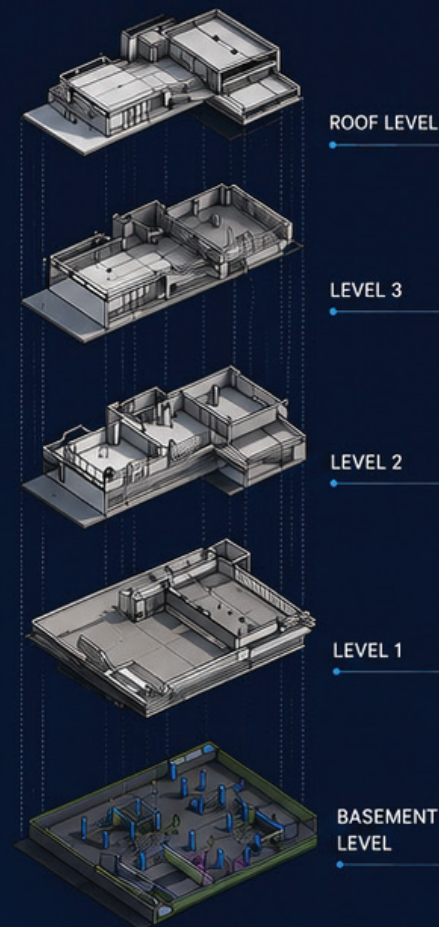


SDC
STUDIO

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

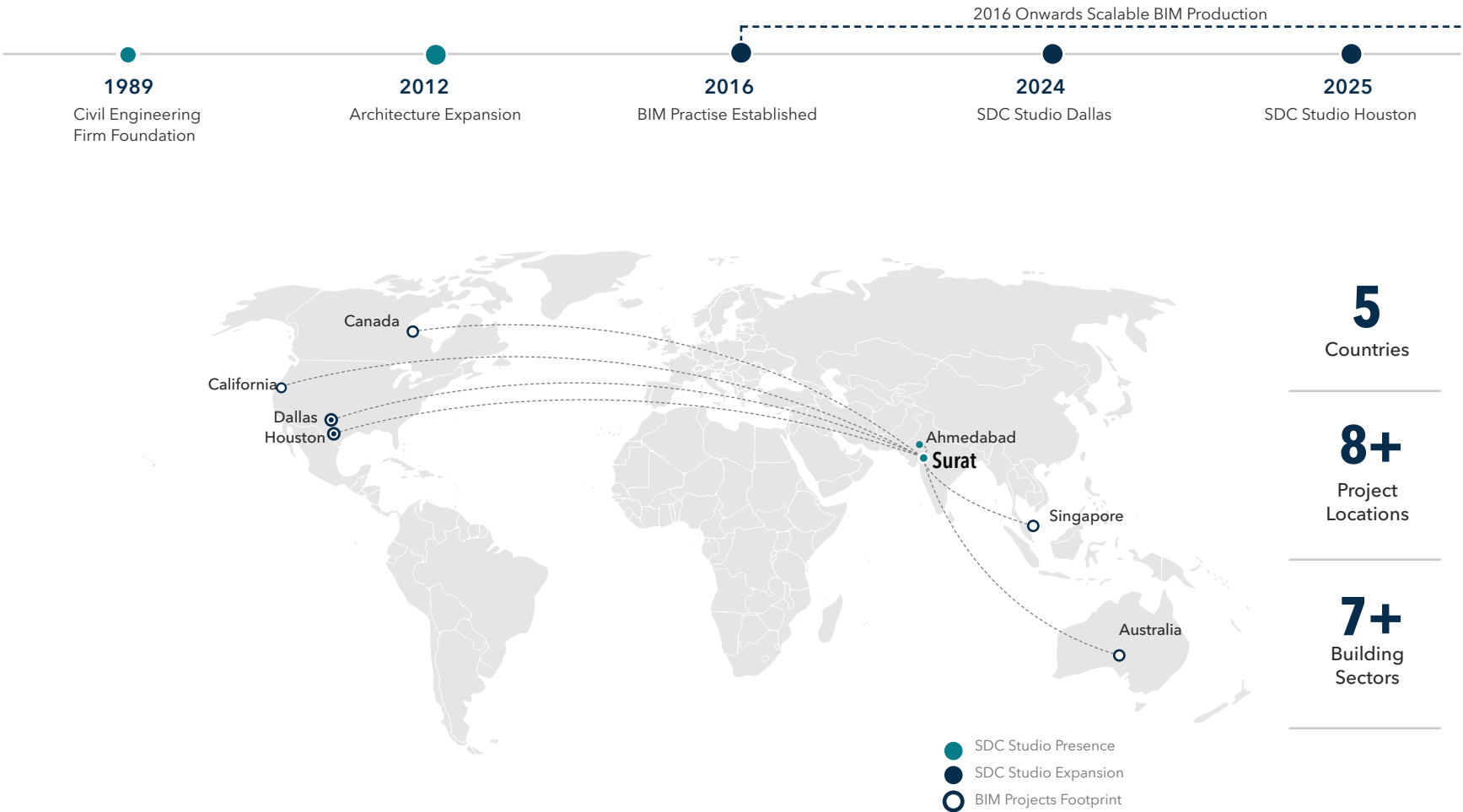


03
Assisted Living



SDC BIM DELIVERY JOURNEY

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



HIGHLIGHTS

01



HIGH-END
MIXED USE



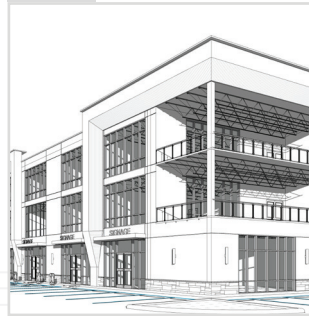
02



LUXURY RETAIL SHOWROOM



03



COMMERCIAL
OFFICE BUILDING



04



COMMERCIAL 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.

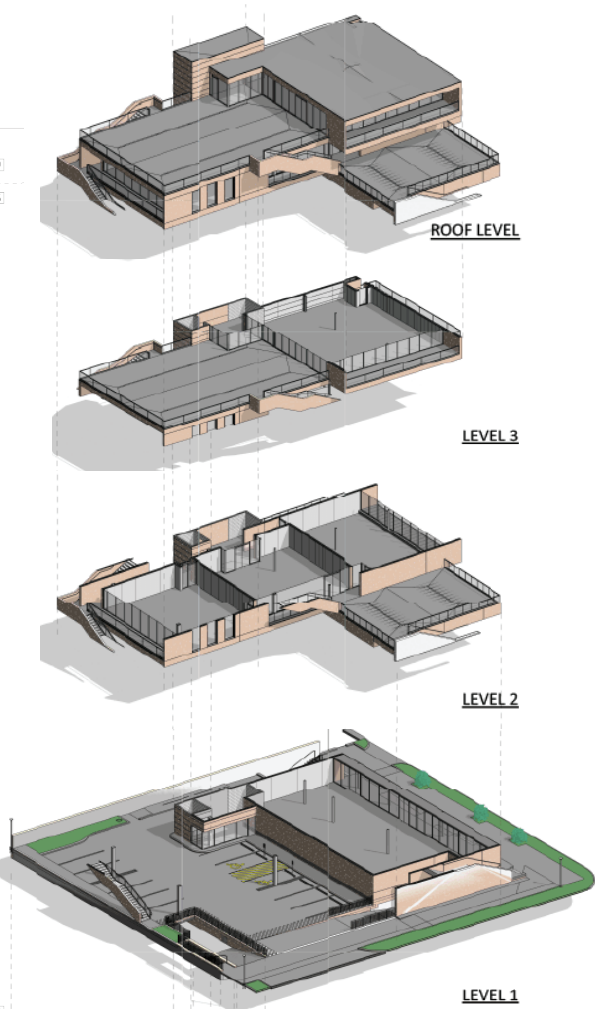
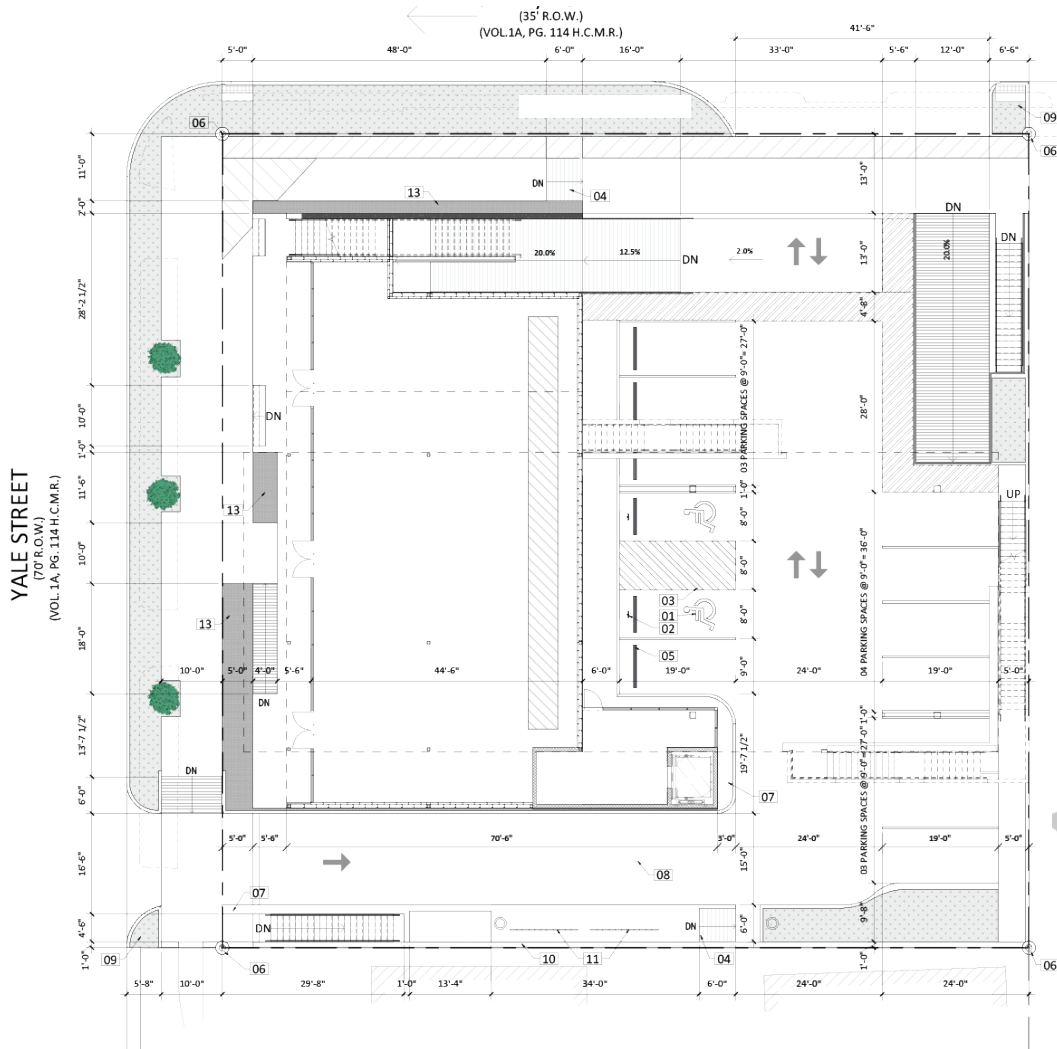
**TYPE**
Commercial+Retail

**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

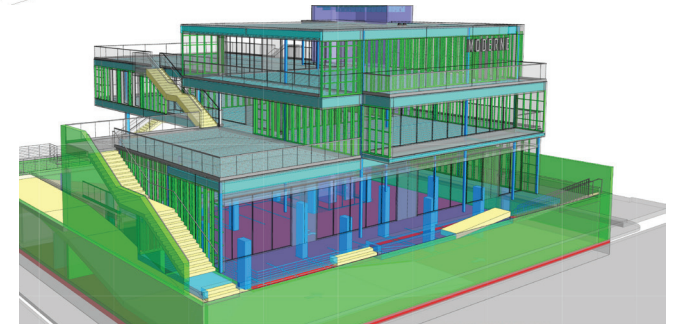
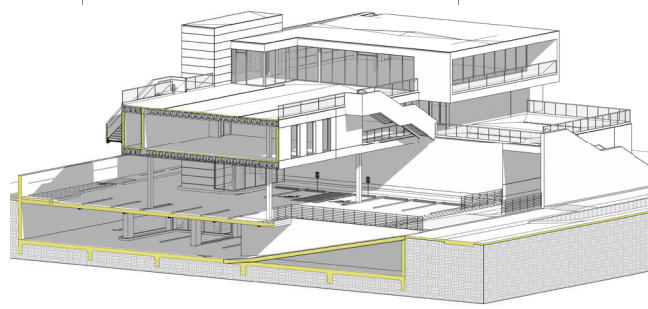
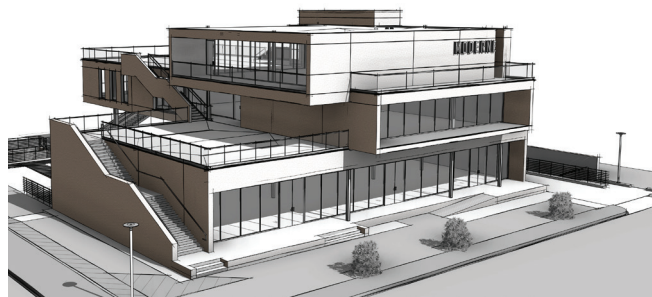
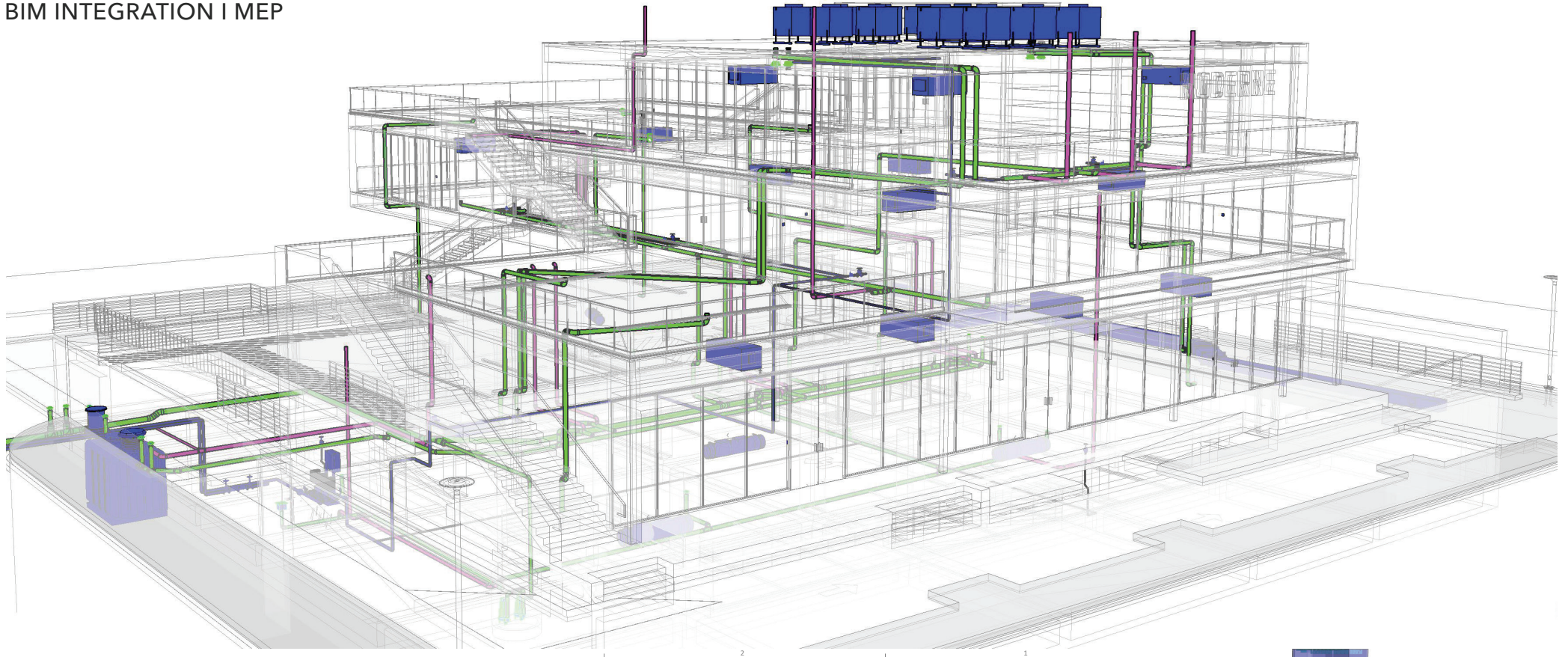
- Ramp and floor-level transitions
- Vertical circulation and exterior access
- Rooftop equipment and drainage interfaces

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

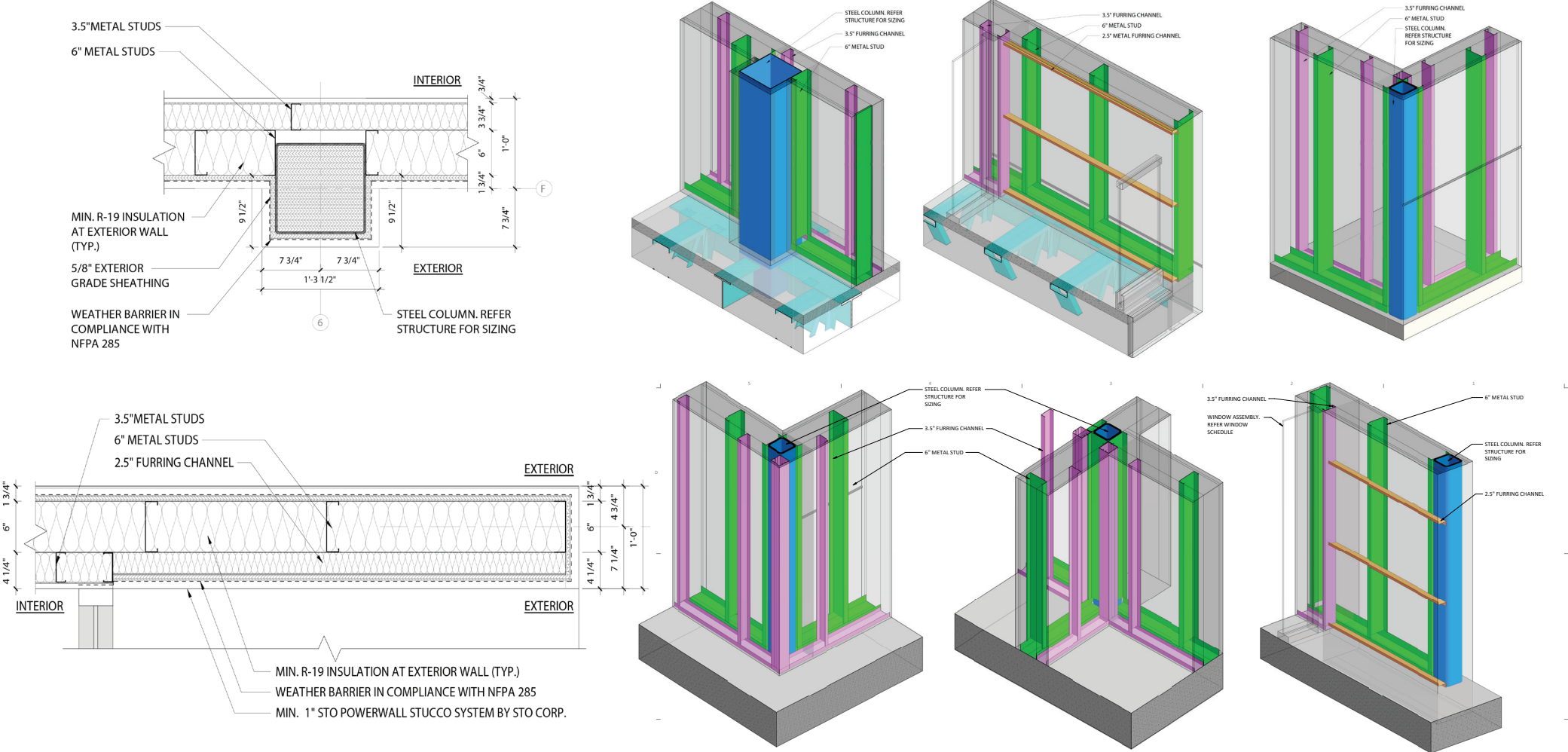


DOCUMENTATION

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



WALL ASSEMBLY DETAILS



VALUE DELIVERY

WALL ASSEMBLY

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

MEP INTERFACES

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

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



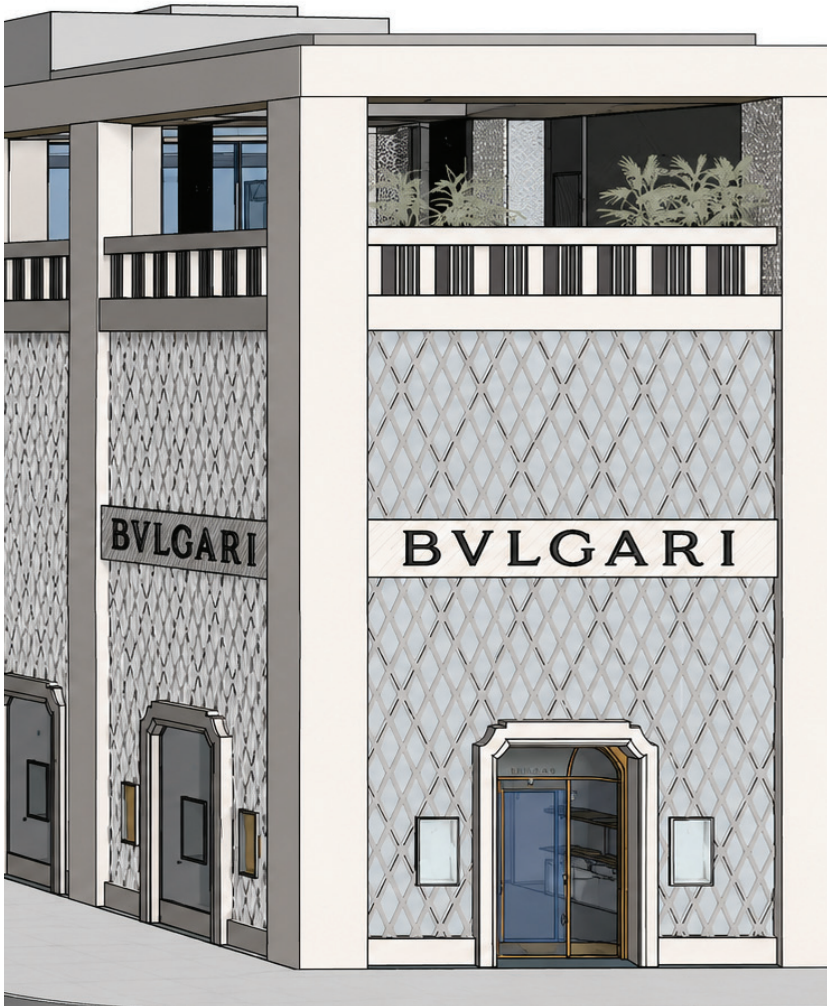
LOD
400



SERVICES
Architctural BIM Modeling
Interior BIM Modeling
3D Visulization
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

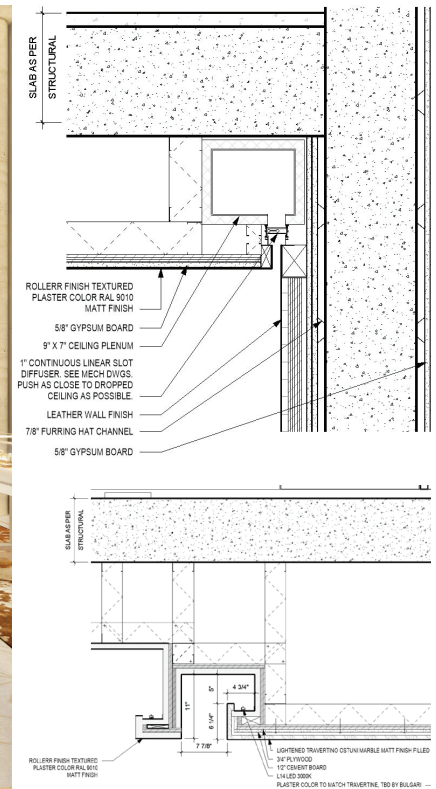
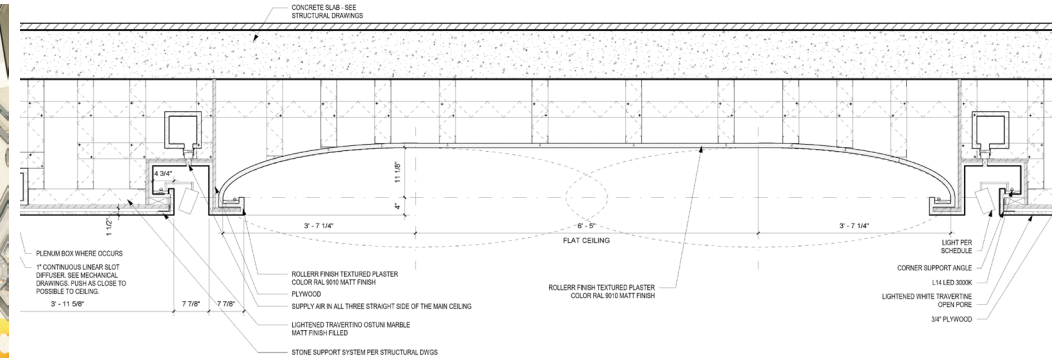
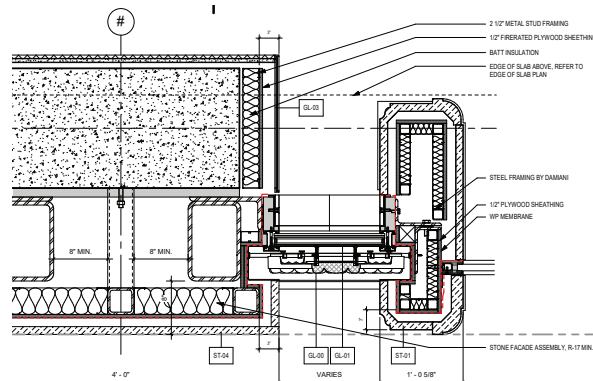
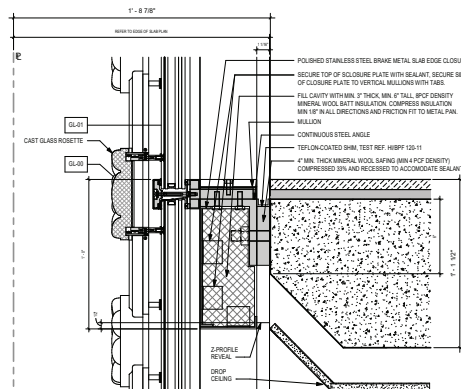
- Coordinated elevator, egress, and roof path
- Architectural, structural, and MEP interfaces
- Parametric modeling to complex design elements



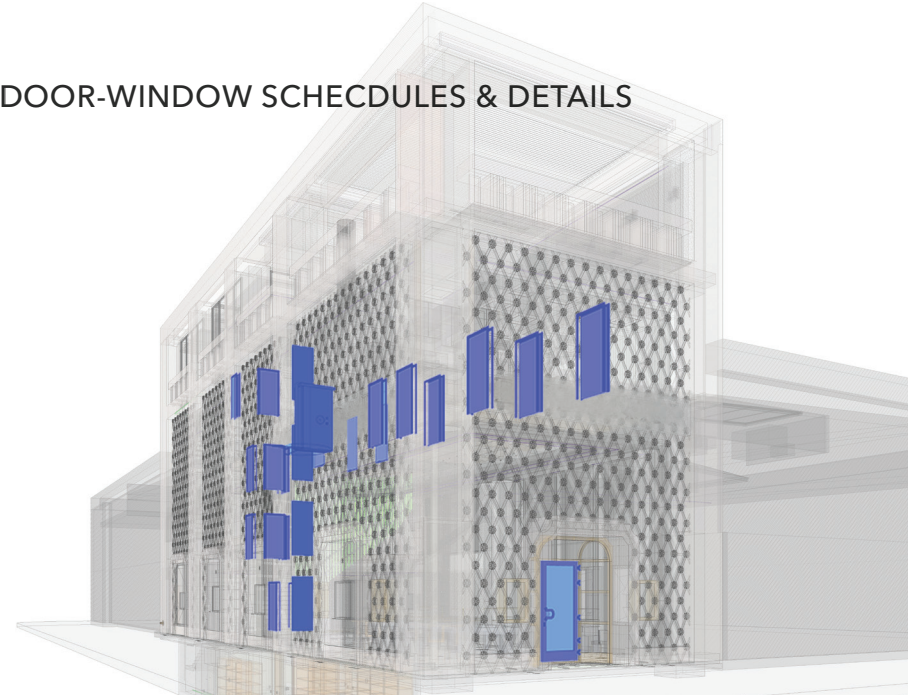
Technical drawing of a glass flower bracket assembly. The drawing includes a side view (top) and a front view (bottom). Dimensions are provided in inches: 1.75" for the top bracket width, 4" for the bracket depth, and 1.50" for the bottom bracket width. Labels identify components: GL-01 (top bracket), GLASS CONNECTION, PIN BRACKET GLUED TO THE GLASS CONNECTION, GL-02 (flower), GLASS FLOWER, ALUMINUM BRACKET (PAINTED TO THE GLASS FLOWER'S BRACE), ALUMINUM LEDGERS, PIN BRACKET GLUED ON THE GLASS FLOWER, SCREW M3, SCREW M4, MID STEEL PIN, and MID STEEL PIN (SWISSLOCK PINN CONNECTION).

Diagram illustrating the components and assembly of the PPS bracket:

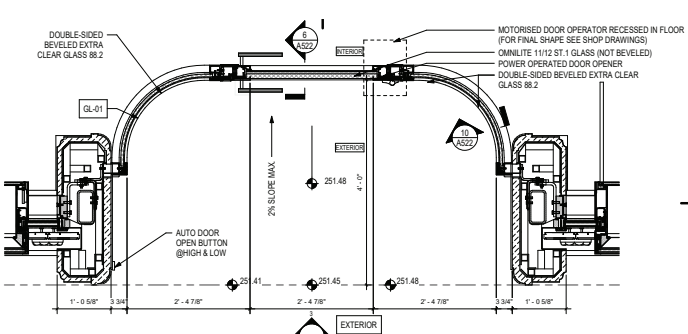
- PPS BRACKET GLUED TO GLASS CONNECTOR
- GLASS CONNECTOR
- MID TIE PIN - EMBEDDED PINS CONNECTOR
- SLOTTED HOLE AT THE RAIL CONNECTION TO PERMIT THERMAL MOVEMENTS BETWEEN FLOWER TIE AND BRACKETTIES
- ALUMINUM BRACKET FASTENED TO GLASS FLOWER'S BRACKET
- ALUMINUM LID RING
- PPS BRACKET GLUED TO GLASS FLOWER
- GLASS FLOWER



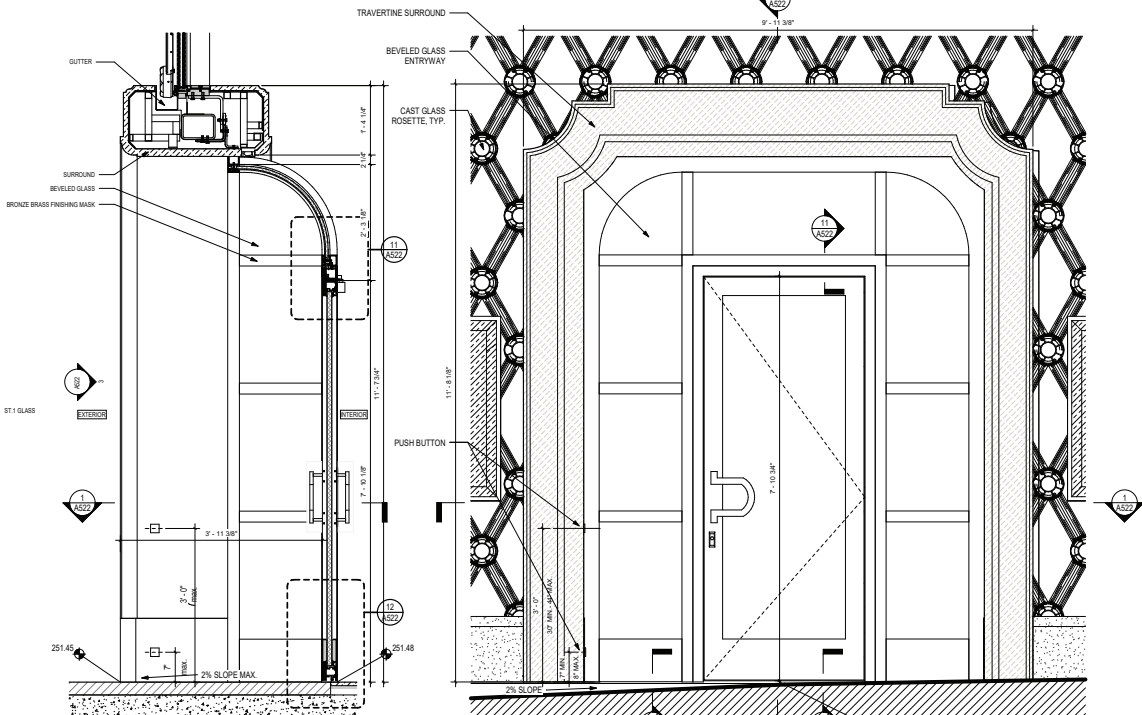
DOOR-WINDOW SCHEDULES & DETAILS



DOOR SCHEDULE																			
MARK	TYPE	ROOM NAME	LOCATION		DOOR SIZE			MATERIAL / FINISH				DETAILS		FIRE	RESPONSIBILITY	RESPONSIBILITY			
BASEMENT (242.48)			RM	RM	W	H	D	RM/FINISH	RM/FINISH	PANEL	FRAME	HEAD	JAMB	SILL	RATING	PROVIDE	FUNCTION	INSTALL	REMARKS
002	D-03	BASEMENT STAIR	001	002	3'-0"	6'-8"	0'-1.34"	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'-1.34"	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'-5.34")																			
101	D-21	FIRST FLOOR STAIR	101	103	3'-4"	8'-0"	0'-1.34"	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'-1.34"	101 / WW	101 / WW	WD	HM	8/A602	9/A602	11/A602	60 MIN	GC	D	GC	
102	D-03	ALCOVE	102	101	3'-0"	7'-0"	0'-1.34"	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'-1.34"	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'-1.34"	111 / WW	115 / WW	WD	MTL				60 MIN	GC	D	GC	
112	D-03	MECH/ELEC ROOM	112	115	3'-0"	7'-0"	0'-1.34"	112 / PT	115 / PT	MTL	HM				60 MIN	GC	D	GC	
113	D-03	CLOSET	113	115	3'-0"	7'-0"	0'-1.34"	113 / PT	115 / PT	MTL	HM					GC	F	GC	
FLOOR 2																			
201	D-21	SECOND FLOOR STAIR	201	203	3'-4"	8'-0"	0'-1.34"	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'-1.34"	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'-1.34"	215 / WW	202 / WW	WD	HM	9/A602	9/A602	6/A602	60 MIN	GC	F	GC	
204	D-04	CUSTOMER RESTROOM	204	217	3'-0"	7'-0"	0'-1.34"	204 / WW	217 / WW	WD	HM	9/A602	9/A602	11/A602		MW	F	MW	
205	D-03	MANAGER'S OFFICE	205	215	3'-0"	7'-0"	0'-1.34"	205 / WW	215 / WW	WD	HM	9/A602	9/A602	6/A602	60 MIN	GC	F	GC	
206	D-03	MECHANICAL ROOM	206	215	3'-0"	7'-0"	0'-1.34"	206 / WW	215 / WW	WD	HM				60 MIN	GC	D	GC	
207	D-03	IT / SECURITY ROOM	207	215	3'-0"	7'-0"	0'-1.34"	207 / WW	215 / WW	WD	HM				60 MIN	GC	F	GC	
209	D-03	DIRECTOR'S OFFICE	209	215	3'-0"	7'-0"	0'-1.34"	209 / WW	215 / WW	WD	HM				60 MIN	GC	F	GC	
210	D-03	VAULT ROOM	210	215	3'-0"	7'-0"	0'-1.34"	210 / WW	215 / WW	WD	HM	9/A602	9/A602	9/A602		GC	D	GC	
210A	D-36	VAULT	211	210	3'-8 19/32"	7'-0"	0'-1.34"	210 / -	211 / -		HM								VAULT CONTRACTOR 10
212	D-24	AFTER SALES	212	217	3'-0"	7'-0"	0'-1.34"	212 / WW	217 / WW	WD						MW	D	MW	
212A	D-24	POLISH	212A	217	3'-0"	7'-0"	0'-1.34"	212A / WW	217 / WW	WD						MW	D	MW	
213	D-03	CLOSET	213	219	3'-0"	7'-0"	0'-1.34"	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'-1.34"	214 / WW	219 / WW	WD	HM	8/A602	8/A602	11/A602	60 MIN	GC	F	GC	9
215	D-03	HALLWAY	217	215	3'-0"	7'-0"	0'-1.34"	217 / WW	215 / WW	WD	WD				60 MIN	GC	D	GC	2
217	D-03	HALLWAY	217	203	3'-0"	7'-0"	0'-1.34"	217 / WW	203 / WW	WD	WD				60 MIN	MW	F	MW	
218	D-23	AFSS RECEPTION	218	203	3'-4 1/2"	8'-0"	0'-1.34"	218 / EM	203 / EM	MTL		10/A602	7/A602			MW	F	MW	
FLOOR 3																			
301A	D-21	THIRD FLOOR STAIR	301	304	3'-4"	8'-0"	0'-1.34"	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'-1.34"	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	9/A602	9/A602	11/A602		GC	G	GC	
304B	D-44	TERRACE VIP SALES	304	EXT	12'-6"	10'-0.58"	0'-2.1132"	EXT / AL/GL	304 / AL/GL	GL	AL				60 MIN	NANA WALL		NANA WALL	
305	D-03	TERRACE	305	EXT	3'-0"	7'-0"	0'-1.34"	305 / PT	EXT / PT	HM	HM	8/A602	8/A602	6/A602	60 MIN	GC	A	GC	
306	D-44	THIRD FLOOR STAIR	301	EXT	12'-6"	10'-0.58"	0'-2.1132"								60 MIN				
308	D-46	TERRACE	305	304	22'-0"	10'-0.58"	0'-2.1132"	304/AL/GL	305/AL/GL	GL	AL								



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



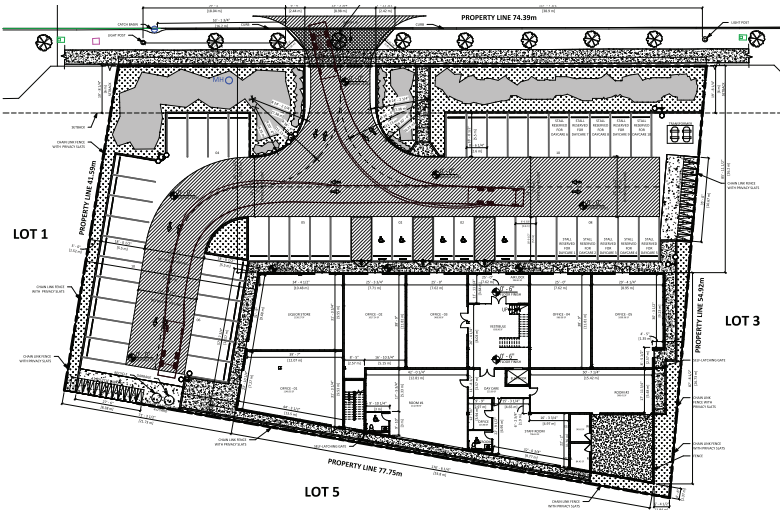
LOD
350



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

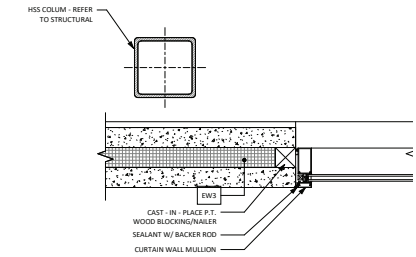
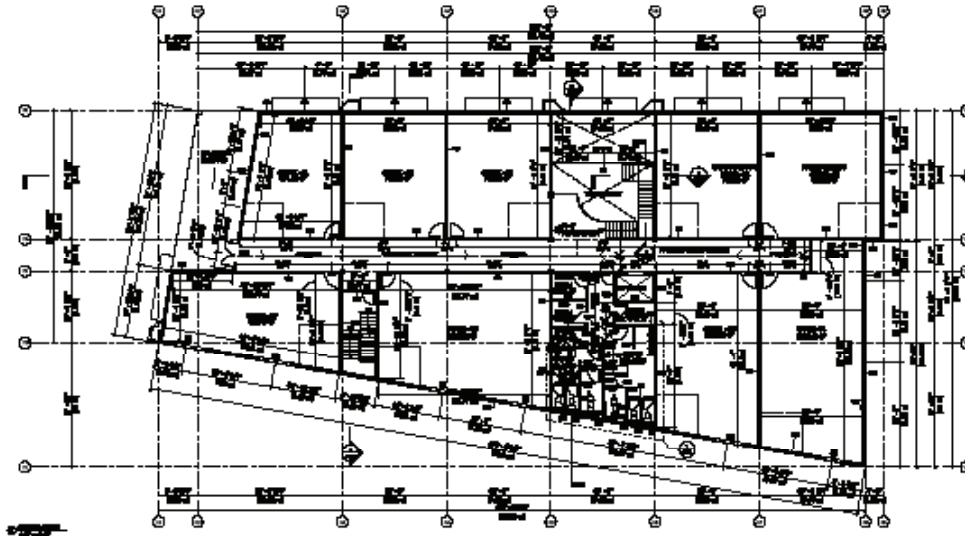
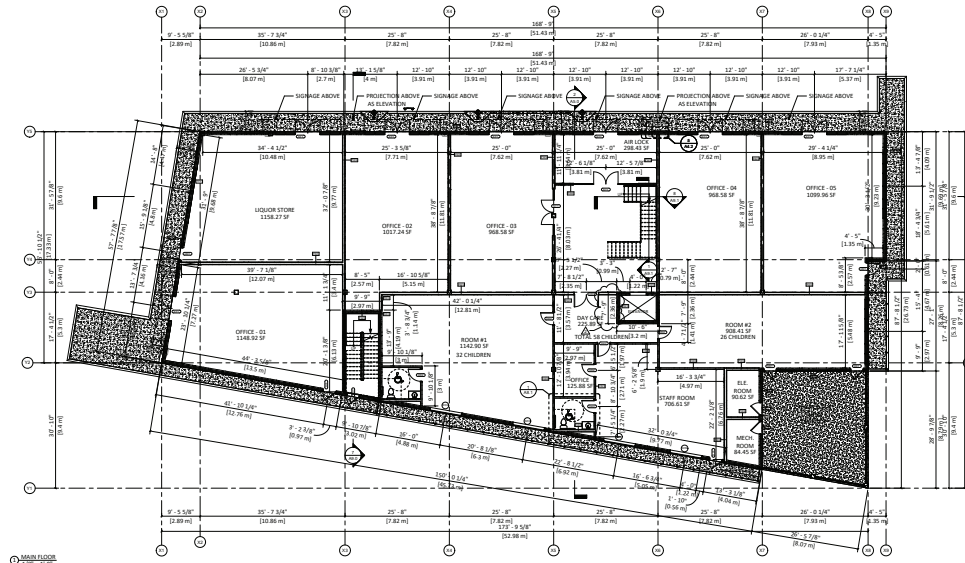
+ A9.1 - STAIR DETAILS

+ A9.2 - DETAILS

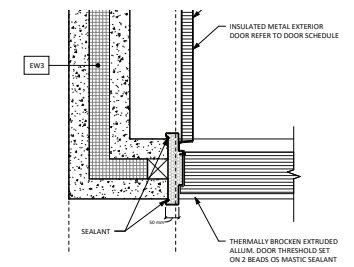
+ A9.3 - DETAILS

+ A9.4 - DETAILS

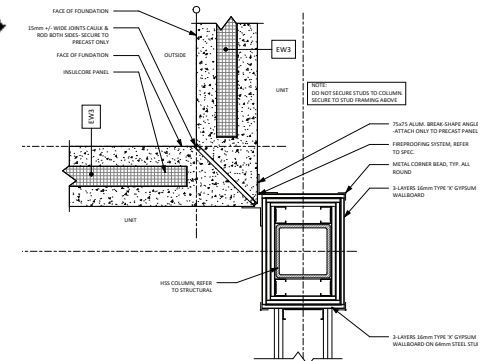
+ A9.5 - ELEVATOR DETAILS



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

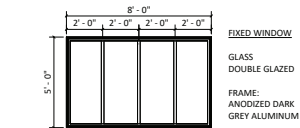
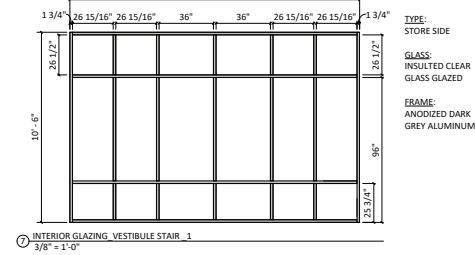
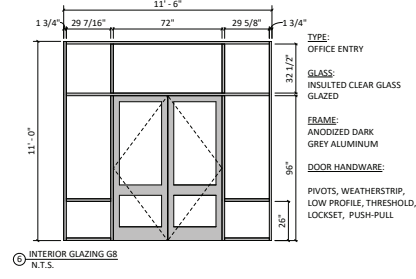
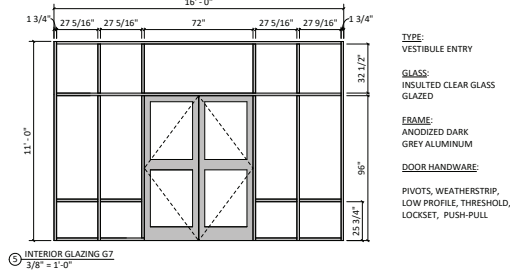
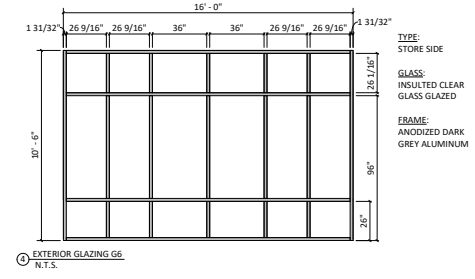
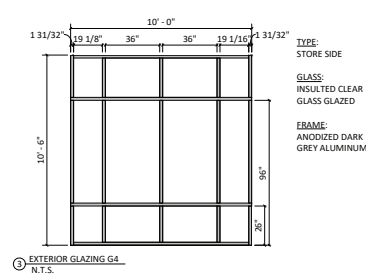
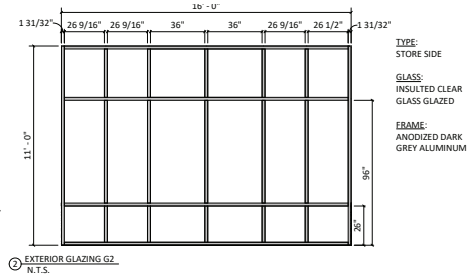
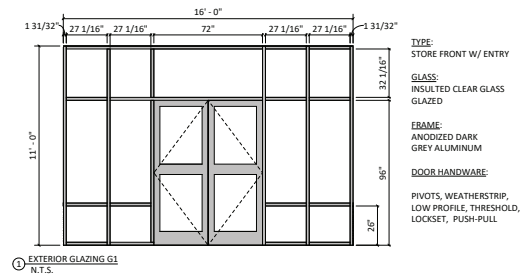


DOCUMENTATION & SCHEDULES

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

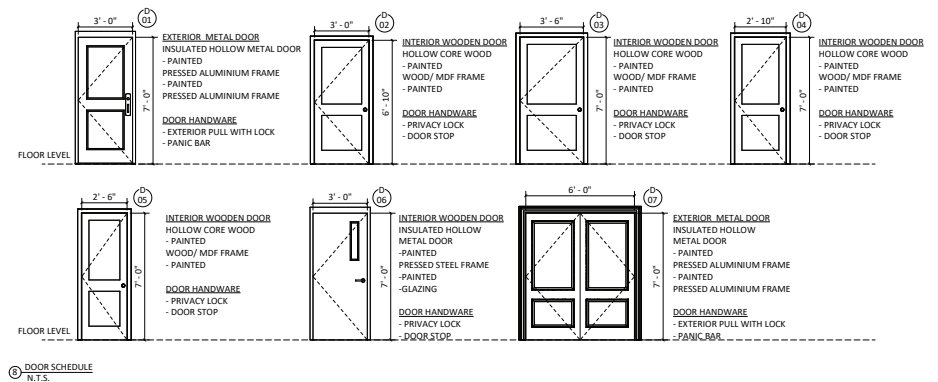


SCHEDULES & QUANTITY TAKE OFF



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

WINDOW SCHEDULE N.T.S.



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.

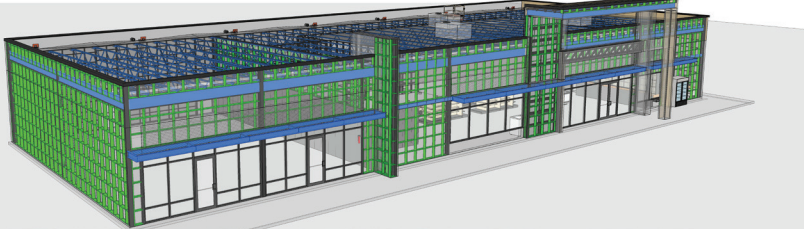
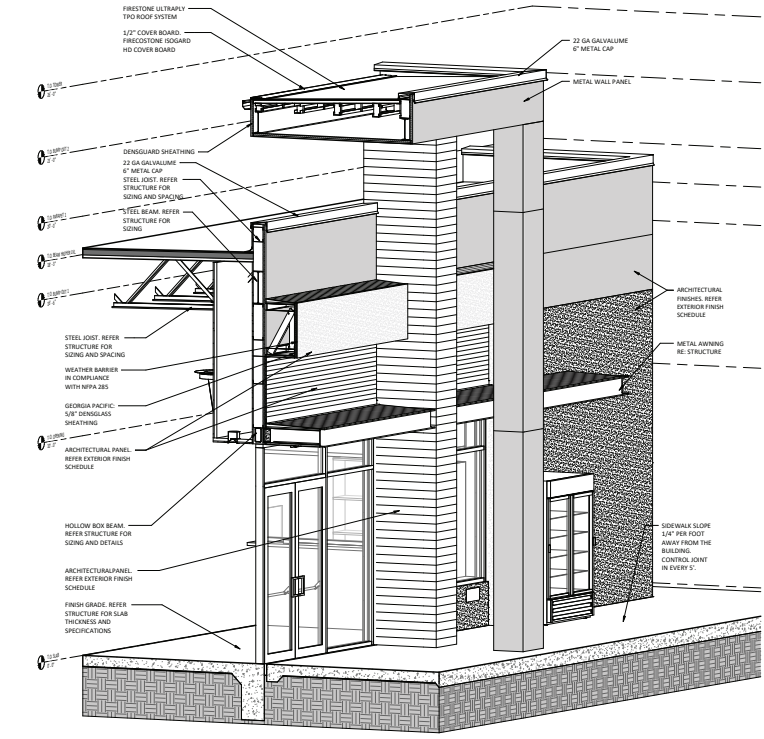
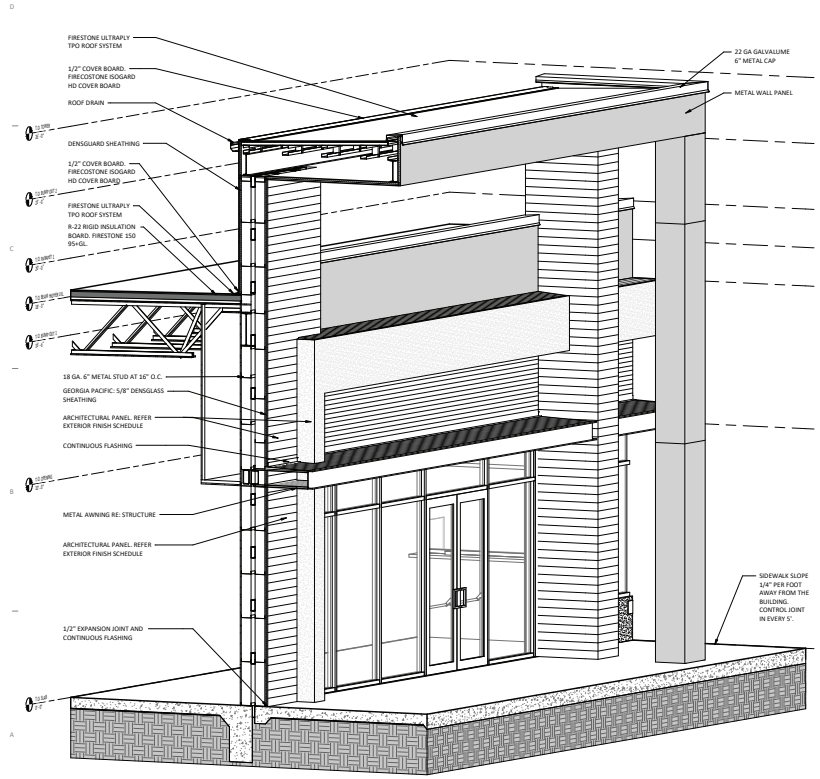
**TYPE**
Commercial

**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**

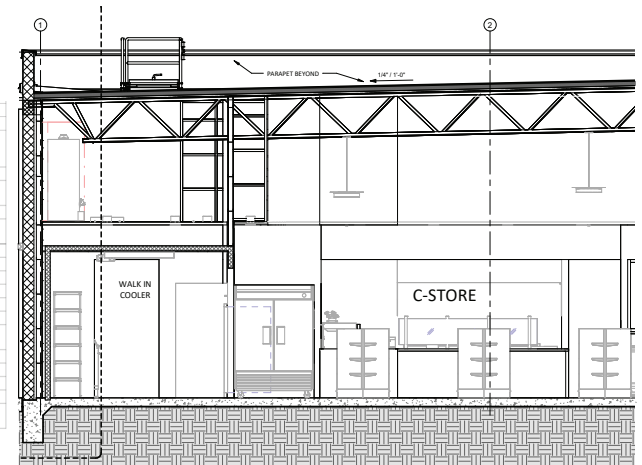
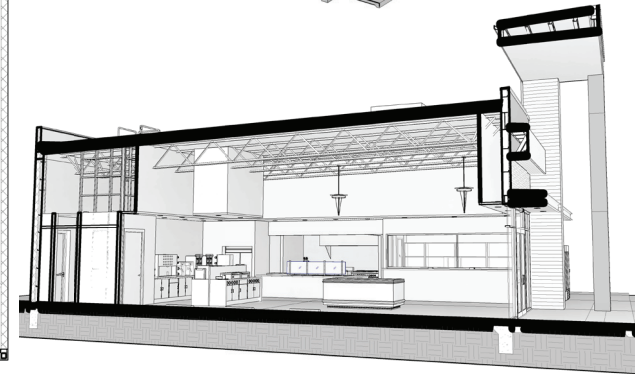
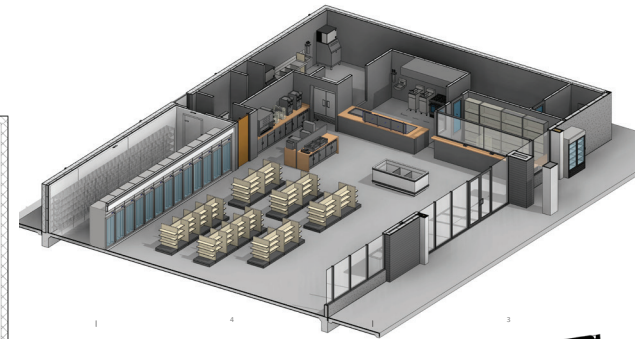
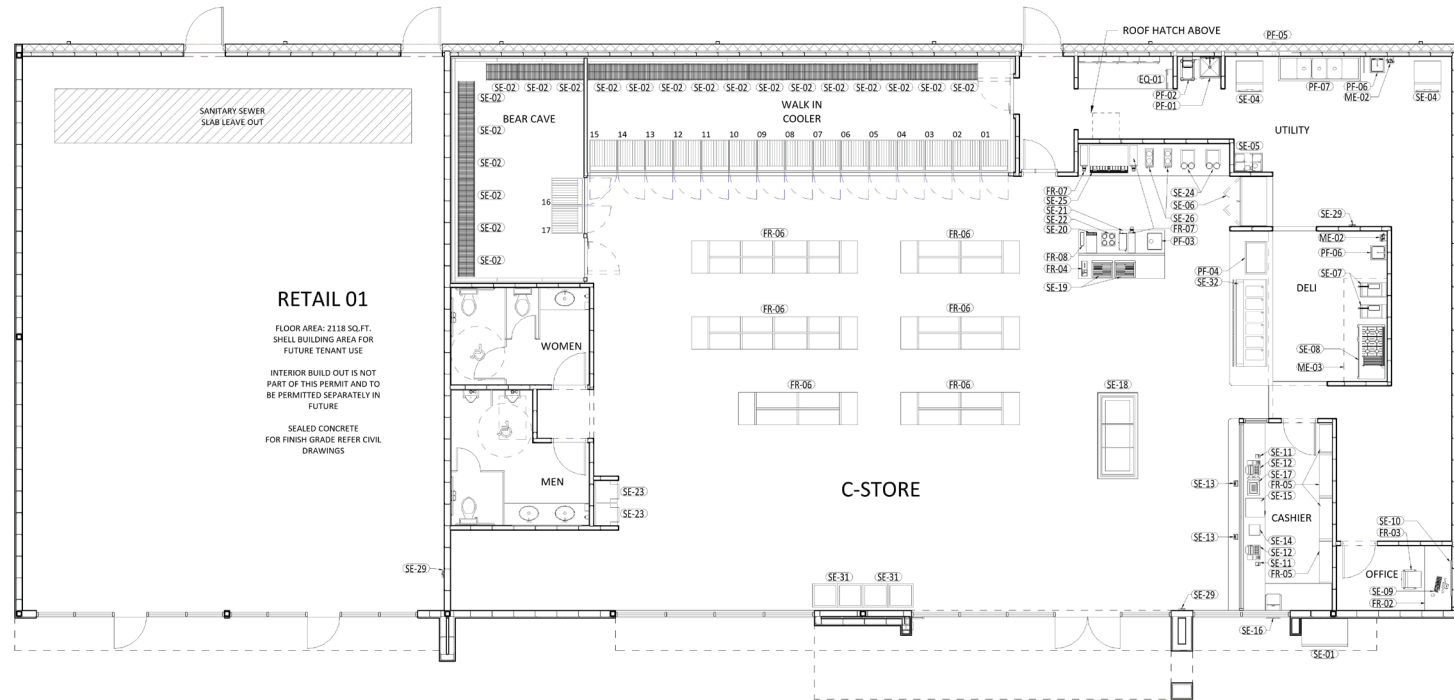
- Converted design intent into buildable geometry
- Resolved storefront, parapet and canopy interfaces
- Embedded materials and assembly requirements

**QUALITY-LED DEVELOPMENT**

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



BIM INTEGRATION | EQUIPMENT, FIXTURES AND FURNISHINGS



SE-03	WALK IN COOLER	1	-	-	COOLER WALL & DOORS BY OTHER	DB10005A	IDT1500A or D970	SE-20	COFFEE MACHINE-TYPE 1	1	BUNN	AXIOM-DV-TC	PF-05	CO2 CONNECTION	1	-	-	ADA COMPLIANT	
SE-04	AUTOMATIC BAGGING AND ICE DISPENSING SYSTEM	2	MANITOWOC ICE	-	-	-	-	SE-21	COFFEE MACHINE-TYPE 2	1	BUNN	BUNN_20900_0011	PF-06	HAND SINK	2	-	-	ADA COMPLIANT	
SE-05	BAG-IN-BOX SYRUP TANK W/ COMPRESSOR	1	-	-	CUSTOM MODEL BY VENDOR	-	-	SE-22	COFFEE WARMER	1	BUNN	-	PF-07	3 COMPARTMENT SINK	1	ADVANCE TABCO	94-3-54-18 RL	ROUNDED INTERNAL ANGLES & CORNER	
SE-06	2 DOOR REACH IN FREEZER	1	HUSSMAN	-	-	VRL3B3A	2 DOOR	SE-23	ATM MACHINE	2	-	-	ADA COMPLIANT	MECHANICAL EQUIPMENTS					
SE-07	FRYER	2	PITCO	-	-	VF35	-	SE-24	SLUSH/ ICE	2	BUNN	ULTRA-2P4F		ME-01	HOT WATER HEATER ABOVE CEILING	1	-	-	RE. PLUMBING FOR REACHMACHINE
SE-08	RANGE	1	RADIANCE	-	-	TARG2468B	-	SE-25	POST MIX DRINK DISPENSER WITH CARBONATOR	1	LANCER	IBD 44 12LEVS5		ME-02	WATER FILTER	2	-	-	RE-CHEMICAL DRAWING
SE-09	DESKTOP COMPUTER	1	-	-	-	-	-	SE-26	TEA BREWER/ DISPENSER	2	BUNN	ITB-DBC LP	ME-03	KITCHEN HOOD	1	CAPTIVE AIR	-	-	
SE-10	SECURITY SYSTEM	1	-	-	-	-	-	SE-27	FREEZER	-	TRUE	TS-49-HC	FURNISHINGS						
SE-11	CREDIT CARD S/LP PRINTER	2	-	-	-	GILBARCO SYSTEM	-	SE-28	FROZEN YOGURT	-	-	-	FR-01	ACCESS LADDER	1	IKEA	-	NOT USED	
SE-12	P.O.'S TERMINAL	2	-	-	-	GILBARCO SYSTEM	-	SE-29	FIRE EXTINGUISHER	3	-	-	FR-02	MANAGER'S DESK	1	IKEA	SKARSTA VOLMAR	-	
SE-13	CREDIT CARD SWIPE MACHINE	2	-	-	-	GILBARCO SYSTEM	-	SE-30	WORK CHAIR	1	-	-	FR-03	OFFICE CHAIR	1	IKEA	-	-	
SE-14	LOTTO MACHINE	1	-	-	-	-	-	SE-31	DISPLAY FREEZER	3	AVANTCO	B601CF31HC	FR-04	CONDIMENTS ACCESSORIES	1	-	-	-	
SE-15	UNDER COUNTER SAFE	1	TIDEL	-	-	TACC-HIA	-	SE-32	DROP IN HOT PAN	1	DUKE	-	FR-05	CIGARETTE RACK	3	CUSTOM	CUSTOM	CUSTOM	
SE-16	TRANSACTION DRAWER	1	TOTAL SECURITY SOLUTION	-	-	-	-	SE-33	MICROWAVE OVEN	-	-	-	FR-06	PRODUCT DISPLAY(GONDOLA)	6	CUSTOM	CUSTOM	CUSTOM	
SE-17	INTERCOM MASTER	1	-	-	-	-	-	SE-34	BOTTLED WATER COOLER	-	-	-	FR-07	CUP HOLDER	3	-	-	-	
SE-18	3 COMPARTMENT ICED DRINK MERCHANDISER	1	CUSTOM MODEL	-	-	ADA COMPLIANT	-	SE-35	FROZEN DRINK DISPENSER	-	CORNELIUS	VIPER 4	FR-08	LID HOLDER	1	-	-	-	
								PLUMBING FIXTURES					ELECTRICAL EQUIPMENTS						
								PF-01	SERVICE SINK(MOP SINK)	1	MUSTEE	63M	EQ-01	ELEC. PANEL/ TELE. PANEL	PER	-	-	-	RE. ELECTRICAL DWG.
								PF-02	MOP BUCKET	1	-	-							

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

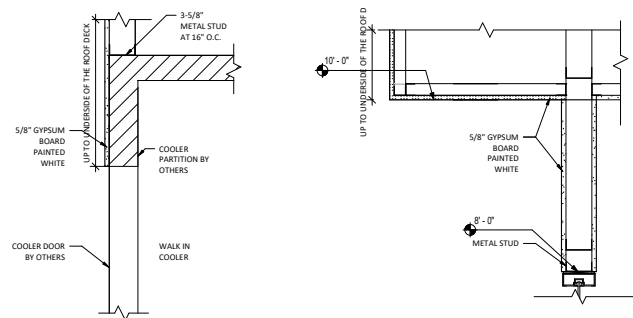
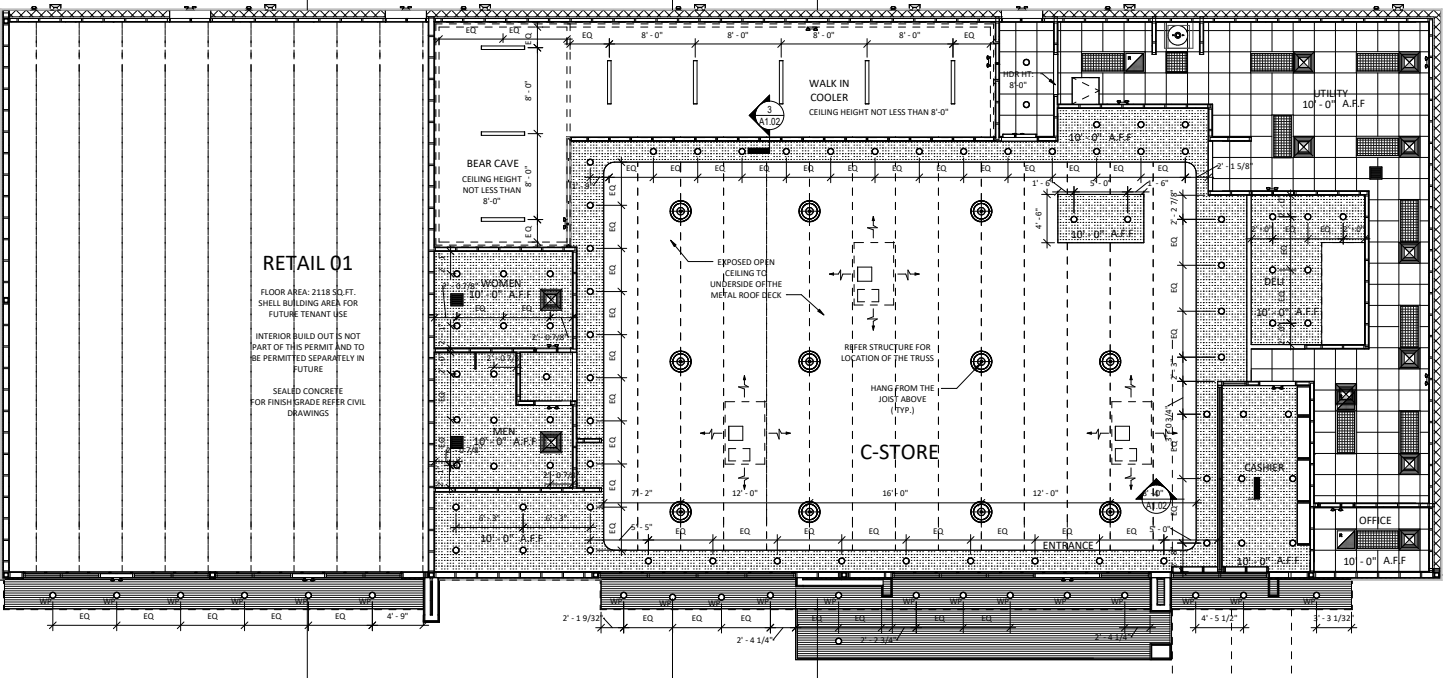
- Stucco, panel and CMU assemblies
- Detailed storefront, canopy and parapet interfaces
- Coordinated roofing, scuppers and downspouts

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

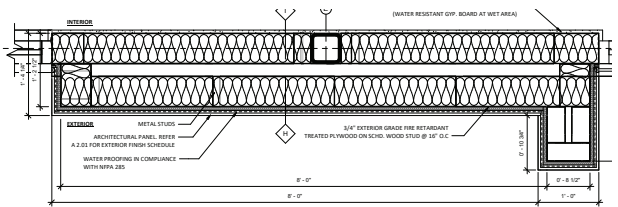
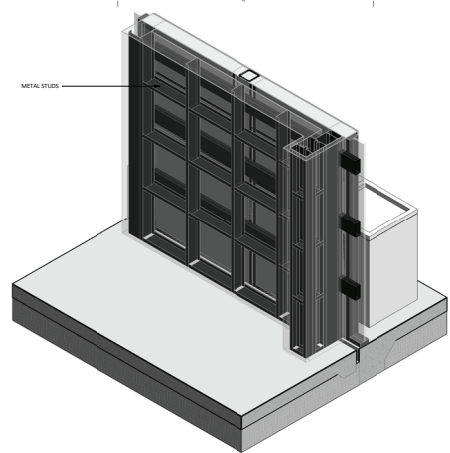
- SUSPENDED GYPSUM BOARD CEILING, PAINT WHITE (INSTALLED UNDER METAL STUD)
- 2'X2' ACOUSTICAL GRID LAY IN SUSPENDED CEILING TILE. COLOR: WHITE

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 42" 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)



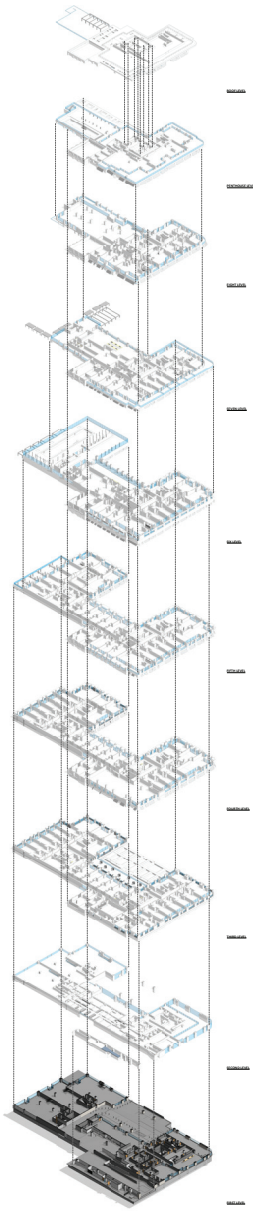
LOD
350



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

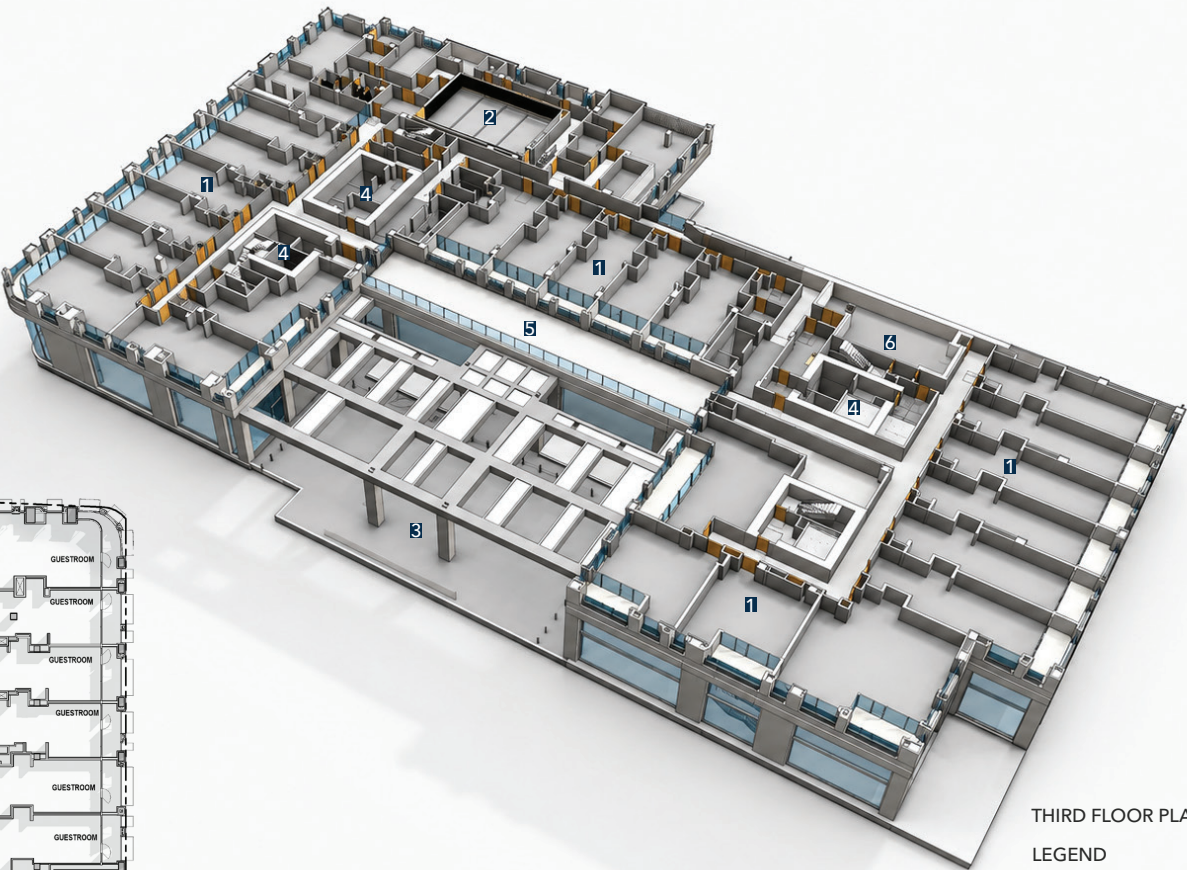
DALLAS | HOUSTON | SURAT | AHMEDABAD

 90 DAYS

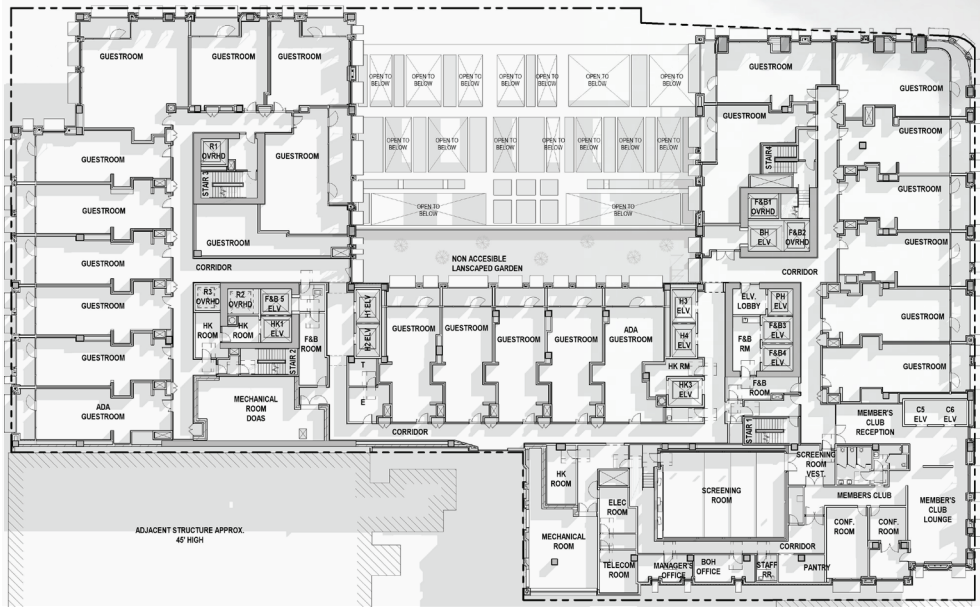
 **SDC**
STUDIO

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%	
	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

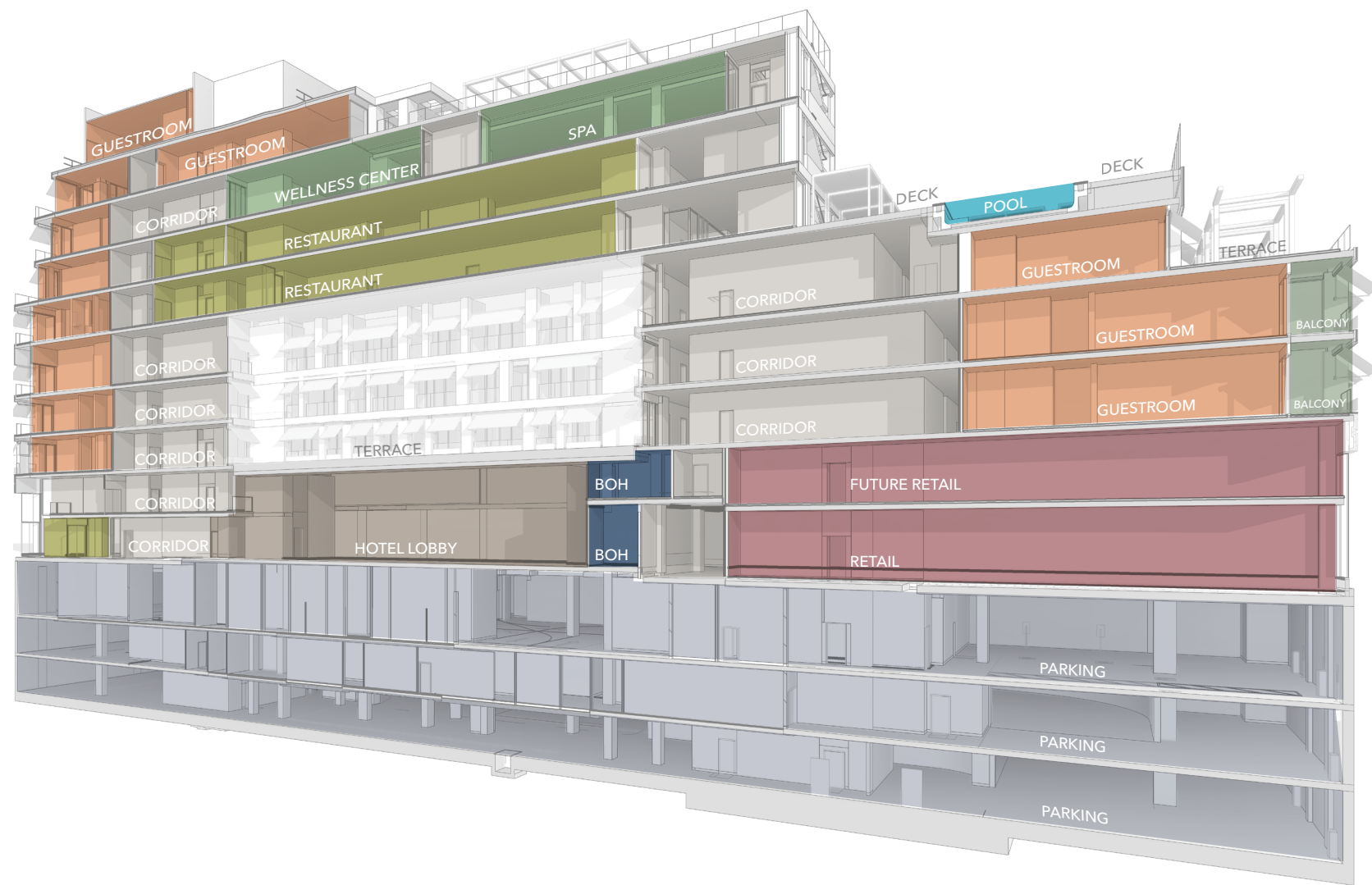
- Modeled arrival, dining, club, and wellness areas
- Integrated kitchens, and BOH support
- Coordinated guest, staff, and service movement

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



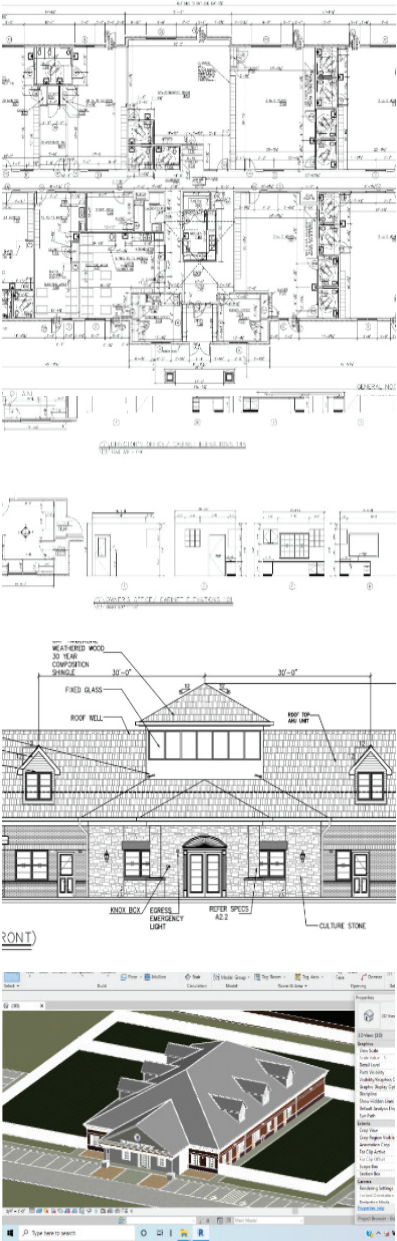
DALLAS | HOUSTON | SURAT | AHMEDABAD

90 DAYS

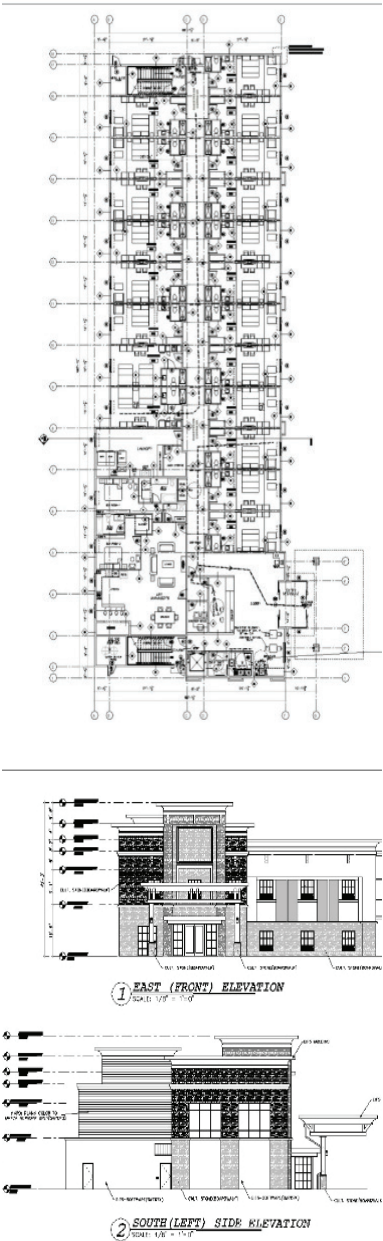


SDC
STUDIO

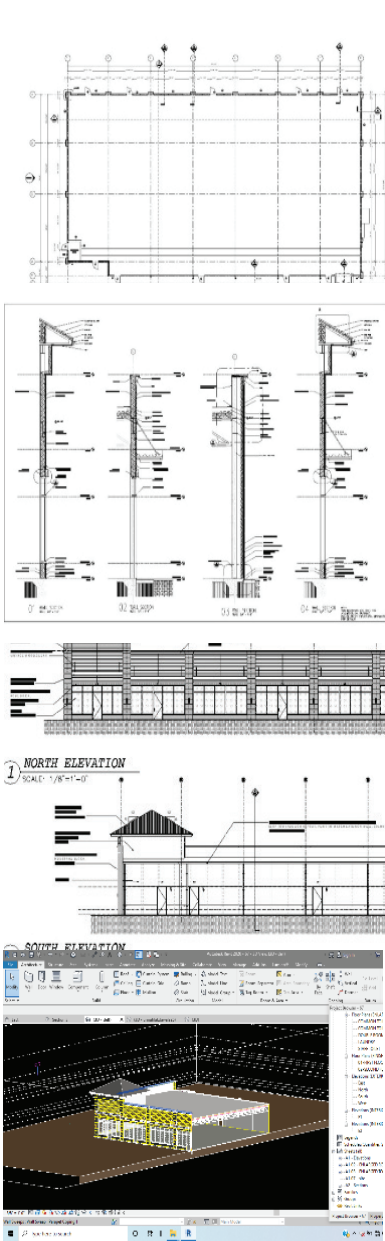
SCHOOL PROJECTS



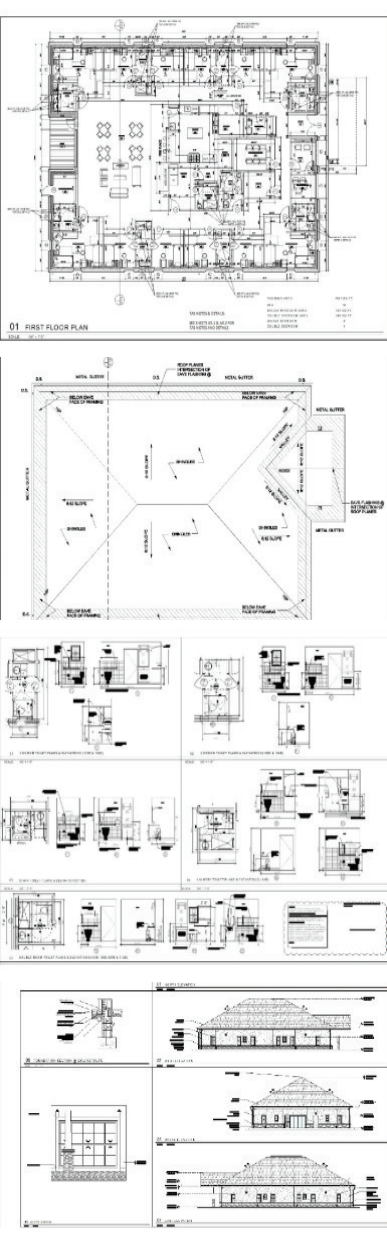
MOTEL PROJECTS

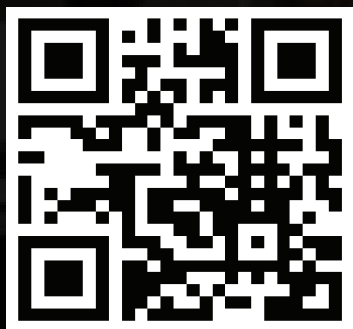


OFFICE PROJECTS



ASSISTED LIVING





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