





VINCENT VELASCO

(949) 436-0218 VINCENT.VELASCO@GMAIL.COM

EDUCATION

University of Illinois at Urbana-Champaign Master of Architecture with Structures Concentration

Grade Point Average: 3.82/4.00

University of California at Irvine Bachelor of Arts in Studio Art with Biological Sciences Minor

Spring 2007 School of the Arts Grade Point Average: 3.45/4.00

PROBESSIONALE: RESEAROLEEN DER LENGE

Wald, Ruhnke & Dost Architects

BIM Manager / Project Manager

July 2017 - Present Monterey, CA

Winter 2013

- Attained additional responsibility to become the principal designer for the firm, establishing the design language and concepts for most of the higher profile projects that went to our office
- · Lead director to implement BIM technology to the firm, in order to prepare for more efficient workflow while minimizing coordination issues and redundancy in drafting
- · Additional role as Project Manager to lead the design of several projects while under the general supervision of Associates and Principals

NOTABLE PROJECTS

Ulrika Plaza Mixed-Use, Carmel-By-The-Sea, CA - New Construction

Joby Aviation Headquarters Interiors and New Manufacturing Facility, Marina, CA - New Construction

Salinas Valley Memorial Hospital Cafeteria Interiors & Plaza Renovation - Renovation / Expansion

17th & Capitola Mixed-Use Project, Salinas, CA - New Construction

SeaPointe Apartments, Marina, CA - New Construction

Transportation Authority for Monterey County, Master Plan, Seaside, CA - Master Plan

City of Salinas Lincoln Corridor Master Plan, Salinas, CA - Master Plan

Hollis + Miller Architects

Junior Architect

May 2016 - July 2017 Kansas City, MO

- Returned to Hollis + Miller Architects to fill a vital gap between an Intern Architect and Senior Project Architect within the Higher Education Studio
- · Recognized for efficiency and speed in document production, in addition to quickly gaining trust to create effective, major design decisions that helped give new life to the studio
- Engaged with the firm to become an active member of the firmwide Revit Standards & Design team, as well as intranet content manager / editor

NOTABLE PROJECTS

Student Suites Jarvis Christian College (TX) Student Living - New Construction

Glen Oaks Community College (MI) Student Living - New Construction

Midwestern Baptist Theological Seminary (MO) Student Center - New Construction

Andrew Fell Architecture and Design

Designer

May 2015 - May 2016 Champaign, IL

- Worked in a small-sized Commercial / Residential architectural firm that strengthened design thinking and honed my building construction knowledge
- Successfully managed and delivered projects in a fast-paced environment, with involvement in over 20+ projects of various size, scope, and construction phase
- Engaged in direct communication with clients and assumed project lead for three projects, including calculating, managing, and designing simple MEP drawings

NOTABLE PROJECTS

Baxter's American Grille Restaurant (IL) - Renovation / Redevelopment

Espresso Royale Coffee (IL) - Renovation

Healey Place Mixed-Use & Commercial Restaurant Build-Out (IL) - New Construction

505 S First St. Champaign Mixed-Use (IL) - New Construction

Hollis + Miller Architects

Intern Architect

September 2014 - May 2015 Overland Park, KS

- Simultaneously managed 16 small and medium projects that comprised of education, civic, and environmental graphics up to the Construction Adminitration Phase, while collaborating with subcontractors, city officials, and principals of the firm
- Within first month of work, became a pivotal design team member for the design of the firm's new office in Kansas City, Missouri due to my ability to work quickly and with a high degree of accuracy and rigor

NOTABLE PROJECTS

Briarwood Elementary School (KS) - New Construction

Trailwood Elementary School (KS) - New Construction

Shawnee Mission School District High Security Entries for High Schools (KS) - Renovation

Olathe City Hall Renovation (KS) - Renovation

Cooper Carry

Intern Architect

January 2014 - September 2014 Atlanta, GA

- Drafted and revised building and unit plans through Revit on three mixed-use, multistory projects while learning critical building concepts both at the office and on site
- · Programmed and implemented the use of parametric families in Revit to create efficient workflows for the firm

NOTABLE PROJECTS

AMLI Midtown at West Peachtree Street Mixed-Use Highrise (GA) - New Construction

AMLI 3464 Cityplace Tower (GA) - New Construction

Carolina Square, Chapel Hill (NC) - New Construction

University of Illinois at Urbana-Champaign

Teacher Assistant/Research Assistant - Urban Research Lab

August 2010 - May 2011 Champaign-Urbana, IL

- Instructed a fourth-year undergraduate architecture studio, administering discussion and critiques and delegating advice on improving student projects
- Demonstrated to students software skills needed to produce 3D surface models using Rhinoceros 3D
- Performed critical research on networked-enabled and interactive subway kiosks in relation to an interdisciplinary approach to design that deals with designers and programmers in concert with each other

AWARDS, PUBLICATIONS + RECOGNITION

University of Illinois at Urbana-Champaign

Spring 2013

Published: Tierney TF, Velasco V (2013). Positioning Locative Media: A Critical Urban Intervention. Leonardo Journal of Arts, Sciences and Technology; 46(3).

Stephen J.Y. Tang Memorial Award

Spring 2013

- Selected by faculty for exemplary architectural and structural engineering work on a culinary arts college in Chicago

 Earl Prize Winner

 Fall 200
- Received the award for outstanding individual project for the Earl Prize, an Architecture undergraduate student award for excellence

SKILLS

CAD/BIM	3D MODELING / RENDERING	GRAPHIC DESIGN	PROGRAMMING	STRUCTURES
AutoCAD 2021	Google SketchUp + V-Ray	Adobe Photoshop	Grasshopper	RISA-3D
Revit 2021	Rhinoceros + V-Ray	Adobe Illustrator	Processing	SAP2000
Sefaira	Epic Games Twinmotion	Adobe InDesign	C++/Java	RAM Structural System
Project Vasari	Autodesk 3D Studio Max	Adobe Flash	Revit 2013	
Ecotect Analysis	Autodesk Maya	Adobe Premiere Pro + After Effects		
	Dassault Systems CATIA	Adobe Dreamweaver		

- · Commitment to accuracy and strong attention to detail
- Work extremely well under pressure and on multiple tasks simultaneously
- Leadership experience supervising, managing, and training others
- Excellent interpersonal skills; Always maintain a professional and courteous decorum



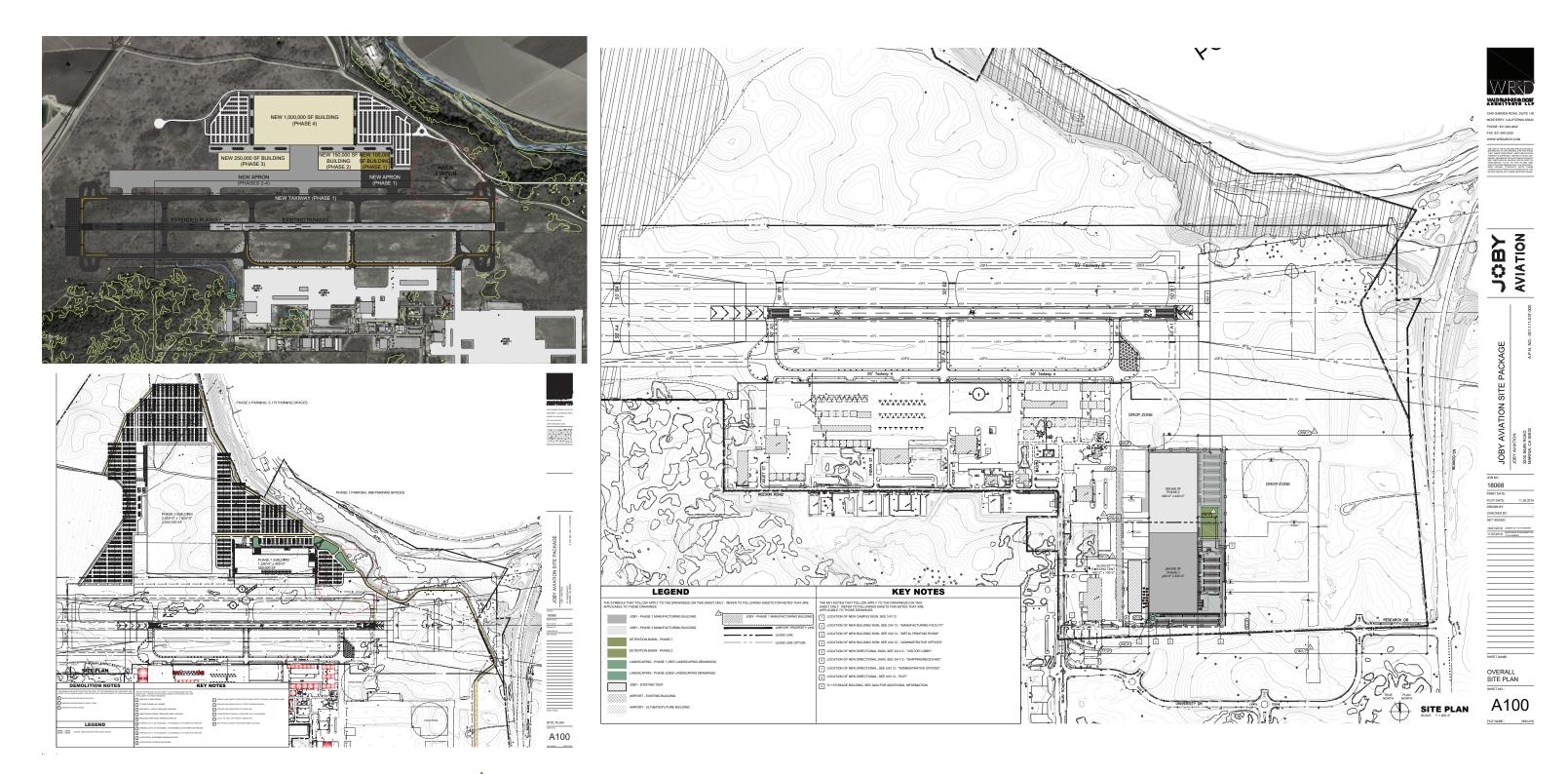


STARTUP STATEMENT

JOBY AVIATION
HEADQUARTERS T.I. & NEW
MANUFACTURING FACILITY

Wald, Ruhnke& Dost Architects Marina, CA T.I. Under CA; New Manufacturing Facility MID-CD phase A NEW AVIATION STARTUP COMPANY BACKED BY A MAJOR JAPANESE VEHICLE MANUFACTURER IS LOOKING TO RELOCATE A NEW HOME FROM THE SANTA CRUZ HILLS TO A MUNICIPAL AIRFIELD IN MARINA. THEIR REVOLUTIONARY, VTOL AIRCRAFT THAT WOULD OPERATE SIMILAR TO UBER OR LYFT NEEDED TO CREATE FACILITIES THAT EMPHASIZE THEIR GRASS-ROOTS IDEOLOGY INTO THEIR NEW HEADQUARTERS AND MANUFACTURING FACILITY.





BUILDING SITING

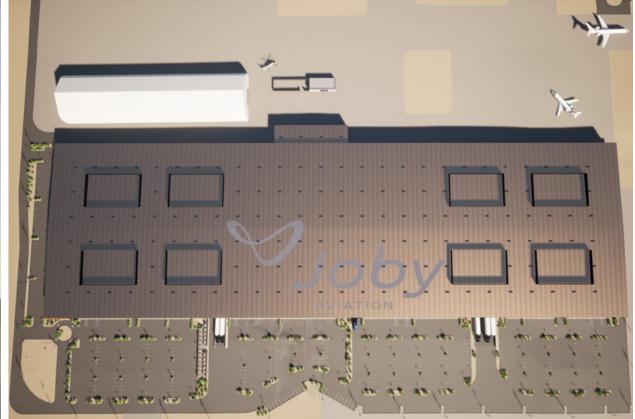
THE MARINA MUNICIPAL AIRPORT ORIGINALLY DESIGNATED THE AREA NORTH OF THE RUNWAY TO DEVELOP THE NEARLY 1.5 MILLION SQUARE FOOT STRUCTURES, UPON FINAL COMPLETION OF THE PROJECT. HEIGHT RESTRICTIONS, OBSERVING THE TAXIWAY OBJECT-FREE AREA, AS WELL AS THE PROXIMITY TO THE AIPORT SURVEILLANCE RADAR'S CLEAR RADIUS WERE OBSTACLES THAT WE MANAGED TO OVERCOME, HOWEVER, IT WAS THE BUILDING'S INFRINGEMENT TO INDIGENOUS PLANT SPECIES THAT ULTIMATELY FORCED THE CLIENT TO MOVE SOUTH OF THE RUNWAY FOR A SMALLER STRUCTURE. THE FINAL SITE PLAN IS SHOWN HERE.





PREVIOUS TILT-UP OPTION RENDERING - CLIENT PROCEEDED TO GO AGAINST THIS OPTION ABOVE, FOR A FULL METAL BUILDING, LEFT.



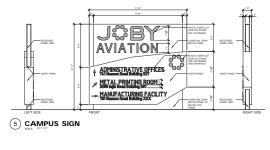


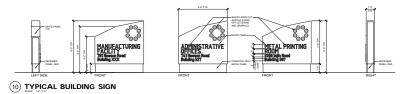
JOBY MAIN MANUFACTURING ASSEMBLY PLANT
THE 579,600 SF MAIN PLANT IS TO BE SUPPLEMENTED BY A NEARBY 54,000 SF
TEMPORARY TENT STRUCTURE.

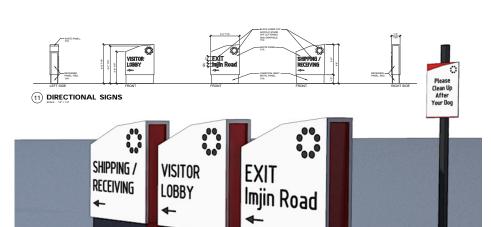














JOBY HEADQUARTERS AND SIGNAGE

A NEARBY HANGER WAS CONVERTED TO THE JOBY HEADQUARTERS. I PROVIDED SUBSTANTIAL INTERIOR DESIGN INPUT, FROM MATERIAL SELECTION TO THE STAIRWELL. I ALSO DEVELOPED A UNIFIED SIGNAGE SYSTEM ACROSS THE CAMPUS, WHICH WAS LOOSELY INSPIRED BY THE SHAPE OF THE WING'S AIRFOIL IN TAKEOFF.





LIVE OAK PROJECT

17TH AND CAPITOLA LIVE OAK
NEW CONSTRUCTION - SANTA
CRUZ COMMUNITY HEALTH
CENTERS, DIENTES COMMUNITY
DENTAL, MID PEN HOUSING

Wald, Ruhnke & Dost Architects Capitola, CA End of CD Phase THIS WAS A CHALLENGING PROJECT WITH THREE SEPARATE CLIENTS ON ONE PLANNED DEVELOPMENT. A CLINIC FOR SANTA CRUZ COMMUNITY HEALTH AND DENTAL OFFICES FOR DIENTES COMMUNITY DENTAL WILL PROVIDE STREET FRONTAGE, WHILE AN AFFORDABLE HOUSING COMPLEX WOULD BE LOCATED IN THE REAR OF THE BUILDING. MANY CHALLENGES WERE FACED, CLIENT CONSENSUS, A TIGHT SITE, ALONG WITH VALUE ENGINEERING DURING COVID-19.



















VALUE ENGINEERING

The clients were extremely excited with our initial schematic design, creating a beautiful centerpiece for the community of Live Oak. However, with the advent of COVID-19, the healthcare clients ultimately reduced the building program and divert resources toward fighting the pandemic. As a result, the dental building became one storey, and the bridge between buildings was omitted. The design progression follows in the images above. Throughout the process, I had a primary hand in redesigning the buildings to fit the client's needs.







1 ENLARGED PHASE II SITE PLAN





5 BUILDING 4
EAST ELEVATION









MID PEN HOUSING

With cost consciousness in mind, we created a set of residential buildings that provided a safe and welcoming space for play and rest. The client wanted various unit TYPES, RANGING FROM STANDARD 1 BEDROOM TO TWO STOREY TOWNHOMES THAT STARTED ON THE SECOND FLOOR. THE CHALLENGE WAS CREATING AN ECONOMICAL COMPLEX OF BUILDINGS THAT ALSO HAD TO FIT IN AN EXTREMELY SMALL SITE.

BUILDING 4 - PARTIAL NORTH ELEVATION















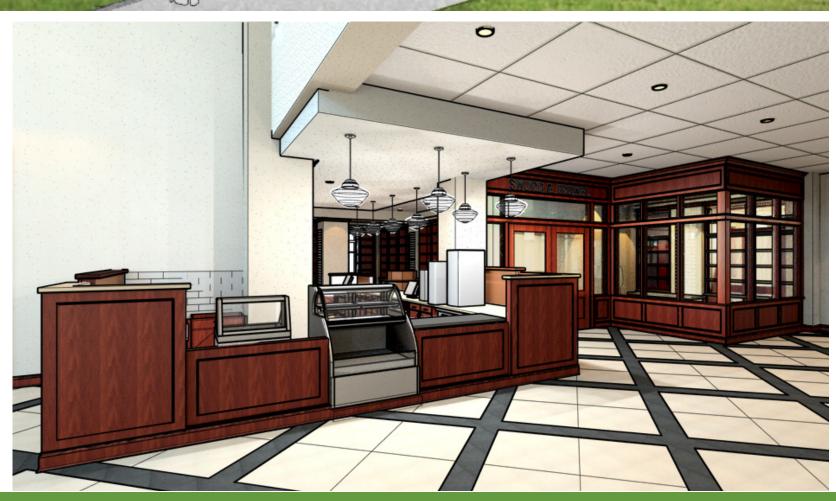
SWORD& TROWEL

MIDWESTERN BAPTIST THEOLOGICAL SEMINARY NEW STUDENT CENTER -BOOKSTORE / CAFE

HOLLIS + MILLER ARCHITECTS
KANSAS CITY, MO
MARCH 2017
COMPLETD 2019

THIS PROJECT WAS FOR A NEW STUDENT CENTER FOR THE MIDWESTERN BAPTIST THEOLOGICAL SEMINARY IN KANSAS CITY, MO. A MAJOR COMPONENT OF THE SPACE IS A RETAIL BOOKSTORE / CAFE SPACE FOR STUDENTS, FACULTY, AND THE COMMUNITY TO ENJOY AND MINGLE.

OUR DISCERNING CLIENT BECAME A STRENGTH FOR OUR TEAM TO WORK WITH, AS WE WORKED HARD TO HELP HIM MATERIALIZE HIS VISION FOR THIS BUILDING.



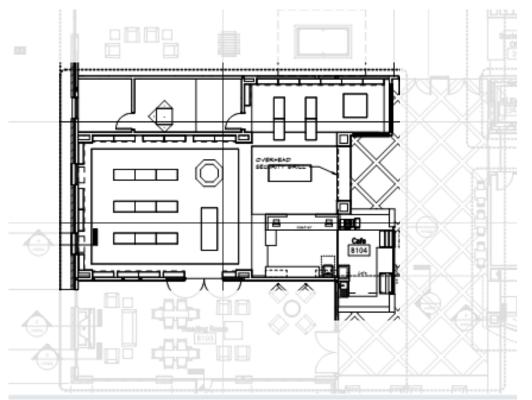


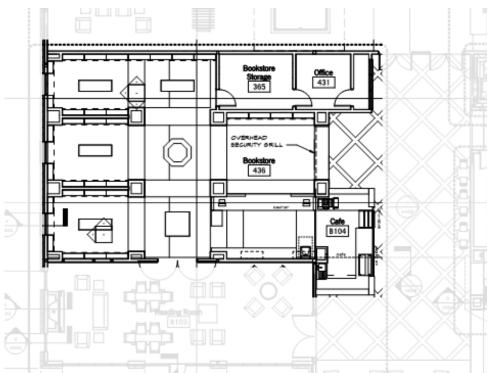


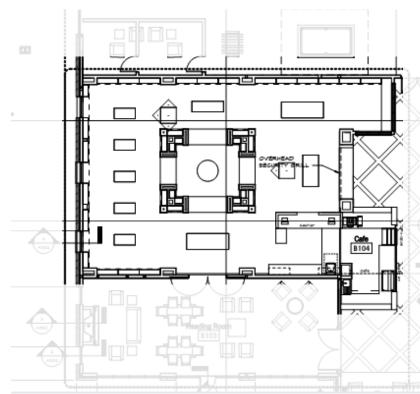


















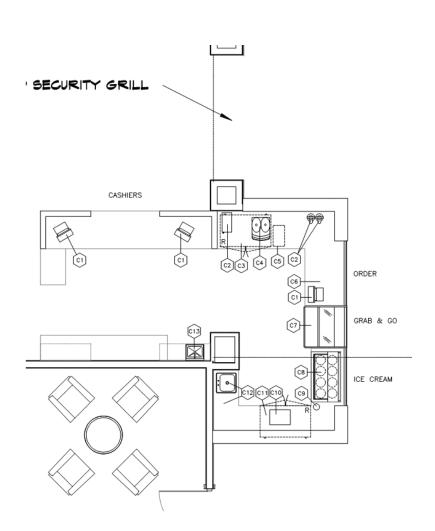
OPTION 01 OPTION 03

FLOORPLAN OPTIONS

I CALCULATED HOW MANY VOLUMES WE COULD HOLD ON ONE SHELVING UNIT, THEN CREATED OPTIONS BASED ON HOW WE WANTED TO MAKE THE SPACE FEEL. OPTION 01 WAS AN OPEN FLOOR PLAN, OPTION 02 CREATED SEMI-PRIVATE ALCOVES THAT HOUSED DIFFERENT TYPES OF BOOKS, AND OPTION 03 WAS A CENTERPIECE ELEMENT THAT PROVIDED AN ILLUSION OF A PRIVATE READING ROOM INSIDE. OPTION 02 WAS CHOSEN WITH MINOR REVISIONS.





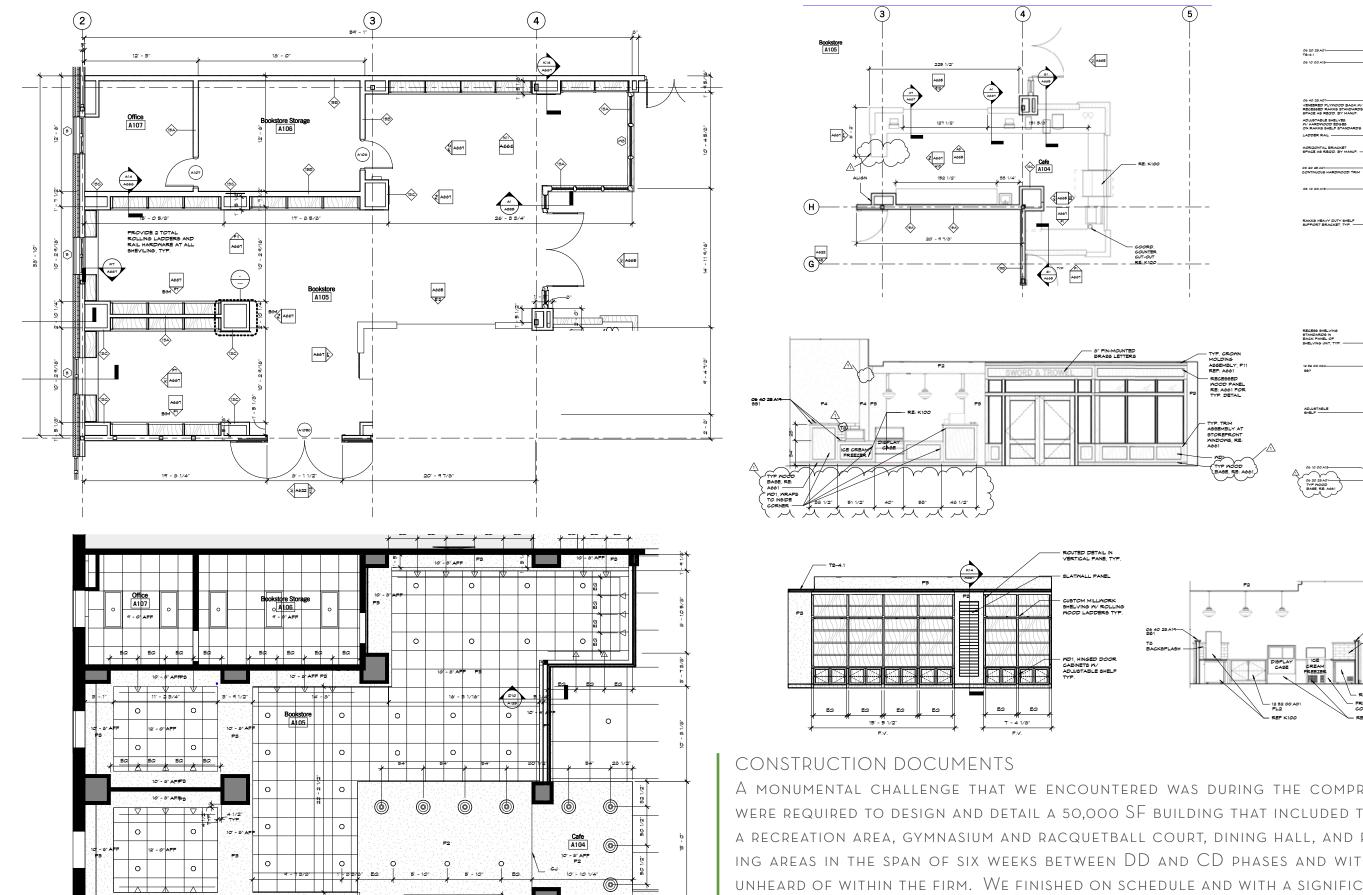






INSPIRATION

Looking beyond bookstore design, I investigated fashion retail design, particularly flagship Banana Republic stores. Their space divided departments into alcoves, while promoting an upscale and contemporary look. I then collaborated with our interiors team to tie in how the space could look as a bookstore. The cafe portion was a collaboration with our kitchen consultant to enable a space that can give quick access to coffee, while being one of the first spaces you see coming out the front door.



A MONUMENTAL CHALLENGE THAT WE ENCOUNTERED WAS DURING THE COMPRESSED CD PHASE. WE were required to design and detail a 50,000 SF building that included this cafe / bookstore, A RECREATION AREA, GYMNASIUM AND RACQUETBALL COURT, DINING HALL, AND PRIVATE RECEPTION DINing areas in the span of six weeks between DD and CD phases and with four people. A feat unheard of within the firm. We finished on schedule and with a significant amount of profit AND, IN THE PROCESS, WE WERE RECOGNIZED WITHIN THE FIRM AS A MODEL FOR TEAM COLLABORATION AND EFFICIENCY.







BRIARWOOD ELEMENTARY

SMSD BRIARWOOD ELEMENTARY CONCEPT DEVELOPMENT

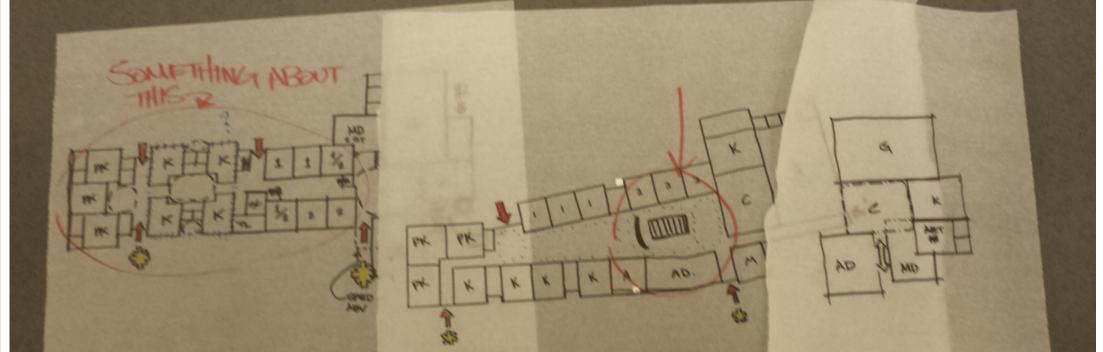
HOLLIS + MILLER ARCHITECTS
PRAIRIE VILLAGE, KS
COMPLETED 2016

A NEW ELEMENTARY SCHOOL WAS NEEDED TO REPLACE THE AGING, 1950'S FACILITY. THIS WAS A PROJECT THAT I WAS INVOLVED INITIAL PROGRAMMING TO THE START OF CONSTRUCTION DOCUMENTS. THERE WERE SOME OBSTACLES, INCLUDING AN INITIAL OPPOSITION TO THE FACILITY BY THE NEIGHBORHOOD WITH REGARDS TO THE GYMNASIUM, THE EXTERIOR BRICK COLOR, AND PROGRAMMING THE PUBLIC SPACES ON THE BUILDING'S WEST SIDE.



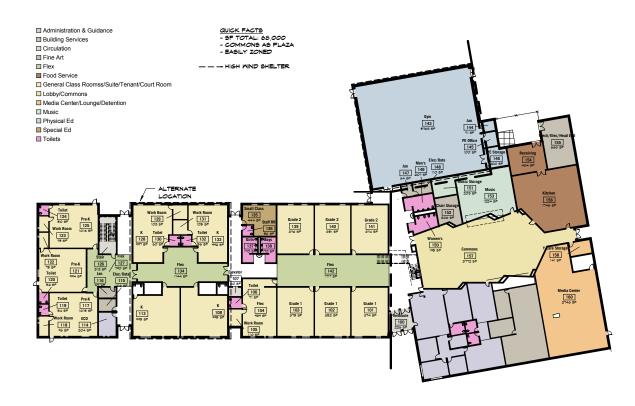






PROGRAMMING

Our first major challenge was to understand what we could do with the existing facilities. The gymnasium was the newest building and its floor was a gift from alumni, which the neighborhood wanted to keep. After unsuccessfully exhausting the program to fit within the constraint of keeping the gym, we came to a compromise to start from scracth, while reusing the gym floor in the new building. We further developed our blocks to fit the needs of our client, to create flexible zones in corridors that teachers and students can use to provide additional opportunities for learning.









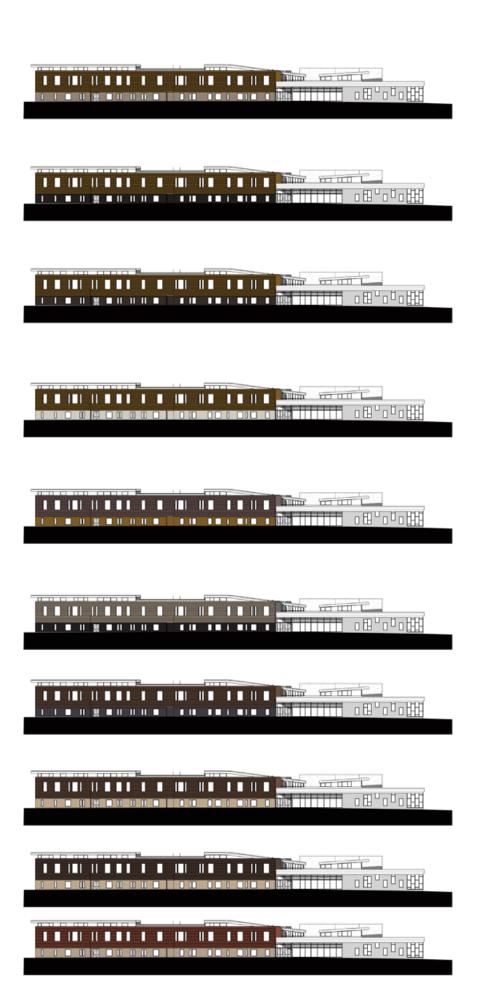






SCHEMATIC DESIGN

The initial plans started to develop and spaces started to form. A significant issue that developed over time with the old facility was the lack of capacity for a parent and bus pick-up loop. Many parents were parking in front of neighbors' houses to wait for their children. I was tasked to design a parking loop that fit on the site and accomposited parents, buses, and staff vehicles. Splitting the loop ensured between bus and car reduced congestion and simplified the after-school pick-up process.





DESIGN DEVELOPMENT

To ensure that our school had the right color brick scheme, we had ordered multiple brick samples from Endicated Brick, Shawnee Mission School District's brick vendor. We created multiple iterations of brick, including customizing the proportion of individual colors of brick from a sample. It was at this point I was designated to make the renderings for this project. To further cement the school's place in the neighborhood, I was asked to create diagrams that reinforced our design decisions for this project.



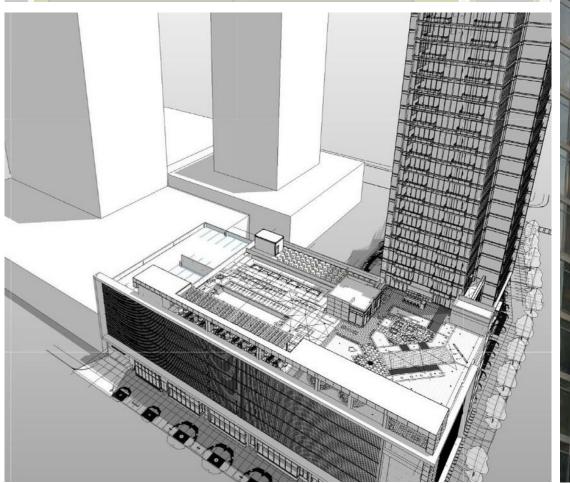


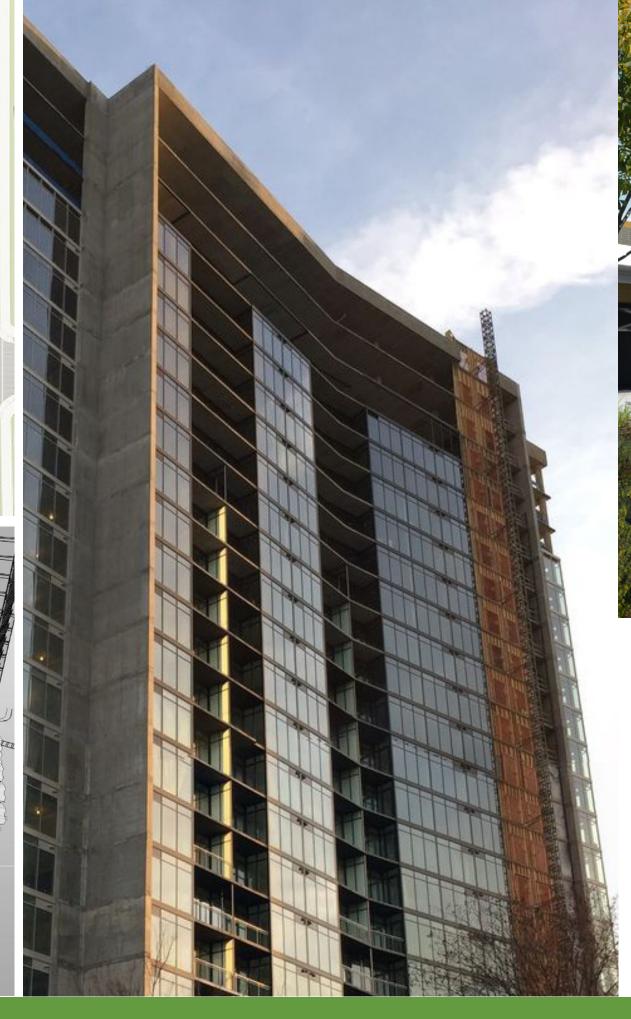
AMLI ARTS CENTER MIXED-USE HIGH RISE

Cooper Carry Atlanta, GA Under Construction - 2017

ENTERED PROJECT MID-DD TO LATE-CD PHASE. PRODUCTION OF DRAWINGS FOR TOWER, INITIAL DESIGN FOR PARKING GARAGE & BUILDING FACADE.











SMSD TRAILWOOD ELEMENTARY SCHOOL

HOLLIS + MILLER ARCHITECTS
PRAIRIE VILLAGE, KS
COMPLETED 2017

SISTER PROJECT TO SMSD BRIARWOOD ELEMENTARY, I HELPED WITH CONCEPT DEVEL-OPMENT AND RENDERINGS.















Ulrika Plaza Mixed-Use Project

Wald, Ruhnke & Dost Carmel-By-The-Sea, CA Under CD Phase

PROVIDED PRIMARY DESIGN &
RENDERING IN CONJUNCTION
WITH THE FIRM OWNER. MIXEDUSE COMPRISING OF TWO ARCHITECTURAL STYLES DUE TO CITY
CODE.





Exotic Car Showroom and Flats

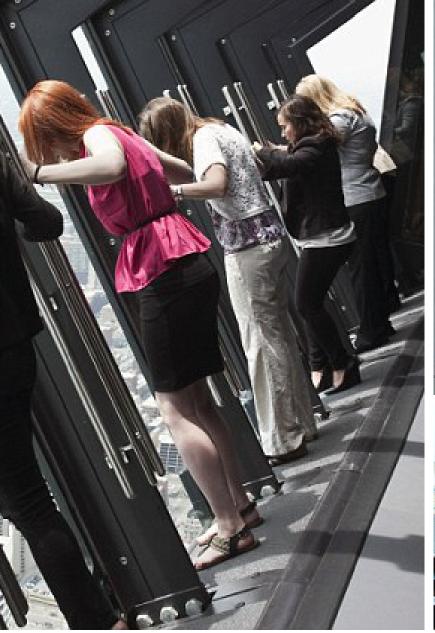
Wald, Ruhnke & Dost Monterey, CA Under DD Phase

PRIMARY DESIGN & RENDERS FOR UNIQUE UK-BASED CLIENT FOR A CAR MECHANIC T.I. AND REMODEL INTO AN EXOTIC CAR GARAGE/SHOWROOM & APARTMENTS.









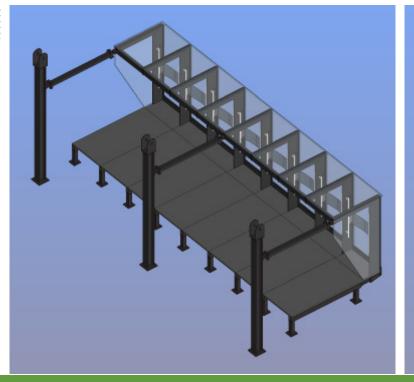


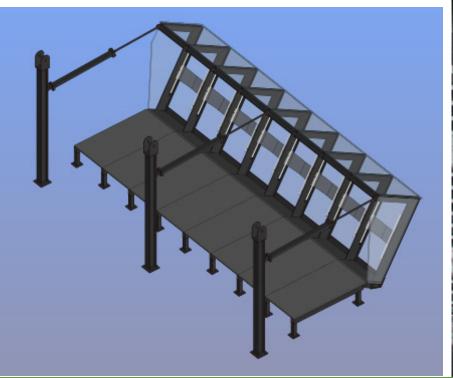


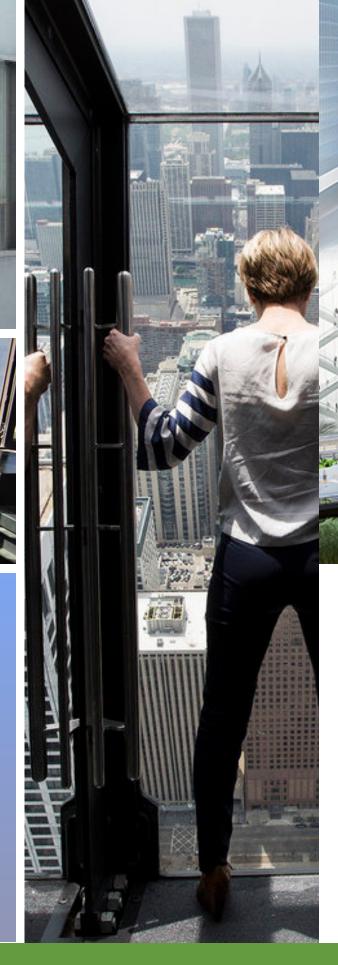
John Hancock Tower 360 TILT! Attraction

Thornton Tomasetti Chicago, IL Completed 2015

PROVIDED SITE VERIFICATION
AND SITE VISITS, INITIAL CONCEPT MODEL AND COLLABROATED WITH ENGINEERS TO RESOLVE
CONSTRUCTION DETAILS.







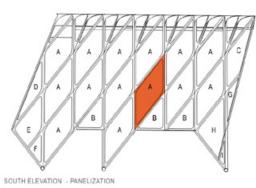


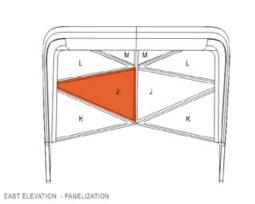


Thornton Tomasetti Summer 2013

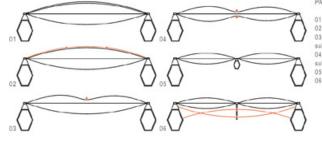
Provided diagramming and PRESENTATION PREP TO SUPPORT THE FIRM AS CONSULTANT FOR SEVERAL ETFE PROJECTS, INCLUDING THE MINNESOTA vikings stadium (now USBank STADIUM) AND THE SHED.



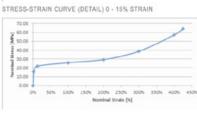




BUILDING SKIN PRACTICE Thornton Tomasetti



STRESS-STRAIN CURVE (DETAIL) 0 - 15% STRAIN



STRESS-STRAIN CURVE FOR ETFE (Kawabata & Nishikawa, 2008) First Yield Point Second Yield Point (2.3% - 16 MPa) (13% - 22 MPa)

PANEL TYPES

ETFE PROPERTIES

Dead Load (DL)
Dead load is very low and ignored in calculation

LOADING

Wind Load (WL) Wind Suction Wind Pressure

DESIGN CRITERIA

Allowable Stresses:

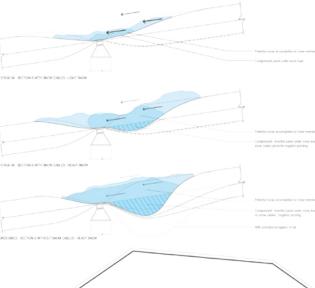
01 - 2 upper foils (aid wind suction load) 02 - integrated cable net following surface geometr 03 - integrated tension cable(s) above upper foil subdividing surface

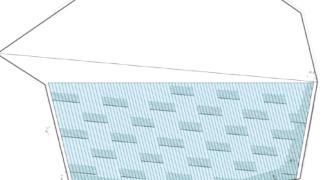
04 - integrated tension cable(s) above and below subdividing surface 05 - subdividing rigid secondary member 08 - subdividing tensile secondary member

= 700,000,000 N/m2 = 3,300,000 N/m2 = 17,500 N/m3

= 4.2 psf (200 N/m2)

= 35 psf (1676 N/m2) = 21 psf (981 N/m2)





OVERVIEW | STRUCTURAL ANALYSIS

HYCS | ETFE PROPERTIES / ANALYSIS

