

**INTEGRATED ARCHITECTURAL TECHNOLOGY & STUDIO 01 | ARCH 3023**

**PROJECT 1 - FINAL DOCUMENTATION**

STUDIO PROFESSOR: MARLENE SLOPACK

SUBMISSION DATE: DECEMBER 5TH, 2025



**PROJECT TEAM:**

JIN LAVIN                      101408261  
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 ERNESTO CUEVA FOX       101354214  
 NAZANIN BEIRAMI            101467982

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No.	Description	Date

**ARCH 3023**  
**WORKING DRAWINGS**  
**COVER PAGE**

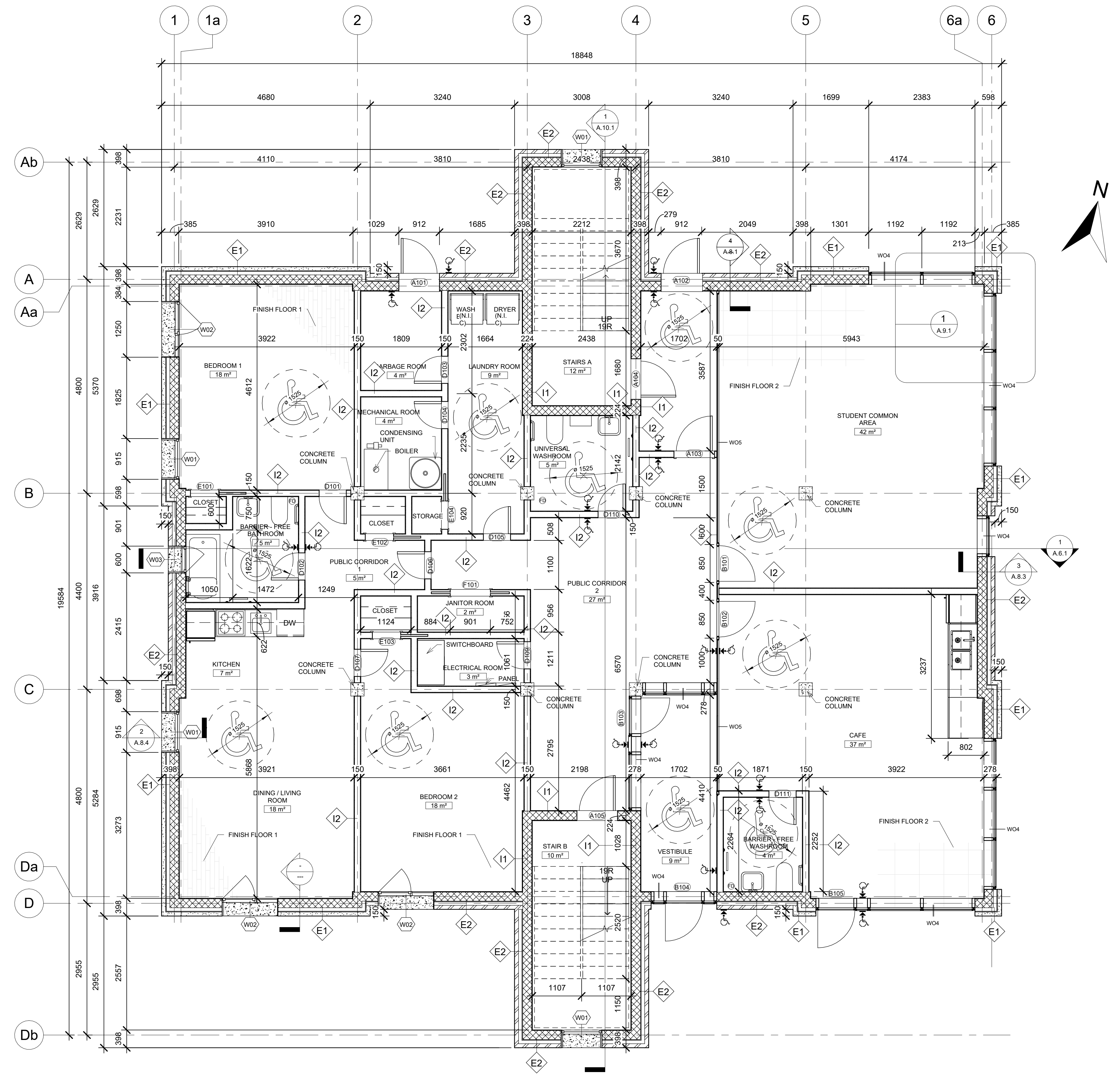
Project number: 0001  
 Date: 05/12/2025  
 Drawn by: JIN CHOI  
 Checked by: MARLENE SLOPACK

**A.1.0**

Scale: \_\_\_\_\_







**1** FIRST FLOOR  
1 : 50

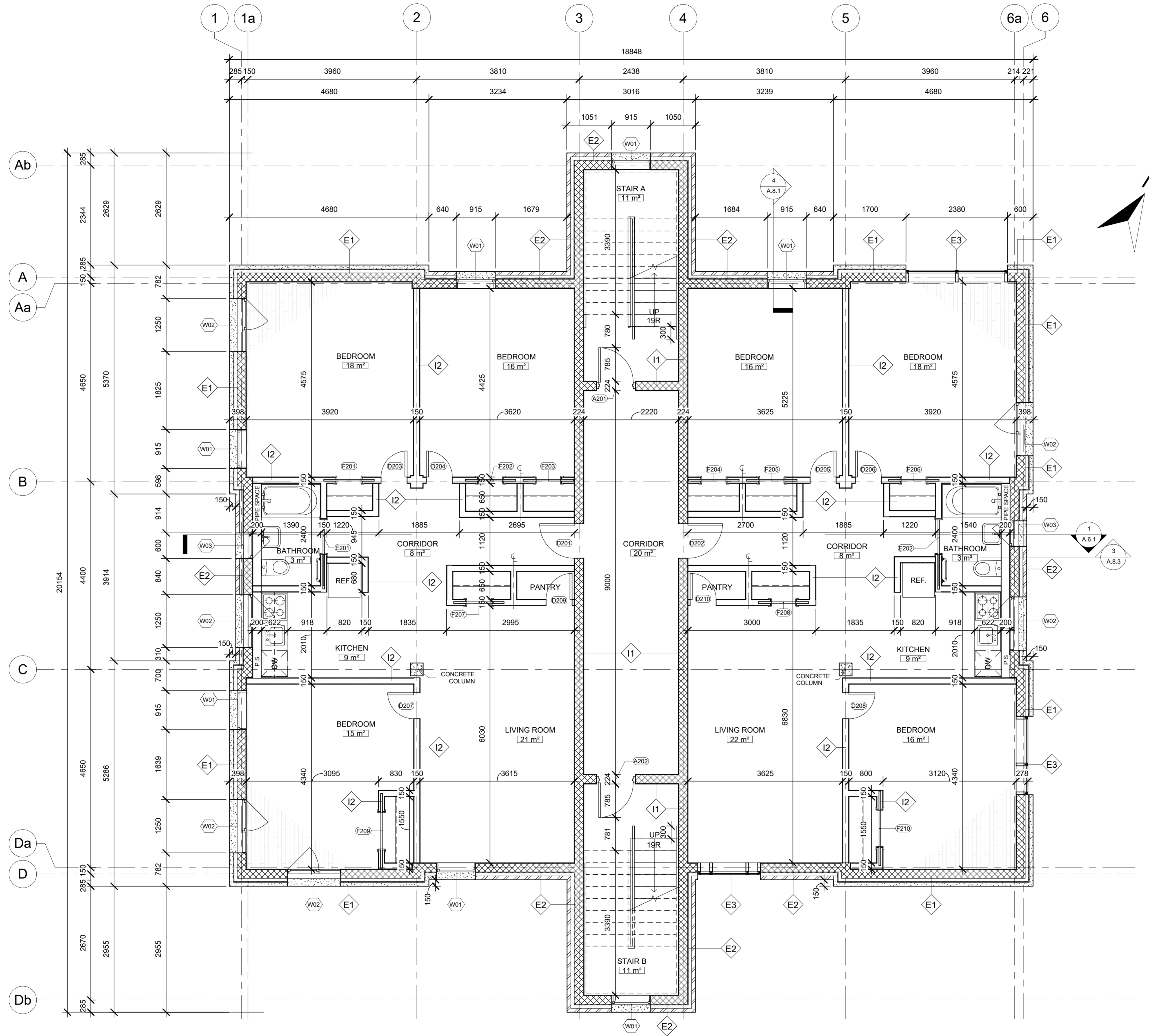
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ARCH 3023  
**WORKING DRAWINGS**  
**FIRST FLOOR PLAN**

Project number 0001  
 Date 05/12/2025  
 Drawn by JIN LAVIN  
 Checked by MARLENE SLOPACK

**A.3.1**

Scale 1 : 50



**2** SECOND FLOOR  
1 : 50

No.	Description	Date

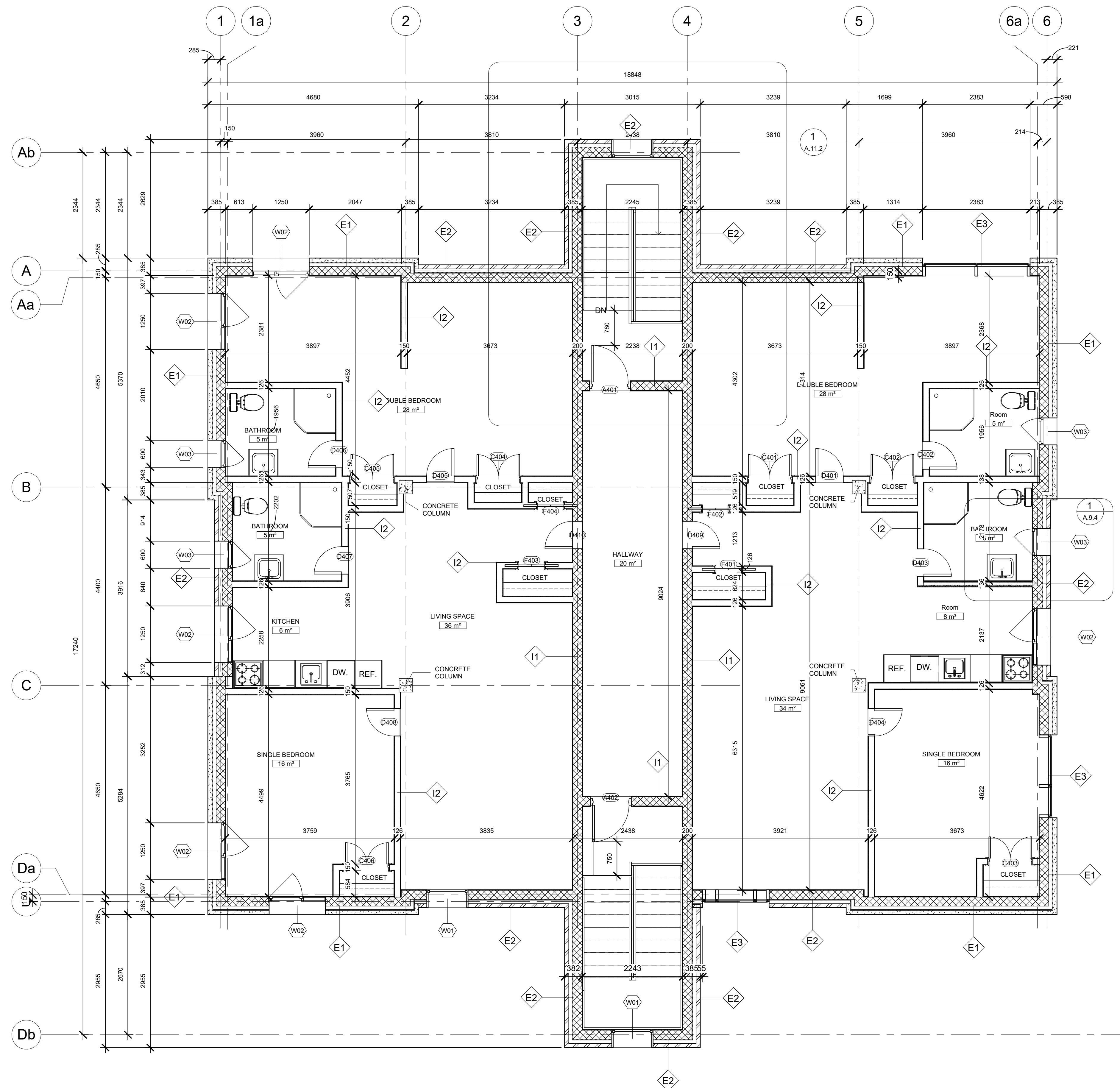
**ARCH 3023**  
**WORKING DRAWINGS**  
**SECOND FLOOR**  
**PLAN**

Project number 0001  
Date 05/12/2025  
Drawn by JIN CHOI  
Checked by MARLENE SLOPACK

**A.3.2**

Scale 1 : 50





**4** FOURTH FLOOR  
1 : 50

No.	Description	Date

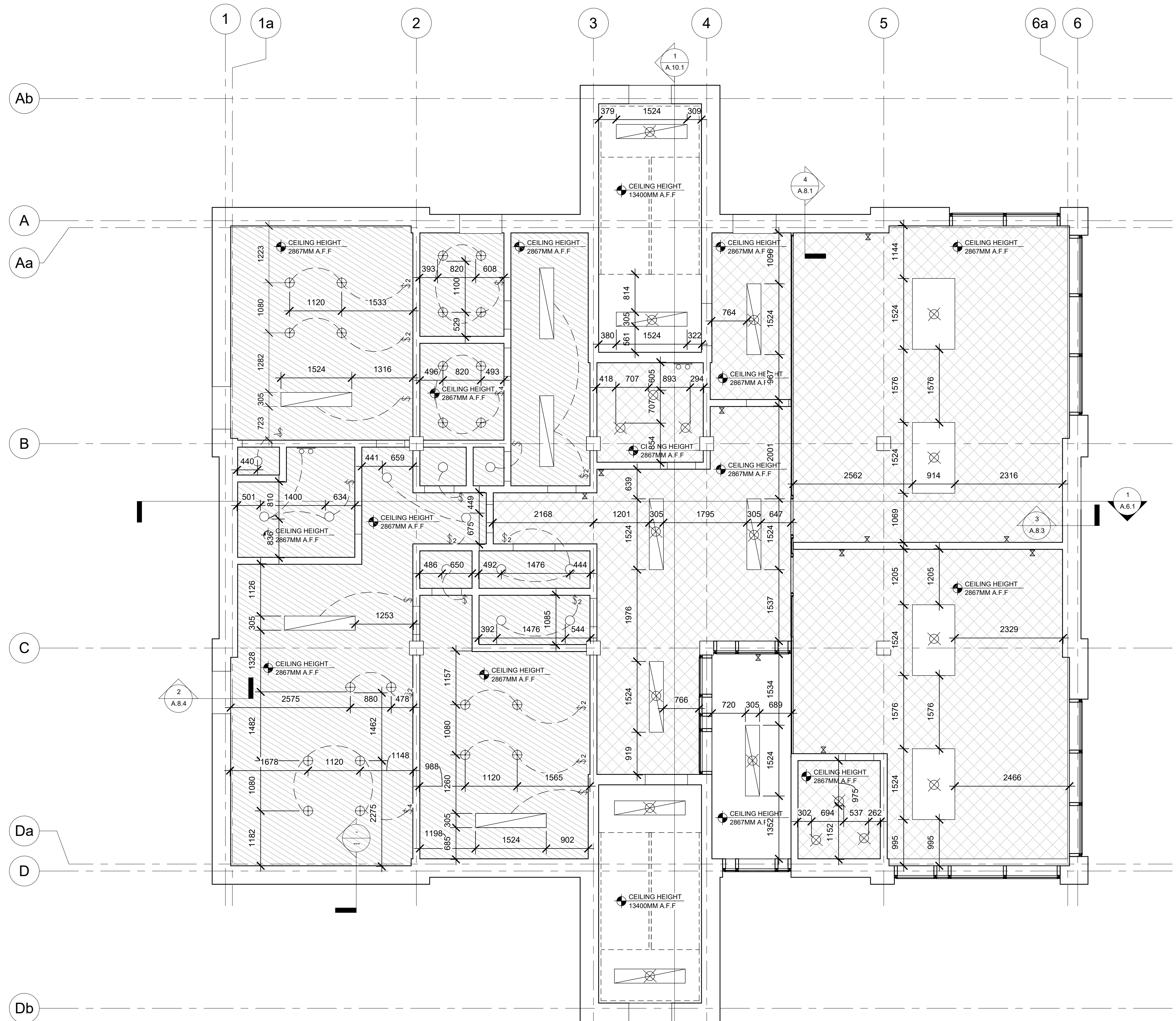
**ARCH 3023  
WORKING DRAWINGS  
FOURTH FLOOR  
PLAN**

Project number 0001  
Date 05/12/2025  
Drawn by ERNESTO CUEVA FOX  
Checked by MARLENE SLOPACK

**A.3.4**

Scale 1 : 50





1 FIRST FLOOR - REFLECTED CEILING PLAN PLAN  
1 : 50

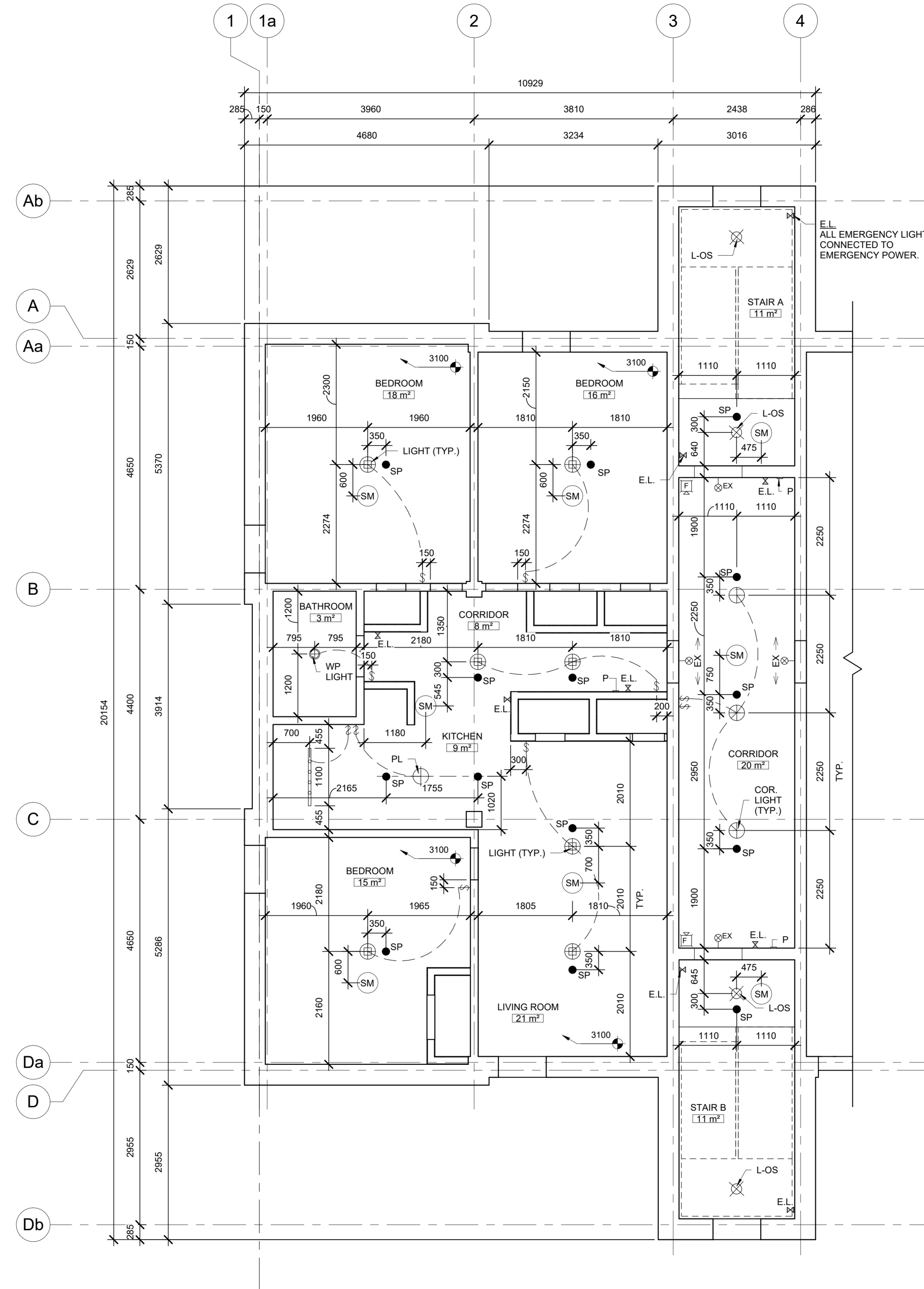
LIGHTING & MISCELLANEOUS		FIRE ALARM	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
[Symbol]	MODULAR FLUORESCENT FITTING	[Symbol]	WALL MOUNTED FIRE ALARM COMBINATION SPEAKER/ STROBE LIGHT
[Symbol]	SURFACE FLUORESCENT LIGHT	[Symbol]	FIRE-MANUAL PULL STATION (P INDICATES PULL STATION)
[Symbol]	2 - LIGHT BAR	[Symbol]	SP SPRINKLER HEAD (CEILING MOUNTED)
[Symbol]	SUSPENDED LIGHT PENDANT	[Symbol]	SM SMOKE DETECTOR
[Symbol]	LIGHT, SURFACE MOUNTED	[Symbol]	EX EXIT SIGN (WITH DIRECTIONAL ARROWS, AS REQUIRED)
[Symbol]	OCCUPANCY SENSOR CONTROLLED LIGHT (L-OS INDICATES OCCUPANCY SENSOR)	[Symbol]	ACOUSTIC SUSPENDED GYPSUM BOARD CEILING
[Symbol]	SWITCH	[Symbol]	ACOUSTIC TILE SUSPENDED CEILING
[Symbol]	2 - WAY SWITCH		
[Symbol]	3 - WAY SWITCH		
[Symbol]	4 - WAY SWITCH		
[Symbol]	E.L. EMERGENCY LIGHT (CEILING OR WALL MOUNTED, CONNECTED TO EMERGENCY POWER)		

No.	Description	Date

**ARCH 3023**  
**WORKING DRAWINGS**  
**REFLECTED CEILING PLAN**

Project number 0001  
Date 05/12/2025  
Drawn by JIN LAVIN  
Checked by MARLENE SLOPACK

**A.4.1**  
Scale 1 : 50



E.L.  
ALL EMERGENCY LIGHT  
CONNECTED TO  
EMERGENCY POWER.

### REFLECTED CLG. LEGEND

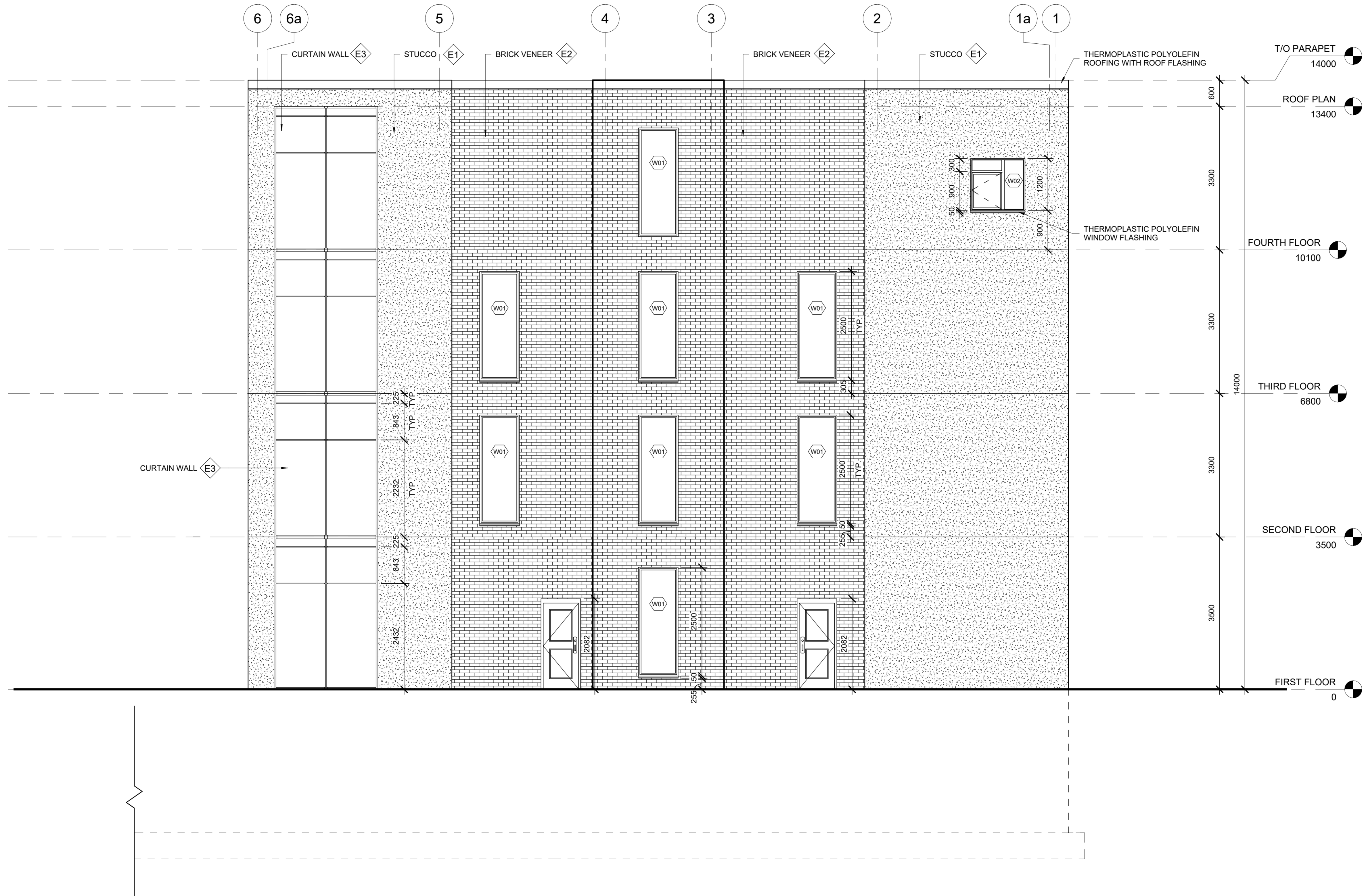
LIGHTING & MISCELLANEOUS		FIRE ALARM	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CEILING HEIGHT MARKER (IF SHOWN)		WALL MOUNTED FIRE ALARM COMBINATION SPEAKER/ STROBE LIGHT
	WALL MOUNTED LIGHT SWITCH		FIRE-MANUAL PULL STATION (P INDICATES PULL STATION)
	CEILING MOUNTED BEDROOM LIGHT (TYP.)		SP SPRINKLER HEAD (CEILING MOUNTED)
	CEILING MOUNTED CORRIDOR LIGHT (TYP.)		SM SMOKE DETECTOR
	OCCUPANCY SENSOR CONTROLLED LIGHT (L-OS INDICATES OCCUPANCY SENSOR)		E.L. EMERGENCY LIGHT (CEILING OR WALL MOUNTED, CONNECTED TO EMERGENCY POWER)
	TRACK LIGHT (HALOGEN RAIL AT KITCHEN)		EX EXIT SIGN (WITH DIRECTIONAL ARROWS, AS REQUIRED)
	PENDANT LIGHT FIXTURE (PL INDICATES PENDANT LIGHT)		
	RECESSED POT LIGHT (WP INDICATES WATERPROOF)		

1 SECOND FLOOR - REFLECTED CEILING PLAN  
1 : 50

No.	Description	Date







1 NORTH ELEVATION  
1 : 50

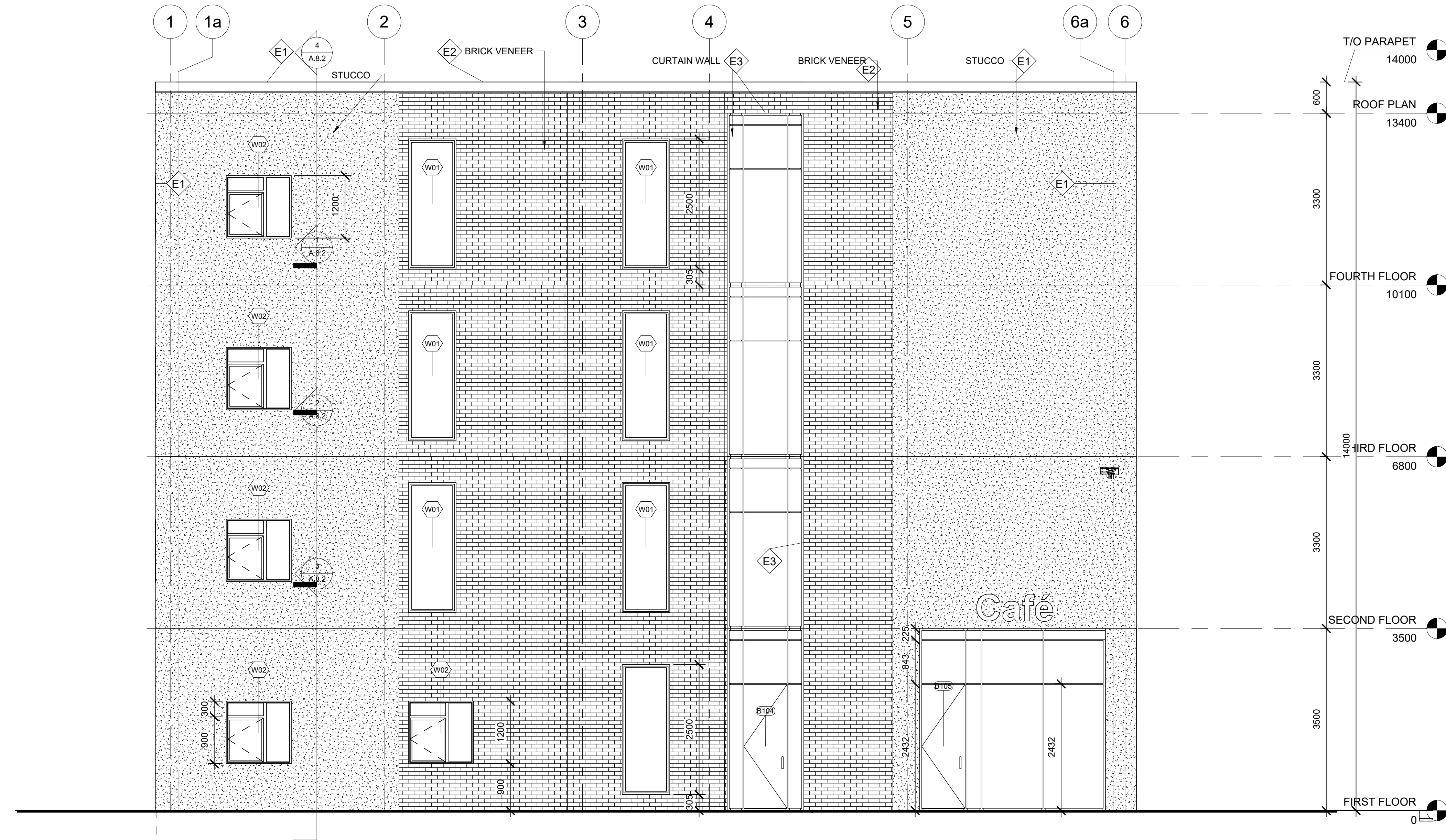
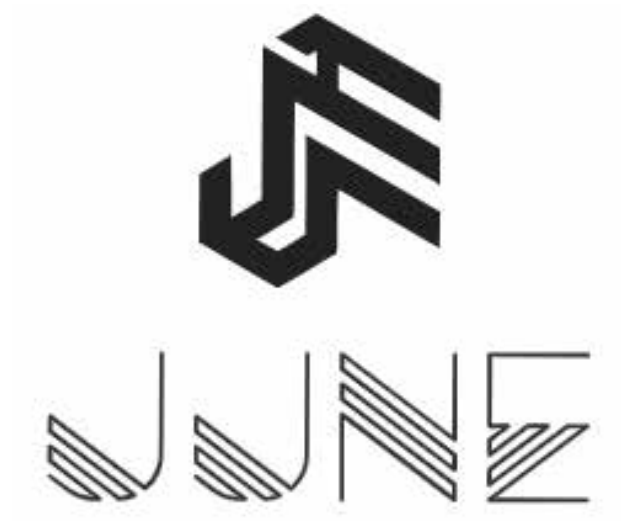
No.	Description	Date

ARCH 3023  
WORKING DRAWINGS  
NORTH ELEVATION

Project number	0001
Date	05/12/2025
Drawn by	JIN CHOI
Checked by	MARLENE SLOPACK

**A.5.1**

Scale 1 : 50



1 SOUTH ELEVATION  
1 : 50

No.	Description	Date

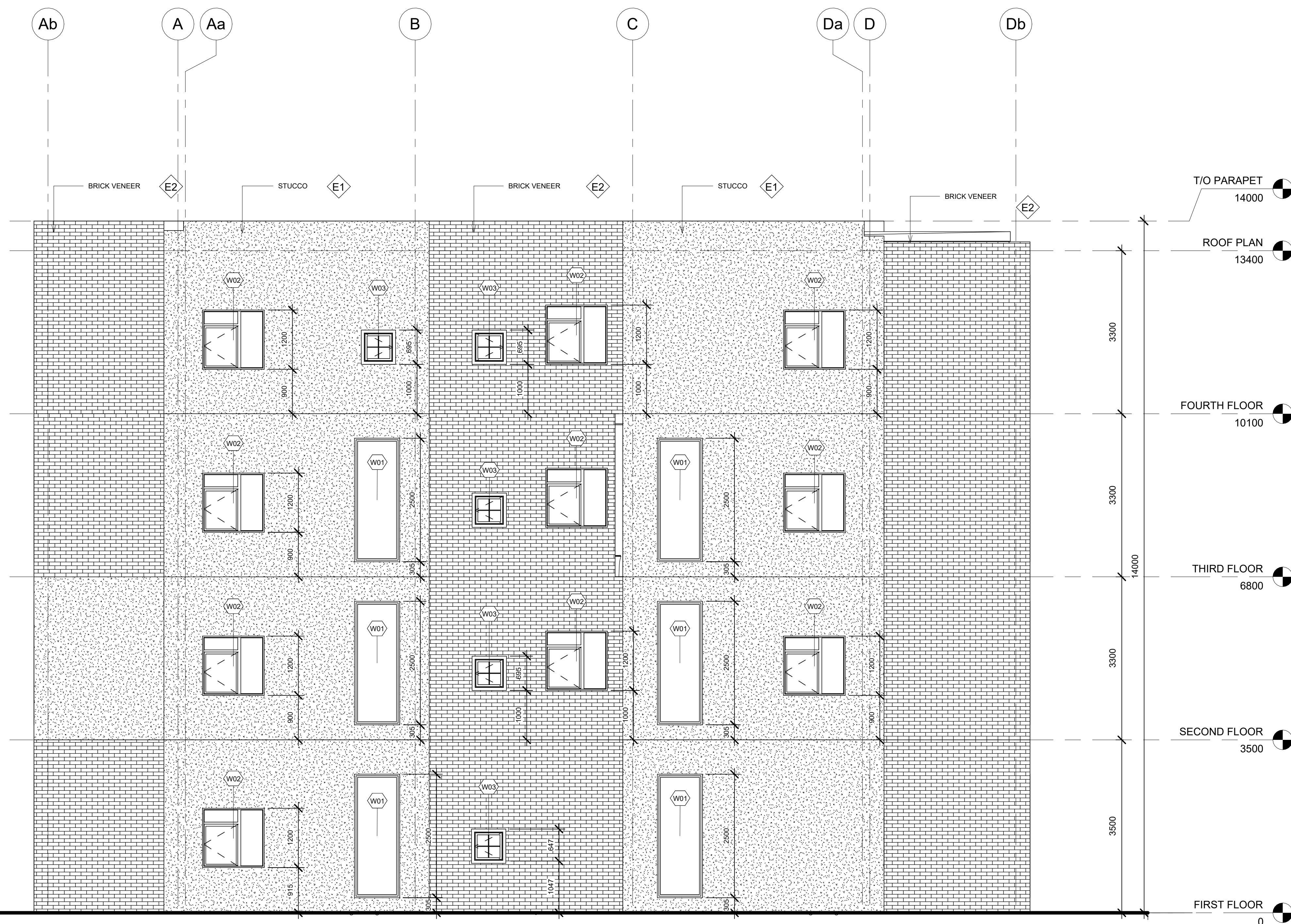
ARCH 3023  
 WORKING DRAWINGS  
 SOUTH ELEVATION

Project number	0001
Date	5/12/2025
Drawn by	NAZANIN BEIRAMI
Checked by	MARLENE SLOPACK

**A.5.2**

Scale 1 : 50





**2 WEST ELEVATION**  
1 : 50

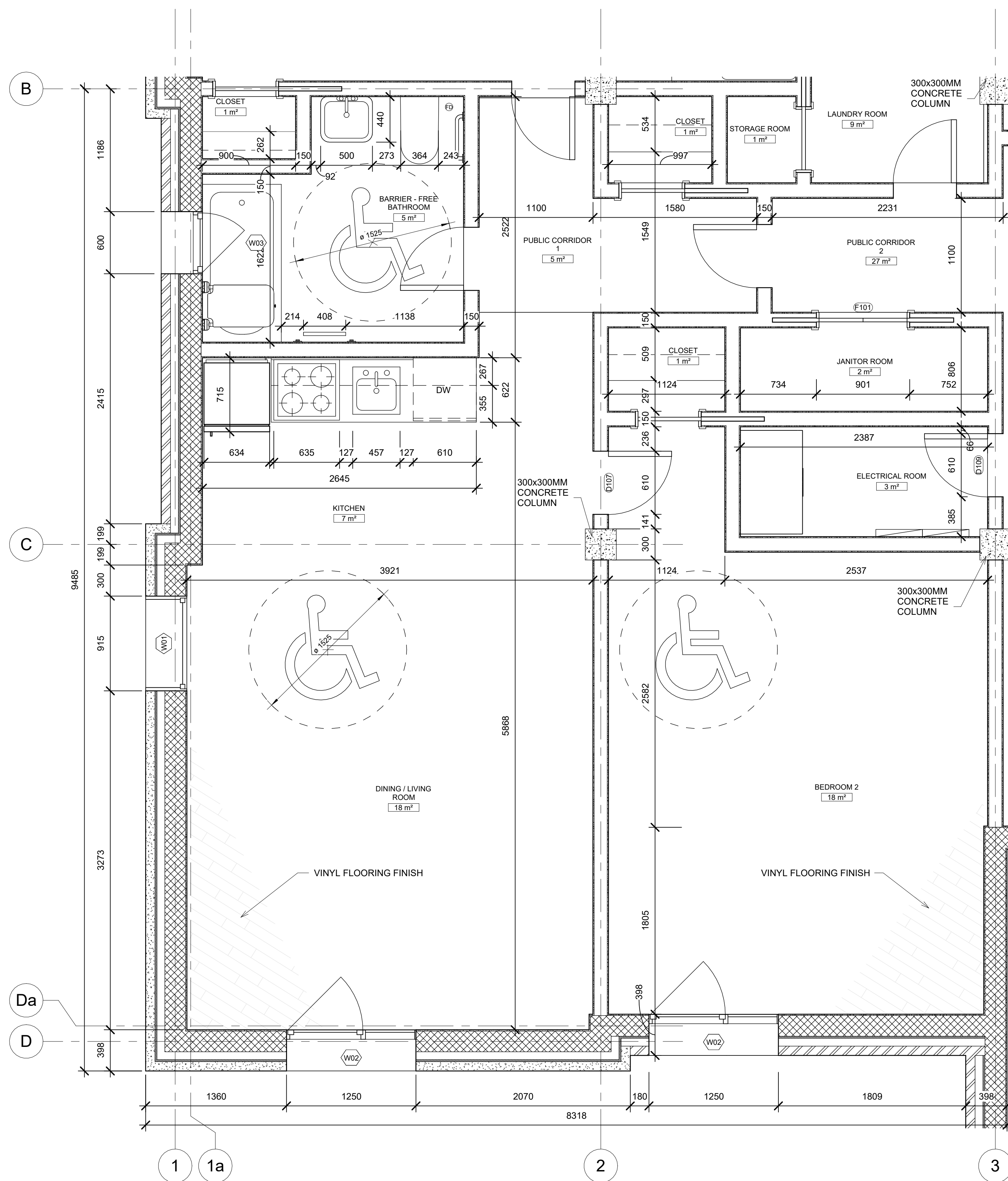
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ARCH 3023  
WORKING DRAWINGS  
WEST ELEVATION

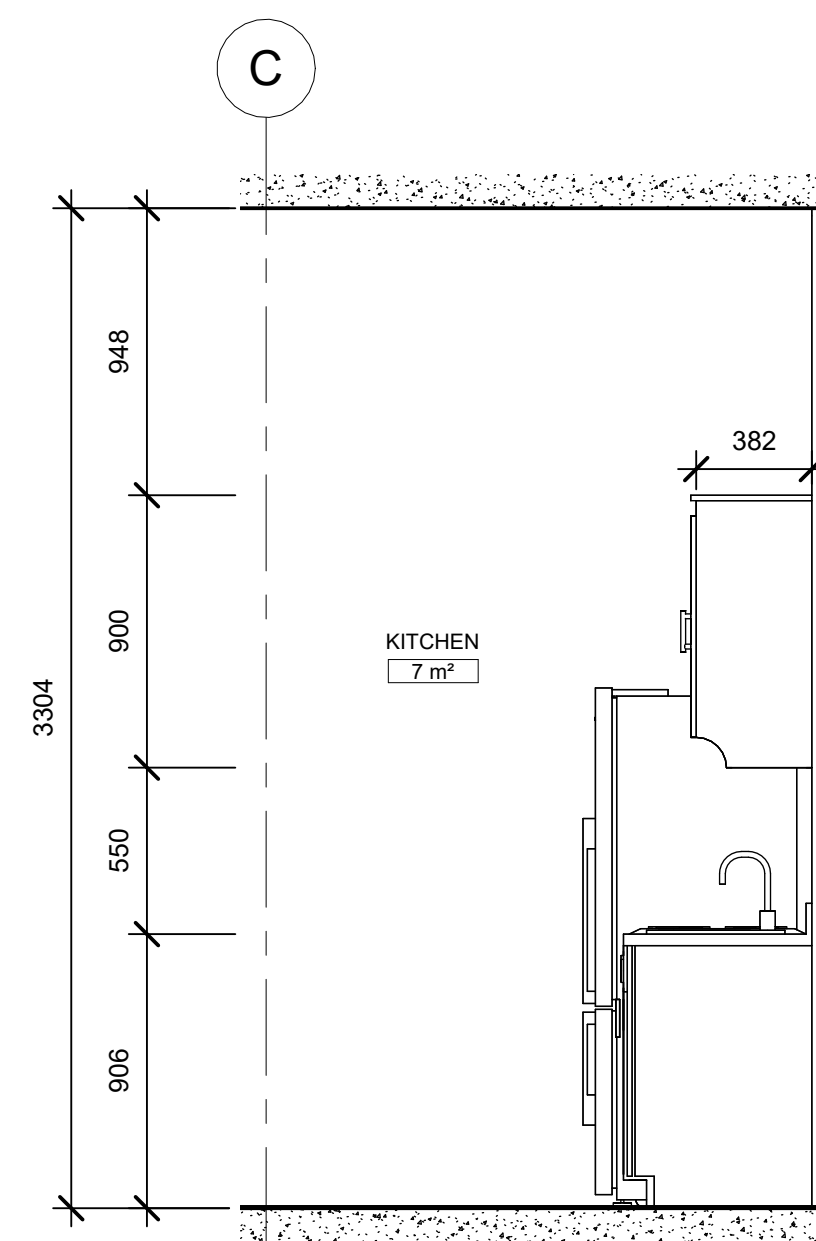
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Date 05/12/2025  
Drawn by ERNESTO CUEVA FOX  
Checked by MARLENE SLOPACK

**A.5.4**  
Scale 1 : 50

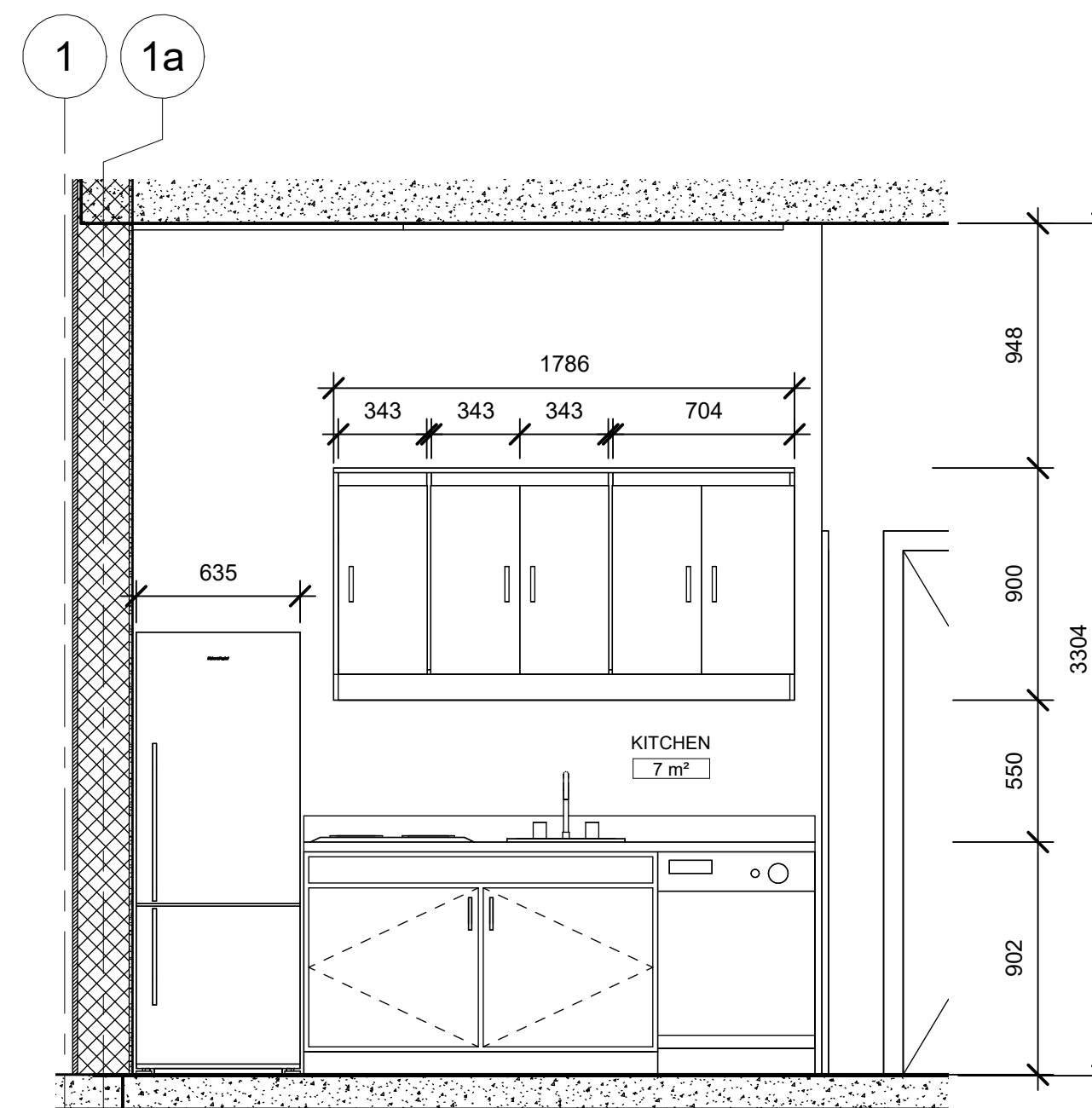




**1 FIRST FLOOR - BEDROOM SUITE**  
1 : 25



**2 KITCHEN - EAST**  
1 : 25



**3 KITCHEN - SOUTH**  
1 : 25

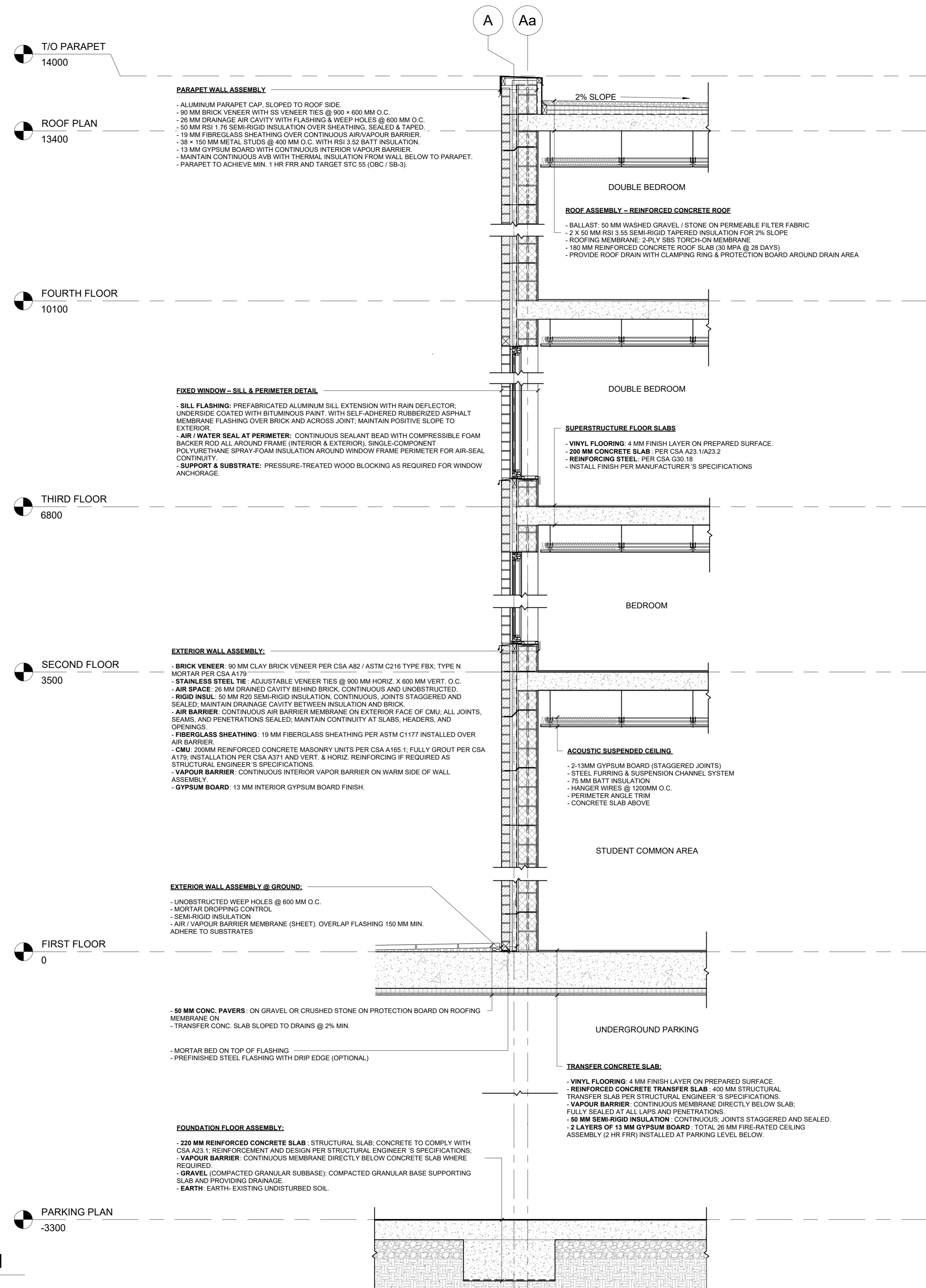
No.	Description	Date

**ARCH 3023**  
**WORKING DRAWINGS**  
**FIRST FLOOR**  
**CALL-OUT PLAN**

Project number 0001  
Date 05/12/2025  
Drawn by JIN LAVIN  
Checked by MARLENE SLOPACK

**A.7.1**

Scale 1 : 25



**1 NORTH WALL SECTION**  
1 : 25

**GENERAL:**  
ENSURE CONTINUITY OF AIR, VAPOR, AND THERMAL BARRIERS THROUGHOUT ASSEMBLY AND AT ALL TRANSITIONS. ALL MATERIALS AND WORKMANSHIP TO CONFORM TO CSA A371 - MASONRY CONSTRUCTION FOR BUILDINGS AND ALL RELATED CSA AND ASTM STANDARDS.

No.	Description	Date

**ARCH 3023**  
**WORKING DRAWINGS**  
**NORTH WALL SECTION**

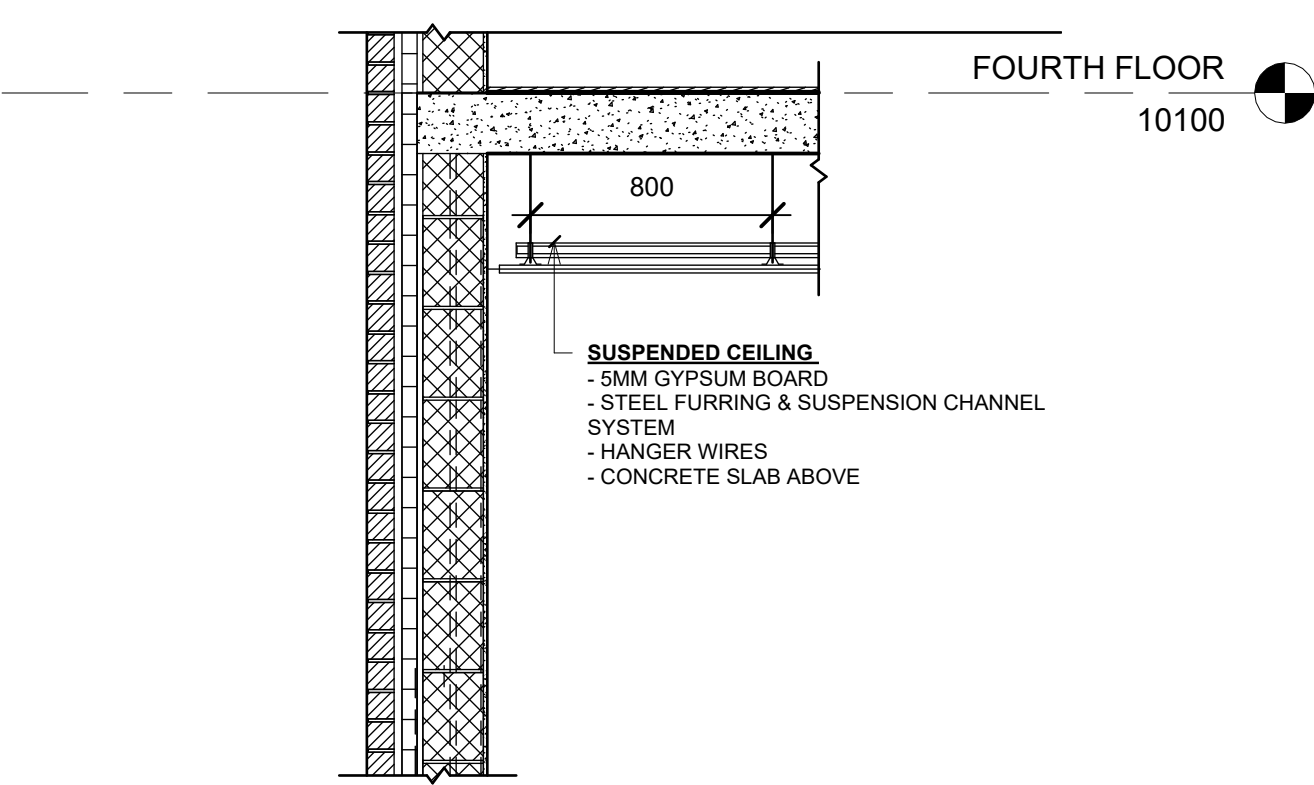
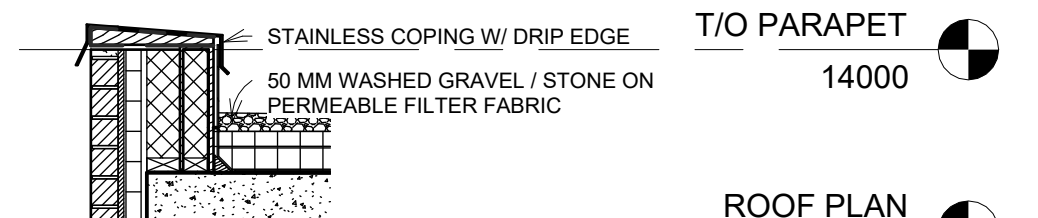
Project number	0001
Date	05/12/2025
Drawn by	JIN CHOI
Checked by	MARLENE SLOPACK

**A.8.1**

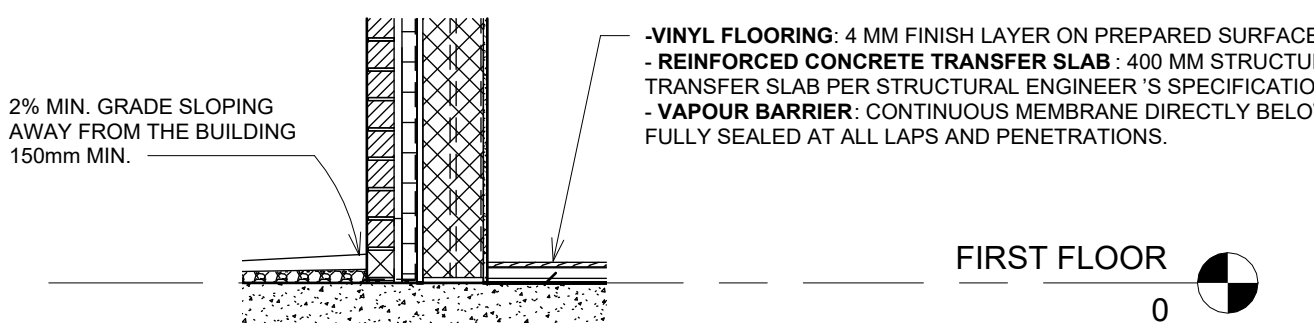
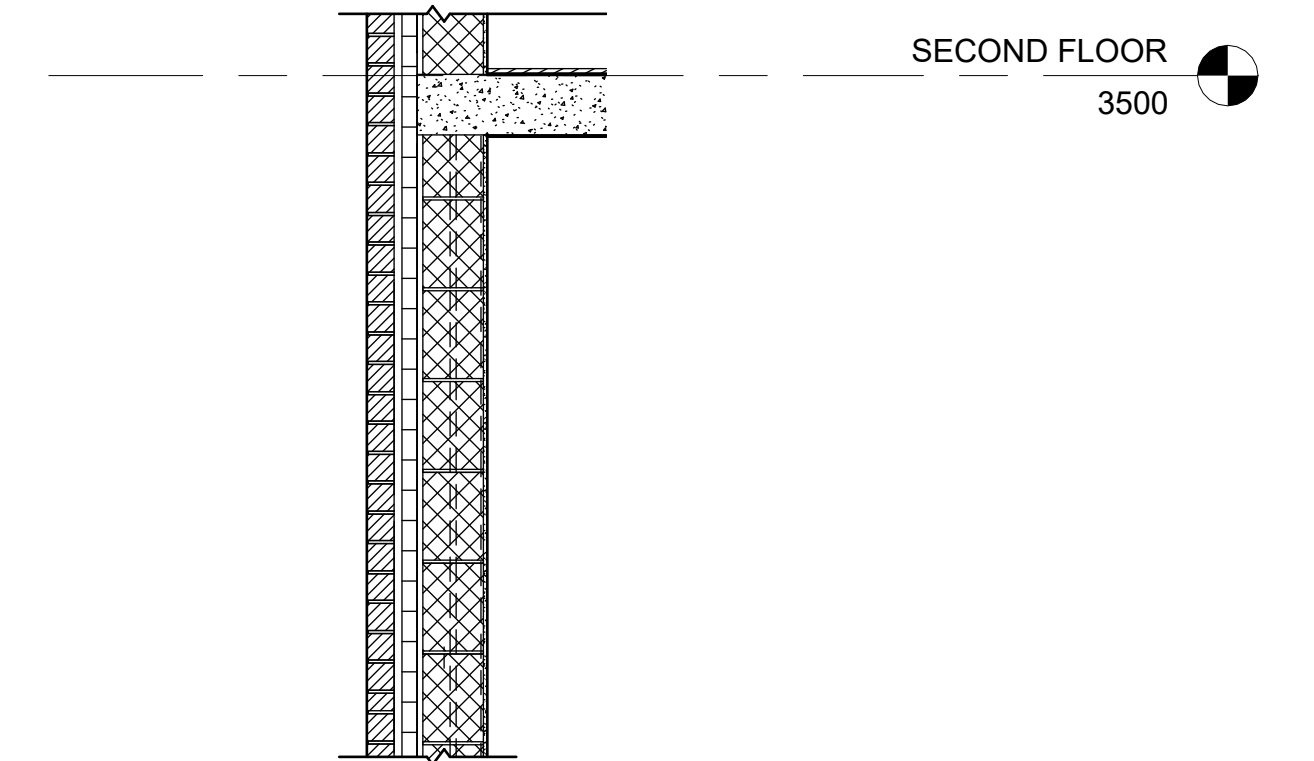
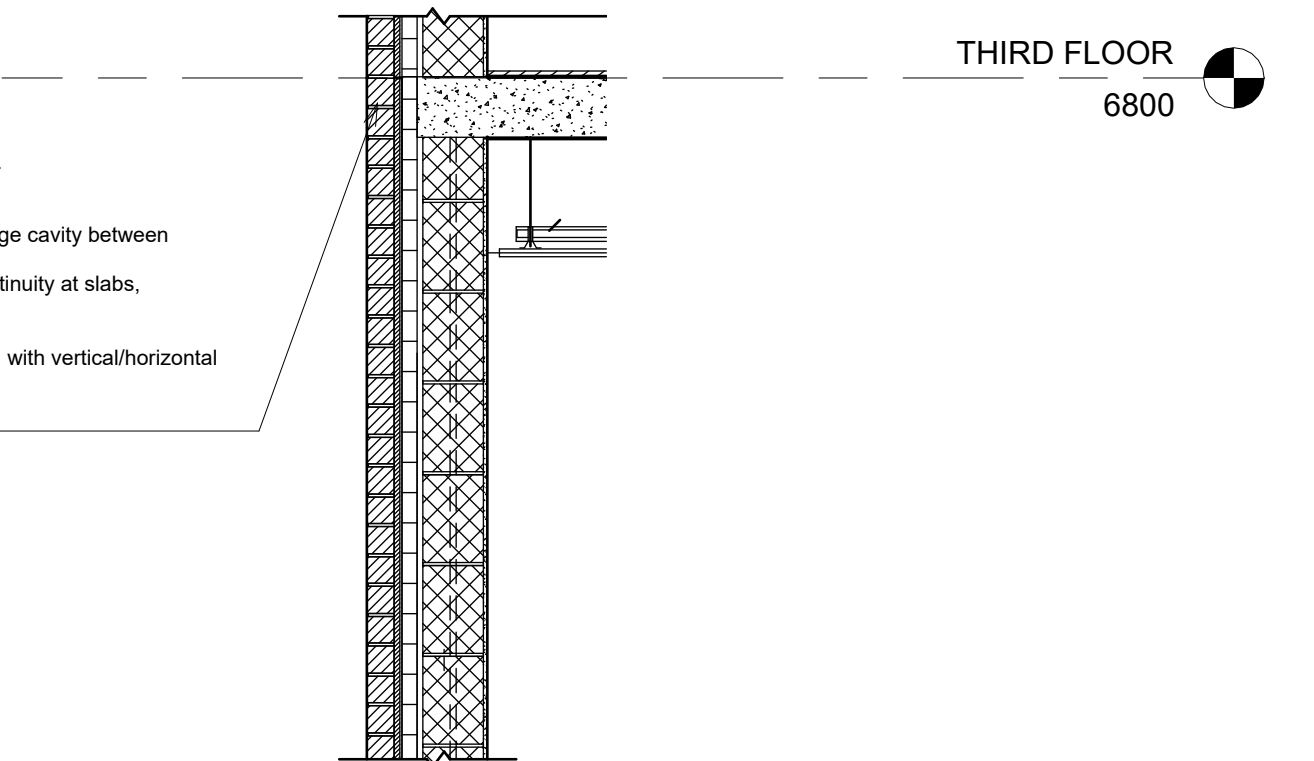
Scale	1 : 25
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- ALUMINUM PARAPET CAP, SLOPED TO ROOF SIDE.
- 90 MM BRICK VENEER WITH SS VENEER TIES @ 900 x 600 MM O.C.
- 26 MM DRAINAGE AIR CAVITY WITH FLASHING & WEEP HOLES @ 600 MM O.C.
- 19 MM FIBREGLASS SHEATHING OVER CONTINUOUS AIR/VAPOUR BARRIER.
- 38 x 150 MM METAL STUDS @ 400 MM O.C. WITH RSI 3.52 BATT INSULATION.
- 13 MM GYPSUM BOARD WITH CONTINUOUS INTERIOR VAPOUR BARRIER.
- MAINTAIN CONTINUOUS AVB WITH THERMAL INSULATION FROM WALL BELOW TO PARAPET.
- PARAPET TO ACHIEVE MIN. 1 HR FRR AND TARGET STC 55 (OBC / SB-3).



- Brick Veneer: 90 mm clay brick veneer per CSA A82 / ASTM C216 Type FBX; Type N mortar per CSA A179.
- Stainless Steel Ties: Adjustable veneer ties @ 900 mm horiz. x 600 mm vert. O.C.
- Air Space: 26 mm drained cavity, continuous and unobstructed.
- Rigid Insulation: 50 mm (R20) semi-rigid insulation, continuous, joints staggered and sealed; maintain drainage cavity between insulation and brick.
- Air Barrier: Continuous membrane on exterior face of CMU; all seams and penetrations sealed; maintain continuity at slabs, headers, and openings.
- Fiberglass Sheathing: 19 mm fiberglass sheathing per ASTM C1177 installed over air barrier.
- CMU Backup: 200 mm reinforced CMU per CSA A165.1; fully grouted per CSA A179; installed per CSA A371 with vertical/horizontal reinforcing as per structural engineer.
- Vapour Barrier: Continuous interior vapor barrier on warm side of assembly.
- Gypsum Board: 13 mm interior gypsum board finish.



1 SOUTH WALL SECTION  
1 : 25

No.	Description	Date

**ARCH 3023  
WORKING DRAWINGS  
SOUTH WALL  
SECTION**

Project number 0001  
Date 5/12/2025  
Drawn by NAZANIN BEIRAMI  
Checked by MARLENE SLOPACK

**A.8.2**

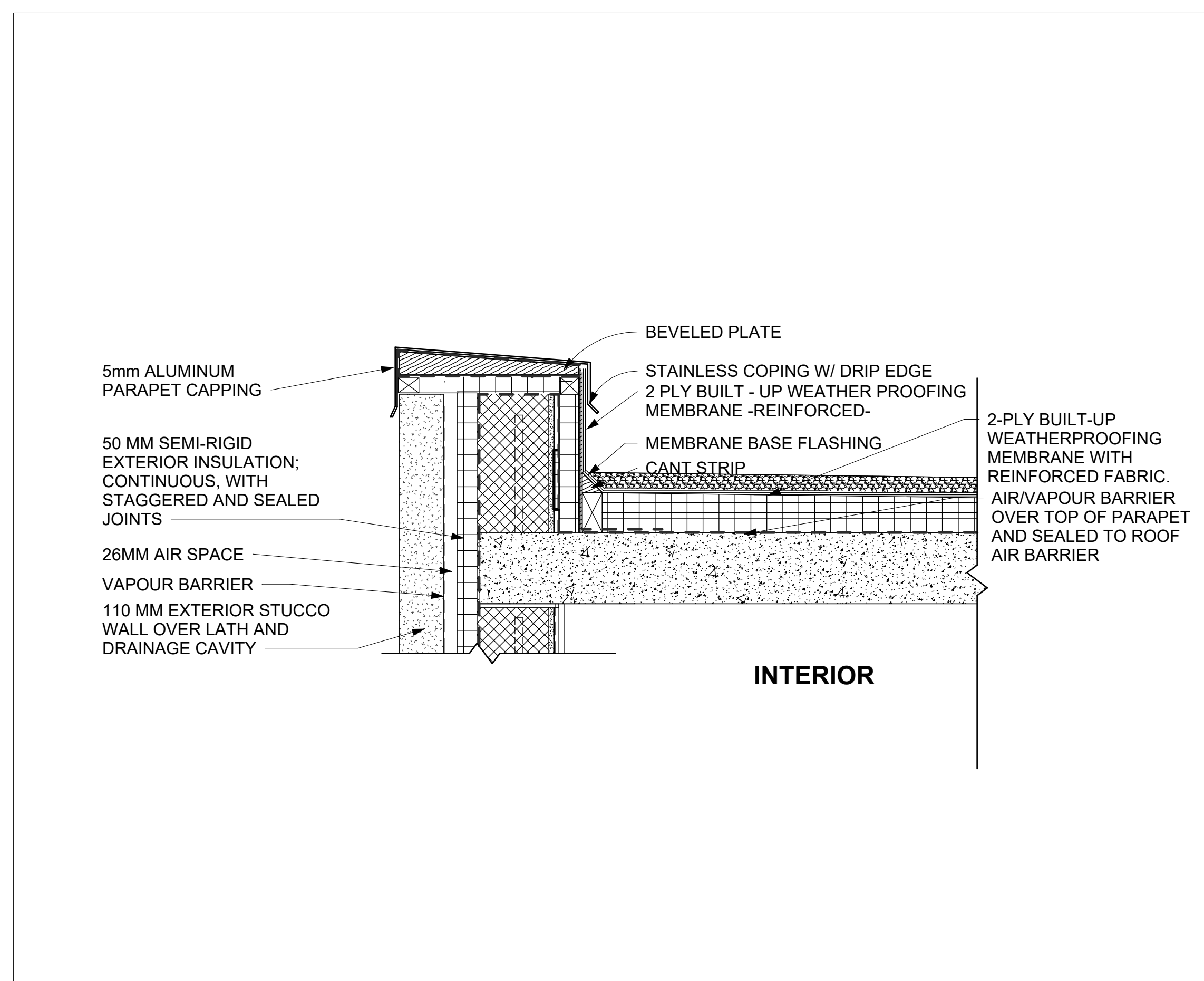
**GENERAL:**  
ENSURE CONTINUITY OF AIR, VAPOR, AND THERMAL BARRIERS THROUGHOUT ASSEMBLY AND AT ALL TRANSITIONS. ALL MATERIALS AND WORKMANSHIP TO CONFORM TO CSA A371 – MASONRY CONSTRUCTION FOR BUILDINGS AND ALL RELATED CSA AND ASTM STANDARDS.



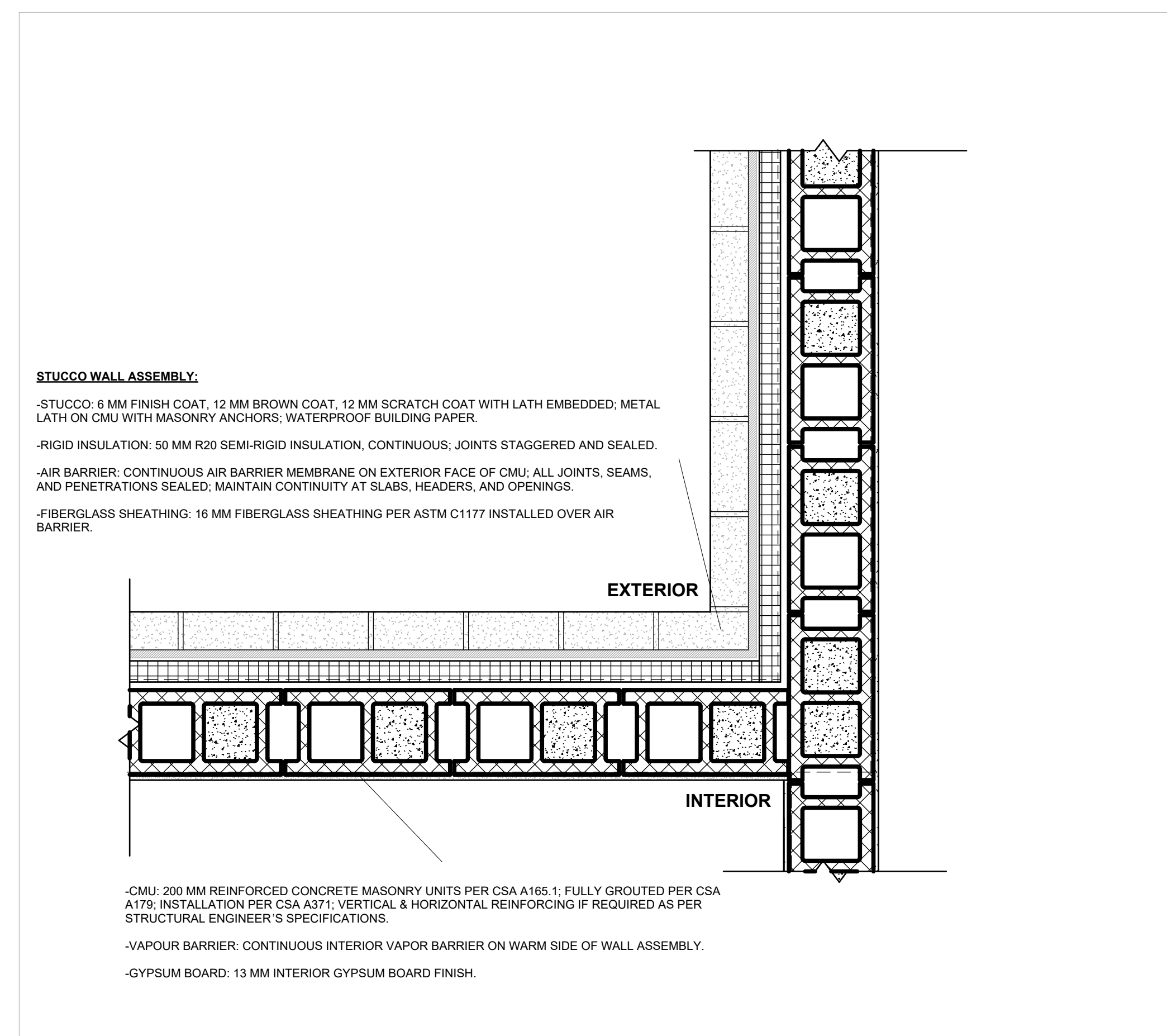








1 PARAPET- SECTION DETAIL  
1 : 10



2 STUCCO WALL - PLAN DETAIL  
1 : 10

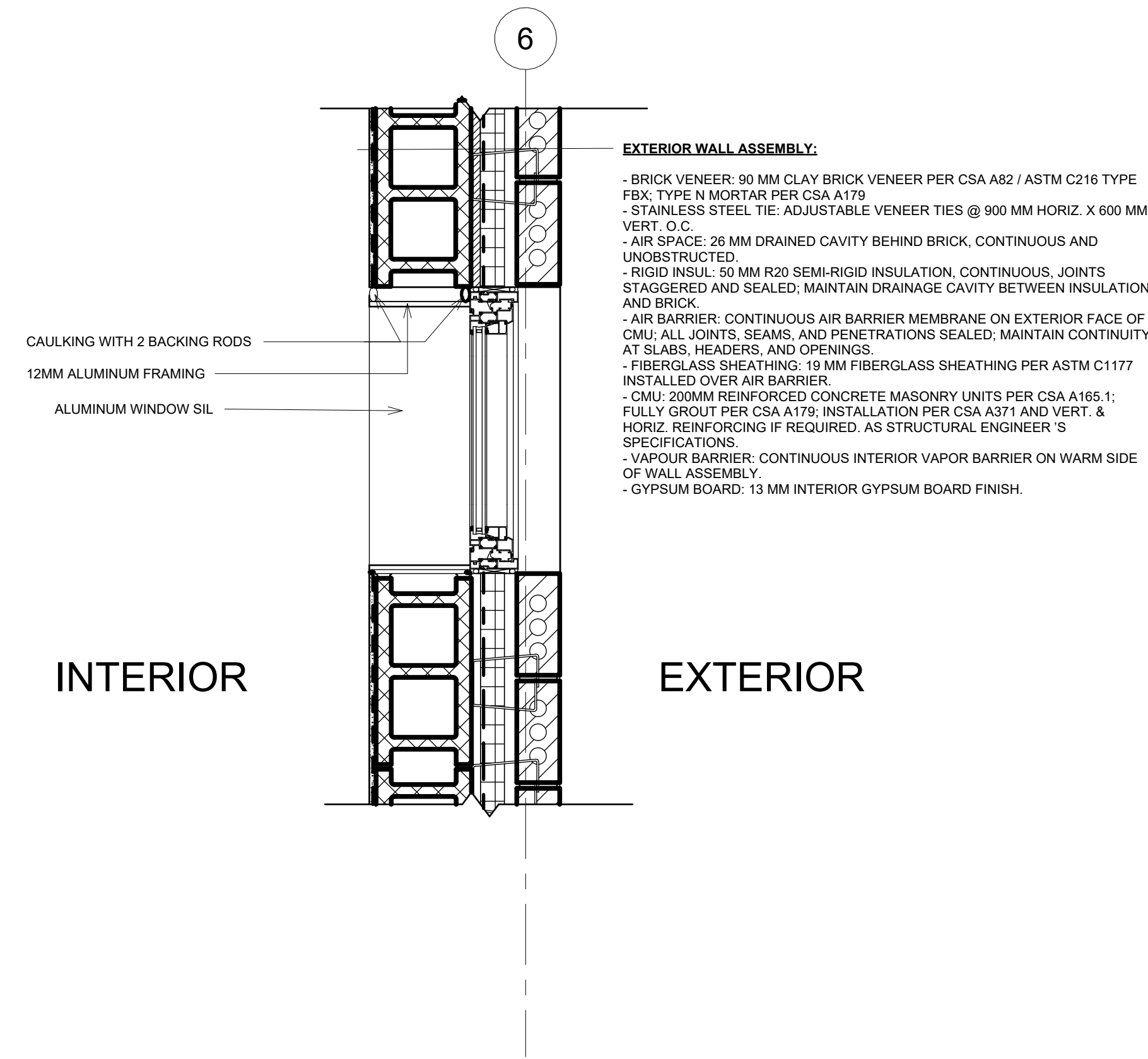
No.	Description	Date

ARCH 3023  
WORKING DRAWINGS  
DETAILS 3

Project number 0001  
Date 05/12/2025  
Drawn by NAZANIN BEIRAMI  
Checked by MARLENE SLOPACK

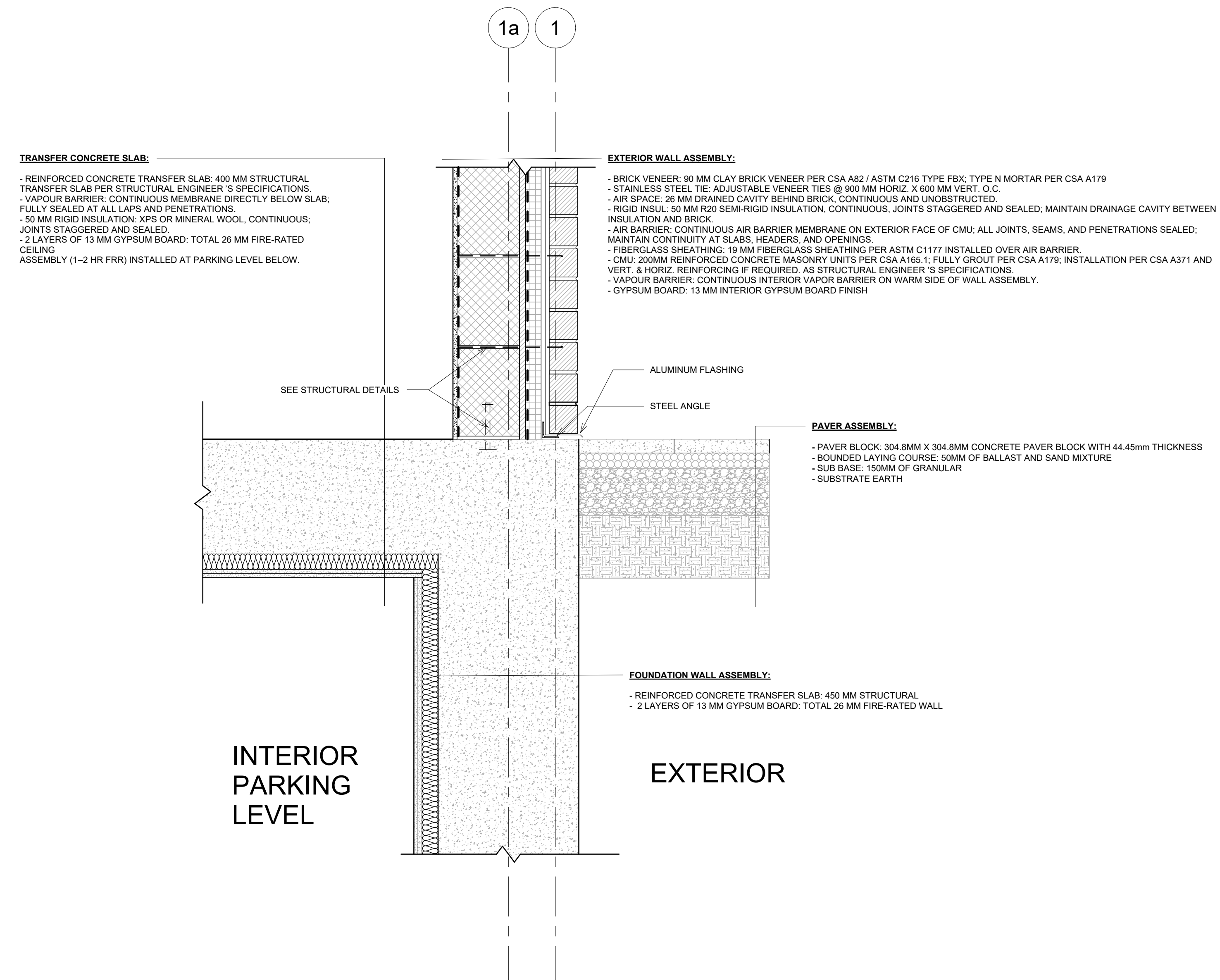
A.9.3

Scale 1 : 10



**EXTERIOR WALL ASSEMBLY:**

- BRICK VENEER: 90 MM CLAY BRICK VENEER PER CSA A82 / ASTM C216 TYPE FBX; TYPE N MORTAR PER CSA A179
- STAINLESS STEEL TIE: ADJUSTABLE VENEER TIES @ 900 MM HORIZ. X 600 MM VERT. O.C.
- AIR SPACE: 26 MM DRAINED CAVITY BEHIND BRICK, CONTINUOUS AND UNOBSTRUCTED
- RIGID INSUL: 50 MM R20 SEMI-RIGID INSULATION, CONTINUOUS, JOINTS STAGGERED AND SEALED; MAINTAIN DRAINAGE CAVITY BETWEEN INSULATION AND BRICK
- AIR BARRIER: CONTINUOUS AIR BARRIER MEMBRANE ON EXTERIOR FACE OF CMU; ALL JOINTS, SEAMS, AND PENETRATIONS SEALED; MAINTAIN CONTINUITY AT SLABS, HEADERS, AND OPENINGS
- FIBERGLASS SHEATHING: 19 MM FIBERGLASS SHEATHING PER ASTM C1177 INSTALLED OVER AIR BARRIER
- CMU: 200MM REINFORCED CONCRETE MASONRY UNITS PER CSA A185.1; FULLY GROUT PER CSA A179; INSTALLATION PER CSA A371 AND VERT. & HORIZ. REINFORCING IF REQUIRED; AS STRUCTURAL ENGINEER'S SPECIFICATIONS.
- VAPOUR BARRIER: CONTINUOUS INTERIOR VAPOUR BARRIER ON WARM SIDE OF WALL ASSEMBLY.
- GYPSUM BOARD: 13 MM INTERIOR GYPSUM BOARD FINISH.



**TRANSFER CONCRETE SLAB:**

- REINFORCED CONCRETE TRANSFER SLAB: 400 MM STRUCTURAL TRANSFER SLAB PER STRUCTURAL ENGINEER'S SPECIFICATIONS.
- VAPOUR BARRIER: CONTINUOUS MEMBRANE DIRECTLY BELOW SLAB; FULLY SEALED AT ALL LAPS AND PENETRATIONS.
- 50 MM RIGID INSULATION: XPS OR MINERAL WOOL, CONTINUOUS; JOINTS STAGGERED AND SEALED.
- 2 LAYERS OF 13 MM GYPSUM BOARD: TOTAL 26 MM FIRE-RATED CEILING ASSEMBLY (1-2 HR FRR) INSTALLED AT PARKING LEVEL BELOW.

**EXTERIOR WALL ASSEMBLY:**

- BRICK VENEER: 90 MM CLAY BRICK VENEER PER CSA A82 / ASTM C216 TYPE FBX; TYPE N MORTAR PER CSA A179
- STAINLESS STEEL TIE: ADJUSTABLE VENEER TIES @ 900 MM HORIZ. X 600 MM VERT. O.C.
- AIR SPACE: 26 MM DRAINED CAVITY BEHIND BRICK, CONTINUOUS AND UNOBSTRUCTED
- RIGID INSUL: 50 MM R20 SEMI-RIGID INSULATION, CONTINUOUS, JOINTS STAGGERED AND SEALED; MAINTAIN DRAINAGE CAVITY BETWEEN INSULATION AND BRICK
- AIR BARRIER: CONTINUOUS AIR BARRIER MEMBRANE ON EXTERIOR FACE OF CMU; ALL JOINTS, SEAMS, AND PENETRATIONS SEALED; MAINTAIN CONTINUITY AT SLABS, HEADERS, AND OPENINGS
- FIBERGLASS SHEATHING: 19 MM FIBERGLASS SHEATHING PER ASTM C1177 INSTALLED OVER AIR BARRIER
- CMU: 200MM REINFORCED CONCRETE MASONRY UNITS PER CSA A185.1; FULLY GROUT PER CSA A179; INSTALLATION PER CSA A371 AND VERT. & HORIZ. REINFORCING IF REQUIRED; AS STRUCTURAL ENGINEER'S SPECIFICATIONS.
- VAPOUR BARRIER: CONTINUOUS INTERIOR VAPOUR BARRIER ON WARM SIDE OF WALL ASSEMBLY.
- GYPSUM BOARD: 13 MM INTERIOR GYPSUM BOARD FINISH

**PAVER ASSEMBLY:**

- PAVER BLOCK: 304.8MM X 304.8MM CONCRETE PAVER BLOCK WITH 44.45mm THICKNESS
- BOUNDED LAYING COURSE: 50MM OF BALLAST AND SAND MIXTURE
- SUB BASE: 150MM OF GRANULAR
- SUBSTRATE EARTH

**FOUNDATION WALL ASSEMBLY:**

- REINFORCED CONCRETE TRANSFER SLAB: 450 MM STRUCTURAL
- 2 LAYERS OF 13 MM GYPSUM BOARD: TOTAL 26 MM FIRE-RATED WALL

1 WINDOW - PLAN DETAIL  
1 : 10

2 TRANSFER SLAB - SECTION DETAIL  
1 : 10

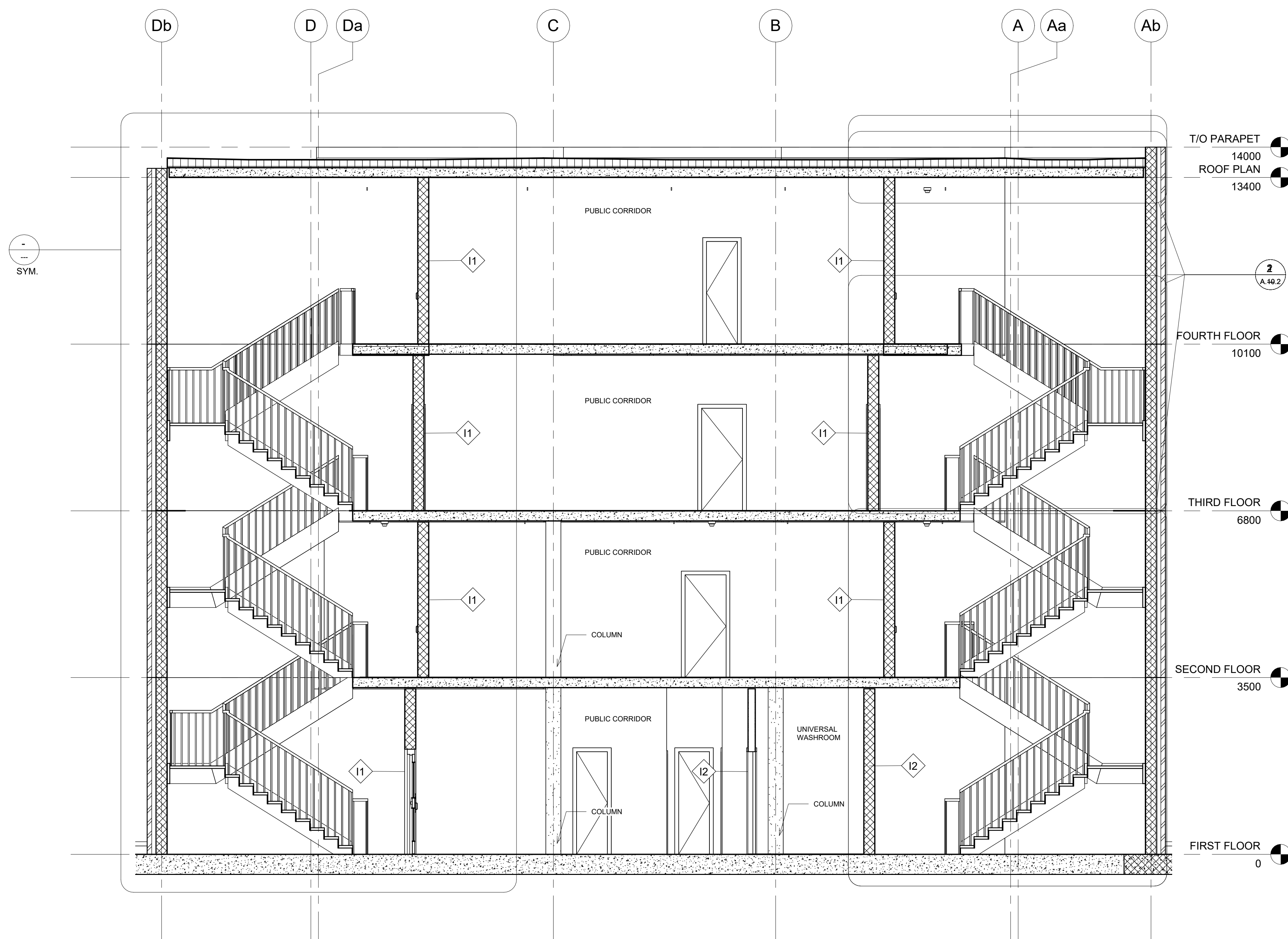
No.	Description	Date

**ARCH 3023**  
**WORKING DRAWINGS**  
**DETAILS 4**

Project number	0001
Date	05/12/2025
Drawn by	ERNESTO CUEVA FOX
Checked by	MARLENE SLOPACK

A.9.4

Scale	1 : 10
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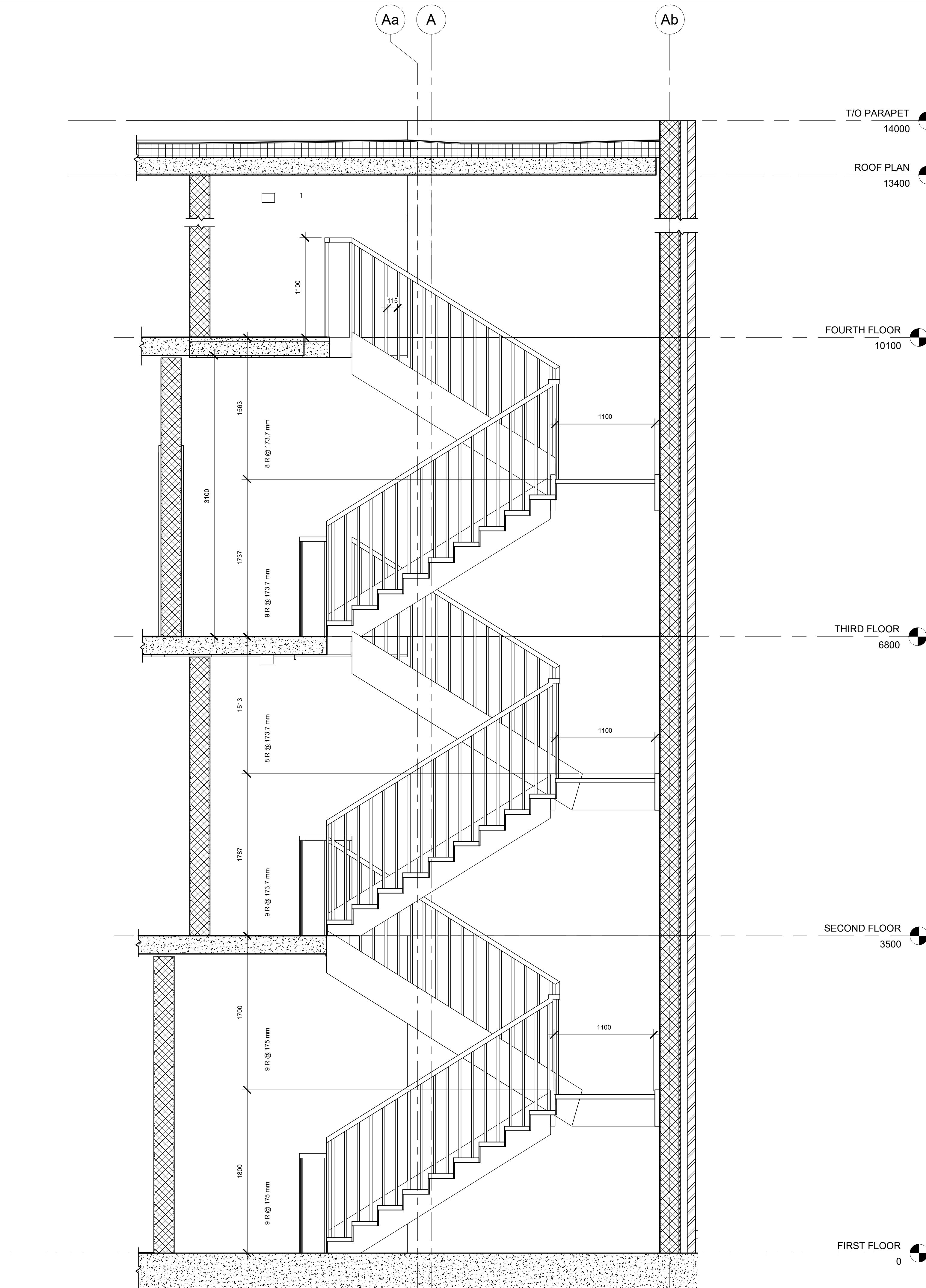
1 TRANSVERSE BUILDING CROSS SECTION  
1 : 50

No.	Description	Date

ARCH 3023  
WORKING DRAWINGS  
TRANSVERSE BUILDING C.S.

Project number	0001
Date	05/12/2025
Drawn by	ERNESTO CUEVA FOX
Checked by	MARLENE SLOPACK

A.10.1



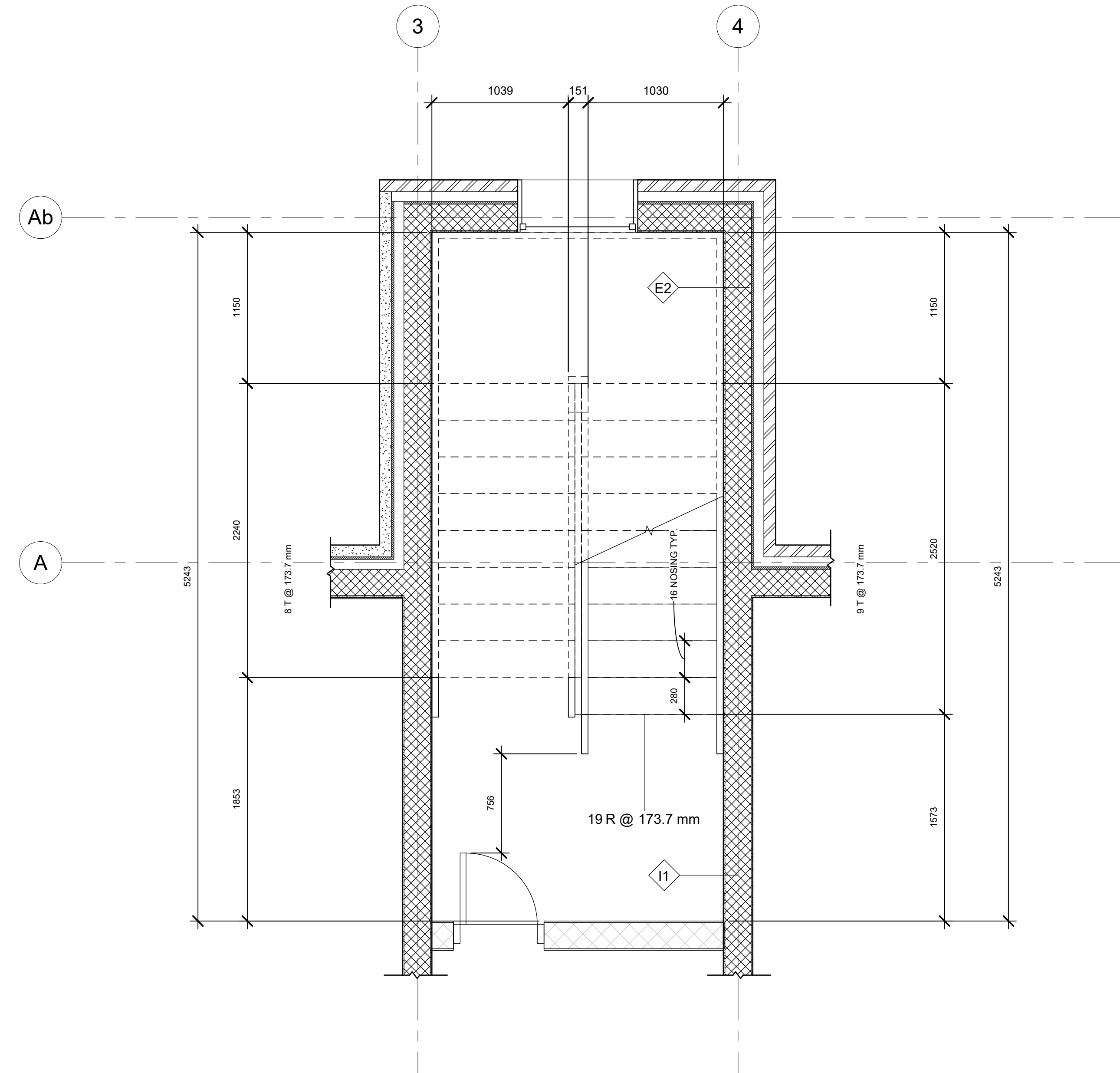
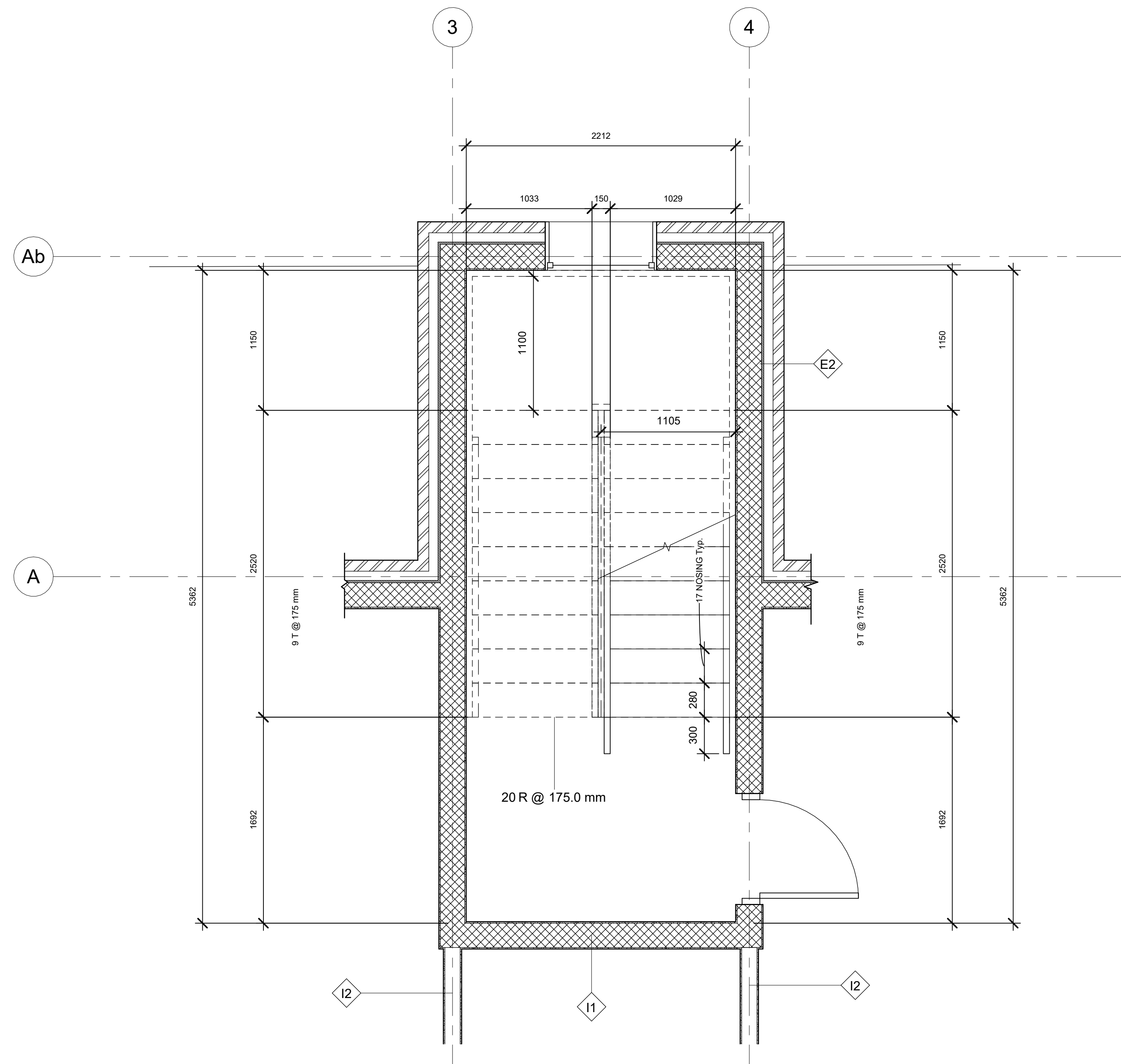
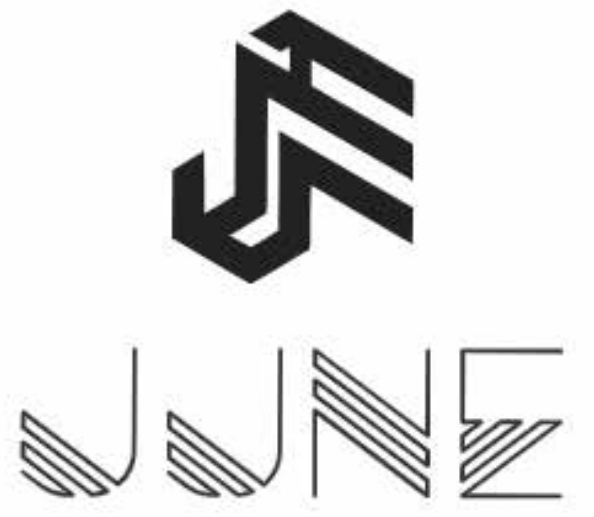
1 STAIRS SECTION  
1:25

No.	Description	Date

**ARCH 3023  
WORKING DRAWINGS  
STAIR SECTION**

Project number 0001  
Date 05/12/2025  
Drawn by ERNESTO CUEVA FOX  
Checked by MARLENE SLOPACK

**A.10.2**  
Scale 1:25



2 STAIRS - FIRST FLOOR  
1 : 25

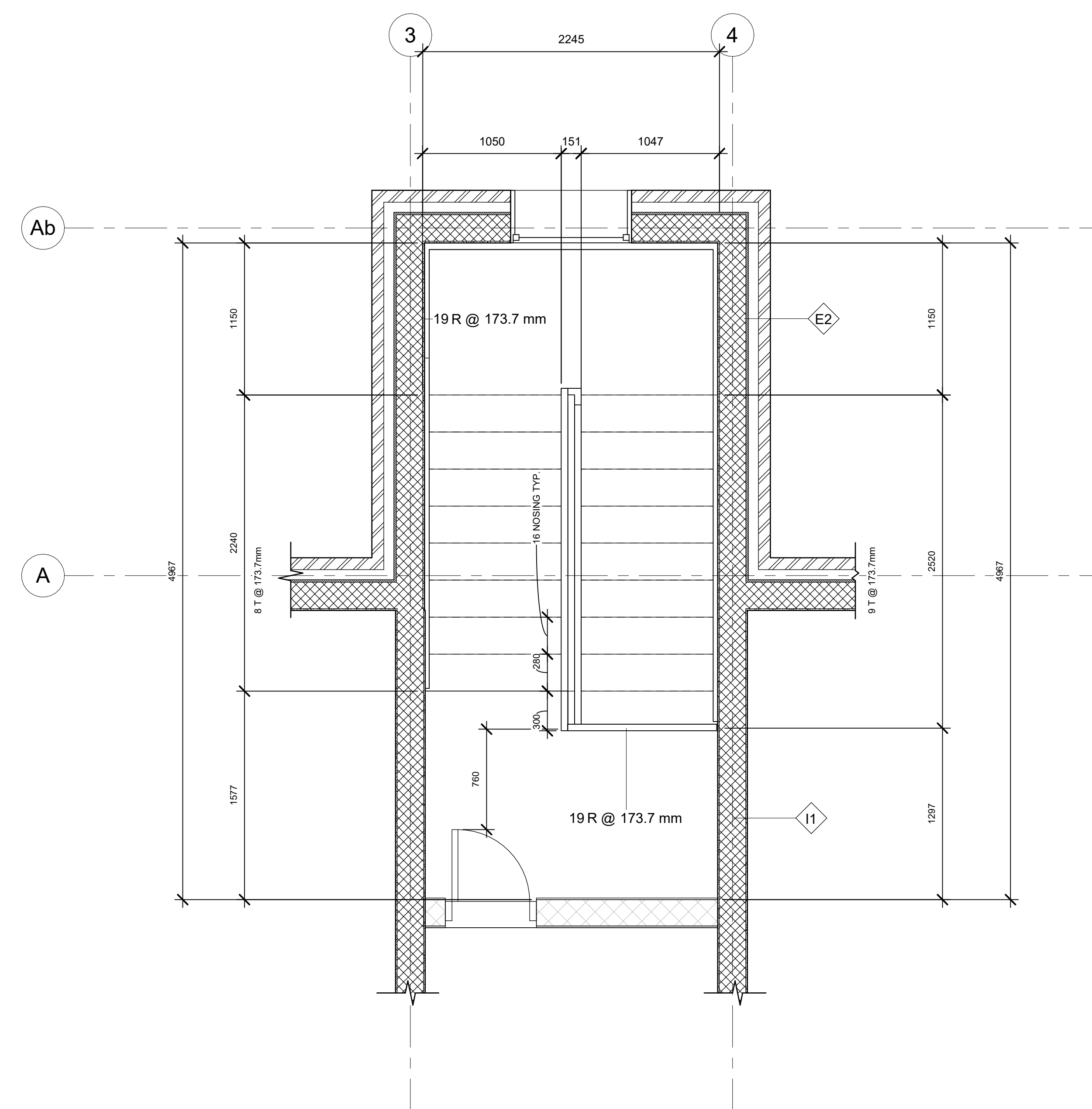
3 STAIRS - SECOND / THIRD  
1 : 25

No.	Description	Date

ARCH 3023  
WORKING DRAWINGS  
STAIR DETAILS 1

Project number 0001  
Date 05/12/2025  
Drawn by ERNESTO CUEVA FOX  
Checked by MARLENE SLOPACK

A.11.1



**1** STAIRS - FOURTH FLOOR  
1 : 25

No.	Description	Date

**ARCH 3023**  
**WORKING DRAWINGS**  
**STAIR DETAILS 2**

Project number 0001  
 Date 05/12/2025  
 Drawn by ERNESTO CUEVA FOX  
 Checked by MARLENE SLOPACK

**A.11.2**

Scale 1 : 25