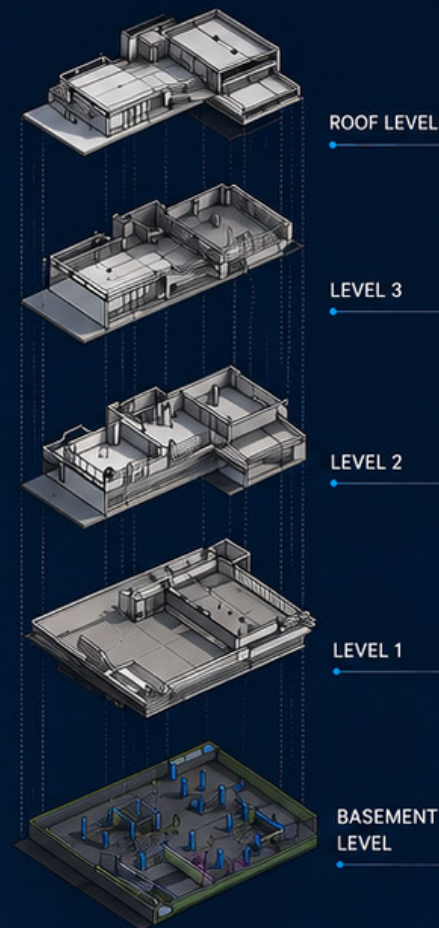


SDC
STUDIO

BIM PORTFOLIO

BUILDING INFORMATION MODELING • DOCUMENTATION • COORDINATION • VISUALIZATION



SCALABLE BIM SUPPORT FOR ARCHITECTURE FIRMS

10+ years of global BIM delivery experience, supported by 35+ years of local AEC consulting practice in Civil Engineering and Architecture.

WHY SDC?



Integrated Project Tracking System



Dedicated QA/QC Review



BIM 360 Collaboration



Sketch To BIM Documentation



Parametric Modelling



Python Scripting



Quantity Take Off

PROJECT EXPERIENCE

10+ Years | 15 BIM Professionals | 100+ Projects | 4 Office Locations



48
Hotels



08
Retail plaza



12
Daycare



15
Luxury Retail (Interiors)



04
Apartments



07
Townhomes



18
Gas Stations



03
4-Plex & 5-Plex



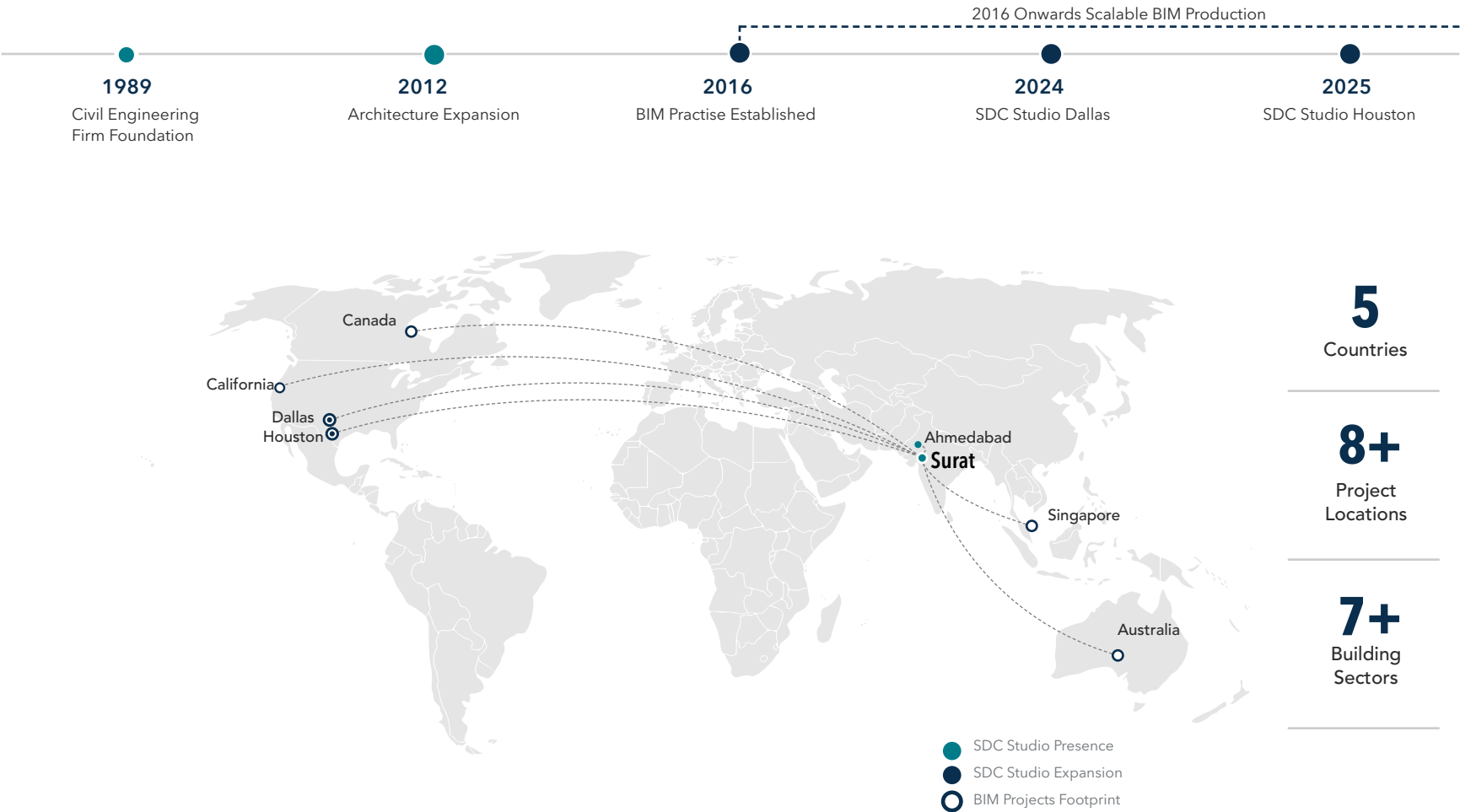
02
Swim Schools



03
Assisted Living

SDC BIM DELIVERY JOURNEY

FROM ARCHITECTURE/CIVIL ROOTS TO SCALABLE BIM DELIVERY ACROSS GLOBAL PROJECT MARKETS



HIGHLIGHTS

01



HIGH-END MIXED USE



02



LUXURY RETAIL SHOWROOM



03



COMMERCIAL OFFICE BUILDING



04



COMMERCIAL RETAIL BUILDING



05



LUXURY HOTEL



01. HIGH-END MIXED USE

ARCHITECTURAL BIM MODELING + CONSTRUCTION DOCUMENTATION SUPPORT

A multilevel BIM model organized basement parking, tenant shell spaces, exterior terraces, rooftop areas, and vertical circulation within a compact mixed-use development.

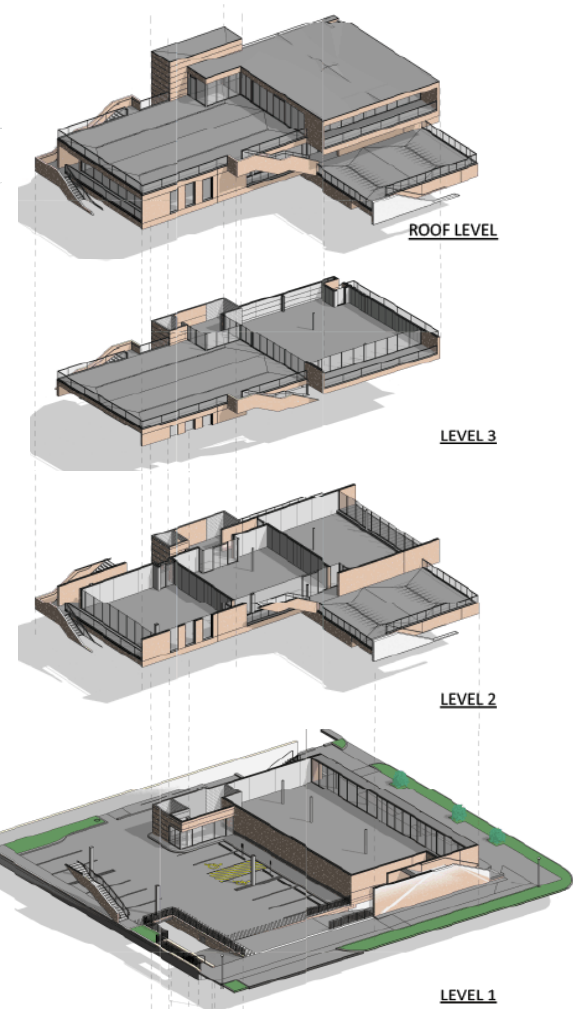
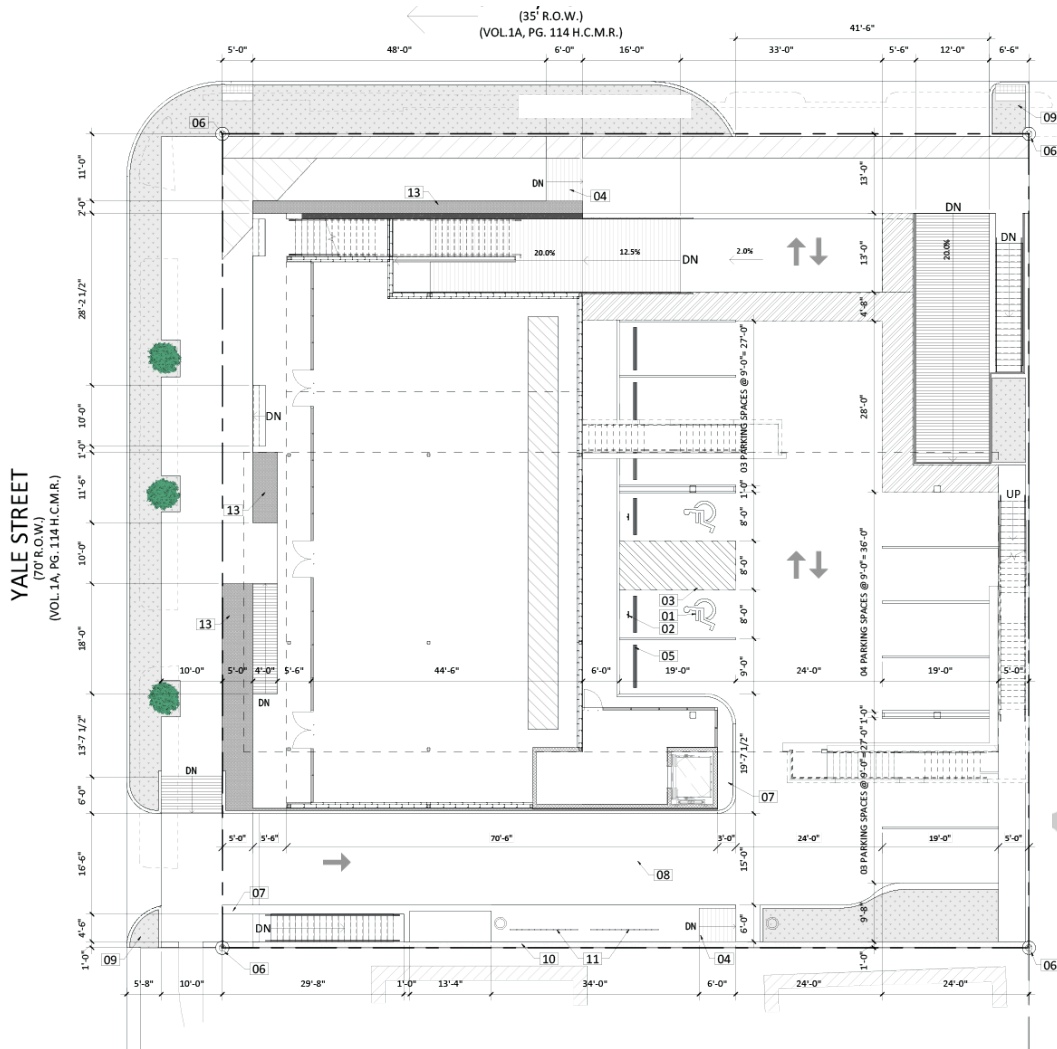
**TYPE**
Commercial+Retail

**AREA**
8654 SQ.FT

**LOD**
350

**SERVICES**
Architectural BIM Modeling
3D Structural BIM Modeling
3D MEP BIM Modeling
Construction Documentation

**SOFTWARE**
Revit
AutoCAD



OUR PROCESS

MODEL STRUCTURE

- Basement-to-roof level hierarchy
- Tenant shell, terrace, and roof zones
- Architectural and consultant model links

COORDINATION PRIORITIES

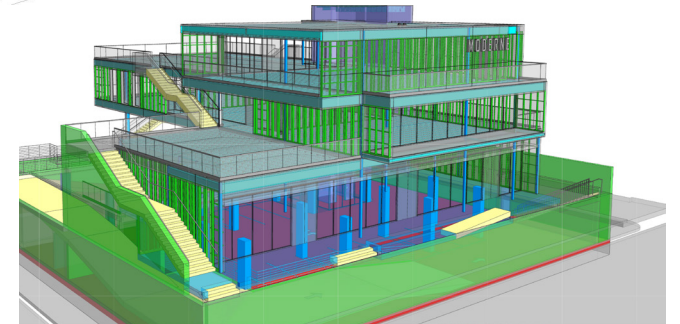
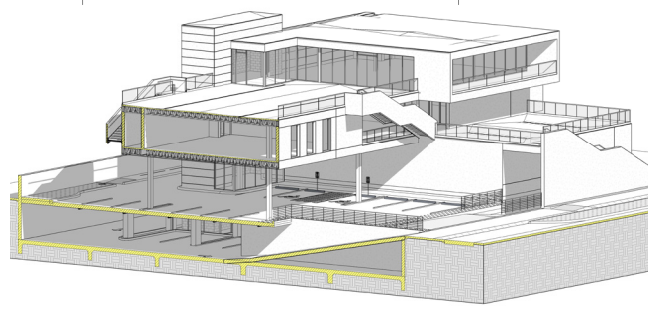
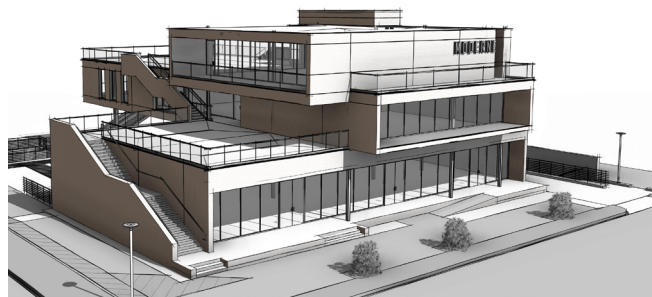
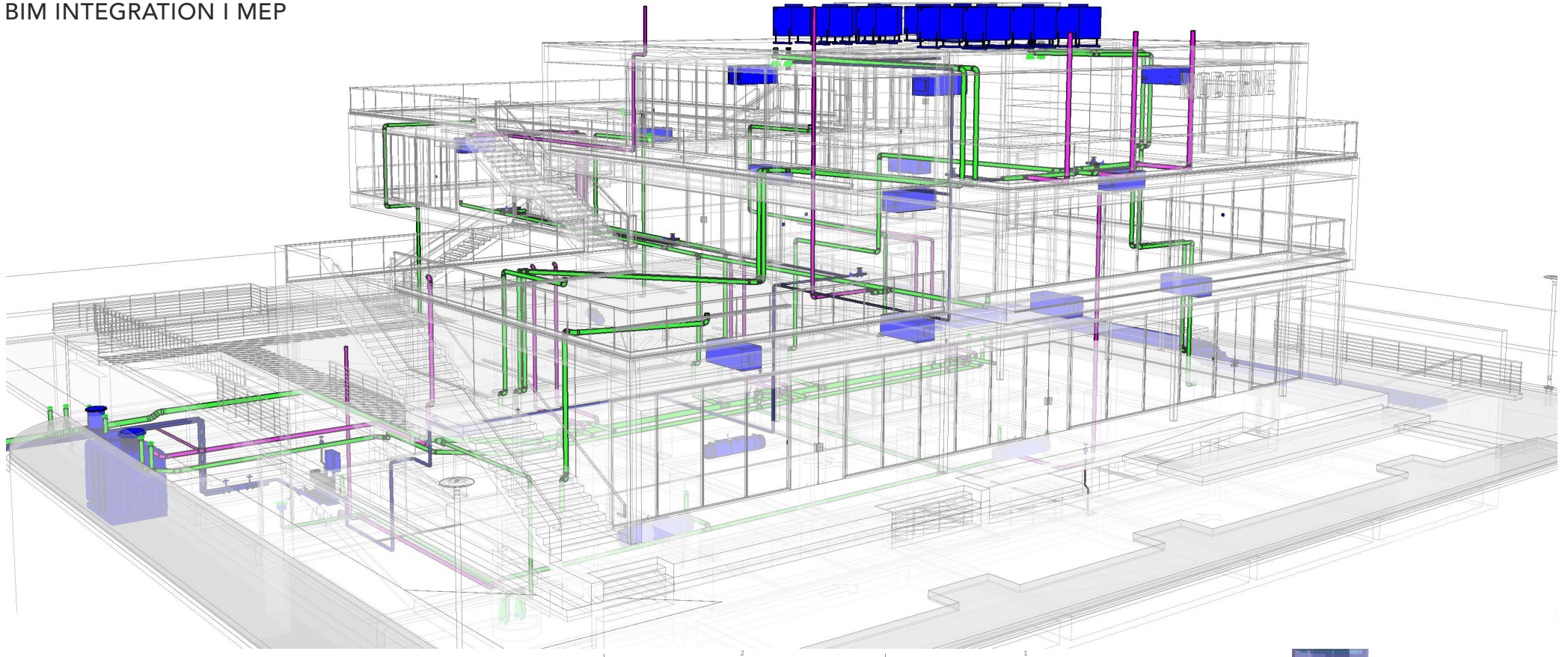
- Ramp and floor-level transitions
- Vertical circulation and exterior access
- Rooftop equipment and drainage interfaces

DELIVERY CONTROLS

- Milestone-based model reviews
- Model-to-drawing verification
- Revision and issue-package tracking



BIM INTEGRATION | MEP



BIM SCOPE



ARCHITECTURAL MODEL

- Floor plates, cores, and circulation
- Façades, openings, and wall systems
- Terraces, parapets, and roof geometry



MULTIDISCIPLINARY INTEGRATION

- Structural grid and column interfaces
- Mechanical equipment and service zones
- Plumbing drainage and penetrations

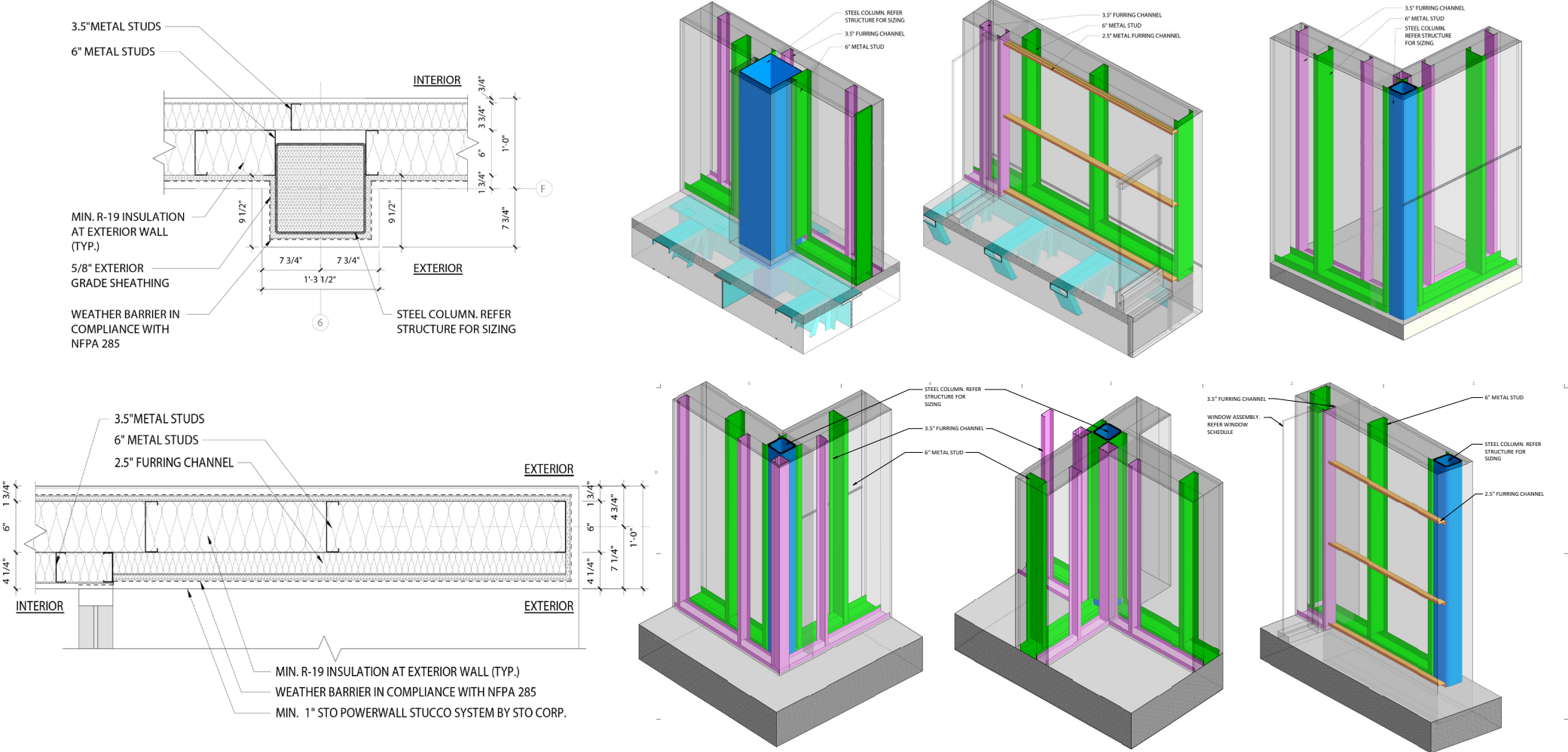


DOCUMENTATION

- Plans, sections, and elevations
- Schedules, assemblies, and details
- Permit drawing package



WALL ASSEMBLY DETAILS



VALUE DELIVERY

A WALL ASSEMBLY

- Exterior wall build-up definition
- Storefront and opening transitions
- Parapet and roof-edge conditions

A MEP INTERFACES

- Equipment-to-roof coordination
- Drainage-route alignment
- Penetration and clearance review

A DOCUMENT CONTROL

- Cross-view geometry alignment
- Detail-to-model consistency
- Coordinated submission package



02. LUXURY RETAIL SHOWROOM

ARCHITECTURAL + INTERIOR BIM MODELING + CONSTRUCTION DOCUMENTATION SUPPORT

A three-story retail addition replaces an existing corner tenant space with a double-height ground floor, mezzanine, upper levels, terrace, and elevator. BIM coordination focused on new-to-existing interfaces, vertical circulation, and roof-level egress.



TYPE
Retail Architecture+Interior



AREA
3870 SQ.FT



LOD
400



SERVICES
Architectural BIM Modeling
Interior BIM Modeling
3D Visualization
Construction Documentation



SOFTWARE
Revit
AutoCAD
Lumion



OUR PROCESS

EXISTING BUILDING INTEGRATION

- Modeled existing tenant conditions
- Coordinated selective demolition
- Resolved new-to-existing interfaces

DESIGN TRANSLATION

- Modeled three-story architecture and interiors
- Developed double-height space and mezzanine
- Integrated façade, terrace, and retail elements

DESIGN REALIZATION

- Coordinated elevator, egress, and roof path
- Architectural, structural, and MEP interfaces
- Parametric modeling to complex design elements

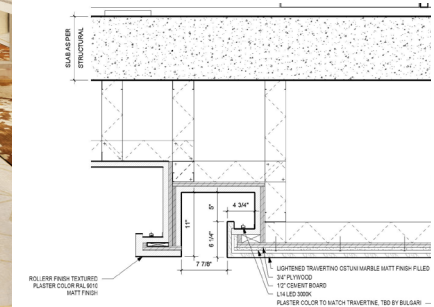
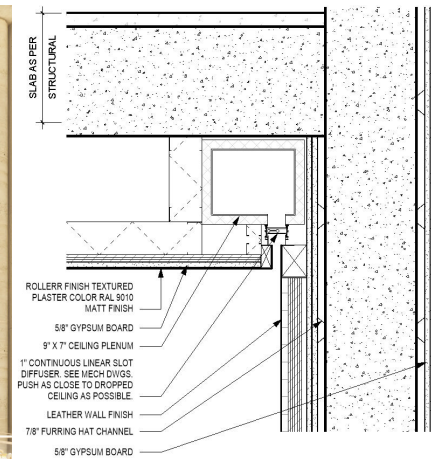
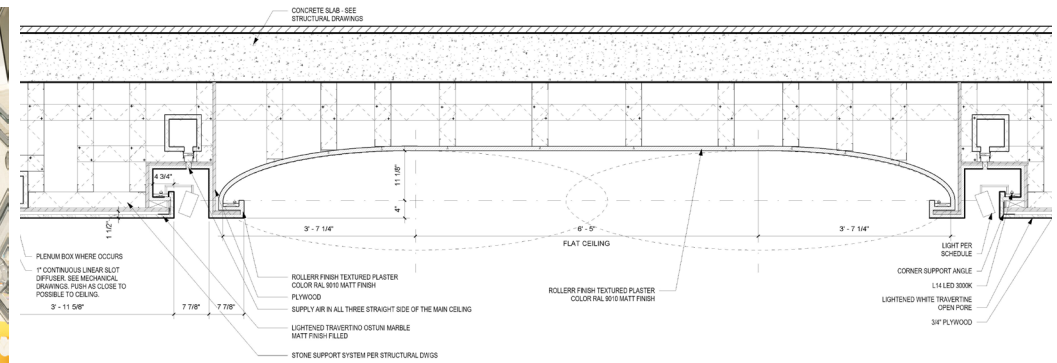
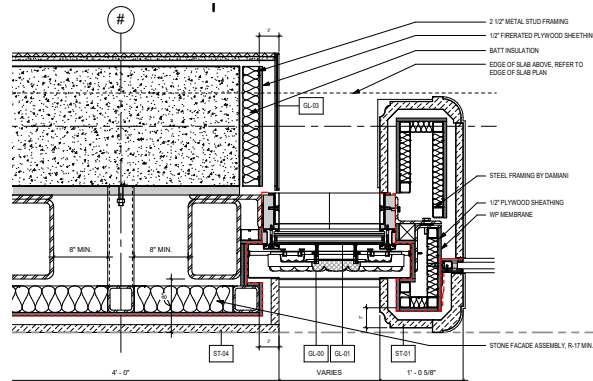
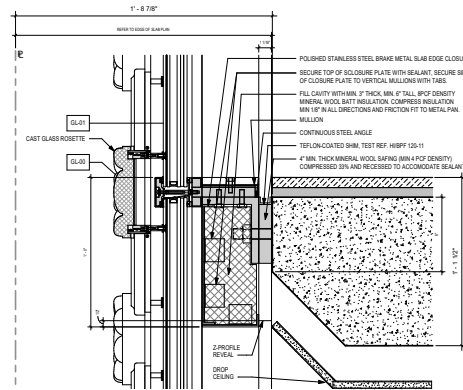


Technical drawing of a glass flower bracket assembly. The drawing includes a side view (top) and a front view (bottom). Dimensions are provided in inches: 1.75" for the top width, 4" for the bracket width, and 1.50" for the bottom height. Labels identify components: GL-01 (Glass Connection), PFB BRACKET GLEUED TO THE GLASS CONNECTION, GL-02 (Glass Flower), ALUMINUM BRACKET (PAINTED TO THE GLASS FLOWERS BRACE), ALUMINUM LEDGERS, PFB BRACKET GLEUED ON THE GLASS FLOWER, SCREW M3, MID STEEL PIN, and MID STEEL PIN (SWISSLOCK PINN CONNECTOR).

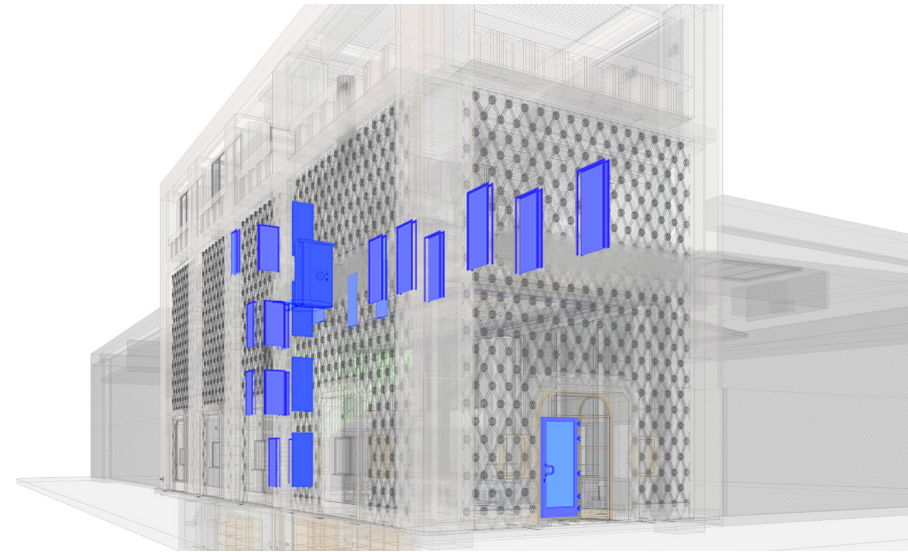
Diagram illustrating the assembly components and steps for the glass flower:

- PRIS BRACKET GLUED TO GLASS CONNECTOR
- GLASS CONNECTOR
- MID FILLET PIN - EMBEDDED FIRING CONNECTOR
- BLUTTED HOLE AT THE BRACKET CONNECTION TO PERMIT THERMAL MOVEMENTS BETWEEN FLOWERS AND BRACKETTIES
- ALUMINUM BRACKET FASTENED TO GLASS FLOWERS BRACKET
- ALUMINUM LEAD RINGS
- PRIS BRACKET GLUED TO GLASS FLOWER
- GLASS FLOWER

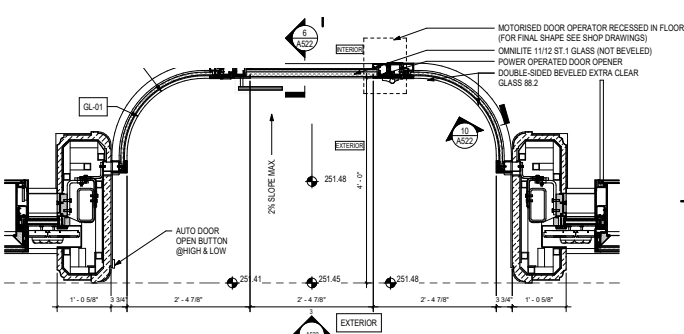
Diagram illustrating a horizontal millon with a steel angle continuous between intersecting millons. The diagram shows a cross-section of the millon structure. The horizontal millon is shown with a steel angle continuous between intersecting millons. The vertical dimension is labeled as 7 1/8" and 5 3/8". The horizontal dimension is labeled as 1" - 9 1/4" MIN.



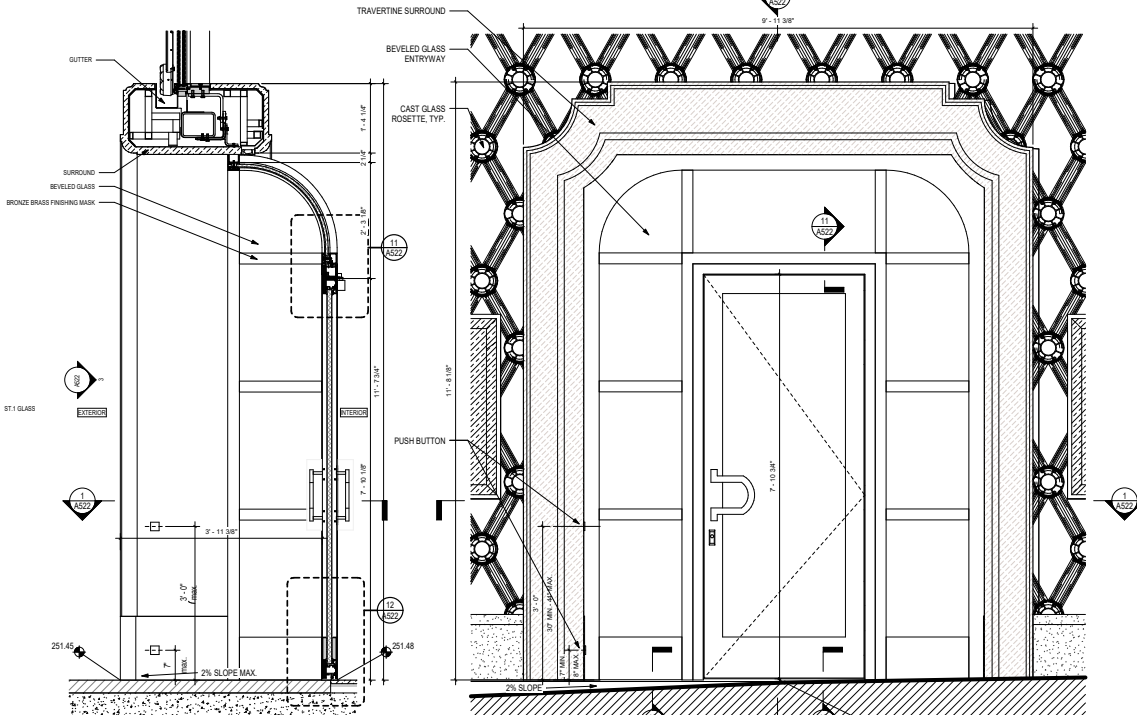
DOOR-WINDOW SCHEDULES & DETAILS



DOOR SCHEDULE																			
MARK	TYPE	ROOM NAME	LOCATION		DOOR SIZE		MATERIAL / FINISH			DETAILS		FIRE	RESPONSIBILITY	RESPONSIBILITY		REMARKS			
			RM	RM	W	H	D	RM/FSH	RM/FSH	PANEL	FRAME	HEAD	JAMB	SILL	RATING		PROVIDE	FUNCTION	INSTALL
BASEMENT (242.48)																			
002	D-03	BASEMENT STAIR	001	002	3'-0"	6'-8"	0'-1 3/4"	001 / PT	002 / PT	MTL	HM	8/A602	8/A602	6/A602	60 MIN	GC	F	GC	PT TO BE SELECTED BY GREEN
003	D-03	ELEVATOR MACHINE ROOM	003	002	3'-0"	6'-8"	0'-1 3/4"	002 / PT	003 / PT	MTL	HM	8/A602	8/A602	6/A602	60 MIN	GC	F	GC	PT TO BE SELECTED BY GREEN
FIRST FLOOR 251.48 (251'-5 3/4")																			
101	D-21	FIRST FLOOR STAIR	101	103	3'-4"	8'-0"	0'-1 3/4"	101 / WW	103 / EM	WD	MTL				60 MIN	GC	D	GC	1
101A	D-03	FIRST FLOOR STAIR	101	101	3'-0"	7'-0"	0'-1 3/4"	101 / WW	101 / WW	WD	HM	8/A602	8/A602	11/A602	60 MIN	GC	D	GC	
102	D-03	ALCOVE	102	101	3'-0"	7'-0"	0'-1 3/4"	102 / WW	101 / WW	WD	HM	8/A602	8/A602	6/A602	60 MIN	GC	E	GC	5
MEZZANINE																			
111	D-21	MEZZANINE STAIR	111	114	3'-4"	8'-0"	0'-1 3/4"	111 / WW	114 / EM	WD	MTL	3/A602	5/A602	1/A602	60 MIN	GC	D	GC	1
111A	D-03	MEZZANINE STAIR	111	115	3'-0"	7'-0"	0'-1 3/4"	111 / WW	115 / WW	WD	MTL				60 MIN	GC	D	GC	
112	D-03	MECH/ELEC ROOM	112	115	3'-0"	7'-0"	0'-1 3/4"	112 / PT	115 / PT	MTL	HM				60 MIN	GC	D	GC	
113	D-03	CLOSET	113	115	3'-0"	7'-0"	0'-1 3/4"	113 / PT	115 / PT	MTL	HM					GC	F	GC	
FLOOR 2																			
201	D-21	SECOND FLOOR STAIR	201	203	3'-4"	8'-0"	0'-1 3/4"	201 / WW	203 / EM	WD	MD	3/A602	5/A602	1/A602	60 MIN	GC	D	GC	1
201A	D-03	SECOND FLOOR STAIR	201	219	3'-0"	7'-0"	0'-1 3/4"	219 / WW	201 / WW	WD	HM	8/A602	8/A602	11/A602	60 MIN	GC	D	GC	
202	D-03	CHANGING ROOM	202	215	3'-0"	7'-0"	0'-1 3/4"	215 / WW	202 / WW	WD	HM	8/A602	8/A602	6/A602	60 MIN	GC	F	GC	
204	D-04	CUSTOMER RESTROOM	204	217	3'-0"	7'-0"	0'-1 3/4"	204 / WW	217 / WW	WD	HM	8/A602	8/A602	11/A602		MM	F	MM	
205	D-03	MANAGER'S OFFICE	205	215	3'-0"	7'-0"	0'-1 3/4"	205 / WW	215 / WW	WD	HM	8/A602	8/A602	8/A602		GC	F	GC	
206	D-03	MECHANICAL ROOM	206	215	3'-0"	7'-0"	0'-1 3/4"	206 / WW	215 / WW	WD	HM				60 MIN	GC	D	GC	
207	D-03	IT / SECURITY ROOM	207	215	3'-0"	7'-0"	0'-1 3/4"	207 / WW	215 / WW	WD	HM				60 MIN	GC	F	GC	
209	D-03	DIRECTOR'S OFFICE	209	215	3'-0"	7'-0"	0'-1 3/4"	209 / WW	215 / WW	WD	HM					GC	F	GC	
210	D-03	VAULT ROOM	210	215	3'-0"	7'-0"	0'-1 3/4"	210 / WW	215 / WW	WD	HM	8/A602	8/A602	8/A602		GC	D	GC	
210A	D-36	VAULT	211	210	3'-8 19/32"	7'-0"	0'-1 3/4"	210 / -	211 / -								VAULT CONTRACTOR	VAULT CONTRACTOR	10
212	D-24	AFTER SALES	212	217	3'-0"	7'-0"	0'-1 3/4"	212 / WW	217 / WW	WD						MM	D	MM	
212A	D-24	POLISH	212A	217	3'-0"	7'-0"	0'-1 3/4"	212A / WW	217 / WW	WD						MM	D	MM	
213	D-03	CLOSET	213	219	3'-0"	7'-0"	0'-1 3/4"	213 / WW	219 / WW	WD	HM	8/A602	8/A602	11/A602	60 MIN	GC	F	GC	
214	D-03	STAFF RESTROOM	214	219	3'-0"	7'-0"	0'-1 3/4"	214 / WW	219 / WW	WD	HM	8/A602	8/A602	6/A602	60 MIN	GC	F	GC	9
215	D-03	HALLWAY	217	215	3'-0"	7'-0"	0'-1 3/4"	217 / WW	215 / WW	WD	WD				60 MIN	GC	D	MM	2
217	D-03	HALLWAY	217	203	3'-0"	7'-0"	0'-1 3/4"	217 / WW	203 / WW	WD	WD					MM	F	MM	
218	D-23	AFSS RECEPTION	218	203	3'-4 1/2"	8'-0"	0'-1 3/4"	218 / EM	203 / EM	MTL		10/A602	7/A602			MM	F	MM	
FLOOR 3																			
301A	D-21	THIRD FLOOR STAIR	301	304	3'-4"	8'-0"	0'-1 3/4"	301 / WW	304 / EM	WD	MD	3/A602	5/A602	1/A602	60 MIN	GC	C	GC	1
302A	D-03	PANTRY	302	301	3'-0"	7'-0"	0'-1 3/4"	302 / WW	301 / WW	WD	WD	8/A602	8/A602	11/A602	60 MIN	GC	D	GC	1
303	D-03	ROOF ACCESS HATCH	303	302	3'-0"	6'-8"	0'-2"	303 / PT	302 / PT	WD	WD	8/A602	8/A602	11/A602		GC	G	GC	
304B	D-44	TERRACE VIP SALES	304	EXT	12'-6"	10'-0 5/8"	0'-2 11/32"	EXT / AL/GL	304 / AL/GL	GL	AL				60 MIN	NANA WALL		NANA WALL	
305	D-03	TERRACE	305	EXT	3'-0"	10'-0 5/8"	0'-1 3/4"	305 / PT	EXT / PT	HM	HM	8/A602	8/A602	8/A602	60 MIN	GC	A	GC	
306	D-44	THIRD FLOOR STAIR	301	EXT	12'-6"	10'-0 5/8"	0'-2 11/32"								60 MIN				
308	D-46	TERRACE	305	304	22'-0"	10'-0 5/8"	0'-2 11/32"	304/AL/GL	305/AL/GL	GL	AL					NANA WALL	B	NANA WALL	



1 ENTRY JAMB (MATERIALS PROVIDE BY OWNER'S VENDOR)
SCALE: 1" = 1'-0"



6 ENTRY SECTION
SCALE: 1" = 1'-0"

3 ENTRY ELEVATION (MATERIALS PROVIDE BY OWNER'S VENDOR)
SCALE: 1" = 1'-0"

VALUE DELIVERY

A

SIGNATURE ENVELOPE

- Exterior wall build-up definition
- Storefront and opening transitions
- Parapet and roof-edge conditions

A

PARAMETRIC EFFICIENCY

- Developed adaptable millwork families
- Supported rapid design revisions
- Maintained documentation consistency

A

MODEL-DRIVEN SCHEDULES

- Door, window, and equipment schedules data
- Floor-finish schedules coordinated with rooms
- Ceiling-finish schedules aligned with RCP

03. COMMERCIAL OFFICE BUILDING

ARCHITECTURAL BIM MODELING + CONSTRUCTION DOCUMENTATION SUPPORT

A modern commercial development designed for visibility, flexibility, and performance. The building features contemporary façade with premium materials, efficient layouts, and enhanced circulation.



TYPE
Retail Architecture+Interior



AREA
39,303 SQ.FT



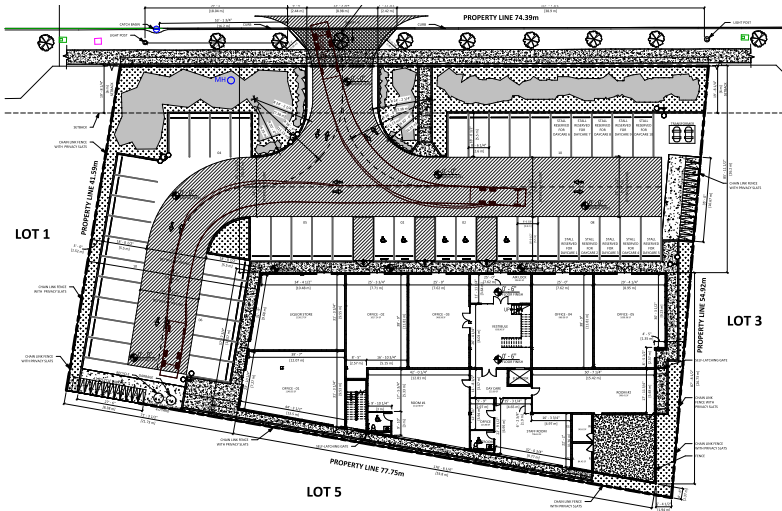
LOD
350



SERVICES
Architectural Visualization
BIM Modeling
BIM Coordination



SOFTWARE
Revit
AutoCAD



OUR PROCESS

- ⌘ SITE + PROGRAM + CODE TO BIM
 - Review requirements and permit deliverables
 - Establish standards and project templates
 - Define responsibilities, milestones, and LOD
- ⌘ MODEL COORDINATION
 - Translate designs into coordinated models
 - Coordinate architecture and building systems
 - Resolve spatial and component conflicts
- ⌘ QUALITY CONTROL
 - Generate drawings directly from models
 - Audit dimensions, annotations, and references
 - Manage revisions across all sheets



PROJECT BROWSER & SHEET SETUP



Search

Views (GA-Sort)

Architectural

00. WORKING

+ Floor Plans

01. DETAILS - SHEETED

+ Floor Plans

+ Sections

+ Detail Views

+ Drafting Views

10. FLOOR PLANS

+ Floor Plans

+ 30. EXTERIOR ELEVATIONS

+ 35. BUILDING SECTIONS

+ 36. WALL SECTIONS

40. ENLARGED PLANS

+ Floor Plans

+ ENLARGED VIEW

+ ENLARGED WAS

+ MAIN FLOOR Cc

+ 40. INTERIOR ELEVATIONS

+ ???

+ GA-50 WINDOWS ELEVAT

+ Coordination

+ Legends

+ Schedules/Quantities (all)

+ Door Schedule

+ Sheet List

+ WINDOWS SCHEDULE

+ A0.0 - COVER

+ A1.0 - SITE PLAN

+ A2.0 - MAIN FLOOR

+ A2.1 - SECOND FLOOR

+ A2.2 - THIRD FLOOR

+ A3.0 - ROOF PLAN

+ A4.0 - ELEVATIONS

+ A4.1 - ELEVATIONS

+ A4.2 - ELEVATIONS DETAIL

+ A5.0 - SECTIONS

+ A6.0 - DOOR AND WINDOW SCHEDULE

+ A7.0 - WALL SECTIONS

+ A7.1 - WALL SECTIONS

+ A8.0 - WASHROOM INTERIOR ELEVATION

+ A8.1 - WASHROOM INTERIOR ELEVATION

+ A9.0 - STAIR DETAILS

+ A9.1 - STAIR DETAILS

+ A9.2 - DETAILS

+ A9.3 - DETAILS

+ A9.4 - DETAILS

+ A9.5 - ELEVATOR DETAILS

Sheets (GA-Sort)

ARCHITECTURAL

+ A0.0 - COVER

+ A1.0 - SITE PLAN

+ A2.0 - MAIN FLOOR

+ A2.1 - SECOND FLOOR

+ A2.2 - THIRD FLOOR

+ A3.0 - ROOF PLAN

+ A4.0 - ELEVATIONS

+ A4.1 - ELEVATIONS

+ A4.2 - ELEVATIONS DETAIL

+ A5.0 - SECTIONS

+ A6.0 - DOOR AND WINDOW SCHEDULE

+ A7.0 - WALL SECTIONS

+ A7.1 - WALL SECTIONS

+ A8.0 - WASHROOM INTERIOR ELEVATION

+ A8.1 - WASHROOM INTERIOR ELEVATION

+ A9.0 - STAIR DETAILS

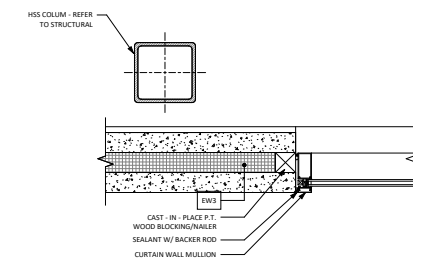
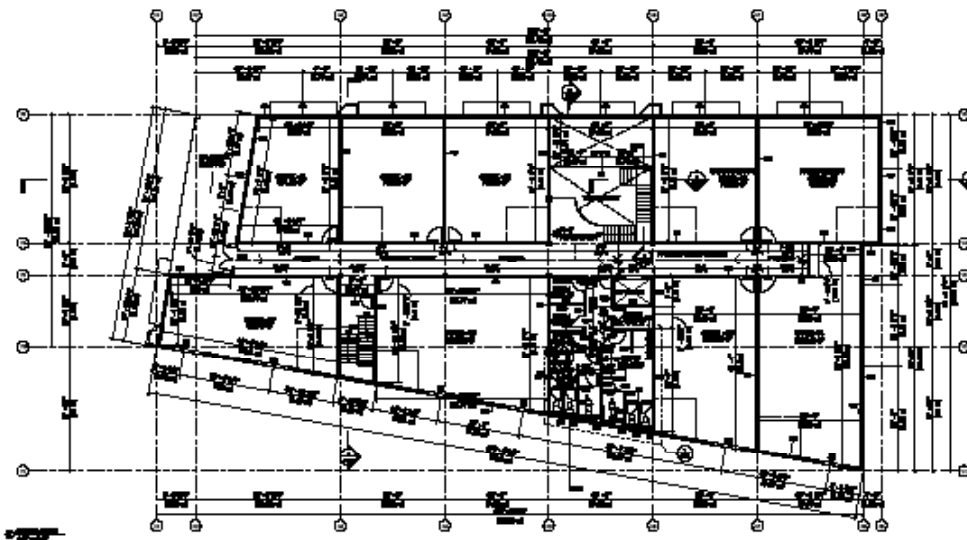
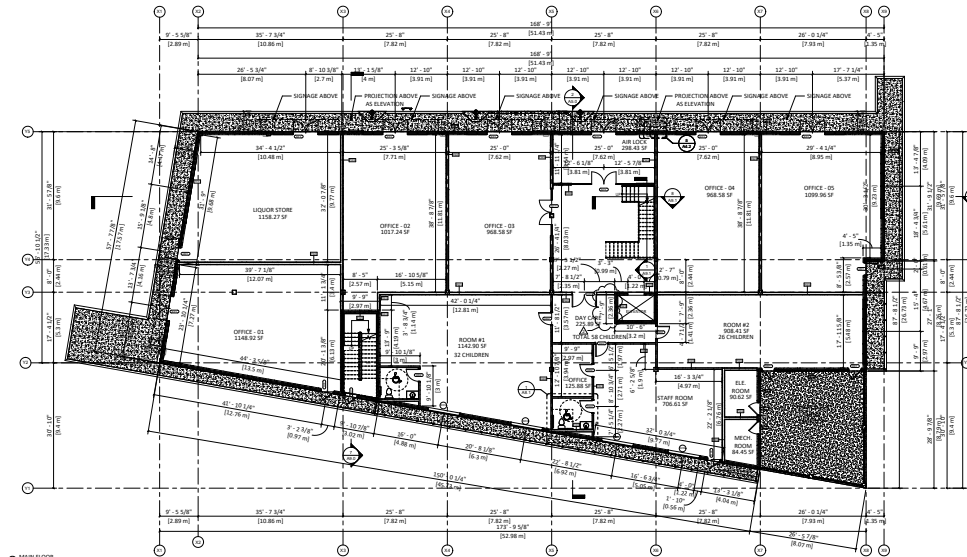
+ A9.1 - STAIR DETAILS

+ A9.2 - DETAILS

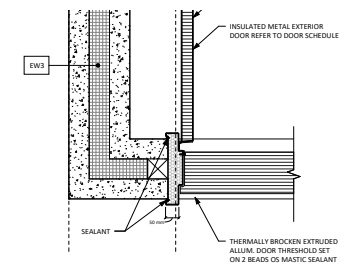
+ A9.3 - DETAILS

+ A9.4 - DETAILS

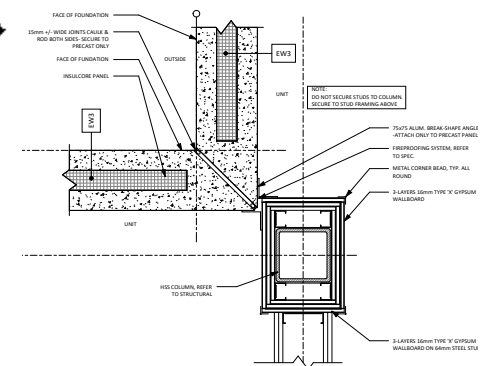
+ A9.5 - ELEVATOR DETAILS



WINDOW JAMB DETAIL



DOOR JAMB DETAIL



INTERIOR CORNER WALL DETAIL



BIM SCOPE

ARCHITECTURAL MODELING

- Site and Three storey building model
- Facade storefront with stucco and Lux Panel
- Enlarge elevations and sections

COMPONENTS & ASSEMBLIES

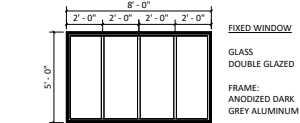
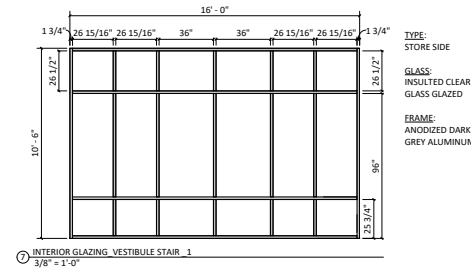
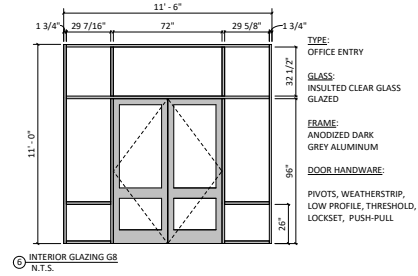
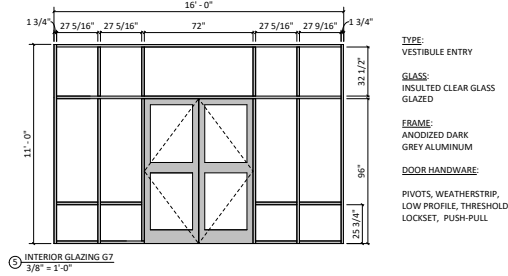
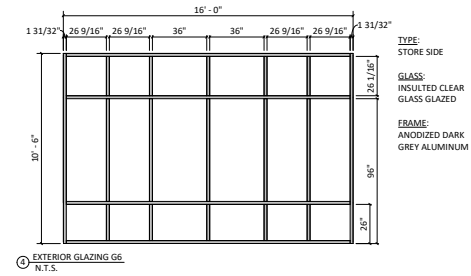
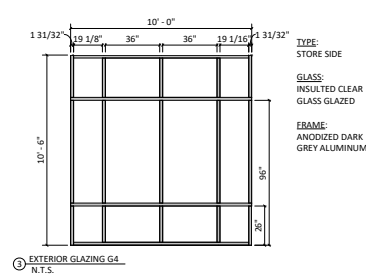
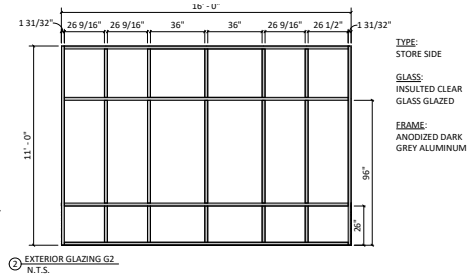
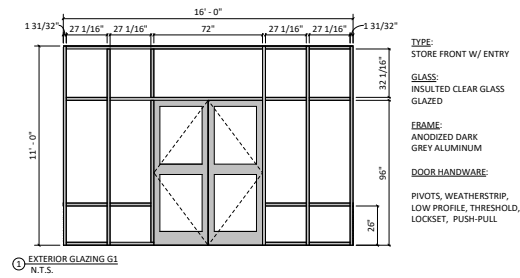
- Envelope and storefront assemblies
- Parametric reusable building components
- Stairs, elevators, and washrooms

DOCUMENTATION & SCHEDULES

- Wall assembly schedule
- Door-Window schedule
- Enlarge Restrooms

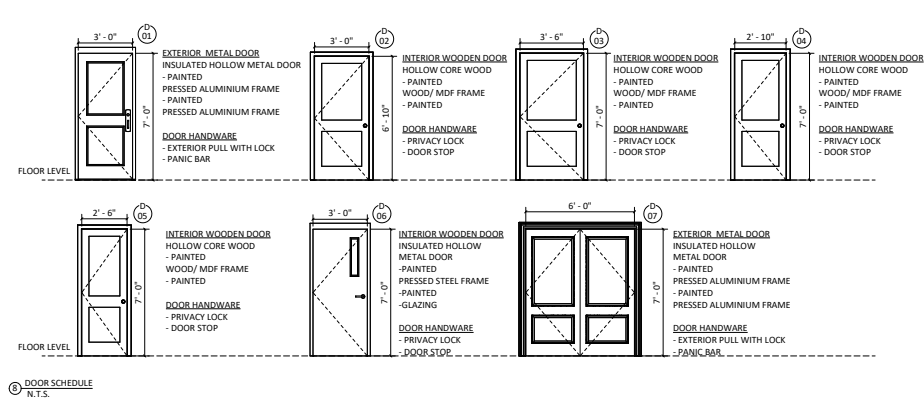


SCHEDULES & QUANTITY TAKE OFF



WINDOWS SCHEDULE							
TYPE	WIDTH	HEIGHT	WINDOWS		GLAZING	FRAME	
			MATERIAL	FIN		MATERIAL	FIN
W01	8'-0"	5'-0"	ALUMINUM	ANODIZED	DGSU	ALUMINUM	ANODIZED

8 WINDOW SCHEDULE
N.T.S.



9 DOOR SCHEDULE
N.T.S.

WALL ASSEMBLY

TYPE ASSEMBLY DIAGRAM KEY MATERIALS

EXTERIOR WALLS			
EW3			- 3" CONCRETE - 3" RIGID INSULATION - 3" CONCRETE
EW2			- 1/2" STUCCO - 1" RIGID INSULATION - 5/8" GYPSUM WALLBOARD - 5 1/2" METAL STUD - 5/8" GYPSUM WALLBOARD
INTERNAL WALLS			
CW3			- 5/8" GYPSUM WALLBOARD - 3 1/2" METAL STUD - 5/8" GYPSUM WALLBOARD
PARTITION WALLS			
PW1			- 5/8" GYPSUM WALLBOARD - 5/8" GYPSUM WALLBOARD - 5 1/2" METAL STUD - 5/8" GYPSUM WALLBOARD - 5/8" GYPSUM WALLBOARD
RW2			- 5/8" GYPSUM WALLBOARD - 3 1/2" METAL STUD - 5/8" GYPSUM WALLBOARD - 5/8" GYPSUM WALLBOARD
RW4			- 5/8" GYPSUM WALLBOARD - 5 1/2" METAL STUD - 5/8" GYPSUM WALLBOARD - 5/8" GYPSUM WALLBOARD
RW6			- 5/8" GYPSUM WALLBOARD - 5 1/2" METAL STUD - 5/8" GYPSUM WALLBOARD

VALUE DELIVERY

WALL SYSTEM INTEGRATION

- Coordinate exterior and interior assemblies
- Resolve structural and envelope interfaces
- Align openings, finishes, and insulation

FLOOR ASSEMBLY INTEGRATION

- Coordinate structural floor build-ups
- Integrate finishes, slabs, and ceilings
- Resolve levels, openings, and transitions

MODERN FAÇADE INTEGRATION

- Model contemporary façade geometry
- Coordinate glazing, panels, and structure
- Resolve joints, edges, and transitions

04. COMMERCIAL RETAIL BUILDING

ARCHITECTURAL BIM MODELING + CONSTRUCTION DOCUMENTATION SUPPORT

Architectural BIM development and construction documentation for a one-story, 7,113-square-foot commercial building comprising a convenience store and future retail tenant shell. The model integrates floor planning, equipment, life safety, roof drainage, exterior envelope systems, elevations, sections, and consultant information.



TYPE
Commercial



AREA
7,113 SQ.FT



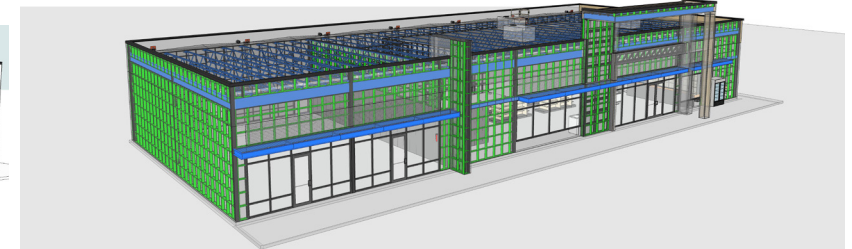
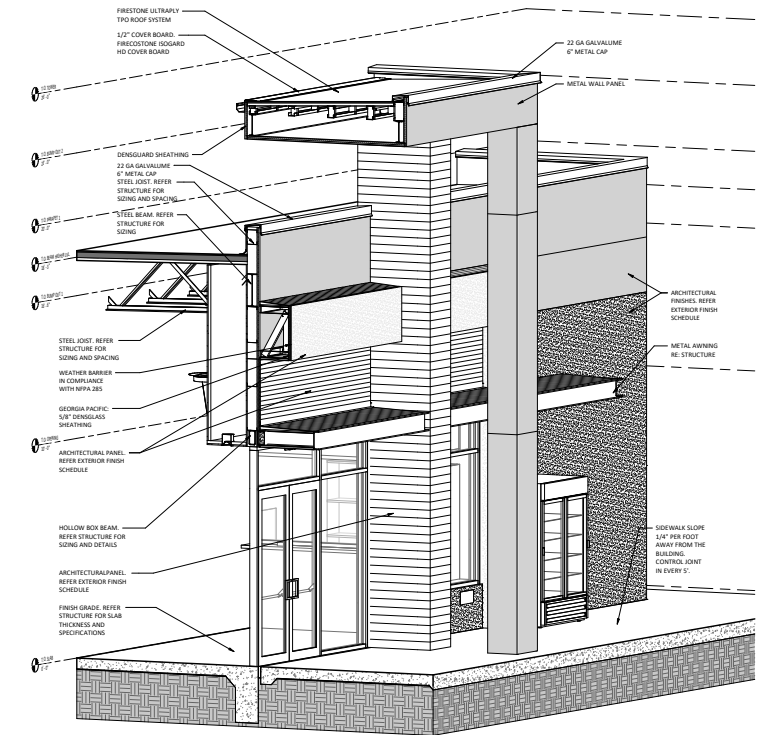
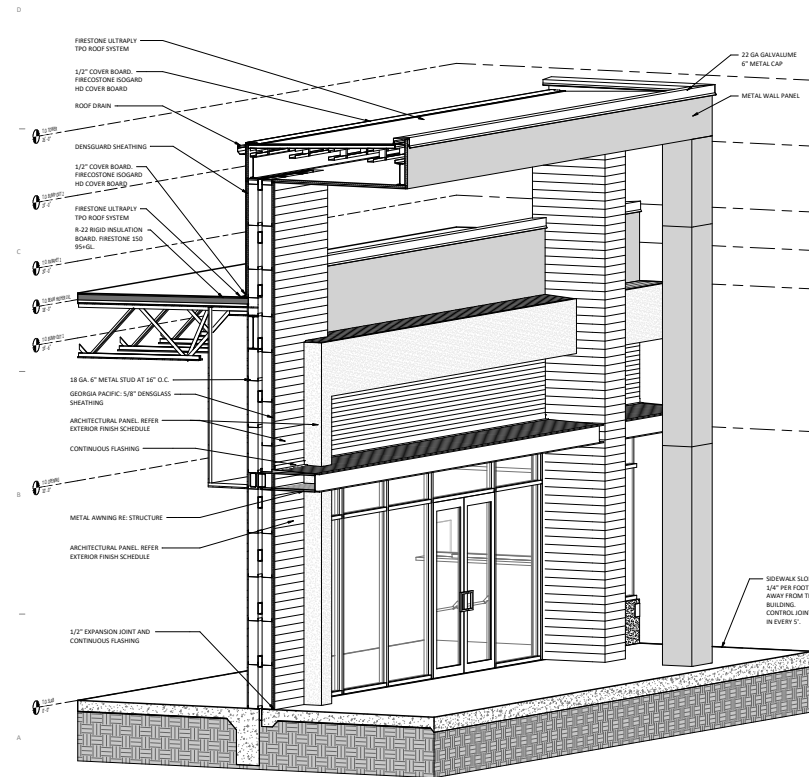
LOD
350



SERVICES
Architectural BIM Modeling
BIM Coordination
Construction Documentation
Facade Detailing



SOFTWARE
Revit
AutoCAD



OUR PROCESS

⌘ INTEGRATED PROJECT SETUP

- Consolidated architectural and consultant inputs
- Established a coordinated Revit baseline
- Structured models around project deliverables

⌘ DESIGN-TO-DELIVERY TRANSLATION

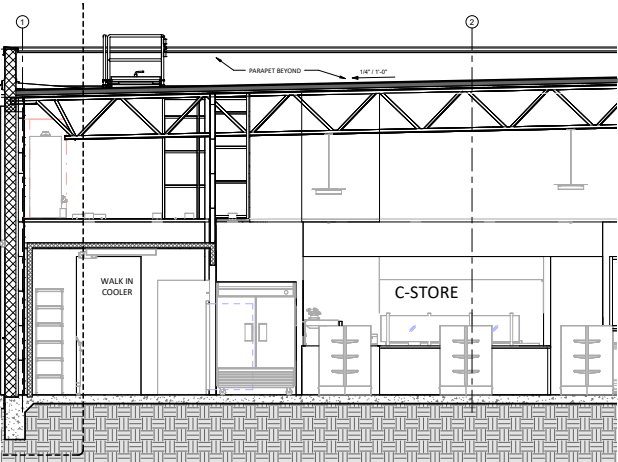
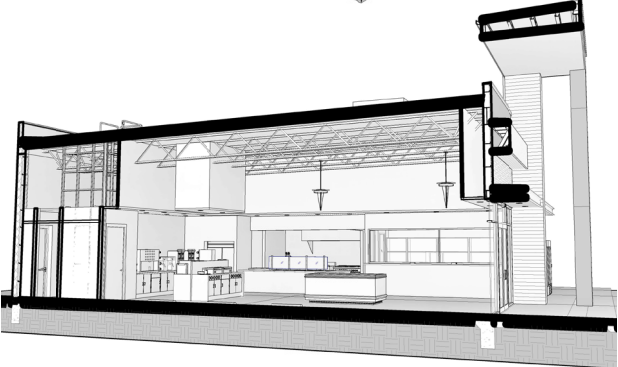
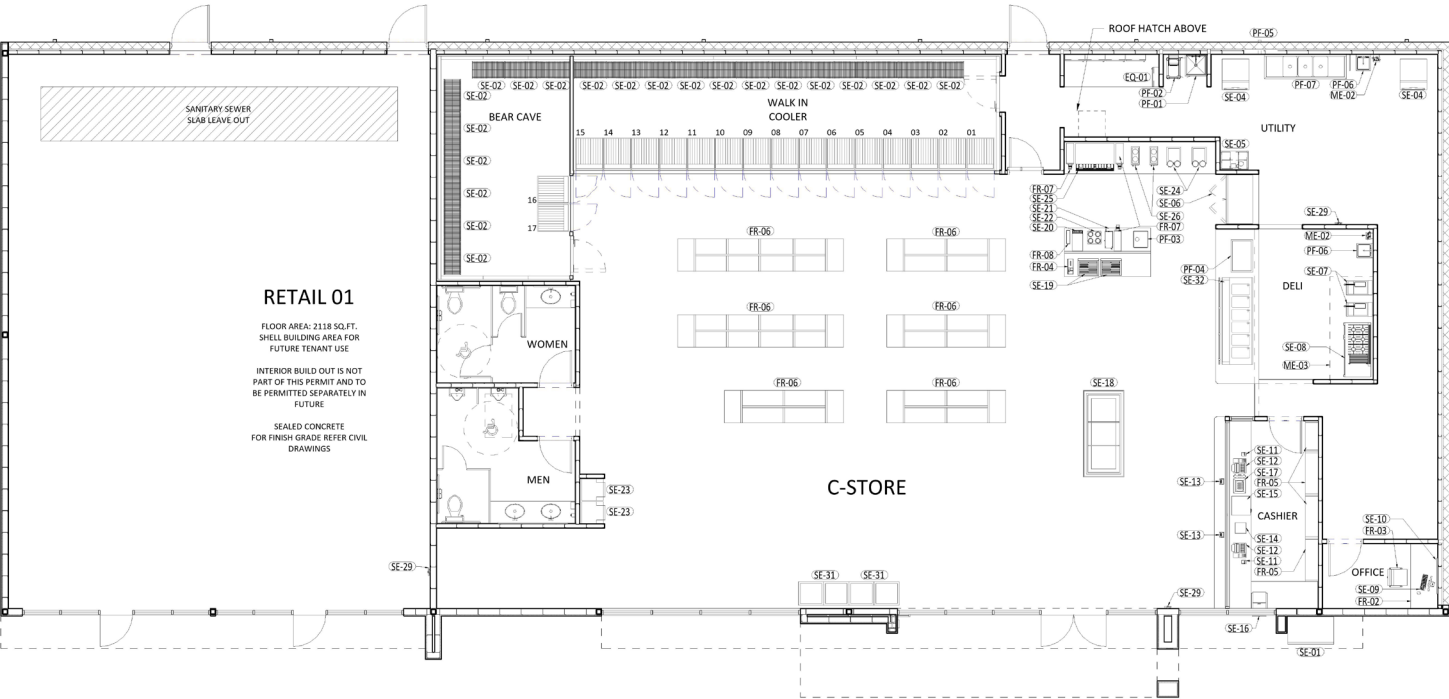
- Converted design intent into buildable geometry
- Resolved storefront, parapet and canopy interfaces
- Embedded materials and assembly requirements

⌘ QUALITY-LED DEVELOPMENT

- Applied consistent BIM modelling standards
- Validated dimensions, clearances and interfaces
- Maintained controlled, traceable design revisions



BIM INTEGRATION | EQUIPMENT, FIXTURES AND FURNISHINGS



PLAN					
SE-03	WALK IN COOLER	1	-	COOLER WALL & DOORS BY OTHER	
SE-04	AUTOMATIC BAGGING AND ICE DISPENSING SYSTEM	2	MANITOWOC ICE	DB1000SA	10T1500A or D970
SE-05	BAG-IN-BOX SYRUP TANK W/ COMPRESSOR	1	-	CUSTOM MODEL BY VENDOR	2 DOOR
SE-06	2-DOOR REACH IN FREEZER	1	HUSSMAN	VRL383A	
SE-07	FRYER	2	PITCO	VF35	
SE-08	RANGE	1	RADIANCE	TARG2466B	
SE-09	DESKTOP COMPUTER	1	-	-	-
SE-10	SECURITY SYSTEM	1	-	-	-
SE-11	CREDIT CARD SLIP PRINTER	2	-	GILBARCO SYSTEM	
SE-12	P.O.S TERMINAL	2	-	GILBARCO SYSTEM	
SE-13	CREDIT CARD SWIPE MACHINE	2	-	GILBARCO SYSTEM	
SE-14	LOTTO MACHINE	1	-	-	-
SE-15	UNDER COUNTER SAFE	1	TIDEL	TACC-IIA	
SE-16	TRANSACTION DRAWER	1	TOTAL SECURITY SOLUTION	THRU WALL DRAWER	
SE-17	INTERCOM MASTER	1	-	-	-
SE-18	3 COMPARTMENT ICED DRINK MERCHANDISER	1	CUSTOM MODEL	-	ADA COMPLIANT

SE-20	COFFEE MACHINE-TYPE 1	1	BUNN	AXIOM-OV-TC	
SE-21	COFFEE MACHINE-TYPE 2	1	BUNN	BUNN_20900_0011	
SE-22	COFFEE WARMER	1	BUNN	-	
SE-23	ATM MACHINE	2	-	-	ADA COMPLIANT
SE-24	SLUSH/ICEE	2	BUNN	ULTRA-2PAF	
SE-25	POST MIX DRINK DISPENSER WITH CARBONATOR	1	LANCER	12LLEVS	
SE-26	TEA BREWERY/ DISPESER	2	BUNN	ITB-DBC LP	
SE-27	FREEZER	-	TRUE	TS-49-HC	NOT USED
SE-28	FROZEN YOGURT	-	-	-	NOT USED
SE-29	FIRE EXTINGUISHER	3	-	-	NOT USED
SE-30	WORK TABLE	-	-	-	NOT USED
SE-31	DISPLAY FREEZER	3	AVANTCO	3601CF13HC	
SE-32	DROP IN HOT PAN	1	DUKE	-	NOT USED
SE-33	MICROWAVE OVEN	-	-	-	NOT USED
SE-34	BOTTLED WATER COOLER	-	-	-	NOT USED
SE-35	FROZEN DRINK DISPENSER	-	CORNELIUS	VIPER 4	NOT USED
PLUMBING FIXTURES					
PF-01	SERVICE SINK(MOP SINK)	1	MUSTEE	63M	
PF-02	MOP BUCKET	1	-	-	

PF-05	CO2 CONNECTION	1	-	-	ADA COMPLIANT
PF-06	HAND SINK	2	-	-	ADA COMPLIANT
PF-07	3 COMPARTMENT SINK	1	ADVANCE TABCO	94-3-54-18 RL	ROUNDED INTERNAL ANGLES & CORNER
MECHANICAL EQUIPMENTS					
ME-01	HOT WATER HEATER ABOVE CEILING	1	-	-	RE. PLUMBING FOR CAPACITY
ME-02	WATER FILTER	2	-	-	-
ME-03	KITCHEN HOOD	1	CAPTIVE AIRE	-	RE.MECHANICAL DRAWING
FURNISHINGS					
FR-01	ACCESS LADDER	-	-	-	NOT USED
FR-02	MANAGER'S DESK	1	IKEA	SKARSTA	
FR-03	OFFICE CHAIR	1	IKEA	VOLMAR	
FR-04	CONDIMENTS ACCESSORIES	1	-	-	
FR-05	CIGARETTE RACK	3	CUSTOM	CUSTOM	
FR-06	PRODUCT DISPLAY(GONDOLA)	6	CUSTOM	CUSTOM	
FR-07	CUP HOLDER	3	-	-	
FR-08	LID HOLDER	1	-	-	
FR-09	-	-	-	-	
ELECTRICAL EQUIPMENTS					
EQ-01	ELEC. PANEL/ TELE. PANEL	PER ELE.	-	-	RE. ELECTRICAL DWG.

BIM SCOPE

PLANNING & SERVICES INTEGRATION

- Developed floor, ceiling and roof systems
- Modelled envelope, interiors and equipment zones
- Integrated equipment with circulation clearances

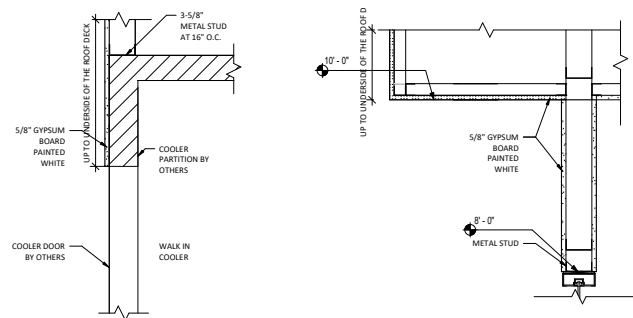
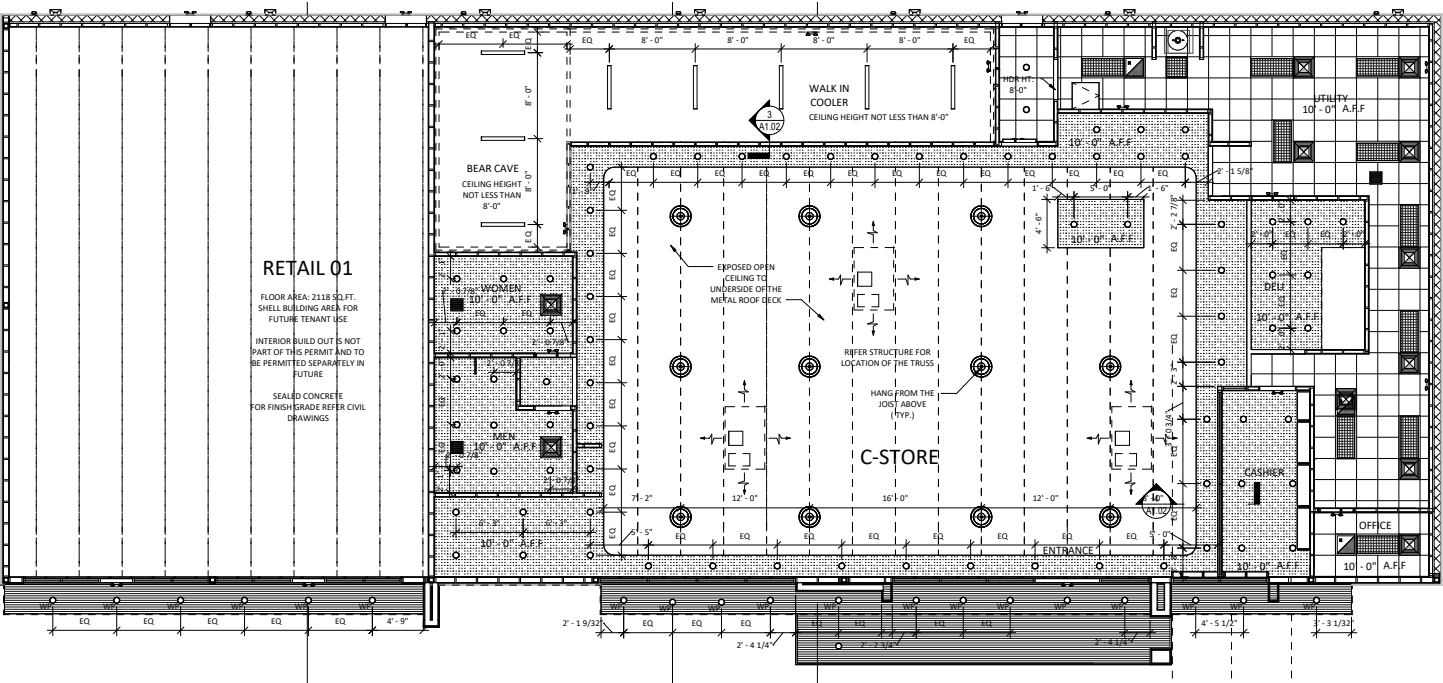
ENVELOPE SYSTEM DEVELOPMENT

- Stucco, panel and CMU assemblies
- Detailed storefront, canopy and parapet interfaces
- Coordinated roofing, scuppers and downspouts

INTELLIGENCE & COMPLIANCE

- Embedded occupancy and egress requirements
- Developed doors, windows and finish schedules
- Accessibility and life-safety information

REFLECTED CEILING PLAN | INTEGRATED LIGHTING FIXTURES



SYMBOL LEGEND

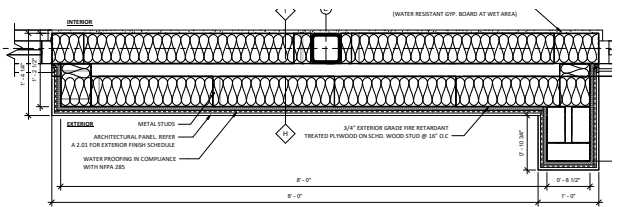
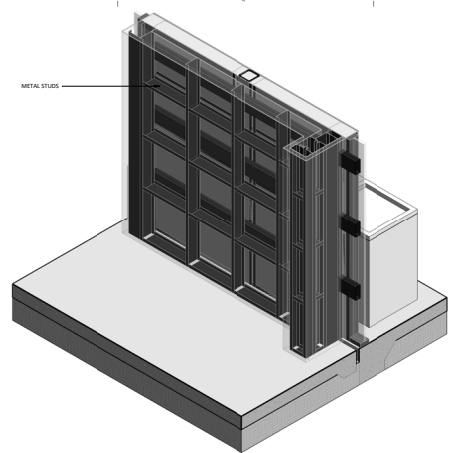
- SUSPENDED GYPSUM BOARD CEILING, PAINT WHITE (INSTALLED UNDER METAL STUD)
- 2'X2' ACOUSTICAL GRID LAY IN SUSPENDED CEILING TILE. COLOR: WHITE

GENERAL NOTES:

1. REFER MECHANICAL AND ELECTRICAL DRAWINGS FOR COMPLETE INFORMATION AND FIXTURE SPECIFICATIONS.
2. PROVIDE G.F.C.I. OUTLETS WITHIN 24" OF SINKS AND ALL OTHER WATERPROOF OUTLETS.
3. INSTALL ALL COUNTERTOP ELECTRICAL OUTLETS AT 40" A.F.F.
4. INSTALL ALL FLOOR ELECTRICAL OUTLETS AT +12" A.F.F.
5. PROVIDE EXHAUST VENT AT ALL BATHS AND UTILITY ROOMS.
6. ALL EXHAUST VENT SHALL EXIT THROUGH THE ROOF DECKING AT A MINIMUM DISTANCE OF 5'-0" FROM ANY PROPERTY LINE.
7. LIGHT SWITCHES TO BE INSTALLED AT 42" A.F.F. UNLESS NOTED OTHERWISE.
8. CONTRACTOR TO INSTALL LIGHT FIXTURE PER THE DIMENSIONS FURNISHED. IF ADDITIONAL DIMENSIONS REQUIRED TO PROPERLY INSTALL THE LIGHT FIXTURES, DESIGNER SHOULD BE CONTACTED.
9. VERIFY LOCATION OF LIGHT FIXTURES WITH TRUSS LOCATIONS. NOTIFY DESIGNER OF ANY CONFLICTS.
10. PROVIDE POWER AS REQUIRED FOR THE EXTERIOR CONDENSING UNITS AND AIR HANDLING UNITS.
11. ALL LIGHT FIXTURES REQUIRE OWNER APPROVAL.

LIGHTING LEGEND

- 100W UP & DOWN LIGHT (WALL MOUNTED)
- WALL PACK CONTRACTOR GRADE 5700K W/
- 4 INCH RECESSED FIXTURE
- 6 INCH RECESSED FIXTURE
- 6 INCH WEATHER PROTECTED RECESSED FIX
- PENDANT FIXTURE
- 2X4 LED LIGHT FIXTURE
- TRACK LIGHT
- 1'X8' FLUORESCENT LIGHT
- EMERGENCY LIGHT
- EXIT LIGHT (CEILING MOUNTED)
- EXIT LIGHT (WALL MOUNTED)
- 24"X24" SUPPLY AIR DIFFUSER
- 12"X12" SUPPLY AIR DIFFUSER
- 24"X24" RETURN AIR DIFFUSER
- 12"X12" RETURN AIR DIFFUSER
- EXHAUST FAN
- SLOT DIFFUSER



VALUE DELIVERY

TECHNICAL DESIGN

- Resolved roof and parapet interfaces
- Developed coordinated envelope assemblies
- Clarified equipment and service requirements

CONSTRUCTABILITY OPTIMIZATION

- Simplified complex building junctions
- Coordinated openings, supports and clearances
- Integrated lighting layouts

MATERIAL COORDINATION

- Aligned finishes across project documentation
- Coordinated stucco, panels and glazing
- Integrated manufacturer-specific system requirements



05. ULTRA LUXURY HOTEL

ARCHITECTURAL BIM MODELING + DESIGN DEVELOPEMENT

The BIM scope supported the integration of guestroom planning with high-end public amenities, private club functions, back-of-house operations, vertical circulation, and complex building-service interfaces through SD, DD, and partial CD developmen



TYPE
HOTEL
115 GUESTROOMS



AREA
229,967 SQ.FT
206,993 SQ.FT (Basement)



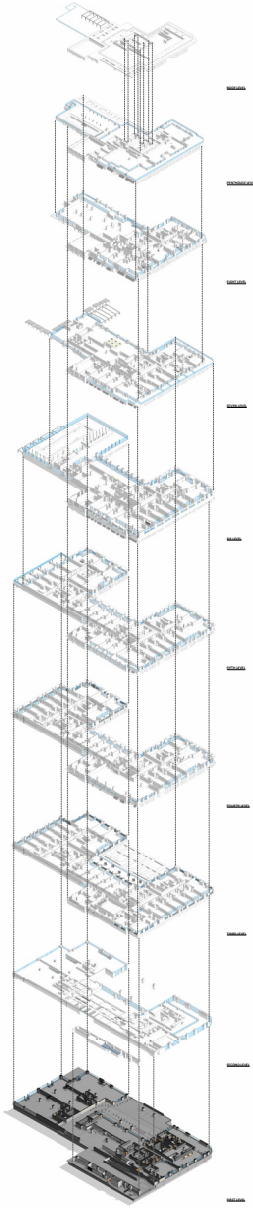
LOD
350



SERVICES
Architectural BIM Modeling
Design Developement
Facade Detailing



SOFTWARE
Revit
AutoCAD
Lumion



OUR PROCESS

**HOSPITALITY PROGRAM INTEGRATION**

- Resolved roof and parapet interfaces
- Developed coordinated envelope assemblies
- Clarified equipment and service requirements

**GUESTROOM MODULE DEVELOPMENT**

- Standardized room-type configurations
- Coordinated bathroom wet walls
- Managed suite and room variations

**STAGE-BASED MODEL ADVANCEMENT**

- Developed BIM from SD
- Refined model through DD
- Advanced selected areas into partial CD



DALLAS | HOUSTON | SURAT | AHMEDABAD

 | 90 DAYS

 **SDC**
STUDIO

FUNCTIONAL PLANNING



Guest Rooms
121,799 SF
53.0%



Hotel / BOH
42,161 SF
18.3%



Vertical Circulation
10,600 SF
4.6%



Members Club
5,254 SF
2.3%



Wellness Center
7,434 SF
3.2%

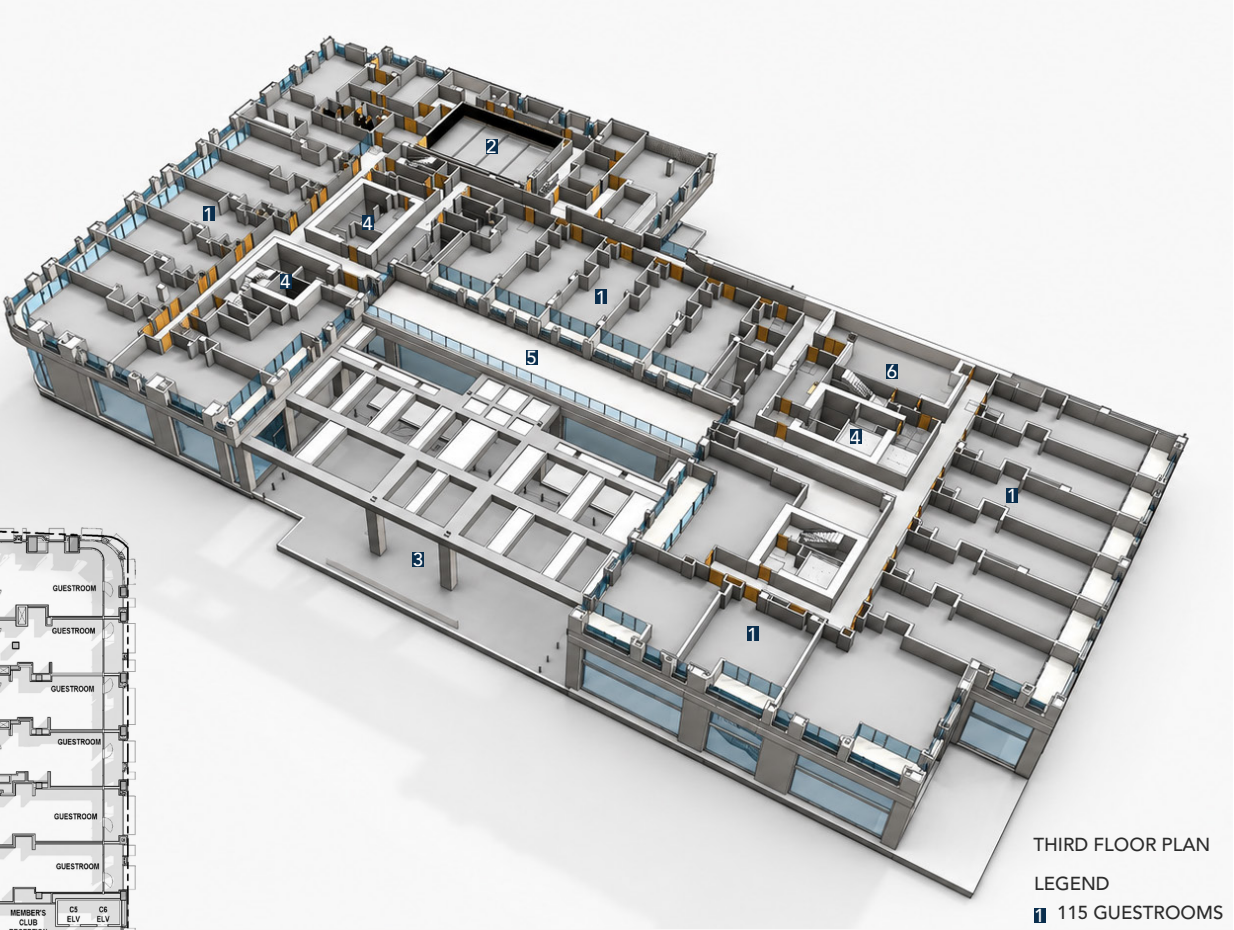


Restaurants
19,670 SF
8.6%

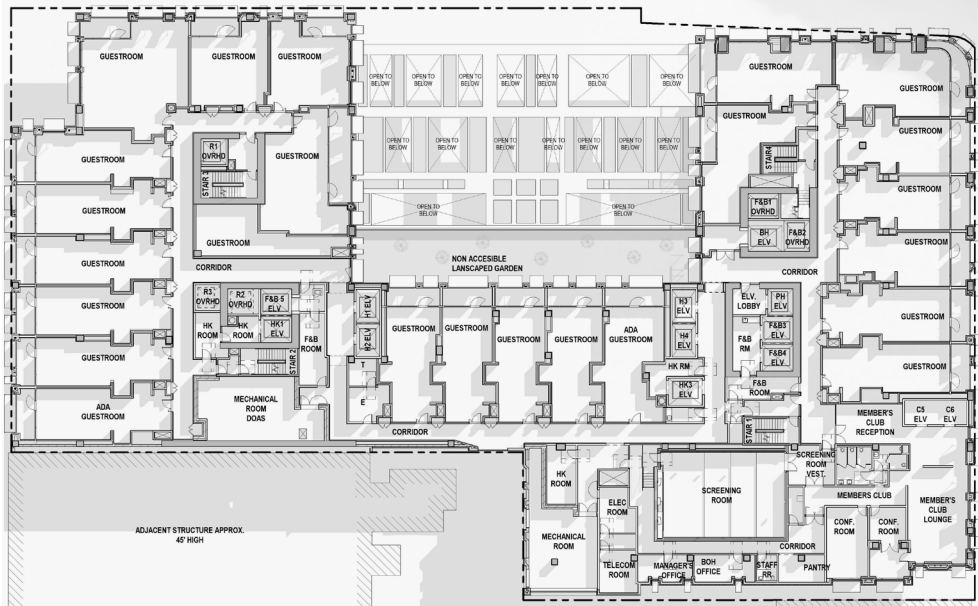


Retail
23,049 SF
10.0%

PROGRAM	AREA (SF)	%
Guest Rooms	121,799	
Hotel / BOH	42,161	
Vertical Circulation	10,600	
Members Club	5,254	
Wellness Center	7,434	
Restaurants	19,670	
Retail	23,049	
TOTAL	229,967	



THIRD FLOOR PLAN



THIRD FLOOR PLAN

LEGEND

- 1 115 GUESTROOMS
- 2 PRIVATE CLUB
- 3 HOTEL ENTRNACE
- 4 ELEVATORS
- 5 CORRIDOR
- 6 BOH

BIM SCOPE

GUESTROOM AND SUITE SYSTEMS

- Developed coordinated room-type assemblies
- Integrated bathrooms, millwork, and FF&E zones
- Managed accessible and connecting-room variants

HOTEL PROGRAM AND OPERATIONS

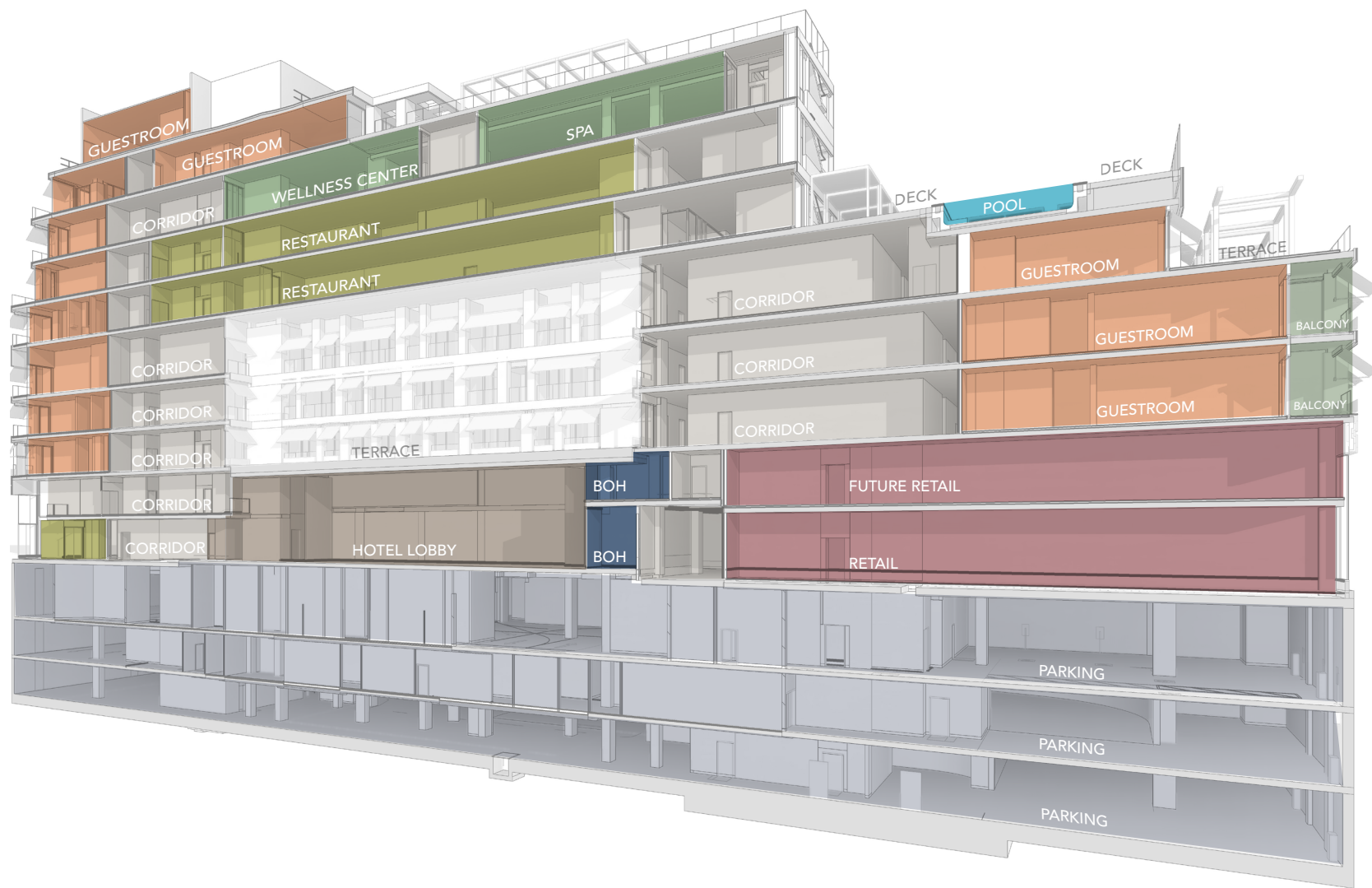
- Modeled arrival, dining, club, and wellness areas
- Integrated kitchens, and BOH support
- Coordinated guest, staff, and service movement

MULTIDISCIPLINARY INTERFACES

- Aligned wet walls, risers, and service shafts
- Coordinated ceilings with lighting and services
- Integrated facade and interior interfaces



WORKING ACROSS MULTI-LEVELS



VALUE
DELIVERY

A ROOM-PLANNING GOVERNANCE

- Established consistent room-type design rules
- Reduced variation across repeated guestroom floors
- Enabled controlled updates to room configurations

A OPERATIONAL RESOLUTION

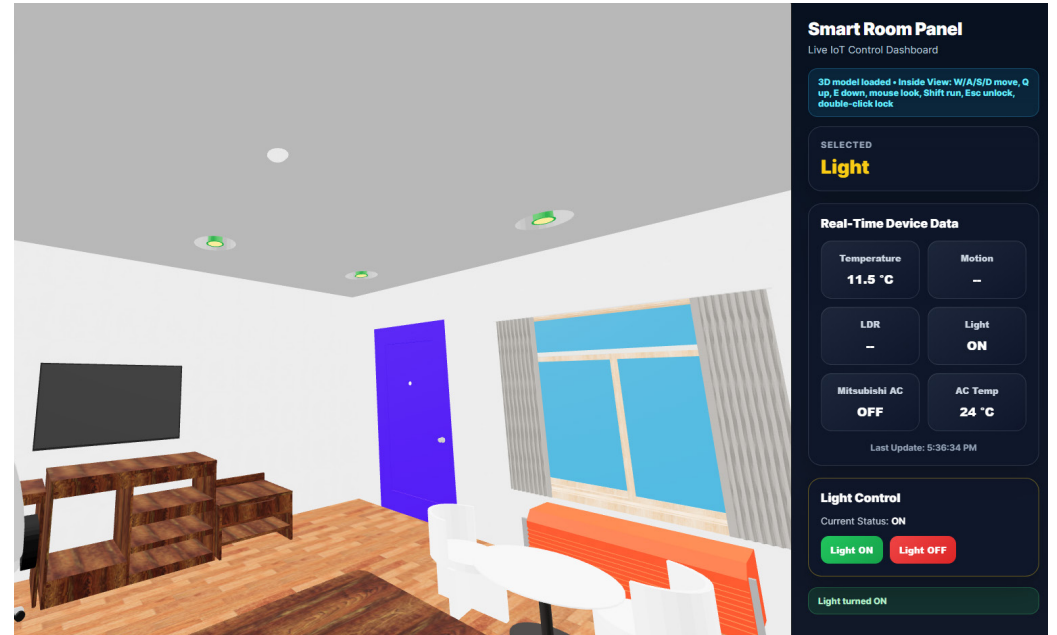
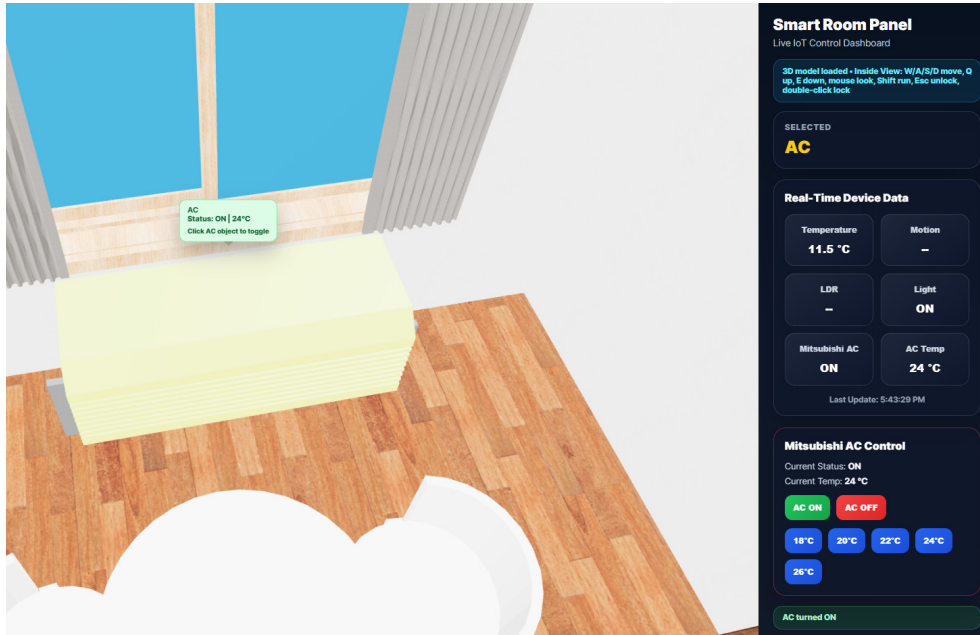
- Guest-to-service spatial relationships
- Improved alignment of bathrooms services
- Reduced coordination risk in dense ceiling zones

A DESIGN-TO-DOCUMENTATION

- Advanced enlarged room plans
- Developed elevations and schedules
- Established coordinated partial-CD package



IOT & DIGITAL TWIN



KEY BENEFITS

 IoT INTEGRATION Seamlessly connect sensors, devices, and systems.	 ENVIRONMENT MONITORING Monitor temperature, humidity, air quality, light, and more.	 ENERGY & WATER MONITORING Track energy and water usage to reduce consumption.	 ASSET & OCCUPANCY Monitor occupancy and assets in real time for better utilization.	 SMART SENSORS Wide range of smart sensors for buildings, equipment, and environment.	 DIGITAL TWINS Create a digital representation of your assets, systems, and spaces.	 REAL-TIME MONITORING Monitor live conditions, equipment performance, and environmental data.	 BIM IoT INTEGRATION Connect BIM with IoT sensors, systems, and cloud platforms.	 BUILDING ANALYTICS Turn data into insights to improve efficiency and operations.	 FM DASHBOARD All your building data, alerts, and analytics in one intuitive dashboard.
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SDC SCOPE	BIM EQUIPMENTS We developed entire BIM model with live equipment parameters assigned with specific IDs.	BACK-END CONNECTIVITY In-house IT team developed the connection between the BIM model & real-performing equipment.	IOT FRONTEND Web engineers present the best UI for cases of use & generate useful data for analytical charts.
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SDC STUDIO

Floor Plan



Project Overview



Structural Analysis



Energy Efficiency



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