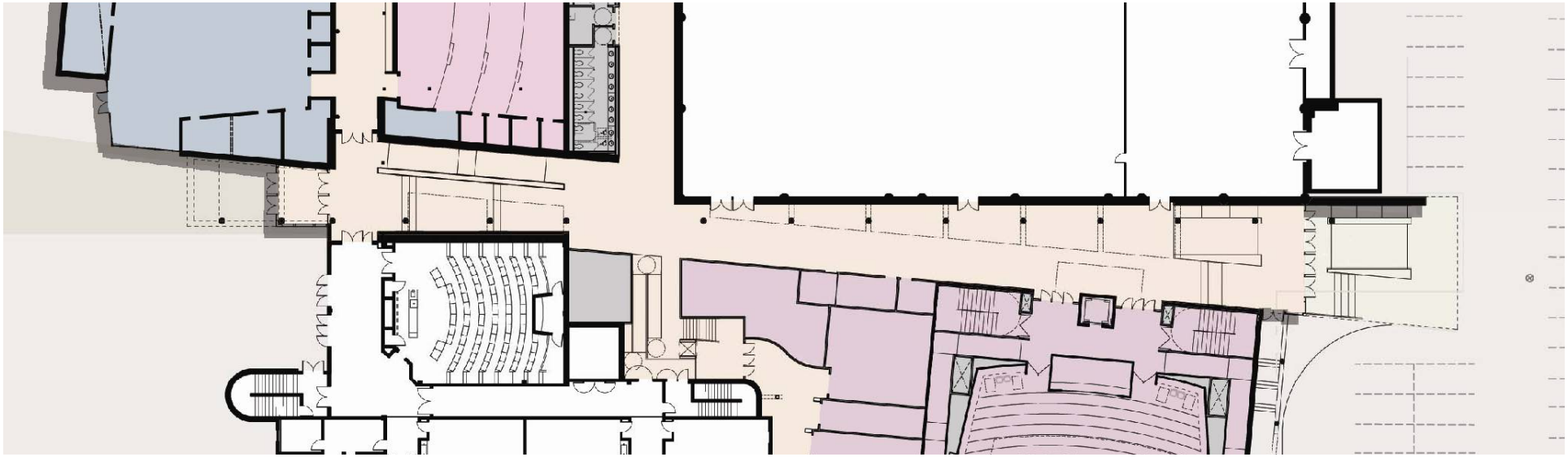

LOBBY SECTION & PLAN

PERKINS + WILL

LOBBY SECTION

PERKINS + WILL

PERKINS + WILL

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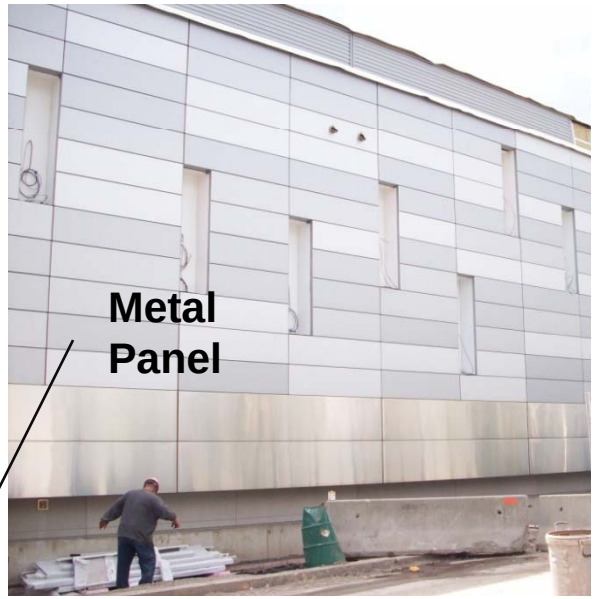
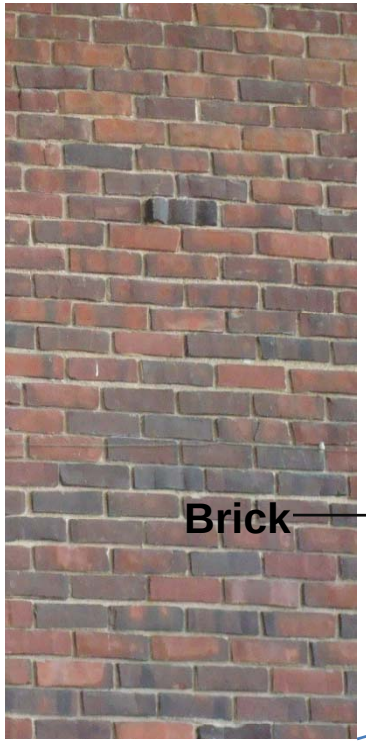
Materials





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