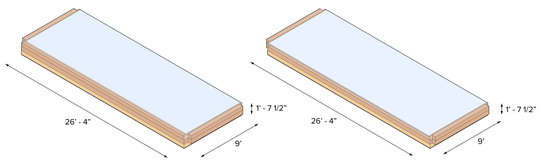
OVERCROWDING to OPPORTUNITY

Evan Lehner | M.Arch & MRED Candidate

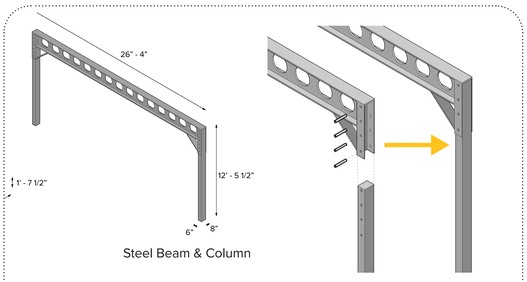


WEST “VILLAGE” PERSPECTIVE



End Panel | Middle Panel

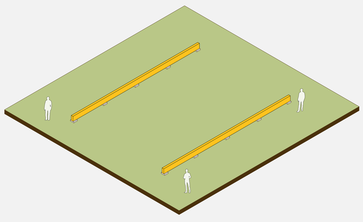
FLOOR PANELS



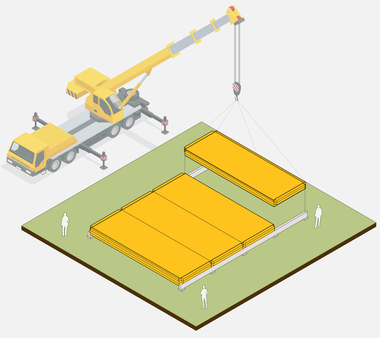
Steel Beam & Column

STEEL ASSEMBLY

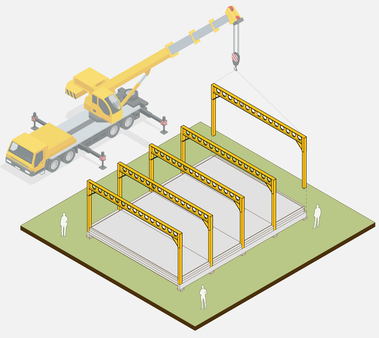
① Support Beams



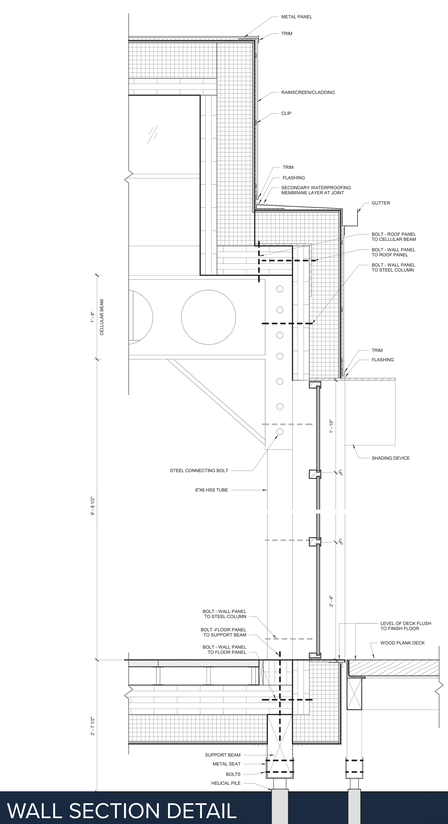
② Floor Panels



③ Steel

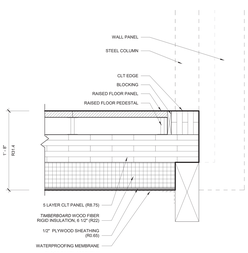


ASSEMBLY SEQUENCE

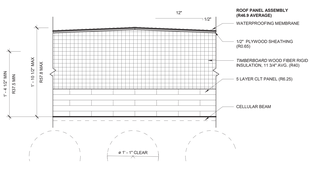


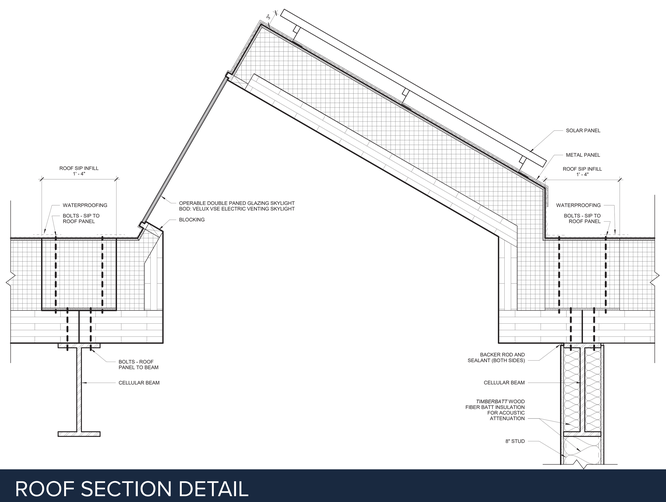
WALL SECTION DETAIL

FLOOR PANEL SECTION DETAIL

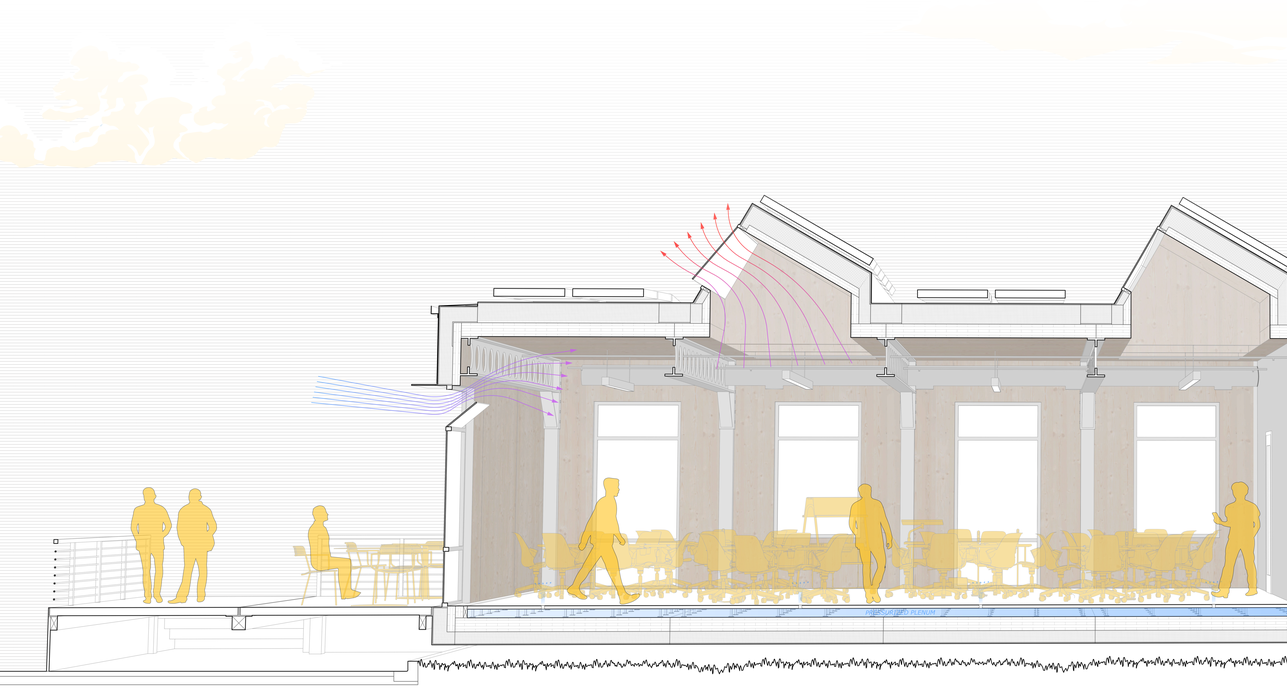


ROOF PANEL SECTION DETAIL

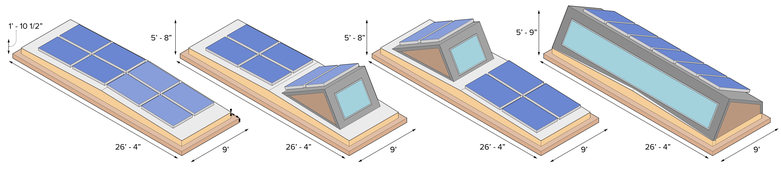




ROOF SECTION DETAIL

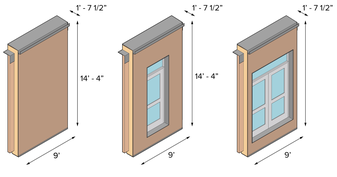


SECTION PERSPECTIVE



Flat | Side Skylight - Right | Side Skylight - Left | Sawtooth

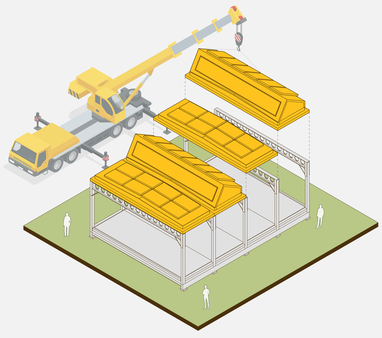
ROOF PANELS



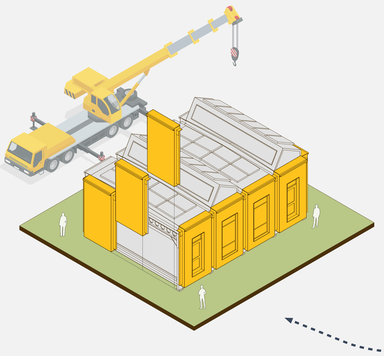
Solid | Single Door | Double Door

WALL PANELS

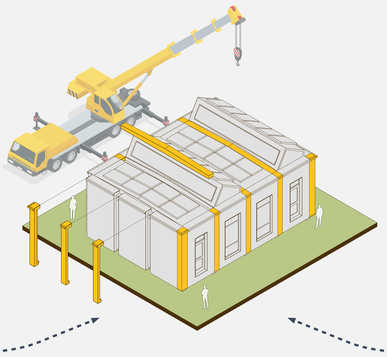
④ Roof Panels



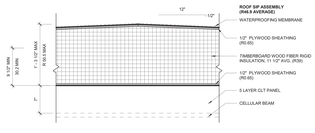
⑤ Wall Panels



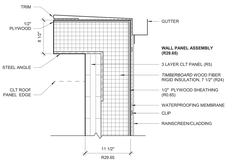
⑥ SIPS and Waterproofing



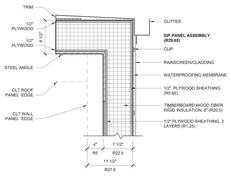
ROOF S.I.P. SECTION DETAIL

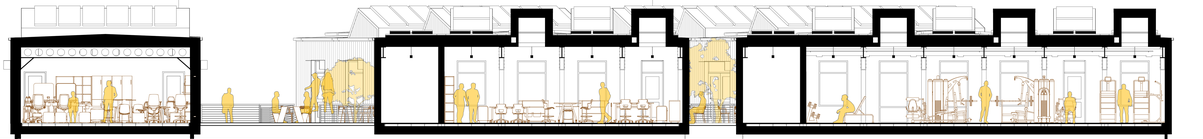


WALL PANEL SECTION DETAIL

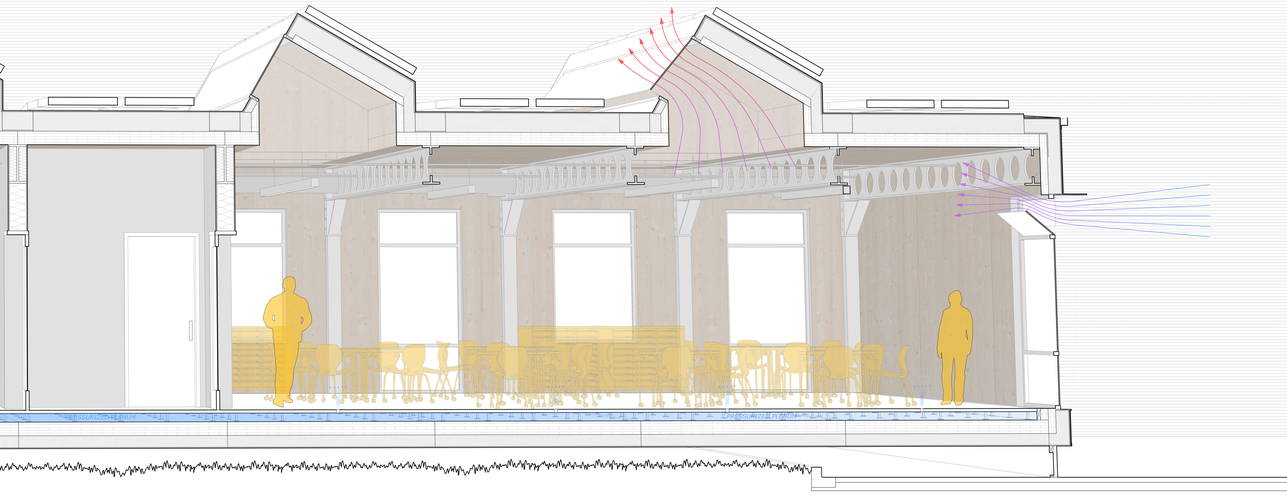


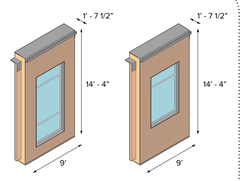
WALL S.I.P. SECTION DETAIL





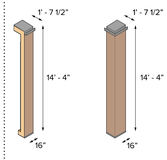
A - WEST SITE SECTION 1





Full Height Window

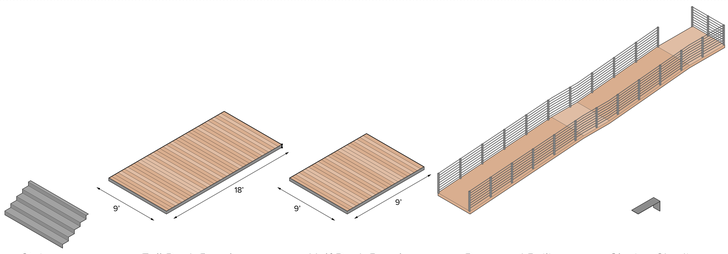
Half Height Window



SIP Filler

Corner SIP Filler

WALL S.I.P.S



Stairs

Full Deck Panel

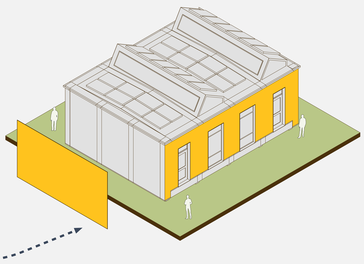
Half Deck Panel

Ramp and Railing

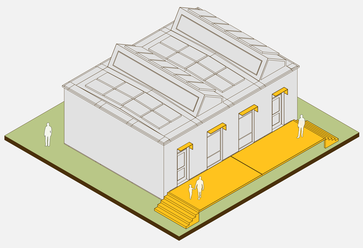
Glazing Shading Device

ACCESSORIES

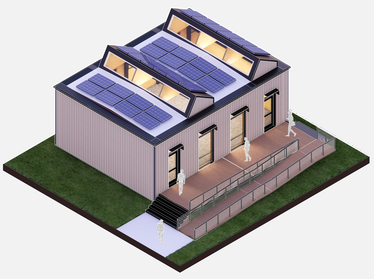
⑦ Rainscreen / Cladding



⑧ Accessories

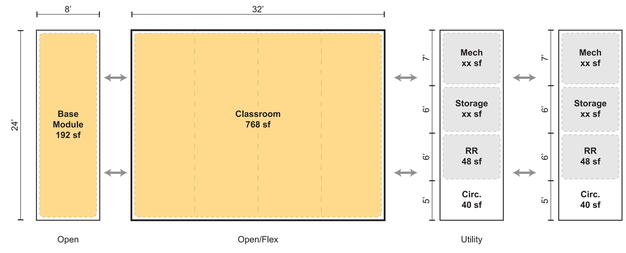


Single Unit AMC

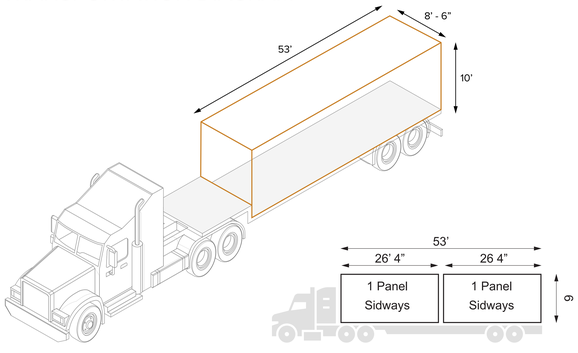


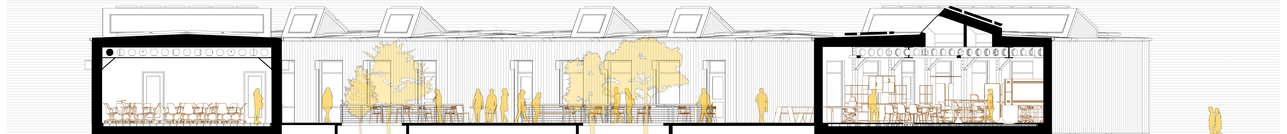
MODULE PROGRAMMING

Program Size Calculations
Classroom Size: 24 people (23 students + 1 Teacher)
Modular Genius Classroom: 741 square feet
Comparable sf per person: 31

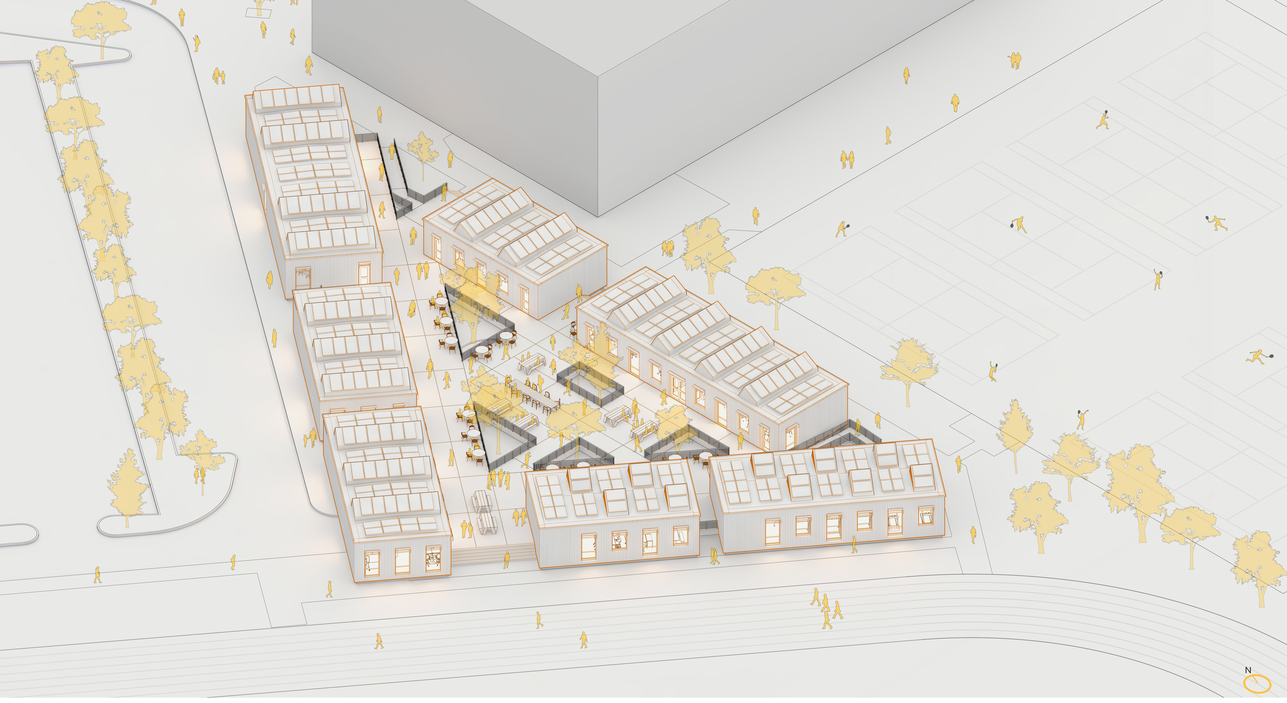


TRANSPORTATION DIAGRAM





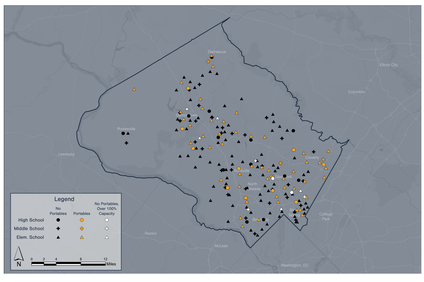
B - WEST SITE SECTION 2



WEST “VILLAGE” AXONOMETRIC



WEST “VILLAGE” PLAN



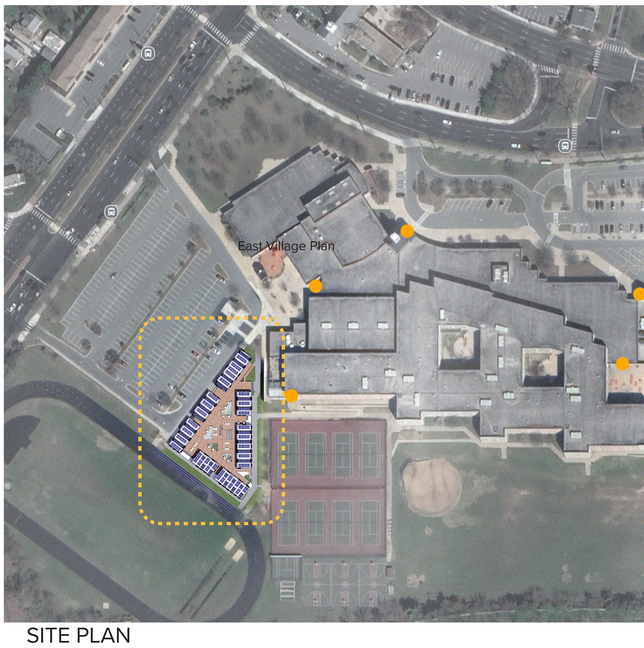
MCPS DATA

474
Portables

211
Schools

157,000
Students

15th
Largest US School District



SITE PLAN



LAB / MAKERSPACE



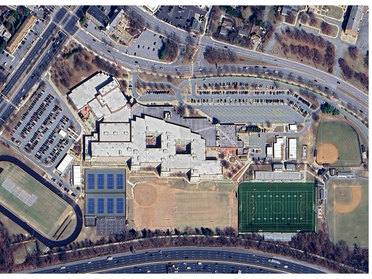
GYM



C - EAST SITE SECTION 1



EAST “COMMONS” AXON



BHS EXISTING SITE IMAGERY

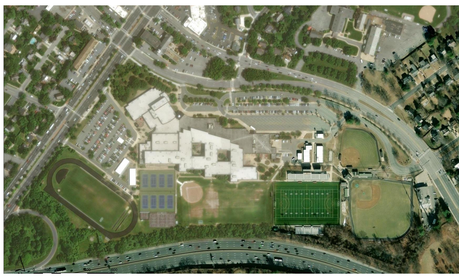


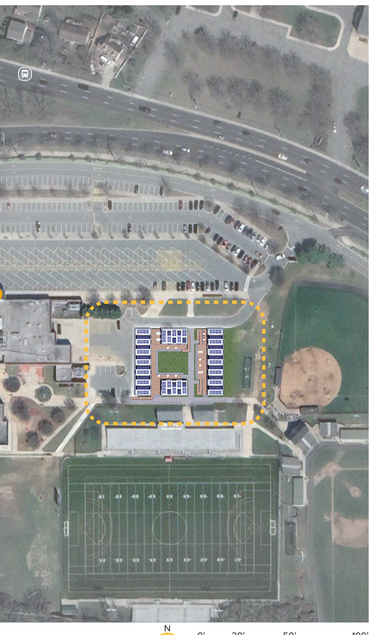


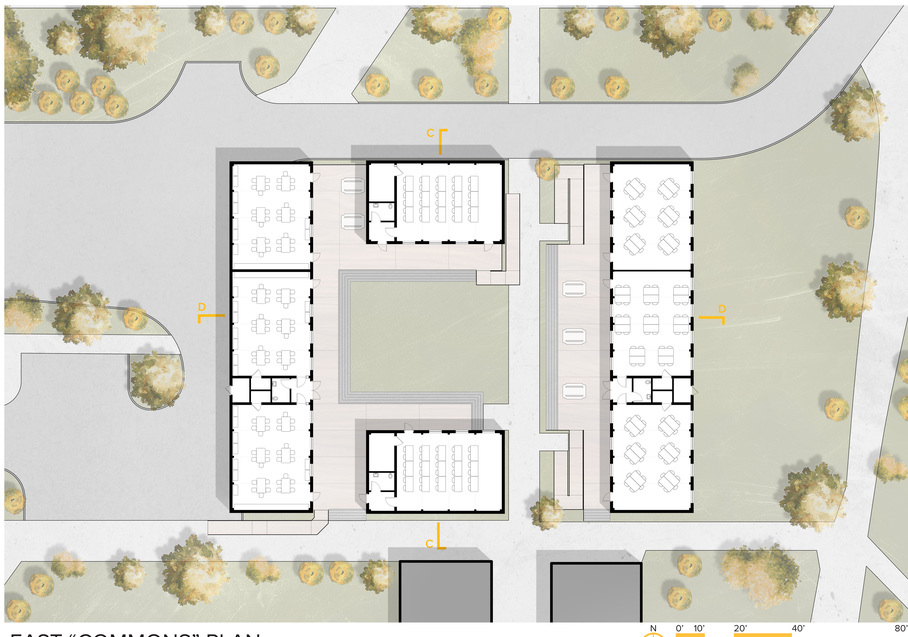




EXISTING PORTABLES







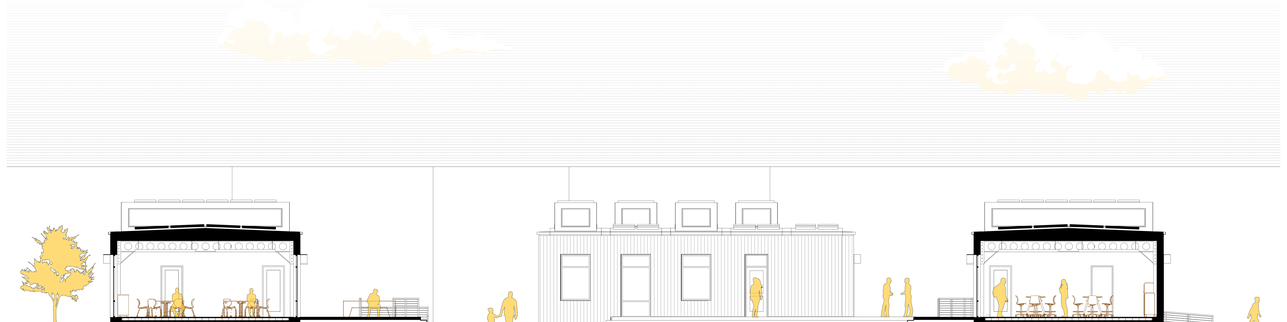
EAST “COMMONS” PLAN



ACTIVE LEARNING CLASSROOM



EAST “COMMONS”



D - EAST SITE SECTION 2