

## Architectural SAIT Technologies

Consultant Address Address Phone Fax e-mail

# No. Description Date

Roshan M.
SEM 2 - MIXED

 Project number
 02

 Date
 24-04-2023

 Drawn by
 Roshan Mathew

 Checked by
 Checker

1/4" = 1'-0"

A00-01

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## **209 19 STREET NW**

**Roshan Mathew** 

Date 08-03-2023

LOCATION PLAYED AN IMMENSE ROLE IN DESIGN, TAKING INTO ACOUNT THE MOST RECENT CALGARY CENSUS ON THE NEIGHBORHOOD, AND THE FUTURE OF THIS DEVELOPING HIGH STREET. THIS INFORMATION WAS USED TO JUSTIFY THE LACK OF REQUIRED PARKING WHICH WOULD BE REPLACED BY PROTECTED BIKE PARKING FOR EACH TENANT.

THE PROPOSAL HAS 1 COMMERCIAL UNIT ON THE MAIN FLOOR. AND 5 RESIDENTIAL UNITS ON THE UPPER FLOORS. EACH RESIDENTIAL UNIT IS DESIGNED FOR STUDENTS AND YOUNG ADULTS WITH SPECIAL IMPORTANCE PUT ON NOISE CONTROL, AND SEPARATING SPACES WITHIN THE SMALL STUDIO UNITS. THIS WAS ACHIEVED THROUGH PLACING THE MAJORITY OF PLUMBING ON THE CORRIDOR WALLS, USING THE "HALL" IN EACH UNIT TO FURTHER SEPARATE RESIDENTS FROM THE PUBLIC CORRIDOR, AND USING THE 2-STOREY NATURE TO CATER EACH FLOOR TO A SPECIFIC PURPOSE. ALTHOUGH EACH UNIT IS SMALL, A RESIDENT IS NEVER TOO FAR AWAY FROM THE LARGE BALCONIES. KEEPING WITH THE THEME OF "FUTURE PROOFING", THE ASSEMBLIES FAR EXCEED THE MIN RSI REQUIRED BY CODE WHILE KEEPING THE DEW POINT OUTSIDE. ADDITIONALLY THIS HELPS PRESERVE HEAT/COLD WITHIN THE SMALL BUT LARGELY OPEN UNITS.

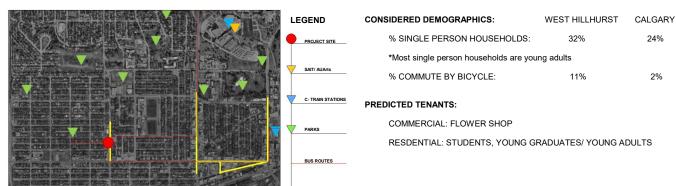
THE FACADE BORROWS PREDOMINANTLY FROM BRUTALIST ARCHITECTURE THROUGH BOTH ITS BARE APPEARANCE, AND EXPOSED SUPPORTING WALLS/ COLUMNS. FOCUS WAS PLACED ON GIVING A MODULAR APPEARANCE AND ESTABLISHING A RHYTHM WITH THE ANGULAR FACADE ELEMENTS. HINTS OF BRIGHT CYBER YELLOW ARE USED ON OPENINGS TO CONTRAST THE OTHERWISE MONOCHROMATIC CLADDING THOUGH IT ALSO PAIRS WELL WITH THE PLANTERS ON THE BALCONIES.

#### SITE INFO

#### SITE FACTORS:

HDD	MINIMUM DESIGN TEMP.	MAXIMUM DESIGN TEMP.	15MIN RAINFALL	ANNUAL RAINFALL	DRVING RAIN	WIND
5000	-32 C	28 C	23 MM	325 MM	220 Pa	WSW/ NNW

#### SURROUNDING CONTEXT:



#### **CASE STUDIES**





2%

TAKEAWAYS: RHYTHM, UNIT DESIGN

#### **URBAN BLOCK RENDERS**

**URBAN VILLAGE** 

**19 ST NW** 

THE FOLLOWING RENDERS SHOWCASE THE PROJECTS OF BOTH MYSELF AND MY PEERS. WHERE ALL PARCELS FALL UNDER CN-1. TOGETHER THESE HIGHLIGHT A HIDDEN PURPOSE BEHIND BYLAWS WHERE DESPITE THE DIFFERENT APPROACHES, THERE IS A CERTAIN UNITY TO ALL DESIGNS.

THE RECESSED RESIDENTIAL FACADE OF MY PROJECT "MASKS" THE THIRD STOREY. ALLOWING MY PROJECT TO CARRY THE APPARENT BUILDING HEIGHT OF BOTH MY NEIGHBORS. (REFER TO S VIEW)















No.	Description	Date
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Ros	han M.	

SEM 2 - MIXED USE Project Overview & Urban Village roiect number

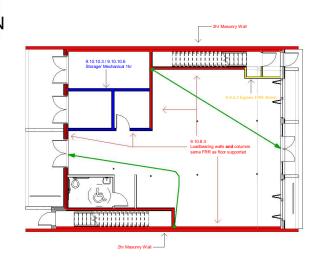
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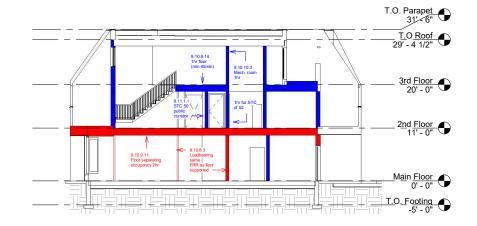
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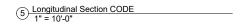
1/4" = 1'-0"

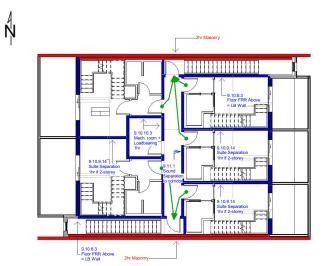
TAKEAWAYS: FACADE DESIGN

TAKEAWAYS: RECESSED FACADE, SEPARATION OF USE





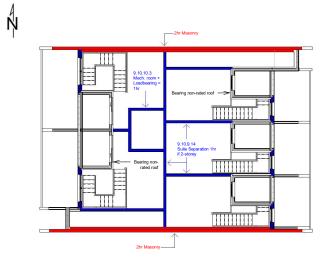






2 2nd Floor CODE 3/32" = 1'-0"





3 Mezzanine Floor CODE 3/32" = 1'-0"

#### **CODE REVIEW**

DESIGN OF SPACES/ EGRESS	CODE	ACTUAL	GENERAL NOTES
PUBLIC CORRIDOR SIZE (9.9.3.3)	1100mm MIN	1160mm	Proposed development falls under par 9 of the National Building Code (2019)
PROJECTION INTO CORRIDOR (9.9.5.3)	100mm MAX	0/ NONE	, ,
CEILING HEIGHTS (9.5.3.1)			MUNICIPAL ADDRESS
MAIN FLOOR	2110mm MIN	2908mm	209 19 STREET NW
SECOND FLOOR	2110mm MIN	2330mm	CALGARY, AB
THIRD FLOOR	2110mm MIN	2464mm	LEGAL ADDRESS
NUMBER OF REQUIRED EXITS (9.9.9.2/ 9.9.7.4)	2	2	LOT 6&7, BLOCK 22
RESIDENTIAL MAX TRAVEL DISTANCE	15.0M MAX	4.50M	·
COMMERCIAL MAX TRAVEL DISTANCE  MAX LENGHT DEAD END CORRIDOR	15.0M MAX 5.86M MAX	10.2M NONE	BUILDING HEIGHT 3 Storey
MAX LENGH I DEAD END CORRIDOR	5.86M MAX	NONE	BUILDING OCCUPANCY Group
EGRESS DOOR AND WINDOW SIZES (9.9.10.1)			545444 40 405444 00
EGRESS WINDOW SIZE	0.35 SQ M MIN	MEETS CODE	FAR MAX = 1.0 ACTUAL= 0.9
EGRESS DOORWAY CLEAR WIDTH	800mm MIN	914mm	STC RATINGS
EGRESS DOORWAY CLEAR HEIGHT	2032mm MIN	2134mm	DEMISING WALLS 5
STAIRS (mm) (9.8.2.1/ 9.8.4)			DEWISING WALLS 5.
EGRESS STAIR (RISE/RUN/WIDTH) Max Min Min	180mm, 280mm, 910mm	178mm, 280mm, 910mm	SECOND FLOOR 55
STAIR IN EAST FACING SUITES (RISE/RUN/WIDTH)	200mm, 255mm, 864mm	200mm, 267mm, 864mm	THIRD FLOOR N/
STAIR IN WEST FACING SUITES (RISE/RUN/WIDTH)	200mm, 255mm, 864mm	191mm, 267mm, 864mm	
CONTINUITY OF HANDRAILS (9.8.7.2)	GRASPABLE ENTIRE	YES	*Third Floor Assembly Has No Required STC - Each Unit Is 2-Storey
MIN CLEAR HEIGHT ABOVE STAIR (9.8.2.2)	LENGTH		
EGRESS	2060mm	YES	*More Detailed Assemblies and RSI calculations in A00-03
WITHIN SUITES	1956mm	2010mm	Calculations in A00-03
ASSEMBLY RSI RATINGS			*All RSI Minimums Assume <b>No</b> Heat- Recovery Ventilator  *FRR Required For Closures
ASSEMBLT RSI RATINGS			(9.10.13.1) Found In A00-04
EXTERIOR WALLS (9.36.2.6A)	MIN	ACTUAL	
2HR FRR MASONRY WALL: 7 5/8" CONCRETE BLOCKS + 6 1/2" FROST WALL	3.08	4.17 (135%)	
2HR FRR EXTERIOR WALL: W2s WITH FIBRE CEMENT CLADDING 2 LYRS 56" TYPE X GYPSUM + 3 1/2" INSULATION + 2 LYRS TYPE X SHEATHING	3.08	5.83 (189%)	
2 LYRS 5/8" TYPE X GYPSUM + 3 1/2" INSULATION + 2 LYRS TYPE X	3.08	5.83 (189%) 5.58 (181%)	
2 LYRS 58" TYPE X GYPSUM + 3 1/2" INSULATION + 2 LYRS TYPE X SHEATHING  1HR FRR EXTERIOR WALL: ULC W301 CUL W307 WITH FIBRE CEMENT			
2 LYRS 5/6" TYPE X GYPSUM + 3 1/2" INSULATION + 2 LYRS TYPE X SHEATTHING  1HR FRR EXTERIOR WALL: ULC W301 cull W307 WITH FIBRE CEMENT CLADDING  1 LYR 5/8" TYPE X GYPSUM + 3 1/2" INSULATION + 1 LYR TYPE X			
2 LYRS SIF TYPE X GYPSUM + 3 1/2" INSULATION + 2 LYRS TYPE X SHEATTHY SIF TYPE X SHEATTHY SIF TYPE X GYPSUM + 3 1/2" INSULATION + 1 LYR TYPE X GYPSUM + 3 1/2" INSULATION + 1 LYR TYPE X SHEATHING NON-RATED EXTERIOR WALL:	3.08	5.58 (181%)	
2 LYRS SIF TYPE X GYPSUM + 3 1/2" INSULATION + 2 LYRS TYPE X SHEATTHY SIF TYPE X SHEATTHY SIF TYPE X GYPSUM + 3 1/2" INSULATION + 1 LYR TYPE X GYPSUM + 3 1/2" INSULATION + 1 LYR TYPE X SHEATHING NON-RATED EXTERIOR WALL:	3.08	5.58 (181%)	
2 LYRS 5/6" TYPE X GYPSUM + 3 1/2" INSULATION + 2 LYRS TYPE X SHEATTHING  1HR FRR EXTERIOR WALL: ULC W301 cul. W307 WITH FIBRE CEMENT CLADDING  1 LYR 5/8" TYPE X GYPSUM + 3 1/2" INSULATION + 1 LYR TYPE X SHEATHING  NON-RATED EXTERIOR WALL:  FLOOR (9.36.2.8A)  SLAB ON GRADE: 6" CONCRETE SLAB, 6" RIGID INSULATION	3.08	5.58 (181%) 5.56 (181%)	
2 LYRS SIF TYPE X GYPSUM + 3 1/2* INSULATION + 2 LYRS TYPE X SHEATHING  1HR FRR EXTERIOR WALL: ULC W301 cul. W307 WITH FIBRE CEMENT CLADDING  1 LYR SIF TYPE X GYPSUM + 3 1/2* INSULATION + 1 LYR TYPE X SHEATHING  NON-RATED EXTERIOR WALL:  FLOOR (9.36.2.8A)  SLAB ON GRADE: 6* CONCRETE SLAB, 6* RIGID INSULATION	3.08	5.58 (181%) 5.56 (181%) 4.79 (129%)	
2 LYRS 5/6" TYPE X GYPSUM + 3 1/2" INSULATION + 2 LYRS TYPE X SHEATHING  1HR FRR EXTERIOR WALL: ULC W301 dul W307 WITH FIBRE CEMENT CLADDING  1 LYR 5/8" TYPE X GYPSUM + 3 1/2" INSULATION + 1 LYR TYPE X SHEATHING NON-RATED EXTERIOR WALL:  FLOOR (9.36.2.8A)  SLAB ON GRADE: 6" CONCRETE SLAB, 6" RIGID INSULATION  ROOFS (9.36.2.6A)	3.08 3.08 3.72	5.58 (181%) 5.56 (181%)	
2 LYRS SIE TYPE X GYPSUM + 3 1/2' INSULATION + 2 LYRS TYPE X SHEATIFING  1HR FRR EXTERIOR WALL: ULC W301 ULL W307 WITH FIBRE CEMENT CLADDING  1.1 YR SIE TYPE X GYPSUM + 3 1/2' INSULATION + 1 LYR TYPE X SHEATIFING  NON-RATED EXTERIOR WALL:  FLOOR (9.36.2.8A)  SLAB ON GRADE: 6' CONCRETE SLAB, 6' RIGID INSULATION  ROOFS (9.36.2.6A)  2HR FRR INSET BALCONY: ICC-ES ESR-1153 Assembly G 'CALCULATIONS IN A00-03  1HR FRR INSET BALCONY: F4a	3.08 3.08 3.72	5.58 (181%) 5.56 (181%) 4.79 (129%)	
2 LYRS SIE TYPE X GYPSUM + 3 1/2" INSULATION + 2 LYRS TYPE X SHEATHING  1HR FRR EXTERIOR WALL: ULC W301 GUL W307 WITH FIBRE CEMENT CLADDING  1 LYR SIE TYPE X GYPSUM + 3 1/2" INSULATION + 1 LYR TYPE X SHEATHING  NON-RATED EXTERIOR WALL:  FLOOR (9.36.2.8A)  SLAB ON GRADE: 6" CONCRETE SLAB, 6" RIGID INSULATION  ROOFS (9.36.2.6A)  2HR FRR INSET BALCONY: ICC-ES ESR-1153 Assembly G  "CALCULATIONS IN A00-03	3.08 3.08 3.72	5.58 (181%) 5.56 (181%) 4.79 (129%) 7.07 (141%)	



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#### FIRE RATED ASSEMBLIES & STC RATINGS

FIRE RATED FLOORS & ROOFS 9.10.3.1.-B

FIRE RATED ASSEMBLIES &

FIRE RATED WALLS 9.10.3.1.-A

STC RATINGS

1HR FRR EXTERIOR WALL: ULC W301 cUL W307 WITH FIBRE CEMENT CLADDING

INTERIOR WALLS

1 LYR 1/2" TYPE X GYPSUM BOTH SIDES + 3 1/2" INSULATION

2HR FRR FLOOR: ICC-ES ESR-1153 Assembly G 2 LYR 5/8" TYPE C GYPSUM, RESILIENT CHANNEL, 1 LYR TYPE C GYPSUM, 1" SUBFLOOR

1HR FRR INSET BALCONY: F4a + CONCRETE TOPPING

2 LYR 5/8" TYPE X GYPSUM, 1" SHEATHING

NBC: 9.10.9.11

FLOOR SEPARATING OCCUPANCY 2HR FRR AS PER NBC

NBC: 9.10.10.3 & 9.10.10.6 ALL STORAGE AND MECHANICAL ROOMS HAVE MIN FRR OF 1HR

NBC: 9.10.8.3

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Description

Date

Roshan M.	
SEM 2 - MIXED	
CODE	
Project number	02
Date	24-04-2023
Drawn by	Roshan Mathew
Checked by	Checker
A00-03	

As indicated

#### **RSI CALCULATIONS** NOTE: All thermal resistance values were gathered from Table A-9.36.2.4.(1) in the National Building Code, All STC ratings of assemblies were gathered from **Table 9.10.3.1.-A** and **Table 9.10.3.1.-B** in the National Building Code. Part 9 Division B For balcony sloped insulation, assumed 0' 1" drop for every 4' 0" (2% slope) W1a W1a 2HR FRR MASONRY WALL + FROST WALL CONCRETE CMU AIR GAP 0.150 2X6" WOOD STUDS WITH R24 BATT 2.80 TOTAL RSI = 4.17 GYPSUM BOARD 0.077 INT & FXT AIR FILM 0.15 W2 EXTERIOR WALL NON-RATED FIBRE CEMENT ROCKWOOL COMFORTBOARD 3.52 SHEATHING 0.155 2X4" WOOD STUDS WITH R14 BATT 1.62 TYPE X GYPSUM BOARD 0.077 0.15 INT & FXT AIR FILM W4 EXTERIOR WALL 1HR FRR FIBRE CEMENT 0.038 ROCKWOOL COMFORTBOARD 3.52 SHEATHING 0.155 TOTAL RSI = 5.58 2X4" WOOD STUDS WITH R14 BATT 1.62 TYPE X GYPSUM BOARD 0.097 INT & EXT AIR FILM 0.15 W5 EXTERIOR WALL 2HR FRR FIBRE CEMENT 0.038 ROCKWOOL COMFORTBOARD 3.52 0.310 TOTAL RSI = 5.83 2X4" WOOD STUDS WITH R14 BATT 1.62 TYPE X GYPSUM BOARD 0.194 INT & EXT AIR FILM 0.15 F1 SLAB ON GRADE RIGID INSULATION 4.57 INT. AIR FILM 0.16 TOTAL RSI = 4.79 CONCRETE SLAB 0.061 R2 | 2HR FRR INSET BALCONY EPDM MEMBRANE ROOF BOARD 0.229 RIGID INSULATION (MIN) 4.28 SHEATHING 0.249 11 7/8" TJI JOISTS @ MAX 19.2" O.C. 1.88 GYPSUM BOARD 0.291 INT & EXT AIR FILM 0.14 R3 1HR FRR INSET BALCONY EPDM MEMBRANE ROOF BOARD 0.229 RIGID INSULATION (MIN) 4.76 TOTAL RSI = 7.45 14" TJI JOISTS @ MAX 19.2 " O.C. WITH SPRAY FOAM INSULATION 1.88 GYPSUM BOARD 0.194 INT & EXT AIR FILM 0.14 R4 NON-RATED ROOF EPDM MEMBRANE ROOF BOARD SLOPED RIGID INSULATION (MIN) 5.14 SHEATHING 0.249 14" TJI JOISTS @ MAX 24" O.C. 2.29 GYPSUM BOARD 0.077 INT & EXT AIR FILM 0.14

#### **INTERIOR WALL TYPES EXTERIOR WALL TYPES**

W1 2HR FRR MASONRY WALL

2HR FRR MASONRY WALL +

(W2) EXTERIOR WALL NON-RATED

(w3) EXTERIOR WALL NON-RATED

W4 EXTERIOR WALL 1HR FRR

(BELOW SLANTED WALL)

RSI: 5.56 (CODE MIN: 3.08)

RSI: 5.58 (CODE MIN: 3.08)

FROST WALL

RSI: REFER TO W1a

WOOD STUDS @ 24" O.C.

5 1/2" R24 BATT INSULATION 6MIL POLY VAPOUR BARRIER

1/2" GYPSUM BOARD

FURING STRIPS

1 LYR AV RETARDER

3 1/2" R14 BATT INSULATION

1/2" GYPSUM BOARD

2 1/2" ROCKWOOL COMFORTBOARD 80

2 1/2" ROCKWOOL COMFORTBOARD 80

2 1/2" ROCKWOOL COMEORTBOARD 8

2 1/2" ROCKWOOL COMFORTBOARD 8

2 1/2" ROCKWOOL COMFORTBOARD 80

2X4" WOOD STUDS @ 16" O.C.

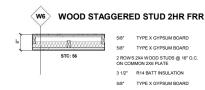
3 1/2" R14 BATT INSULATION

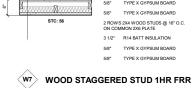
1 LYR AV RETARDER 5/8" SHEATHING

1 LYR AV RETARDER

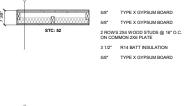
1/2" GYPSUM BOARD

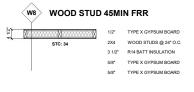
5/8" SHEATHING 2X6" WOOD STUDS @ 16" O.C.

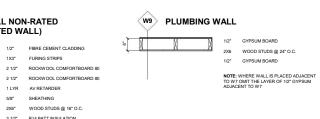




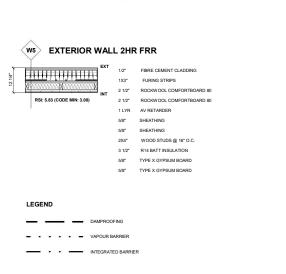








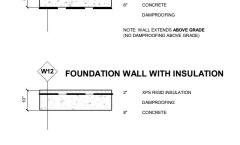




MAX VERTICLE FASTENER SPACING FOR FIBRE CEMENT CLADDING: 12

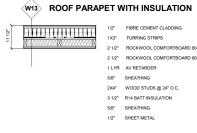
 $^{\fbox{\sc h}}$  FASTENER MUST BE MADE OUT OF STAINLESS OR GALVANIZED STEEL





W11 FOUNDATION WALL NO INSULATION

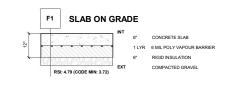
#### PARAPET WALL TYPES







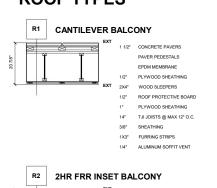
#### **FLOOR TYPES**

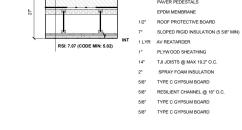


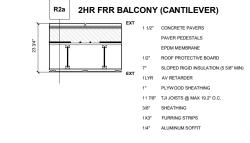


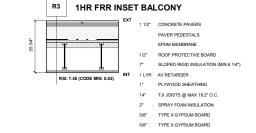


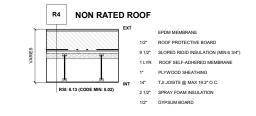
#### **ROOF TYPES**















Consultant Address Address Phone Fax

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Project number

Drawn by

Checked by

A00-04

02 24-04-2023 Roshan Mathew Checker As indicated

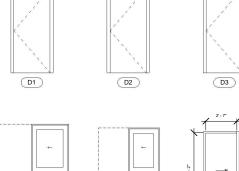
	Door Schedule									
Mark	Type Mark	Family and Type	Rough Height	Rough Width	Height	Width	Fire Rating	Comments		
Main F	loor									
101	D1	Single-Flush: 36" x 84" Exterior 45MIN	7' - 1 1/2"	3' - 2"	7' - 0"	3' - 0"	45 MIN	Exterior Door		
102	D2	Single-Flush: 36" x 84" Interior 45MIN	7' - 1 1/2"	3' - 2"	7' - 0"	3' - 0"	45 MIN			
103	D1	Single-Flush: 36" x 84" Exterior 45MIN	7' - 1 1/2"	3' - 2"	7' - 0"	3' - 0"	45 MIN	Exterior Door		
104	D4	Door-Exterior-Dou ble: 72" x 84"	7' - 4"	6' - 4"	7' - 0"	6' - 0"	1.5 HR	Mech. Room		
105	D4	Door-Exterior-Dou ble: 72" x 84"	7' - 4"	6' - 4"	7' - 0"	6' - 0"	1.5 HR	Mech. Room		
106	D2	Single-Flush: 36" x 84" Interior 45MIN	7' - 1 1/2"	3' - 2"	7' - 0"	3' - 0"	45 MIN			
107	D3	Single-Flush: 36" x 84" Non-Rated	7' - 1 1/2"	3' - 2"	7' - 0"	3' - 0"				
108	D13	Door-Curtain-Wall -Single-Glass: STR			7' - 10 3/4"	2' - 9"		Storefront Door		
109	D13	Door-Curtain-Wall -Single-Glass: STR			7' - 10 3/4"	2' - 9"		Storefront Door		

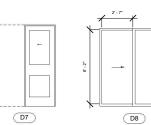
				Door	Schedule		Door Schedule									
Mark	Type Mark	Family and Type	Rough Height	Rough Width	Height	Width	Fire Rating	Comments								
2nd Fl	oor															
201	D2	Single-Flush: 36" x 84" Interior 45MIN	7' - 1 1/2"	3' - 2"	7' - 0"	3' - 0"	45 MIN									
202	D2	Single-Flush: 36" x 84" Interior 45MIN	7' - 1 1/2"	3' - 2"	7' - 0"	3' - 0"	45 MIN									
203	D2	Single-Flush: 36" x 84" Interior 45MIN	7' - 1 1/2"	3' - 2"	7' - 0"	3' - 0"	45 MIN	Suite Entrand								
204	D2	Single-Flush: 36" x 84" Interior 45MIN	7' - 1 1/2"	3' - 2"	7' - 0"	3' - 0"	45 MIN	Suite Entrand								
205	D2	Single-Flush: 36" x 84" Interior 45MIN	7' - 1 1/2"	3' - 2"	7' - 0"	3' - 0"	45 MIN	Suite Entrand								
206	D2	Single-Flush: 36" x 84" Interior 45MIN	7' - 1 1/2"	3' - 2"	7' - 0"	3' - 0"	45 MIN	Suite Entrand								
207	D2	Single-Flush: 36" x 84" Interior 45MIN	7' - 1 1/2"	3' - 2"	7' - 0"	3' - 0"	45 MIN	Suite Entrand								
208	D1	Single-Flush: 36" x 84" Exterior 45MIN	7' - 1 1/2"	3' - 2"	7' - 0"	3' - 0"	45 MIN	Mech. Rooi								
209	D7	Door-Interior-Singl e-Pocket-2_Panel- Wood: 30" x 80"	7' - 0 1/2"	5' - 1"	6' - 8"	2' - 6"		Pocket Doo								
210	D6	Door-Interior-Singl e-Pocket-2_Panel- Wood: 36" x 84"	7' - 4 1/2"	6' - 1"	7' - 0"	3' - 0"		Pocket Doo								
212	D5	Single-Flush: 30" x 84"	7' - 1 1/2"	2' - 8"	7' - 0"	2' - 6"										
213	D3	Single-Flush: 36" x 84" Non-Rated	7' - 1 1/2"	3' - 2"	7' - 0"	3' - 0"										
214	D7	Door-Interior-Singl e-Pocket-2_Panel- Wood: 30" x 80"	7' - 0 1/2"	5' - 1"	6' - 8"	2' - 6"		Pocket Doo								
215	D6	Door-Interior-Singl e-Pocket-2_Panel- Wood: 36" x 84"	7' - 4 1/2"	6' - 1"	7' - 0"	3' - 0"		Pocket Doo								
217	D5	Single-Flush: 30" x 84"	7' - 1 1/2"	2' - 8"	7' - 0"	2' - 6"										
218	D3	Single-Flush: 36" x 84" Non-Rated	7' - 1 1/2"	3' - 2"	7' - 0"	3' - 0"										
219	D7	Door-Interior-Singl e-Pocket-2_Panel- Wood: 30" x 80"	7' - 0 1/2"	5' - 1"	6' - 8"	2' - 6"		Pocket Doo								
220	D6	Door-Interior-Singl e-Pocket-2_Panel- Wood: 36" x 84"	7' - 4 1/2"	6' - 1"	7' - 0"	3' - 0"		Pocket Doo								
222	D8	Door-Double-Slidi ng: 68" x 84"	6' - 7 1/2"	5' - 10"	6' - 6"	5' - 8"		Balcony, Sill Height = 1								
223	D8	Door-Double-Slidi ng: 68" x 84"	6' - 7 1/2"	5' - 10"	6' - 6"	5' - 8"		Balcony, Sill Height = 0'								
224	D8	Door-Double-Slidi ng: 68" x 84"	6' - 7 1/2"	5' - 10"	6' - 6"	5' - 8"		Balcony, Sill Height = 1								
225	D8	Door-Double-Slidi ng: 68" x 84"	6' - 7 1/2"	5' - 10"	6' - 6"	5' - 8"		Balcony, Sill Height = 0'								
226	D8	Door-Double-Slidi ng: 68" x 84"	6' - 7 1/2"	5' - 10"	6' - 6"	5' - 8"		Balcony, Sill Height = 1								

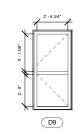
	Door Schedule									
Mark	Type Mark		Rough Height	Rough Width	Height	Width	Fire Rating	Comments		
3rd Flo	oor									
301	D9	Window Door-Westcoast_ Windows-FDG: FDG Triple Glazed 36mm	6' - 8 3/8"	3' - 4 1/8"	6' - 8"	3' - 3 3/8"		Balcony Door, Sill Height = 1' 2 1/8"		
302	D9	Window Door-Westcoast_ Windows-FDG: FDG Triple Glazed 36mm	6' - 8 3/8"	3' - 4 1/8"	6' - 8"	3' - 3 3/8"		Balcony Door, Sill Height = 1' 2 1/8"		
303	D9	Window Door-Westcoast_ Windows-FDG: FDG Triple Glazed 36mm	6' - 8 3/8"	3' - 4 1/8"	6' - 8"	3' - 3 3/8"		Balcony Door, Sill Height = 1' 2 1/8"		
304	D10	Door-Double-Slidi ng: 72" x 84"	6' - 7 1/2"	6' - 2"	6' - 6"	6' - 0"		Balcony Door, Sill Height = 1' 2 1/8"		
305	D10	Door-Double-Slidi ng: 72" x 84"	6' - 7 1/2"	6' - 2"	6' - 6"	6' - 0"		Balcony Door, Sill Height = 1' 2 1/8"		

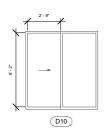
		ng. 72 x 64								1 2 1/0
	Window Schedule									
Type Mark	Count	Family and Type	Rough Height	Rough Width	Height			Manufacturer	Comments	Sill Height
2nd Fl	oor									
20	2	(I) Window-M C-Picture- Loewen-1 Wide: PS1 0303	4' - 0 3/4"	2' - 0"	4' - 0"	1' - 11 1/4"	Picture	Loewen	PS1 0303	3' - 0"
3rd Flo	oor		•							•
30	4	(I) Window-M C-Picture- Loewen-1 Wide: PS1 0912 (A)	4' - 0"	3' - 0 1/4"	3' - 11 1/4"	2' - 11 1/2"	Picture	Loewen	PS1 0912	3' - 8 1/2"
40	3	(I) Window-M C-Picture- Loewen-1 Wide: PS1 0912 (B)	4' - 0"	3' - 0 1/4"	3' - 11 1/4"	2' - 11 1/2"	Picture	Loewen	PS1 0912	3' - 10 1/2"

#### DOOR LEGEND

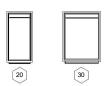








#### **WINDOW LEGEND**



D6

#### **GENERAL NOTES**

ALL DOORS CONFORM TO REQUIRED FRR - NBC: 9.10.13.1

ALL DOORS AND WINDOWS ACTING AS EGRESS CONFORM TO MINIMUM SIZE REQUIRED BY NBC ARTICLES:

DOOR SIZE: 9.9.6.2, 9.9.6.3 WINDOW SIZE: 9.9.10.1

ALL STEEL FRAMED DOORS CONFORM TO PERFORMANCE REQUIREMENTS IN CAN/ULC-S105 - NBC: 9.10.13.6

#### DOOR & WINDOW FINISHES:

DOORS WITHIN SUITES (NOT SUITE ENTRANCE):

FRAME: GUNMETAL GRAY ALUMINIUM PANEL: YELLOW ALUMINIUM

MAIN FLOOR, EXTERIOR, EGRESS, MECH. ROOM, AND SUITE ENTRANCE DOORS:

FRAME: CYBER YELLOW STEEL PANEL: GUNMETAL GRAY STEEL

WINDOW FRAMES: CYBER YELLOW ALUMINIUM

STOREFRONT MULLIONS: CYBER YELLOW STEEL



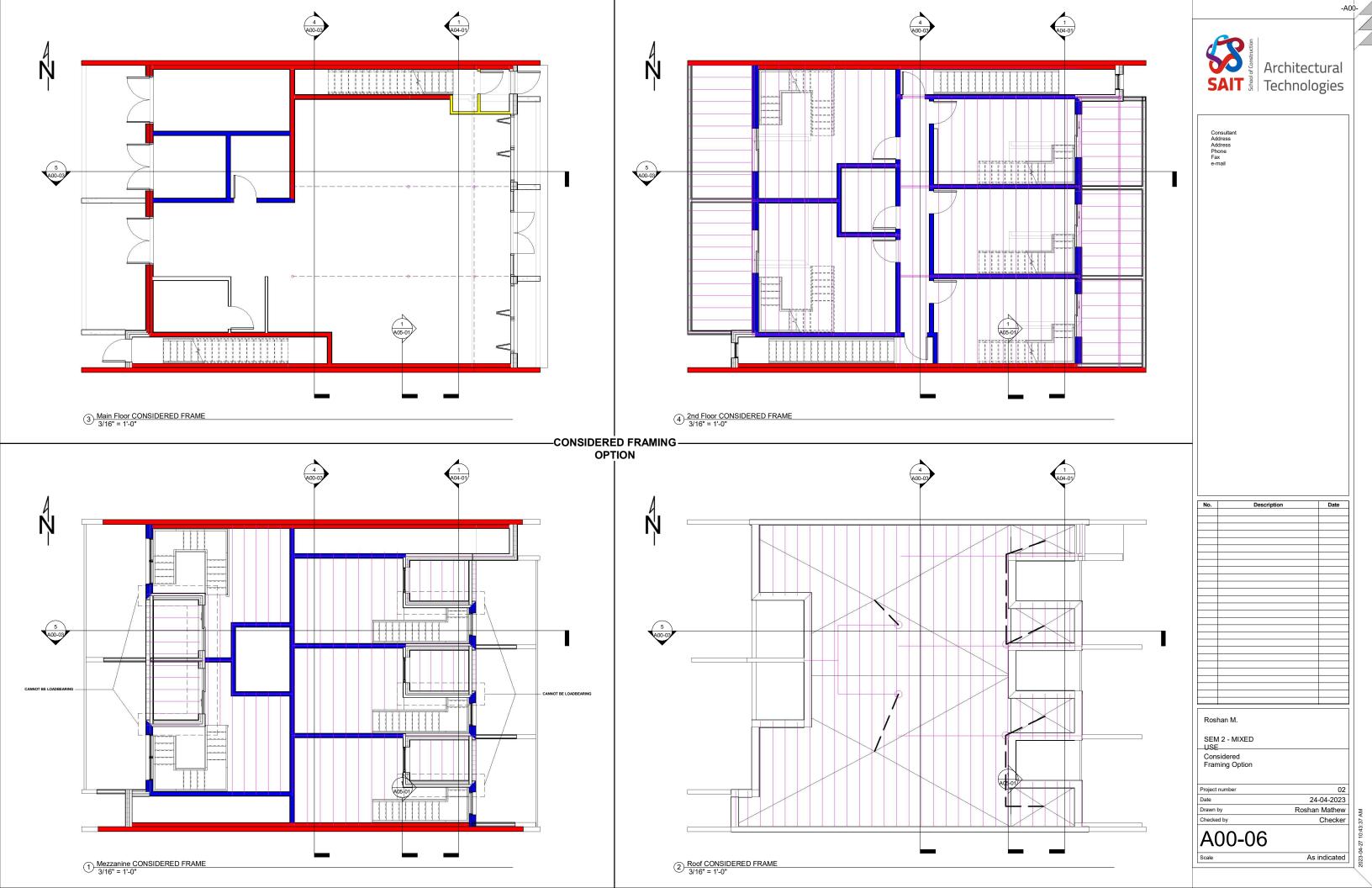
Consultant Address Address Phone Fax e-mail

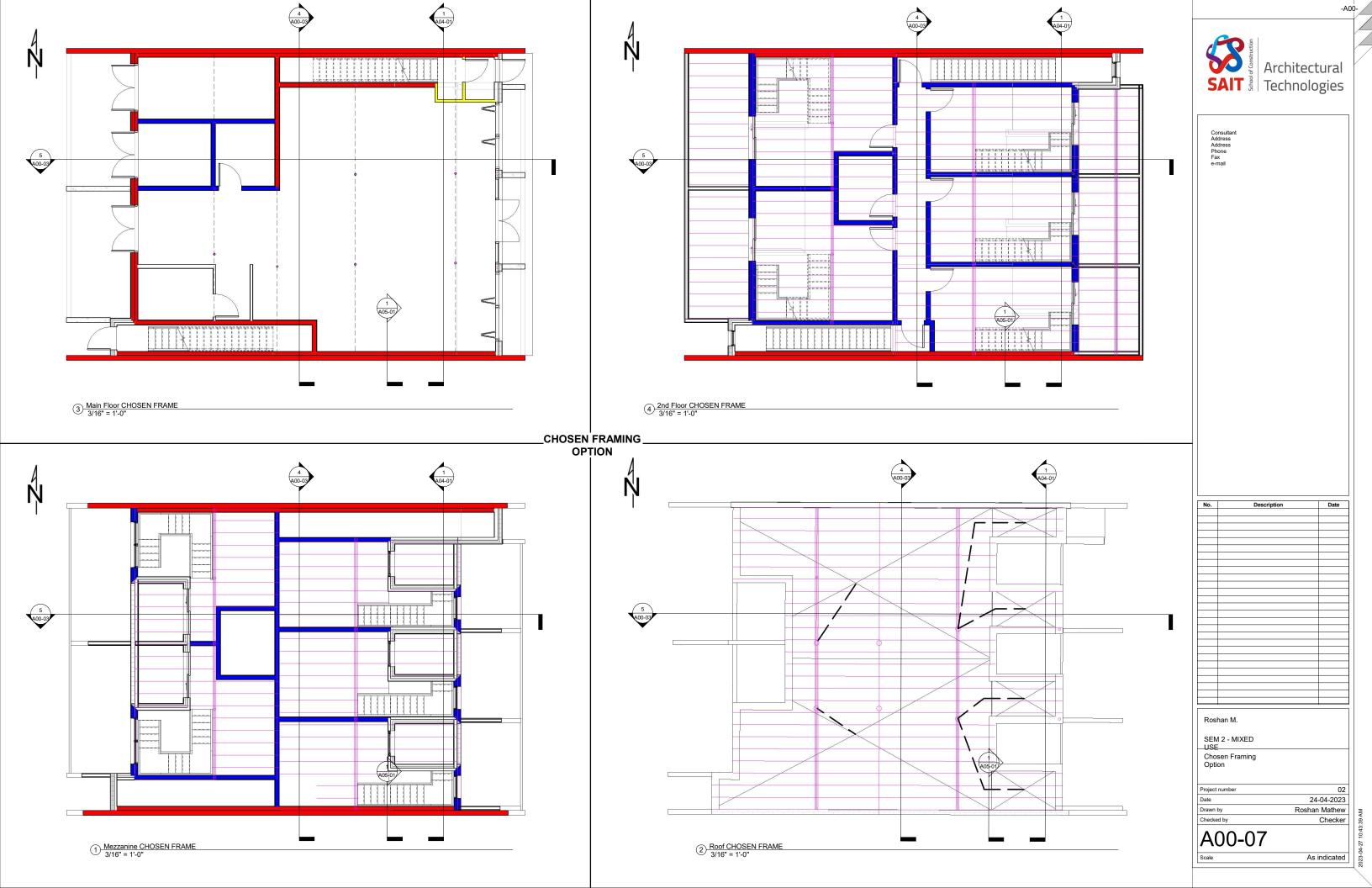
Dool	han M	

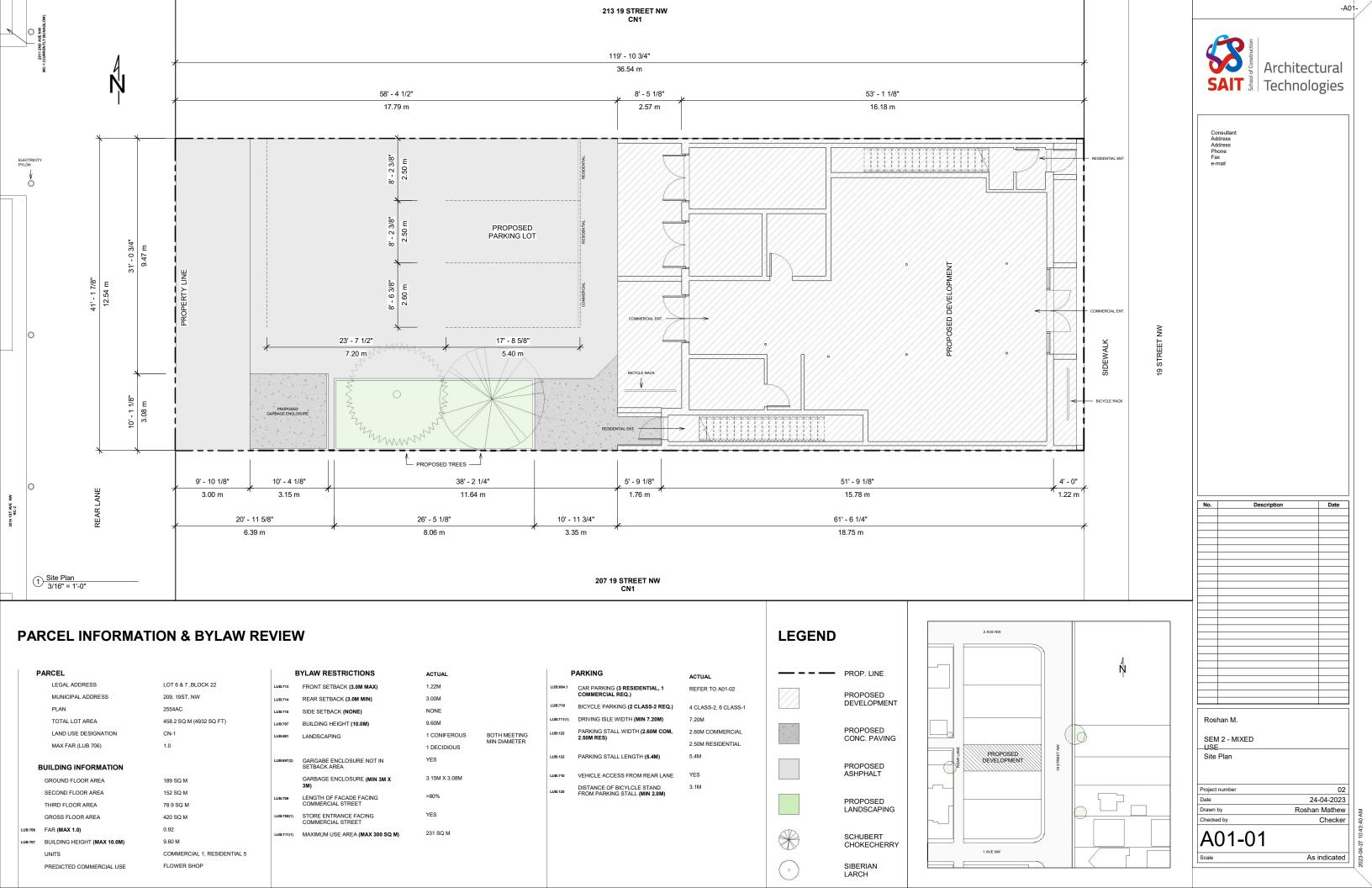
Date

Roshan M.	
SEM 2 - MIXED USE	
Door and Window Schedule	
Project number	02
Date	24-04-2023
Drawn by	Roshan Mathew
Checked by	Checker

A00-05

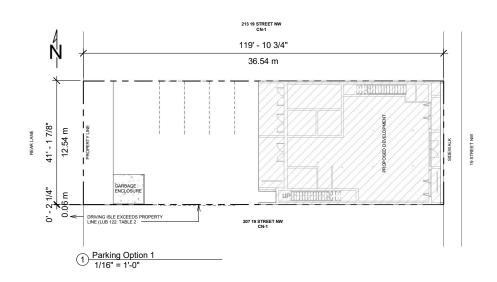


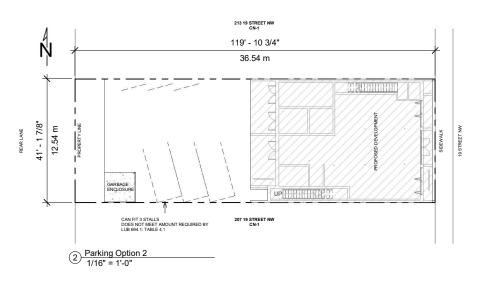




#### PARKING EXAMPLE 1

#### **PARKING EXAMPLE 2**





#### PROPOSED TENANTS

**5 RESIDENTIAL TENANTS** (3 REQUIRED PARKING STALLS)

1 COMMERCIAL TENANT (1 REQUIRED PARKING STALL)

BASED ON THE PARCEL AND DESIGN DIMENSIONS, ONLY A MAXIMUM OF 3 PARKING STALLS CAN BE PROVIDED.

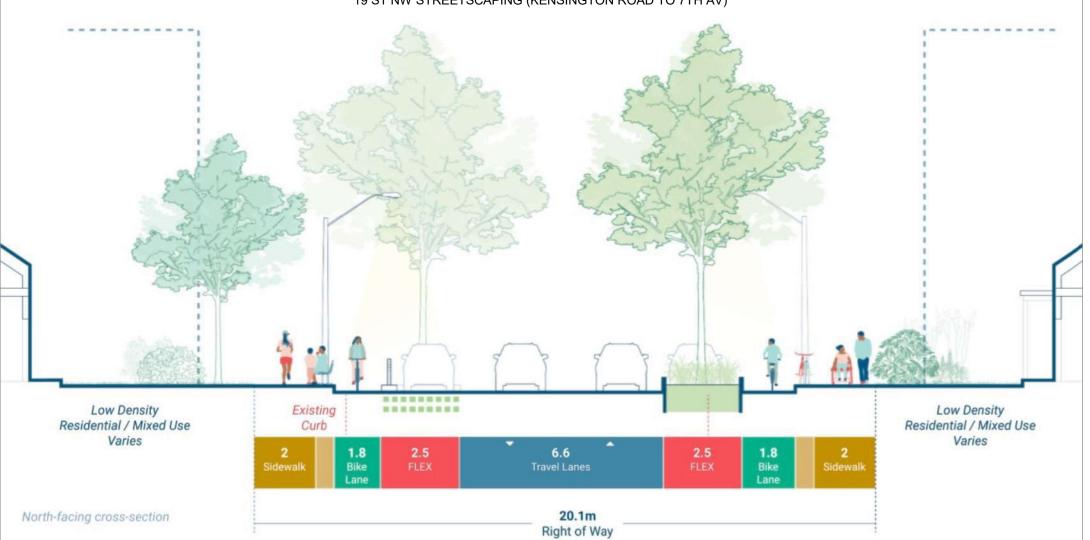
ONE LESS THAN REQUIRED BY LUB 694.1 FOR THE NUMBER OF TENANTS IN THE PROPOSED DESIGN



Consultant Address Address Phone Fax e-mail

#### 19 ST NW DEVELOPMENT PLAN

19 ST NW STREETSCAPING (KENSINGTON ROAD TO 7TH AV)



ENGAGE CALGARY "KENSINGTON AREA IMPROVEMENTS"

### **EXEMPTION JUSTIFICATION**

PRIMARY RESIDENTIAL TENANTS ARE PREDICTED TO BE STUDENTS

20-24 MIN TRANSIT CONNECTION TO U OF C AND 12-14 MIN TRANSIT CONNECTION TO SAIT

**20-22 MIN** TRANSIT CONNECTION TO THE CORE (**DOWNTOWN**)

11% OF COMMUTERS IN WEST HILLHURST ARE CYCLISTS (CALGARY TOTAL=2%)

AREA IS AN IMPORTANT WALKING/ BIKING CORRIDOR

DIRECT CONNECTION TO DOWNTOWN
CYCLING NETWORK ONCE PROTECTED
LANES ARE ADDED

DESIGN TIES INTO THE FUTURE OF 19 ST NW

#### **PROPOSAL**

ONE CAR PARKING STALL REMOVED IN EXCHANGE FOR ONE CLASS-1 BICYCLE PARKING STALL FOR EACH TENANT

TWO ADDITIONAL CLASS-2 BICYCLE PARKING STALLS

No.	Description	Date

 Parking Proposal

 Project number
 02

 Date
 24-04-2023

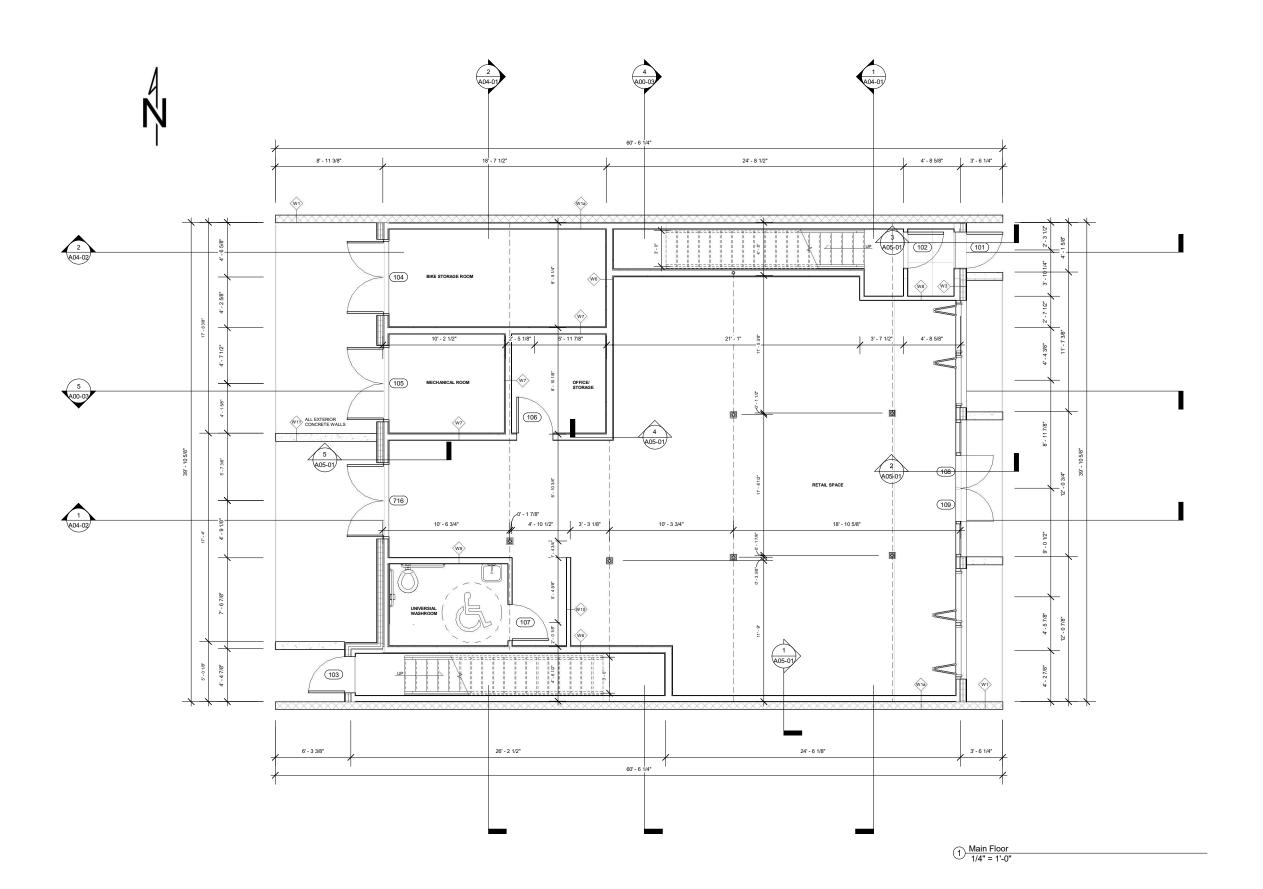
 Drawn by
 Roshan Mathew

 Checked by
 Checker

A01-02

SEM 2 - MIXED

As indicated





No.	Description	Date

SEM 2 - MIXED USE Main Floor Plan

Project number

Date

Drawn by

Checked by 02 24-04-2023 Roshan Mathew Checker

A02-01



No.	Description	Date
Ros	han M.	
1103	HGH IVI.	
	12 - MIXED	
USE		
Sec	ond Floor Plan	

Date
Drawn by
Checked by

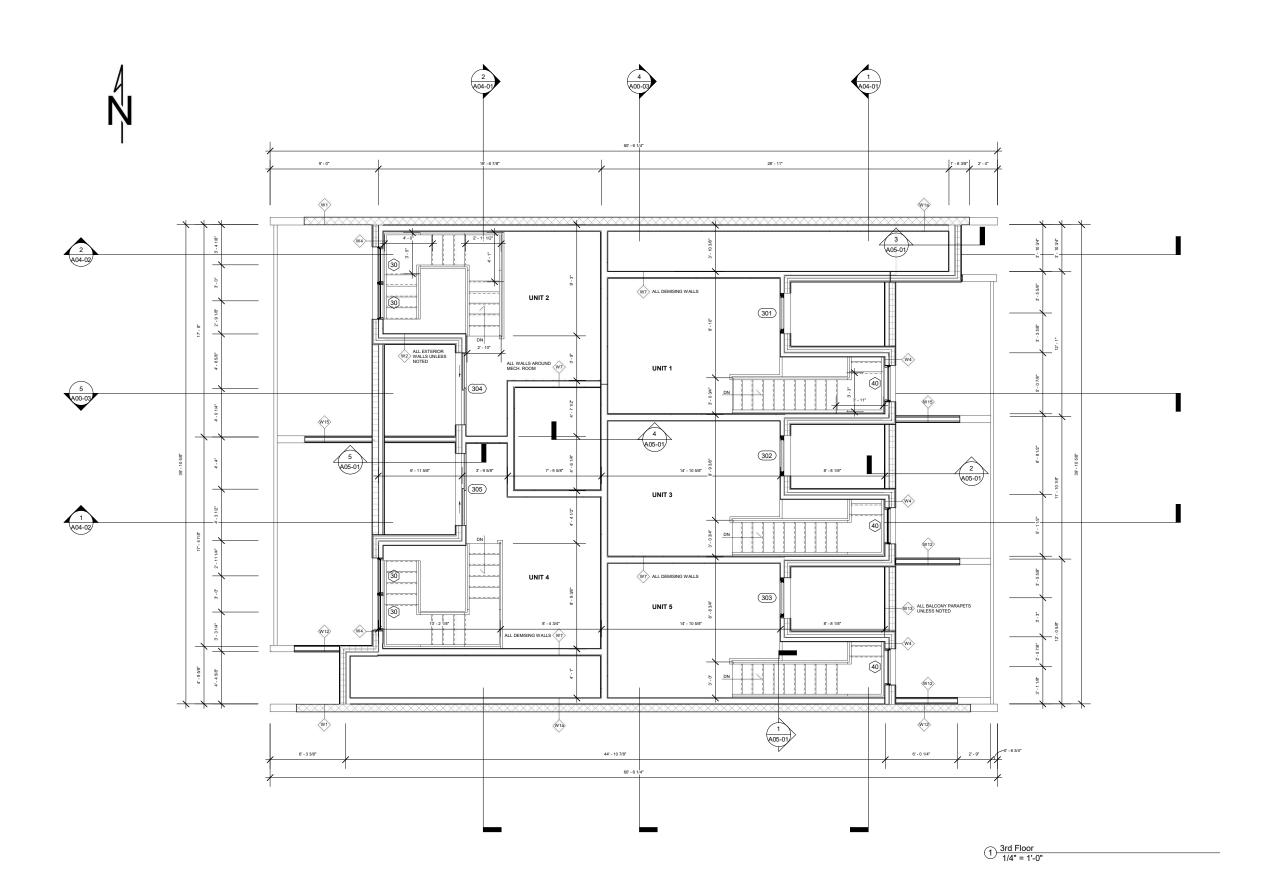
A02-02

Project number

1/4" = 1'-0"

02 24-04-2023

Roshan Mathew Checker





No.	Description	Date			
	l				
Roshan M.					
SEN	12 - MIXED				
	d Floor Plan				
inir	a Floor Plan				

A02-03





No.	Description	Date

Roshan M. SEM 2 - MIXED USE Roof Plan

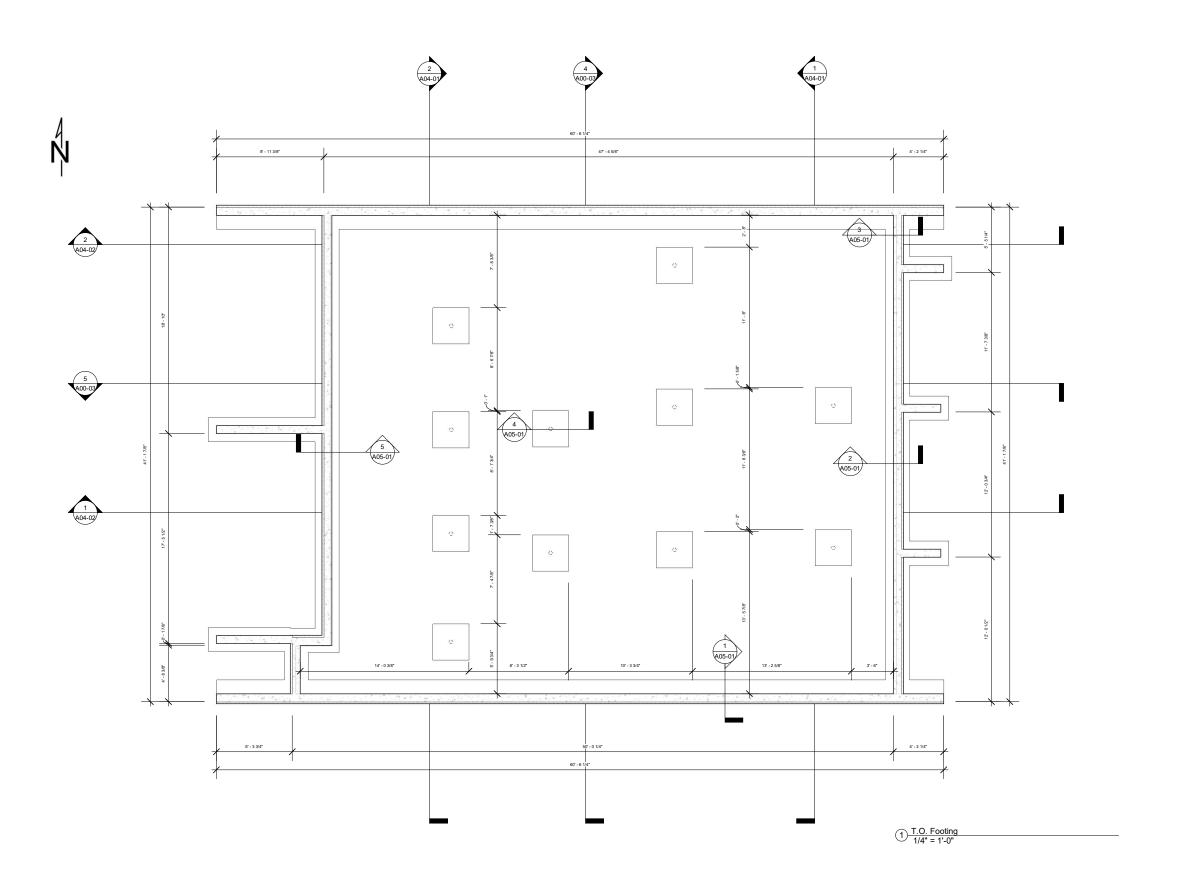
Project number

Date

Drawn by

Checked by 02 24-04-2023 Author Checker

A02-04

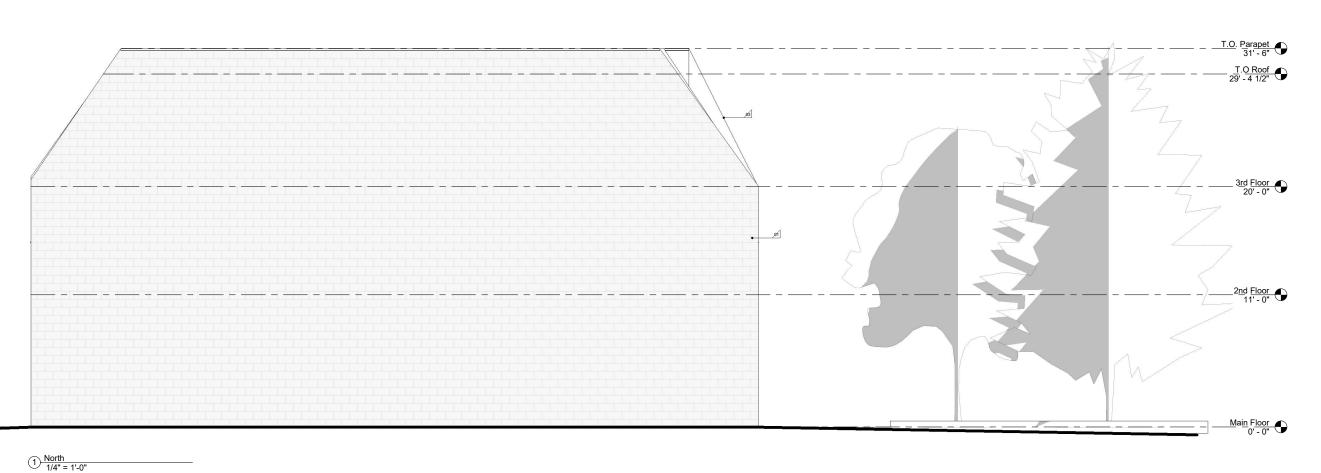




No.	Description	Date
-		
<u> </u>		
Ros	han M.	
SEI USI	M 2 - MIXED	
	ndation Plan	

A02-05

Checker Checker 1/4" = 1'-0"



20

103

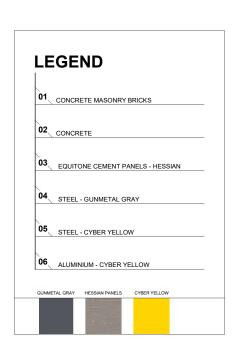
T.O. Parapet 31' - 6"

T.O Roof 29' - 4 1/2"

> 3rd Floor 20' - 0"

2nd Floor 11' - 0"

Main Floor





Consultant Address Address Phone Fax e-mail

υ.	Description	Date
Ros	han M.	
SEM	1 2 - MIXED	
vort	h & West	
lev	ations	
oject	number	02
te		-04-2023
ic	24-	-04-2023

A03-01

2 West 1/4" = 1'-0" 30

30

104

223

225

716

105

Checker | 043:50 04 27 1043:50



Roshan M. SEM 2 - MIXED
USE
South & East
Elevations

Project number

Date

A03-02

Drawn by Checked by

Date

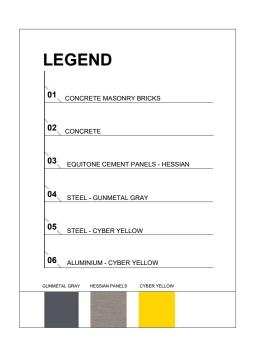
02 24-04-2023

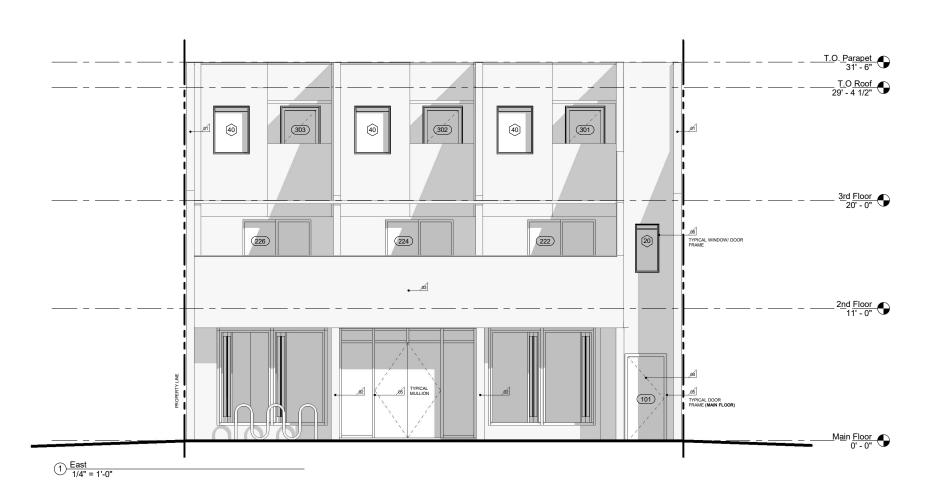
1/4" = 1'-0"

Roshan Mathew Checker

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				2 <u>n</u> 2
				Mai

2 South 1/4" = 1'-0"





Date Description Roshan M.

SEM 2 - MIXED USE Cross Sections

Project number
Date
Drawn by
Checked by 02 24-04-2023 Roshan Mathew Checker

1/4" = 1'-0"

A04-01

7.0. Parapet 31' - 6" T.O Roof 29' - 4 1/2" T.O Roof 29' - 4 1/2" 301 302 3rd Floor 20' - 0" 3rd Floor 20' - 0" (W7)-W1a — 213 (218) 2nd Floor 11' - 0" 2nd Floor 11' - 0" (107) F1 Main Floor 0' - 0" Main Floor 0' - 0" T.O. Footing -5' - 0" 7.0. Footing -5' - 0" 1 Cross Section 1/4" = 1'-0" 2 Cross Section 2 1/4" = 1'-0"

T.O. Parapet 31' - 6" T.O Roof 29' - 4 1/2" 3rd Floor 20' - 0" 20 2nd Floor 11' - 0" (104) F1 W12 T.O. Footing -5' - 0"



Consultant Address Address Phone Fax e-mail

T.O. Footing -5' - 0"

No.	Description	Date

SEM 2 - MIXED
USE
Longitudinal
Sections Project number

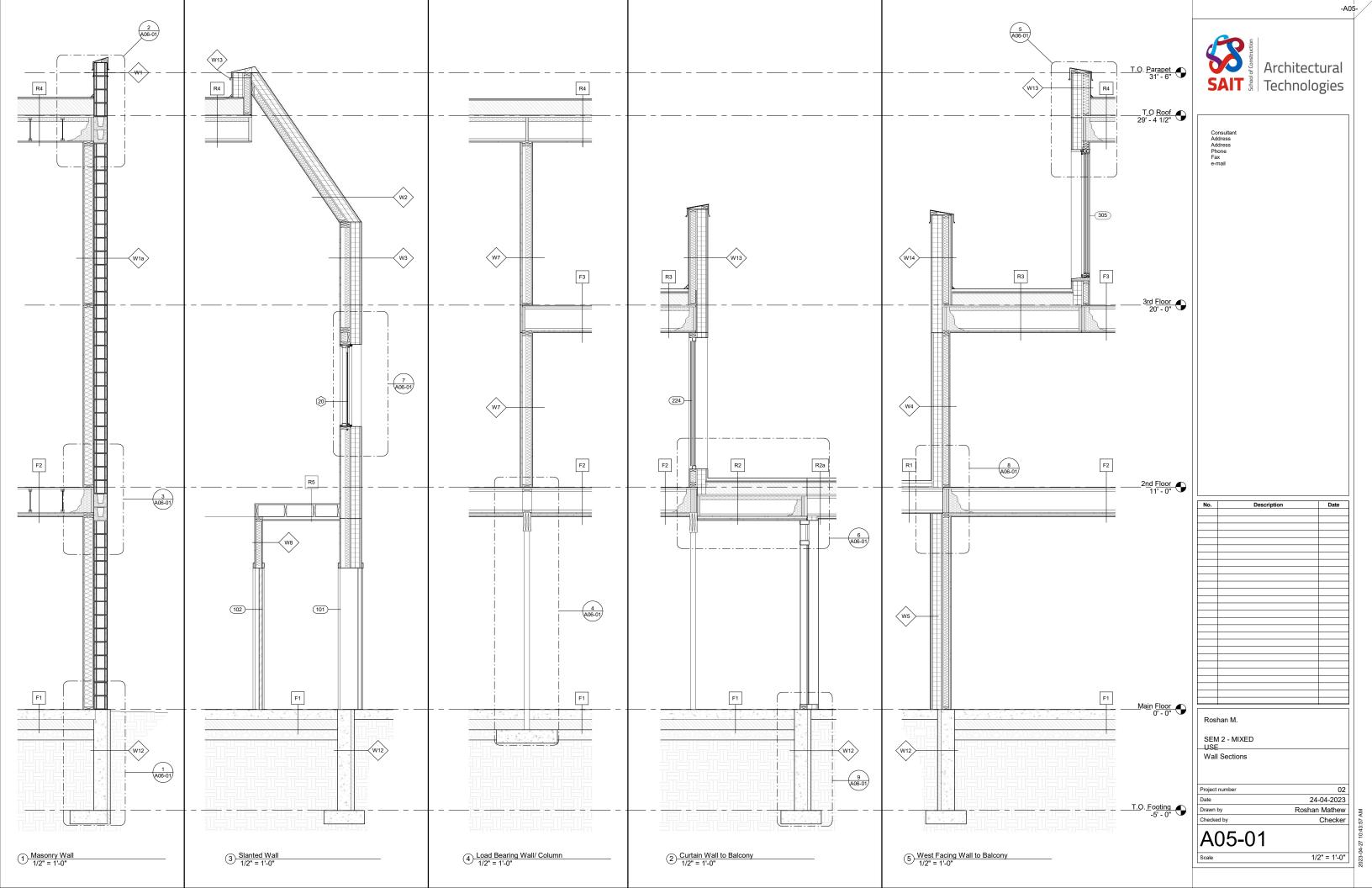
Date

Drawn by

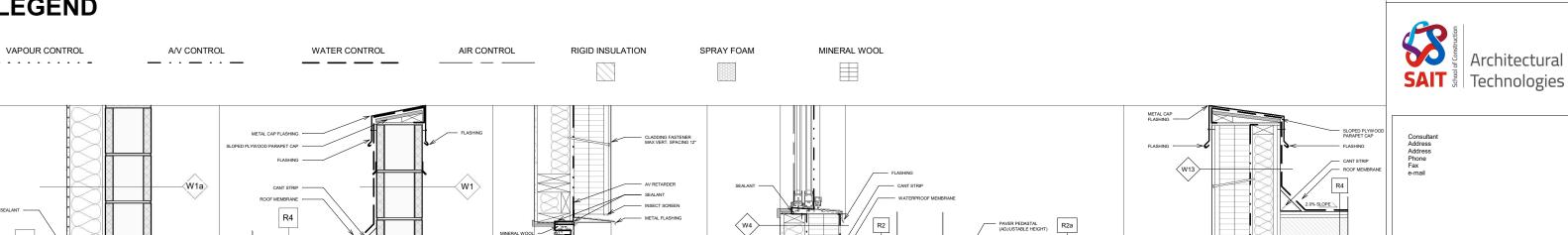
Checked by 02 24-04-2023 Roshan Mathew

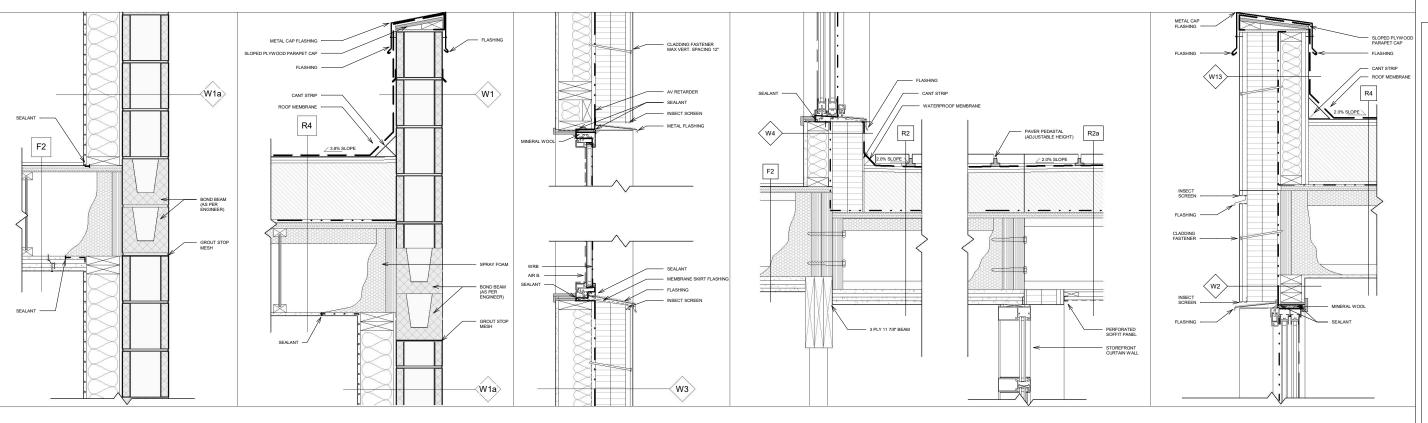
A04-02

2 Longitudinal Section 2 1/4" = 1'-0"



**LEGEND** 





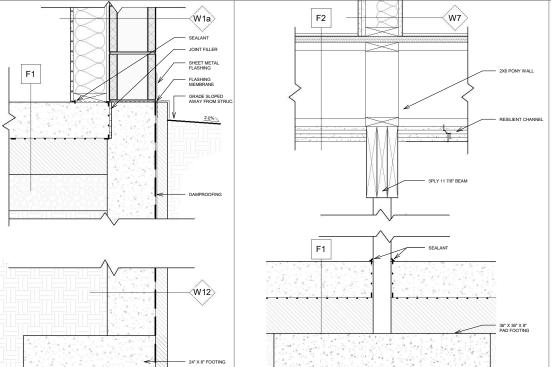
3 Main Floor to Second Floor Connection
1 1/2" = 1'-0"

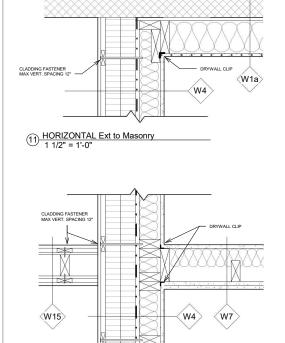
2 Masonry Wall to Parapet 1 1/2" = 1'-0"

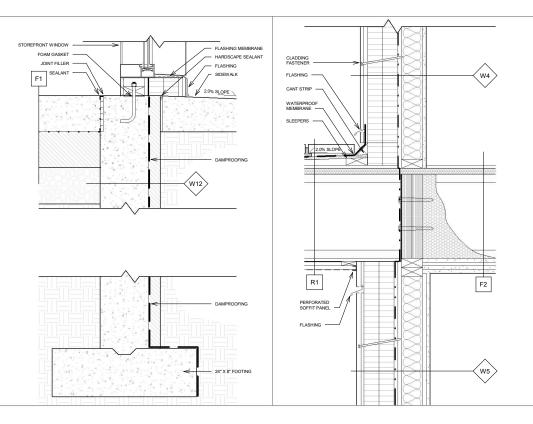
7 Fixed Window Detail
1 1/2" = 1'-0"

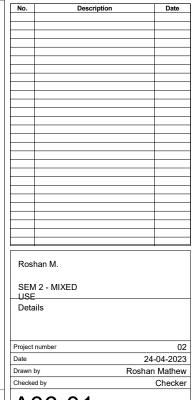
6 Main Floor to Balcony 1 1/2" = 1'-0"

5 EXT Wall to Parapet 1 1/2" = 1'-0"









1 1/2" = 1'-0"

4 Load Bearing Column to Wall 1 1/2" = 1'-0"

1 1/2" = 1'-0"

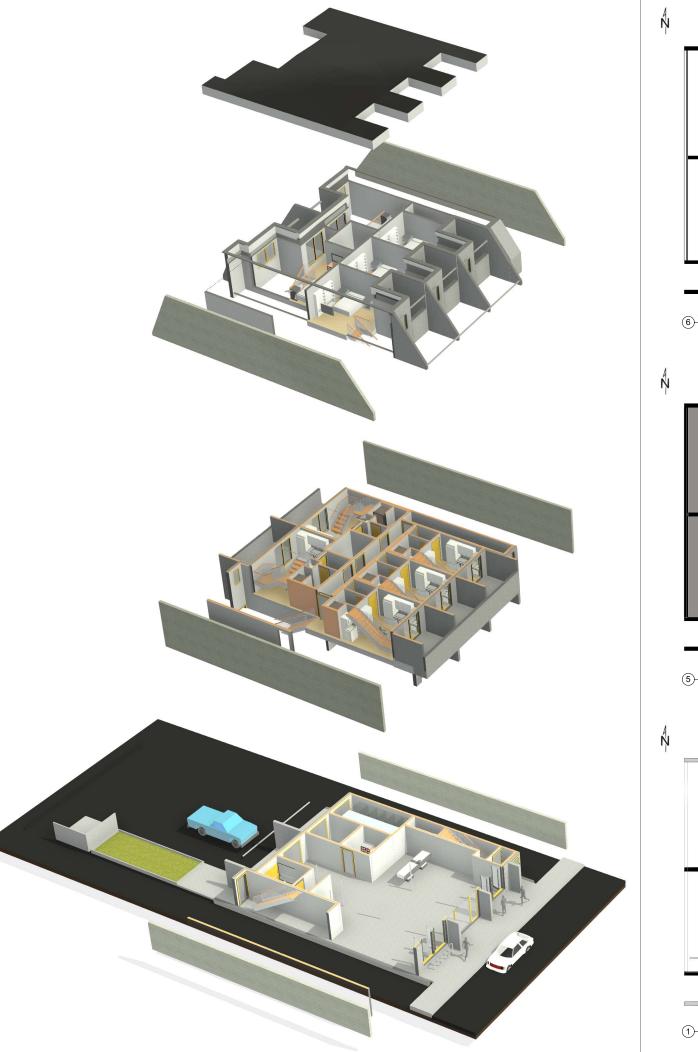
9 Foundation Wall to Curtain Wall
1 1/2" = 1'-0"

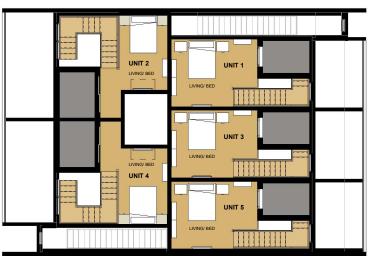
8 Second Floor Cantilever Balcony 1 1/2" = 1'-0"

A06-01

As indicated

-A06-





6 Third Floor PRES



5 2nd Floor PRES 1/8" = 1'-0"



UNIT SIZES

UNIT 2: **UNIT 1:** Architectural 107.9 SQ FT 149.5 SQ FT KITCHEN/ STUDY 137.7 SQ FT KITCHEN/ STUDY LIVING/ BEDROOM 127.1 SQ FT SAIT (Fig. 1) Technologies 129.4 SQ FT 183.9 SQ FT 312.7 SQ FT 343.1 SQ FT TOTAL w BALCONY TOTAL w BALCONY 442.1 SQ FT 527.0 SQ FT

149.5 SQ FT

UNIT 3:

29.1 SQ FT ENTRANCE HALL 22.5 SQ FT
59.4 SQ FT BATHROOM 32.8 SQ FT
138.2 SQ FT KITCHEN/ STUDY 107.9 SQ FT

 TAL
 347.8 SQ. FT
 TOTAL
 312.7 SQ. FT

 TAL W BALCONY
 531.4 SQ. FT
 TOTAL W BALCONY
 442.1 SQ. FT

129.3 SQ FT

MAIN FLOOR: UNIT 5:

 RETAIL SPACE
 1197 SQ FT
 ENTRANCE HALL
 22.5 SQ FT

 OFFICE
 64.2 SQ FT
 BATHROOM
 32.8 SQ FT

 UNIVERSAL WASHROOM
 67.1 SQ FT
 KTCHEN STUDY
 107.9 SQ FT

 BIKE STORAGE ROOM
 146.4 SQ FT
 LIVING/ BEDROOM
 149.5 SQ FT

 MECHANICAL ROOM
 79.1 SQ FT
 BALCONY
 129.4 SQ FT

TOTAL w BALCONY 442.1 SQ FT

#### **INTERIORS**

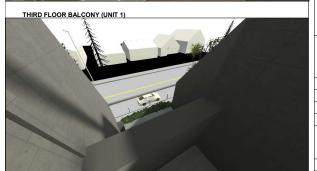
**UNIT 4:** 

KITCHEN/ STUDY









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	Poshan M					

Date

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Roshan M.	
SEM 2 - MIXED	
Presentation Floor Plans	
Project number	02
Date	24-04-2023
Drawn by	Roshan Mathew
Checked by	Checker

P00-01

Checker

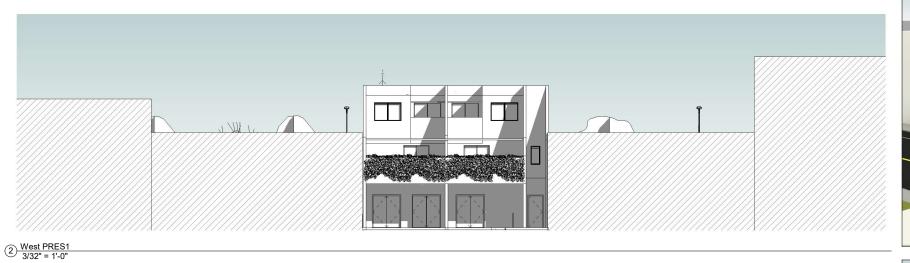
Checker

As indicated

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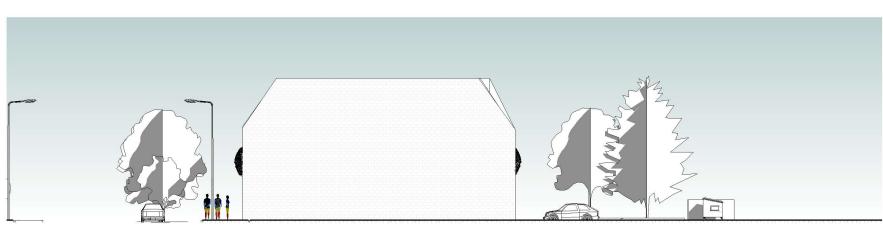


1 East PRES 3/32" = 1'-0"

3 North PRES 3/32" = 1'-0"

4 South PRES 3/32" = 1'-0"











Roshan M.

SEM 2 - MIXED
USE
Presentation
Elevations & 3D

Project number 02
Date 24-04-2023
Drawn by Roshan Mathew
Checked by Checker

Date

As indicated