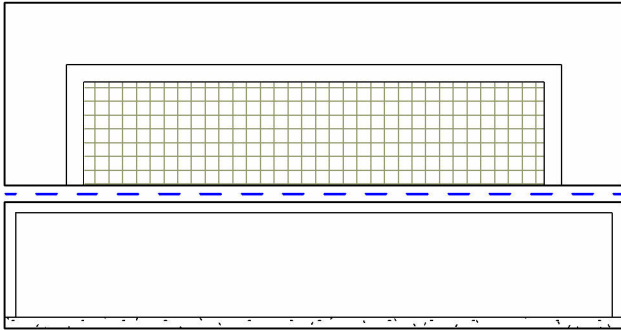
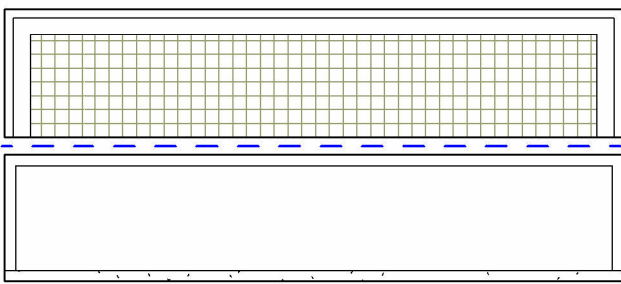
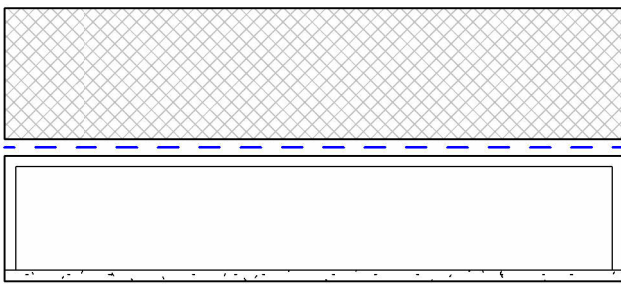
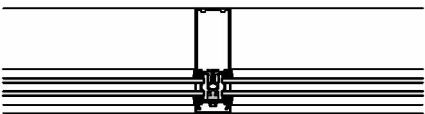
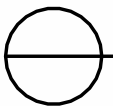


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EXTERIOIR CLADDING

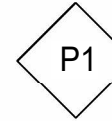
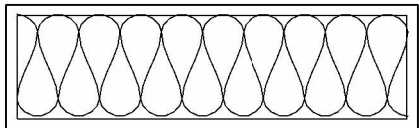
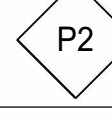
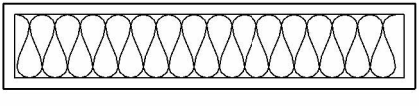
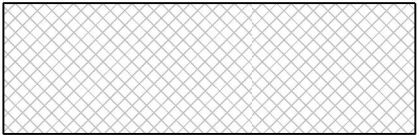
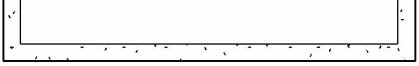
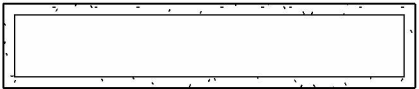
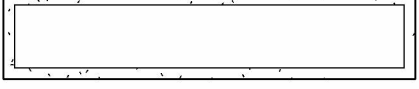
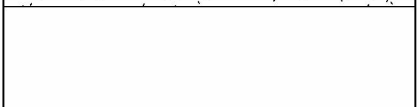
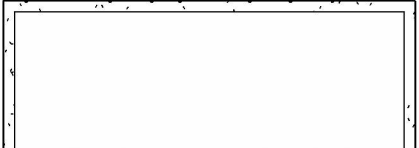
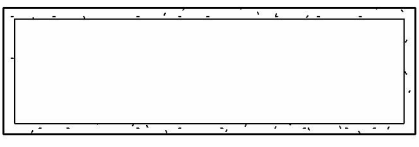
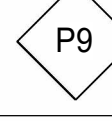
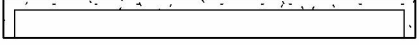
SYMBOL	FIRE RATING	SOUND RATING	CONSTRUCTION DETAIL	DESCRIPTION
				NON-LOADBEARING CLADDING WALL RSI: 4.802 BRICK MASONRY WITH BACK UP WALL -80MM BRICK PAINTED BLACK -20MM AIR GAP -152MM ROCKWOOL SEMI-RIGID INSULATION -WB MEMBRANE LAYER -16MM SHEATHING -152MM NON-LOADBEARING STEEL STUD WALL SPACED @ 400MM O/C -16MM GYPSUM WALL BOARD
				NON-LOADBEARING CLADDING WALL RSI: 4.755 METAL COMPOSITE PANELS WITH BACK UP WALL -13MM CLADDING -25MM AIR GAP -152MM ROCKWOOL SEMI-RIGID INSULATION -WB MEMBRANE LAYER -16MM SHEATHING -152MM NON-LOADBEARING STEEL STUD WALL SPACED @ 400MM O/C -16MM GYPSUM WALL BOARD
				NON-LOADBEARING CONCRETE WALL CMU WALL WITH BACK UP WALL -CMU WALL -20MM AIR GAP -WB MEMBRANE LAYER -16MM SHEATHING -152MM NON-LOADBEARING STEEL STUD WALL SPACED @ 400MM O/C C/W 152MM ROCKWOOL INSULATION -16MM GYPSUM WALL BOARD
				

 Legend 1
SCALE: 1 : 10

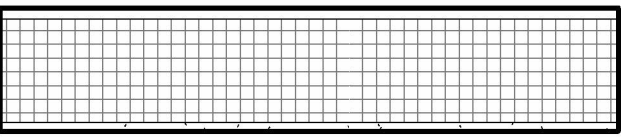
FLOOR ASSEMBLIES

SYMBOL	FIRE RATING	SOUND RATING	CONSTRUCTION DETAIL	DESCRIPTION
	NBC-45 MIN ULC: 1 HR	49		SLAB ON GRADE -POURED CONCRETE SLAB -18MM POLYOLEFIN SHEET -152MM RIGID INSULATION -LOOSE GRAVEL
	NBC-45 MIN ULC: 1 HR			

INTERIOIR PARTITION

SYMBOL	FIRE RATING	SOUND RATING	CONSTRUCTION DETAIL	DESCRIPTION
	NBC-45 MIN ULC: 1 HR	49		NON-LOADBEARING FRR 1 HR UL-419 OR ULC-W453 -16MM FIRE RATED TYPE X GYPSUM WALL BOARD -152MM STEEL STUD SPACED @ 400MM OC C/W 152MM THERMAFIBRE INSULATION -16MM FIRE RATED TYPE X GYPSUM WALL BOARD
	NBC-45 MIN ULC: 1 HR	49		NON-LOADBEARING FRR 1 HR UL-419 OR ULC-W453 -16MM FIRE RATED TYPE X GYPSUM WALL BOARD -50MM STEEL STUD SPACED @ 400MM OC C/W 82MM THERMAFIBRE INSULATION -16MM FIRE RATED TYPE X GYPSUM WALL BOARD
	NBC-45 MIN ULC: 2 HOUR			NON-LOADBEARING FRR 2 HOUR CMU WALL -180MM CMU WALL TO BE PAINTED WHERE EXPOSED AND NOT PROTECTED BY A FURRING WALL
	NBC-45 MIN ULC: 1 HR			LOAD BEARING FRR 1HR UL-419 OR ULC-W452 SYSTEM A STEEL SHAFT WALL -25MM GYPSUM WALL BOARD -100MM STEEL STUD SPACED @ 400MM OC C/W 82MM THERMAFIBRE INSULATION FOR SOUND TRANSMISSION -16MM GYPSUM WALL BOARD
				NON-LOADBEARING STUD WALL -16MM FIRE RATED TYPE X GYPSUM WALL BOARD -50MM STEEL STUD SPACED @ 400MM OC C/W 82MM THERMAFIBRE INSULATION -16MM FIRE RATED TYPE X GYPSUM WALL BOARD
	FRR:0 FIRE SEPARATION IS REQUIRED			NON-LOADBEARING FIRE SEPARATED STUD WALL FRR:0 -16MM GYPSUM WALL BOARD -152MM STEEL STUD SPACED @ 800MM OC -16MM GYPSUM WALL BOARD
				PLUMBING WALL/FURRING WALL -152MM STEEL STUD SPACED @ 800MM OC -16MM GYPSUM WALL BOARD
				PLUMBING WALL -16MM GYPSUM WALL BOARD -203MM STEEL STUD SPACED @ 800MM OC -16MM GYPSUM WALL BOARD
				PLUMBING WALL -16MM GYPSUM WALL BOARD -152MM STEEL STUD SPACED @ 800MM OC -16MM GYPSUM WALL BOARD
				FURRING WALL TERMINATES AT CEILING -41 STEEL STUD -16MM GYPSUM WALL BOARD

ROOF ASSEMBLIES

SYMBOL	FIRE RATING	SOUND RATING	CONSTRUCTION DETAIL	DESCRIPTION
				ROOF RSI:6.882 -3MM ROOFING TPO -13.00MM COVERBOARD -152MM INSULATION WEATHER BARRIER -38MM STEEL DECK JOIST STRUCTURE REFER TO STRUCTURAL PLANS

NEBC 3.2.2.2
WALLS 1/0.715= RSI 4.65
4.65X5.678=26.4R

ROOFS 1/0.121= RSI 8.264
8.254X 5.678=46.92R

FLOORS 1/0.138=RSI 7.246
7.246X5.678=R41.14



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SEALS

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CLIENT

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PROJECT

BOWNESS COMMERCIAL
BUILDING

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KEYPLAN

SHEET

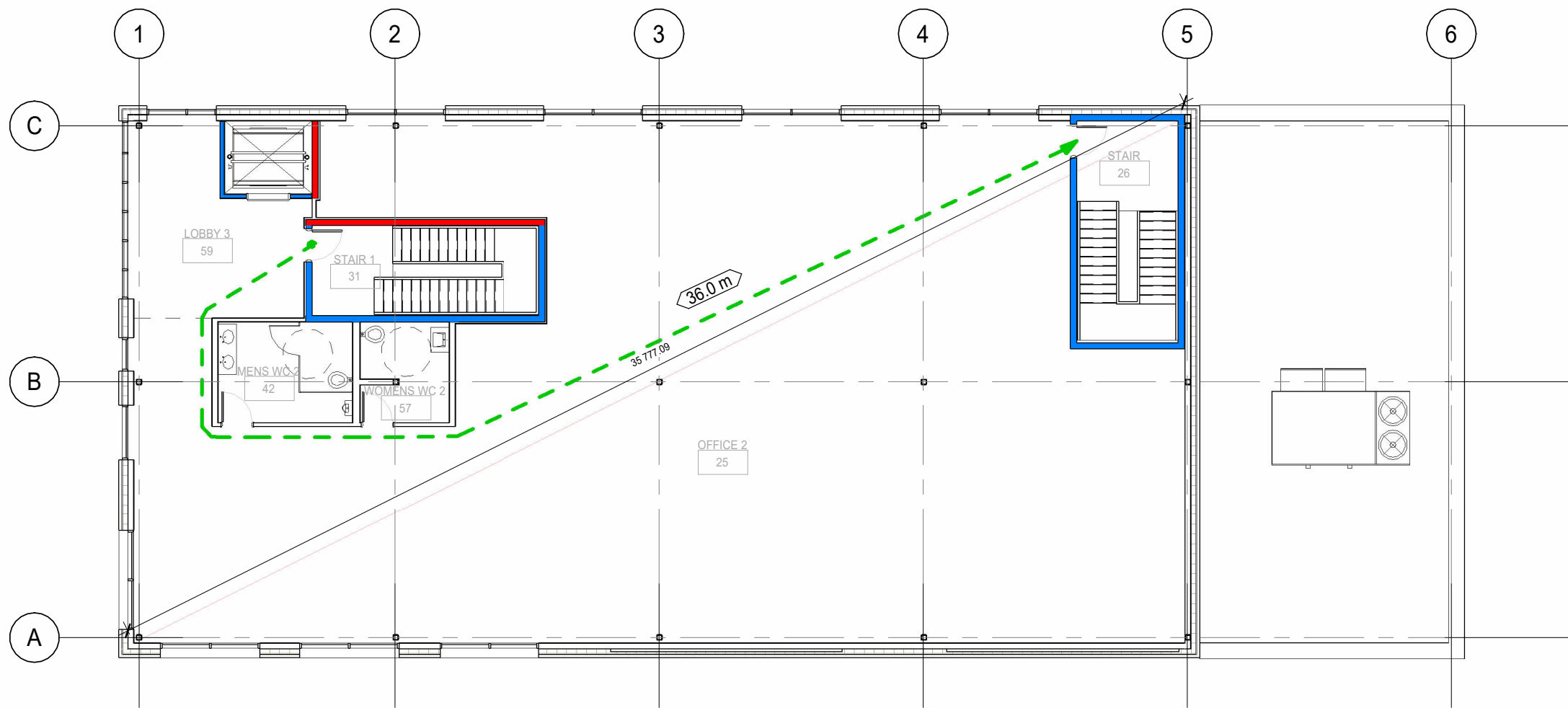
ASSEMBLIES

DRAWN BY Author CHECKED BY Checker

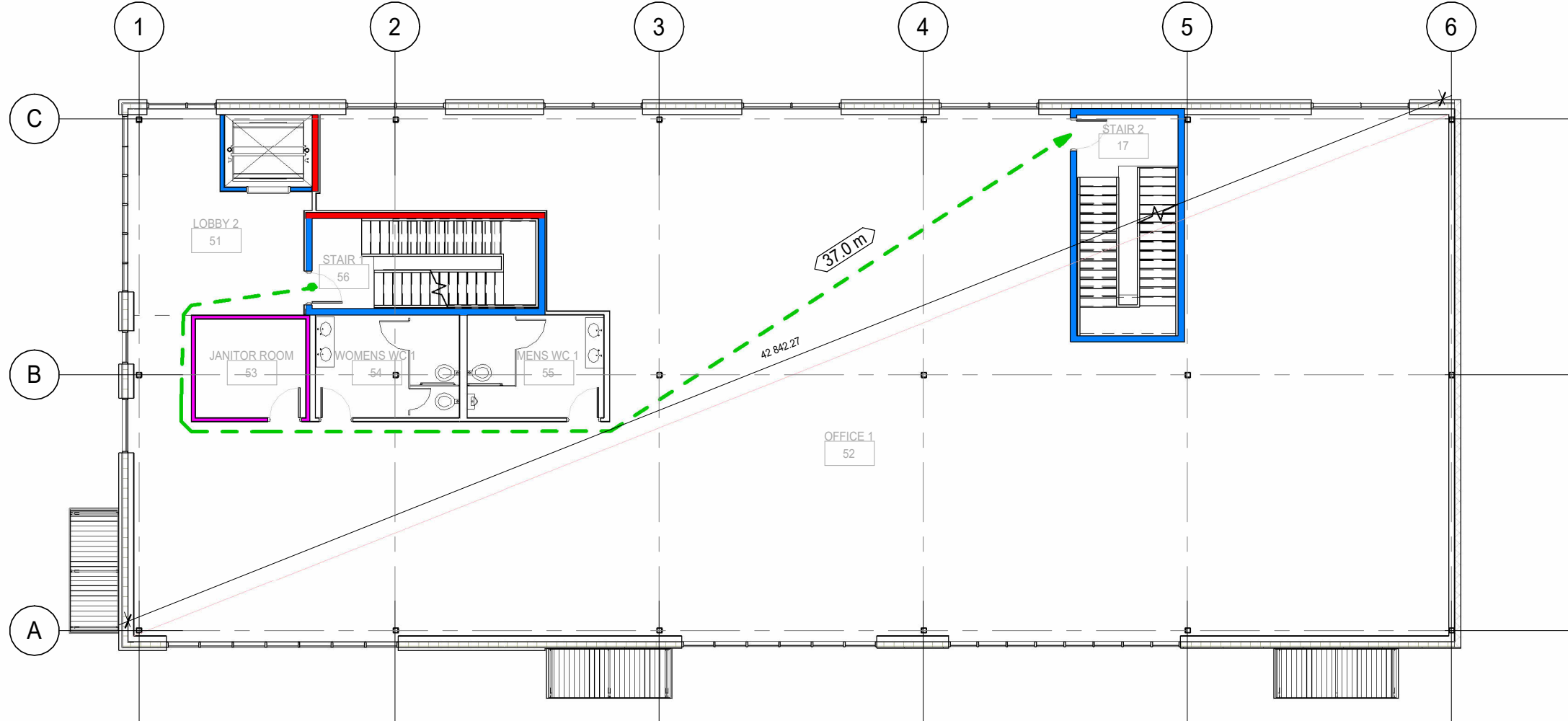
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A003

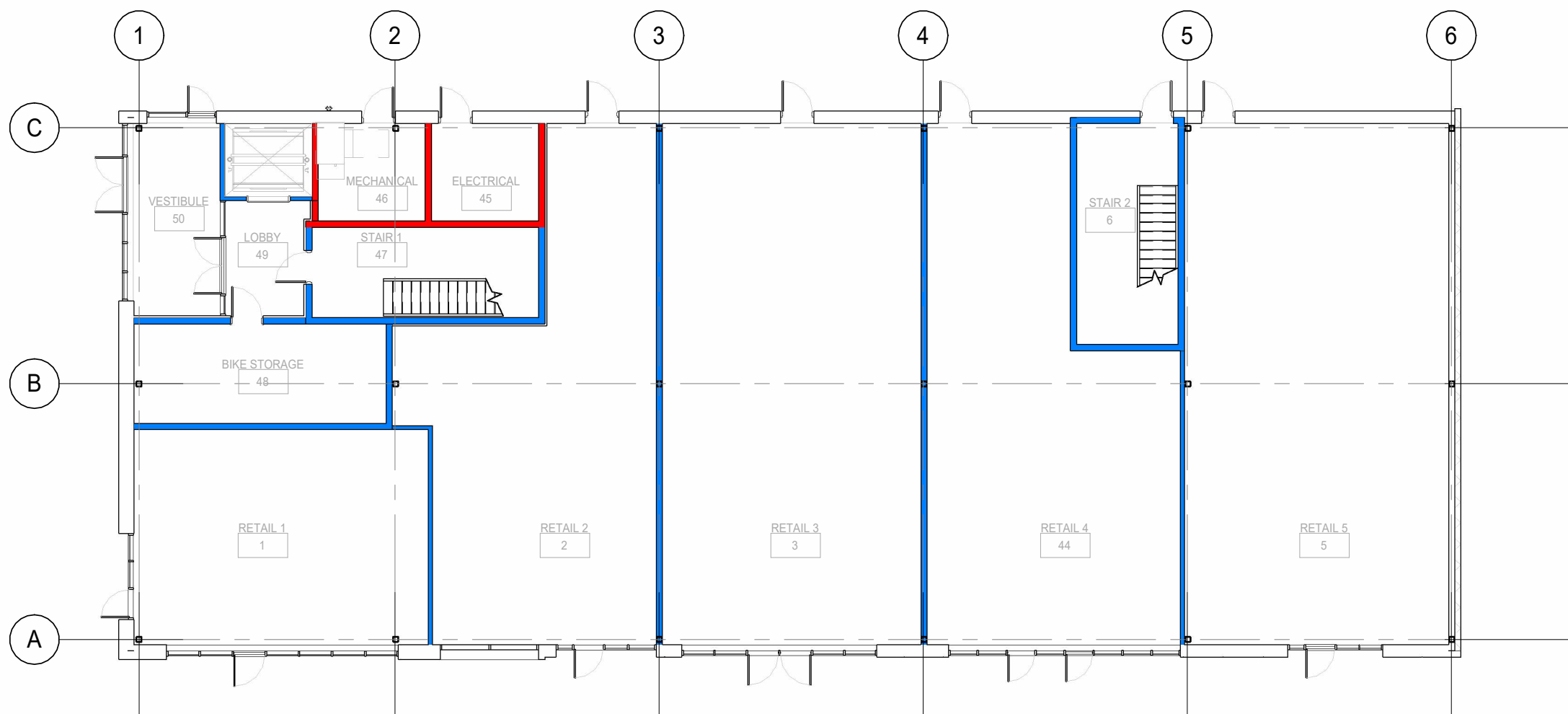
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3 LEVEL 3 FIRE CODE
A004 SCALE: 1 : 150



2 LEVEL 2 FIRE CODE
A004 SCALE: 1 : 150



1 MAIN FLOOR FIRE CODE
A004 SCALE: 1 : 150

LIFE SAFETY REVIEW

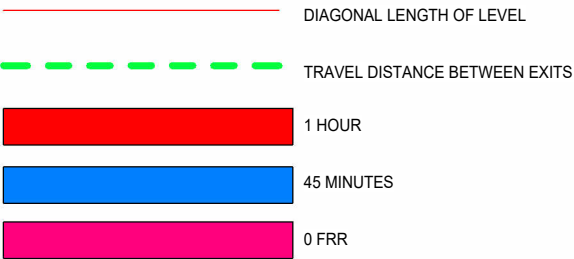
OCCUPANCY CLASSIFICATION	TABLE 3.1.2.1	GROUP D: BUSINESS AND PERSONAL SERVICES GROUP E: MERCANTILE OCCUPANCIES
MULTIPLE MAJOR OCCUPANCIES	3.2.2.6	IN A BUILDING CONTAINING MORE THAN ONE MAJOR OCCUPANCY THE REQUIREMENTS FOR THE MOST RESTRICTED MAJOR OCCUPANCY SHALL APPLY TO THE WHOLE BUILDING.
SUPERIMPOSED MAJOR OCCUPANCIES	3.2.2.7	ONE MAJOR OCCUPANCY LOCATED ENTIRELY ABOVE ANOTHER MAJOR OCCUPANCY THE REQUIREMENTS FOR EACH MAJOR OCCUPANCY SHALL APPLY TO THAT PORTION AS IF THE ENTIRE BUILDING WERE OF THAT MAJOR OCCUPANCY.
BUILDING CLASSIFICATION	3.2.2.8/7 3.2.2.6/1	GROUP E UP TO 3 STOREYS SPRINKLERED THROUGHOUT GROUP D UP TO 3 STOREYS AND SPRINKLERED THROUGHOUT
BUILDING HEIGHT	3 STOREYS	
BUILDING AREA	1759.62 SQM	
SPRINKLERED OR NON SPRINKLERED	SPRINKLERED	
TYPE OF CONSTRUCTION	COMBUSTIBLE OR NON COMBUSTIBLE	
FLOOR ASSEMBLY SEPARATION		
LOAD BEARING WALLS AND SUPPORTING COLUMNS	NOT LESS THAN THE SUPPORTED FLOOR	
SEPARATION OF SUITES	3.3.1.1(2)	NOT LESS THAN 45 MIN.
SERVICE ROOMS		
MECHANICAL ROOM	3.6.2.1(1)	FIRE SEPARATION FIRE RATING NOT LESS THAN 1 HOUR
ELECTRICAL ROOM	3.6.2.1(1)	FIRE SEPARATION FIRE RATING NOT LESS THAN 1 HOUR
JANITOR ROOM	3.3.1.21(3)	FIRE SEPARATION 0 HOUR FIRE RATING
EXITS		

DISTANCE BETWEEN EXITS (1)

3.4.2.3
EXCEPT AS (2) THE LEAST DISTANCE BETWEEN 3 EXITS FROM A FLOOR AREA SHALL BE
A) ONE HALF THE MAXIMUM DIAGONAL DIMENSION OF THE FLOOR AREA BUT NEED NOT BE MORE THAN 9M FOR A FLOOR AREA HAVING A PUBLIC CORRIDOR OR
B) ONE HALF THE MAXIMUM DIAGONAL DIMENSION OF THE FLOOR AREA BUT NOT LESS THAN 9M FOR ALL OTHER FLOOR AREAS

LEVEL 2 DIAGONAL DISTANCE
35.77M
HALF THE DIAGONAL DISTANCE
17.88M
ACTUAL DISTANCE BETWEEN EXITS
36M

LEVEL 3 DIAGONAL DISTANCE
42.84M
HALF THE DIAGONAL DISTANCE
21.42
ACTUAL DISTANCE BETWEEN EXITS
37M



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SEALS

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KEYPLAN

SHEET

FIRE SAFETY

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SHEET NO.

A004

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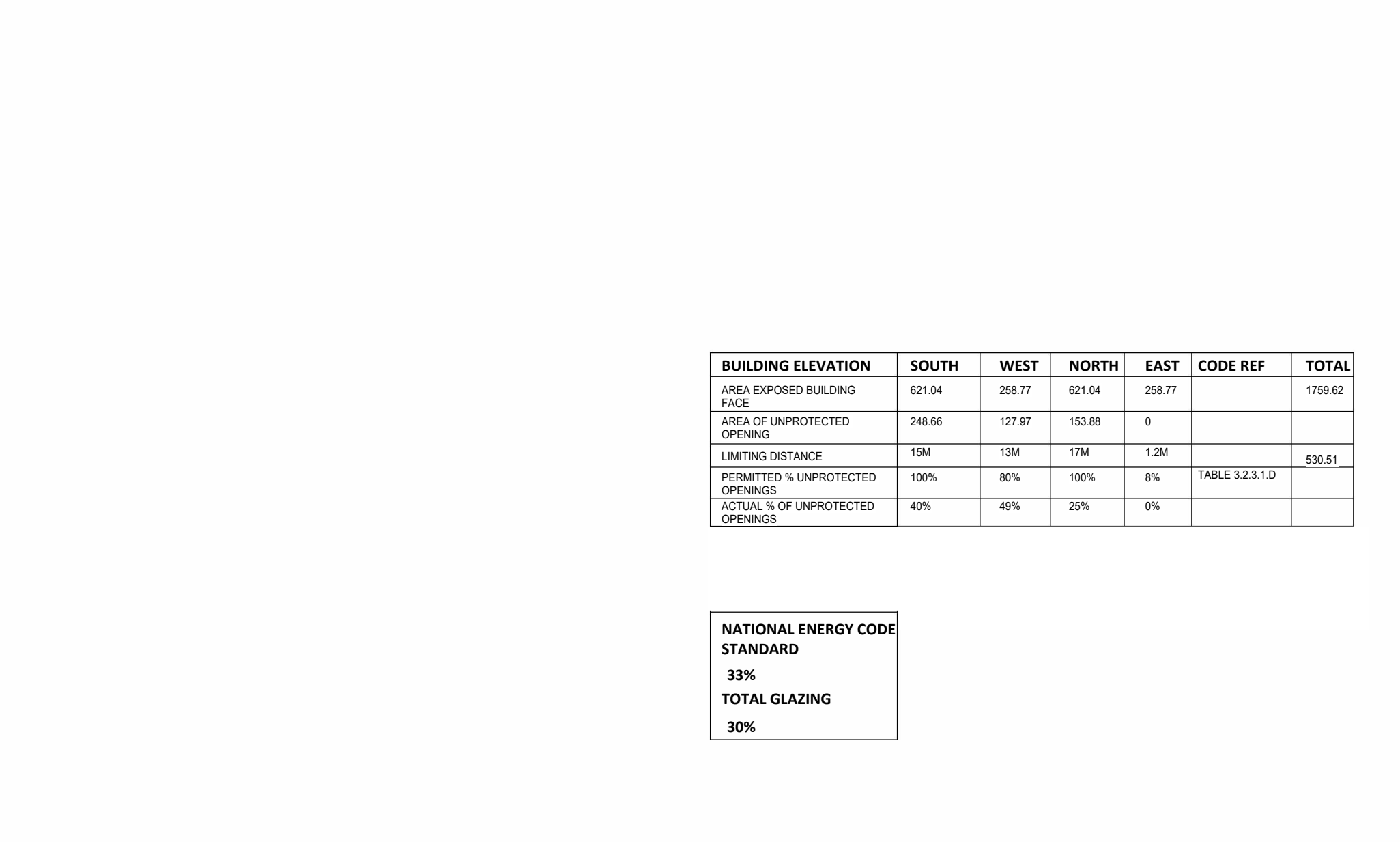
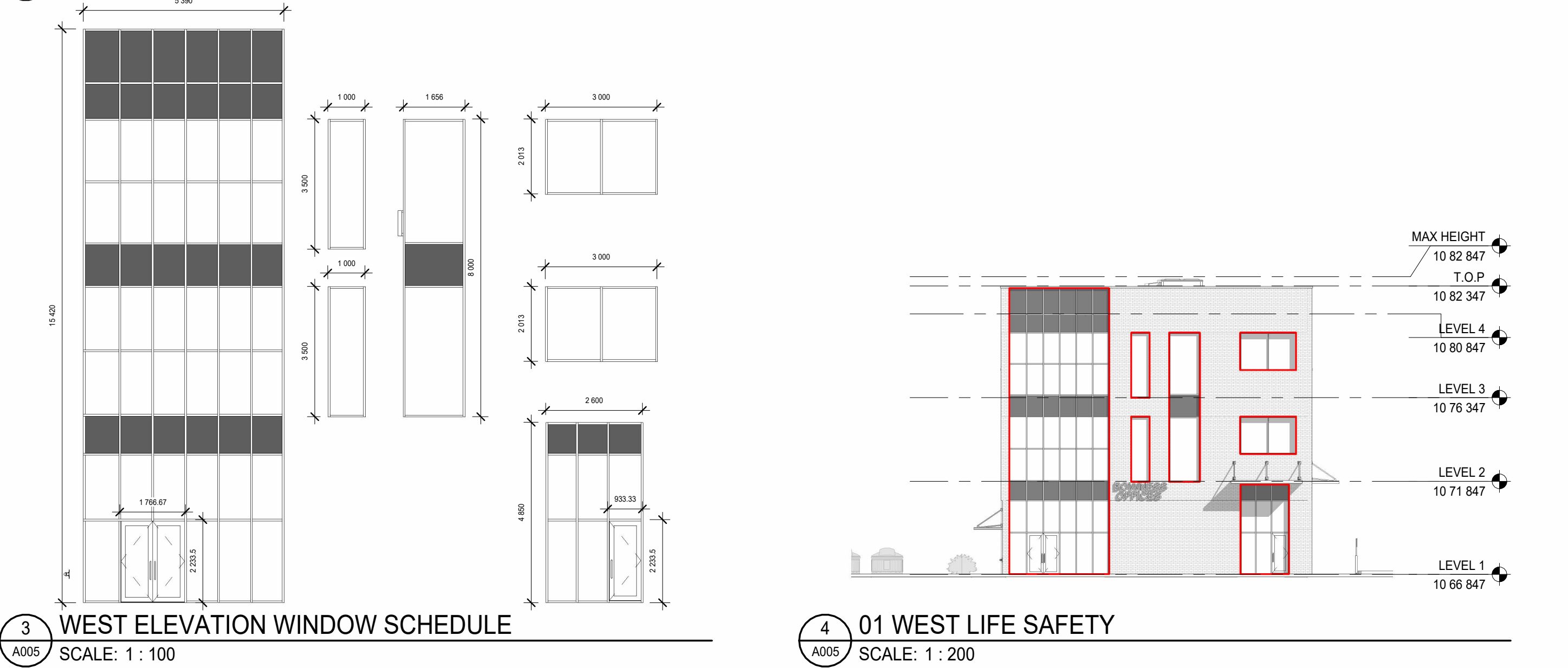
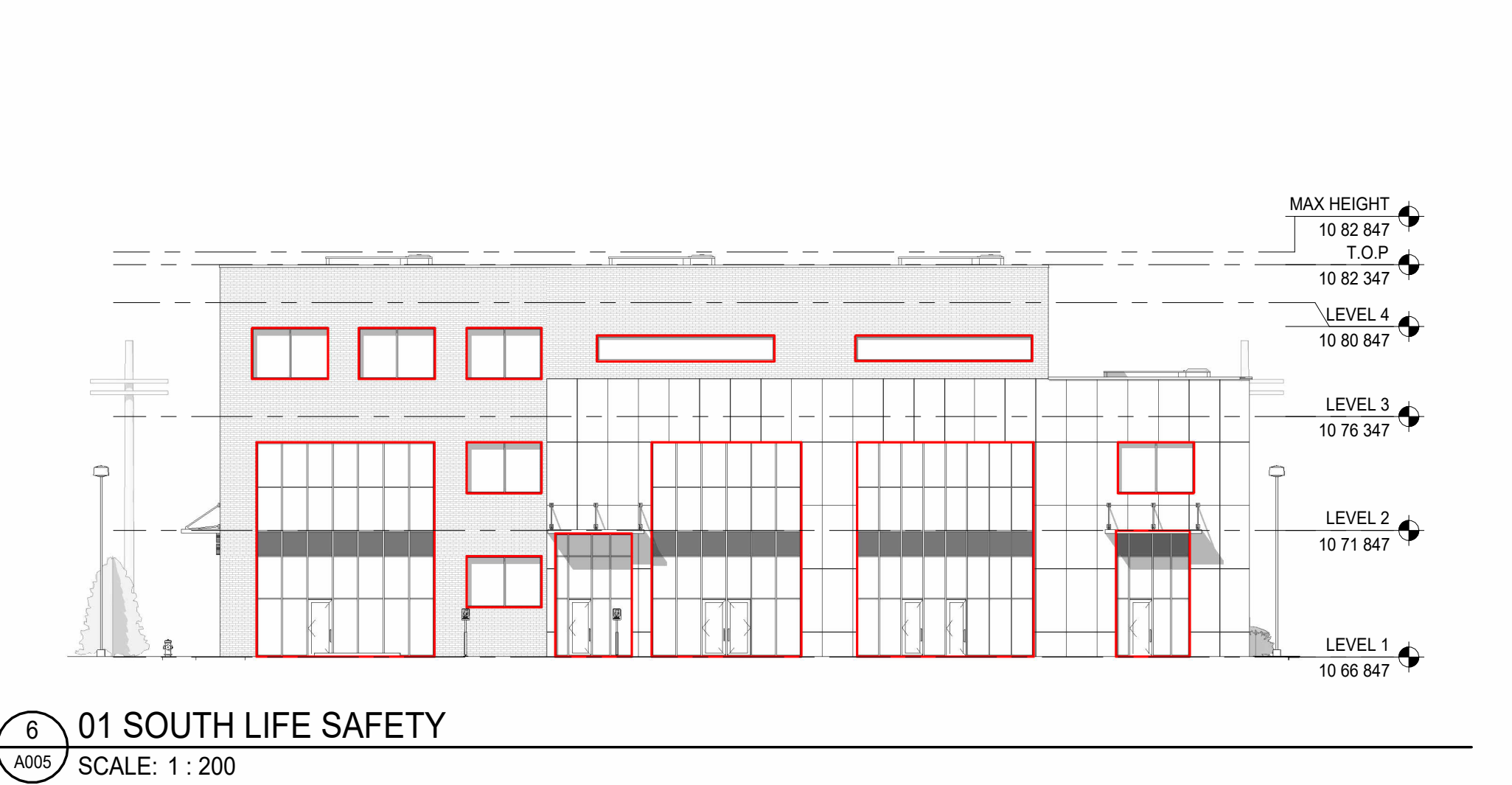
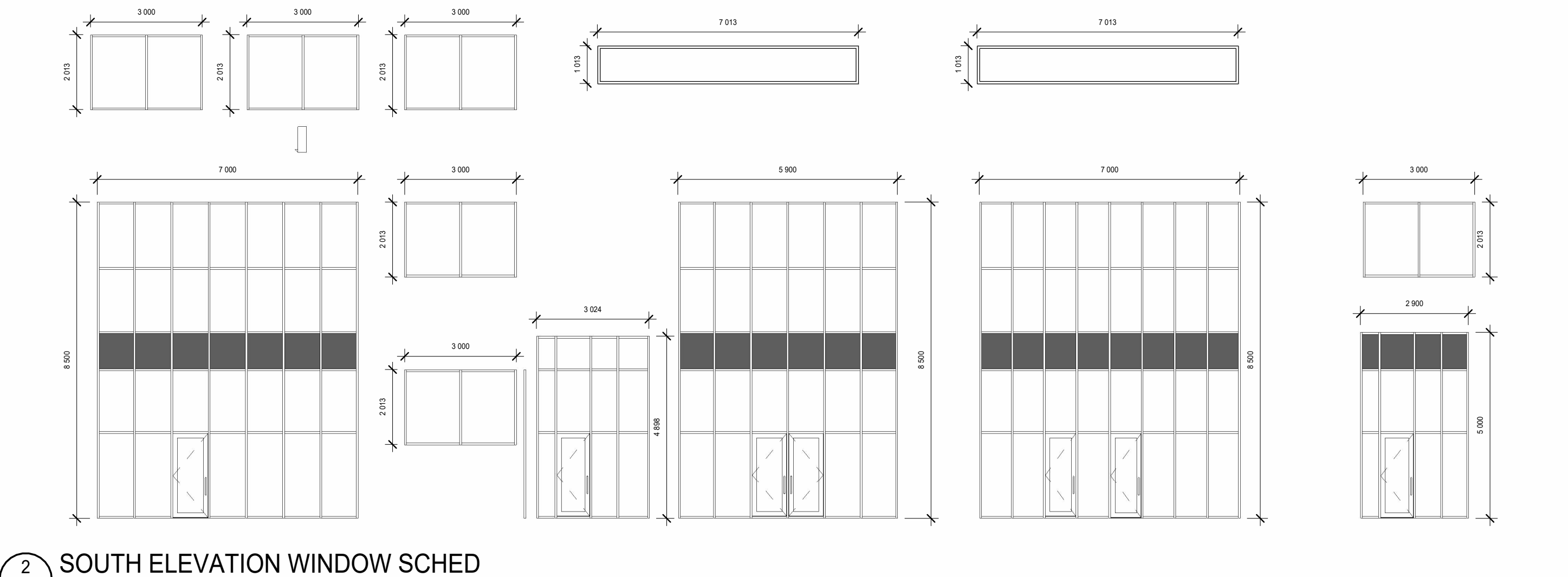
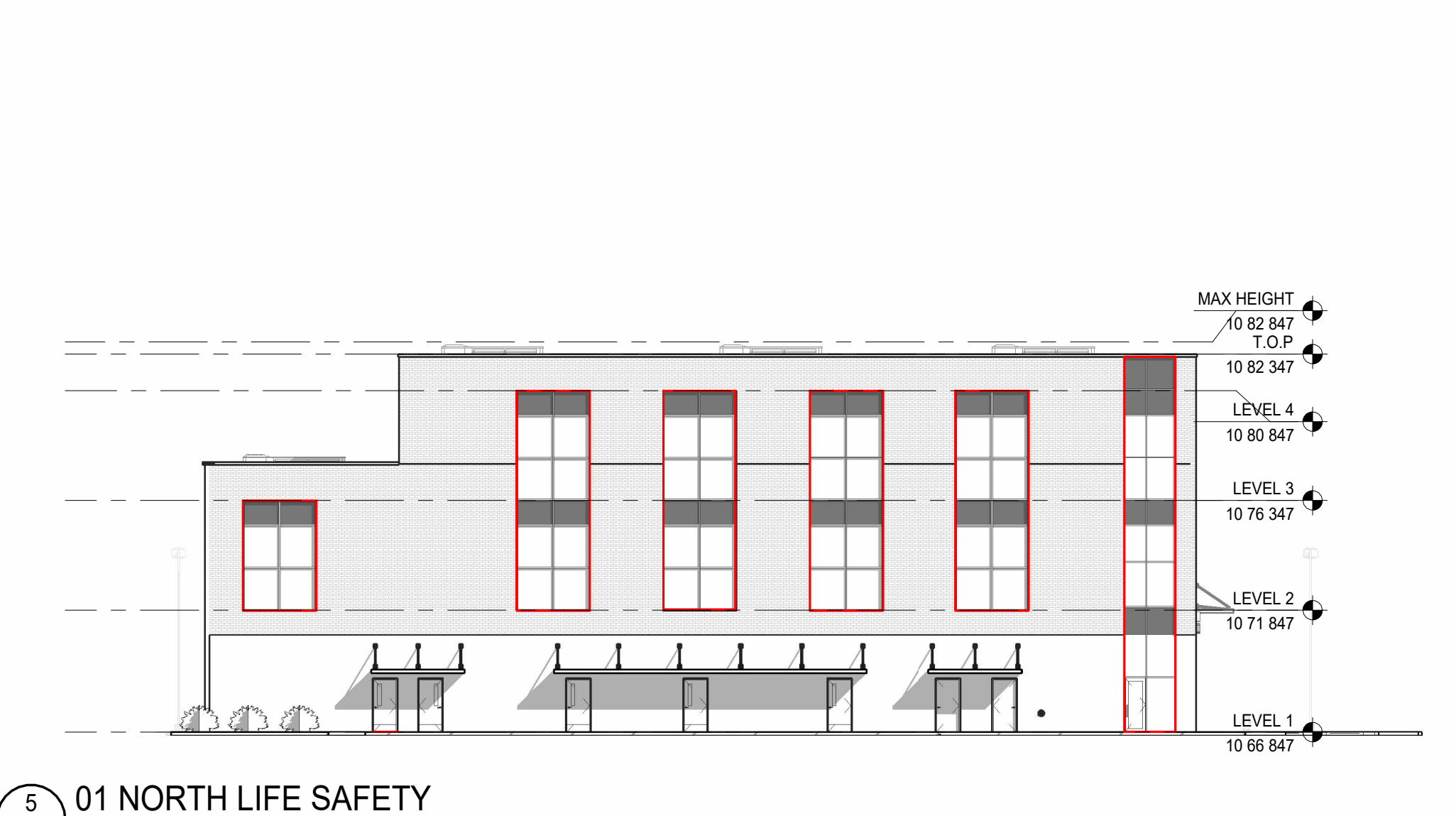
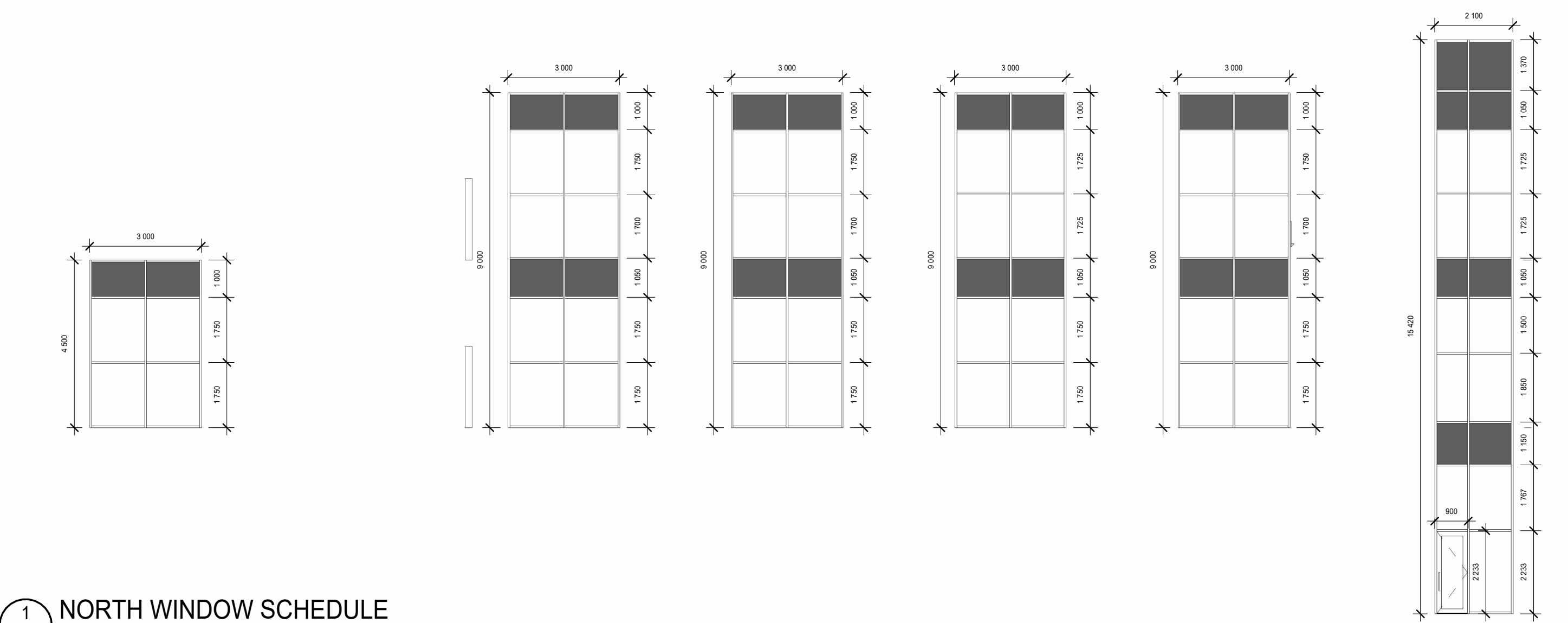
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PROJECT NO.: #####

SHEET
WINDOW SCHEDULE

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SHEET NO.

A005



BUILDING ELEVATION	SOUTH	WEST	NORTH	EAST	CODE REF	TOTAL
AREA EXPOSED BUILDING FACE	621.04	258.77	621.04	258.77		1759.62
AREA OF UNPROTECTED OPENING	248.66	127.97	153.88	0		
LIMITING DISTANCE	15M	13M	17M	1.2M		530.51
PERMITTED % UNPROTECTED OPENINGS	100%	80%	100%	8%	TABLE 3.2.3.1.D	
ACTUAL % OF UNPROTECTED OPENINGS	40%	49%	25%	0%		

NATIONAL ENERGY CODE
STANDARD
33%
TOTAL GLAZING
30%

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PROJECT INFORMATION: CONSTRUCTION DEVELOPMENT

GENERAL

PROJECT TITLE: - SEMESTER 3 COMMERCIAL BUILDING

LEGAL DESCRIPTION
LOT: 1-2-3
BLOCK: 5
PLAN: 8910679

MUNICIPAL ADDRESS: 6336 BOWNESS RD NW
CALGARY, AB
Canada

LAND USE: MU-2 F2 5H16 ACTIVE FRONTAGE

PARCEL AREA: 1494.50 sqm
FLOOR AREA RATIO (PERMITTED): 2.5
MAXIMUM GROSS FLOOR AREA (PERMITTED): 3736.25 sqm
MAXIMUM BUILDING HEIGHT: -16.0 m

USE(S) (PROPOSED): RETAIL AND CONSUMER SERVICES
OFFICE

BUILDING AREA DETAILS

LEVEL 01
FLOOR AREA BREAKDOWN
GROSS FLOOR AREA: 648.54 sqm
GROSS USABLE FLOOR AREA: 551.25 sqm

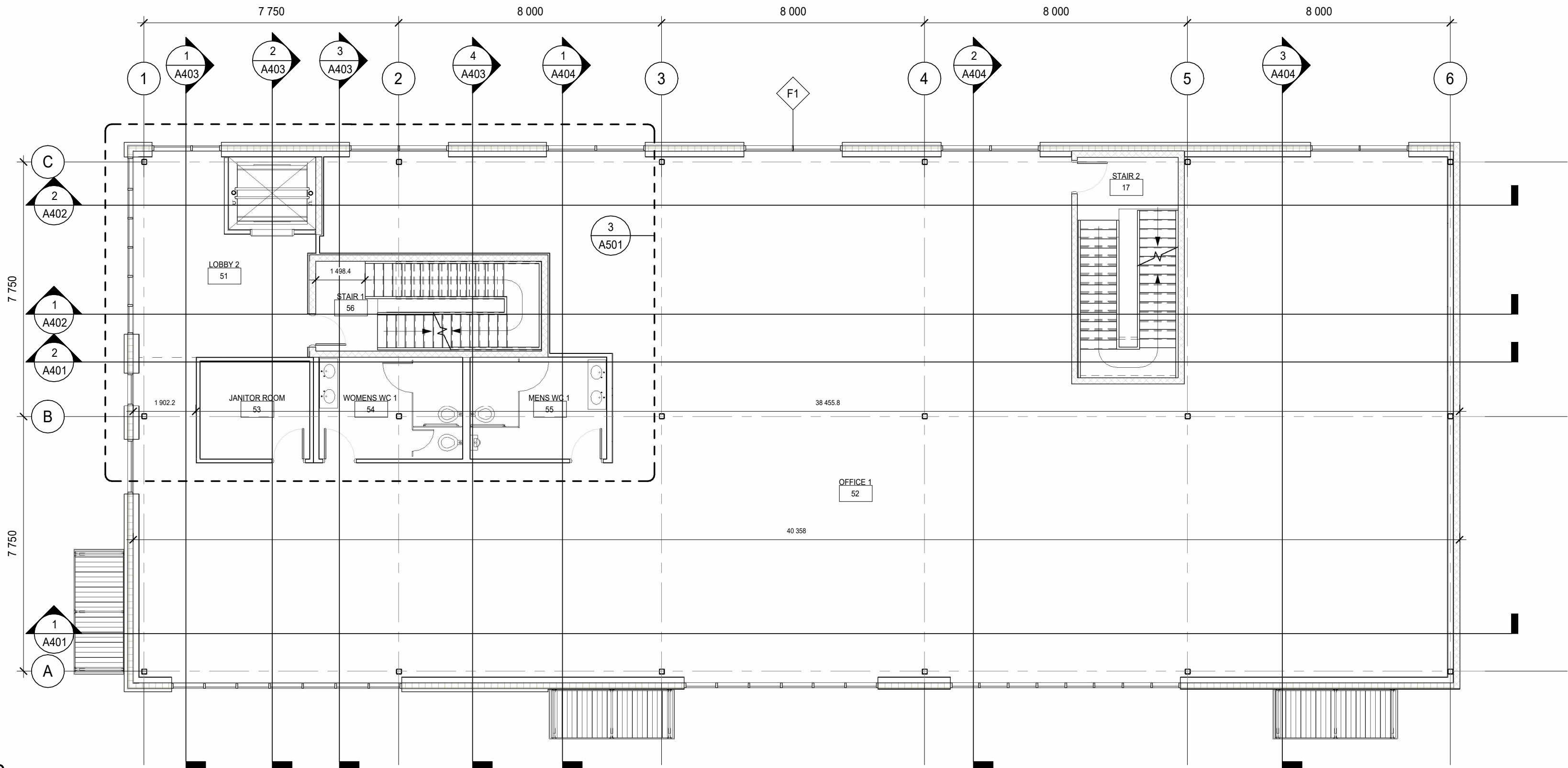
USE AREA BREAKDOWN
RETAIL SPACE 1 58.08 sqm
RETAIL SPACE 2 89.82 sqm
RETAIL SPACE 3 123.55 sqm
RETAIL SPACE 4 98.61 sqm
RETAIL SPACE 5 126.66 sqm
496.72 sqm

LEVEL 02
FLOOR AREA BREAKDOWN
GROSS FLOOR AREA: 648.54 sqm
GROSS USABLE FLOOR AREA: 551.26 sqm

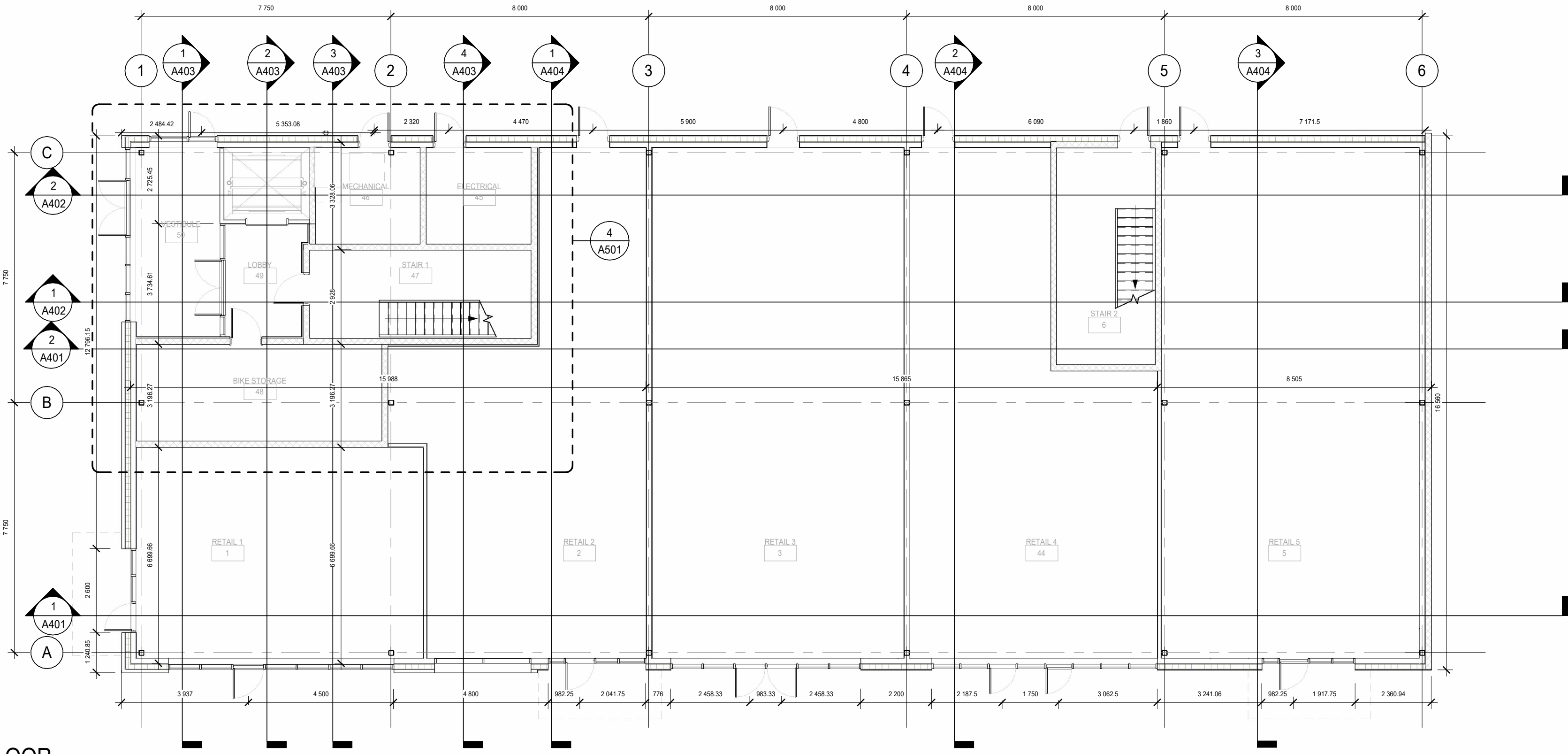
USE AREA BREAKDOWN
OFFICE(GROSS USABLE FLOOR SPACE) 508.82 sqm

LEVEL 3
FLOOR AREA BREAKDOWN
GROSS FLOOR AREA: 519.32 sqm
GROSS USABLE FLOOR AREA: 441.42 sqm

USE AREA BREAKDOWN
OFFICE (GROSS USABLE FLOOR AREA): 400.25 sqm



2 LEVEL 2
A201 SCALE: 1 : 100



1 MAIN FLOOR
A201 SCALE: 1 : 100



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KEYPLAN

SHEET

LEVEL 1

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SHEET NO.

A201

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OFFICE

BUILDING AREA DETAILS

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GROSS FLOOR AREA: 648.54 sqm
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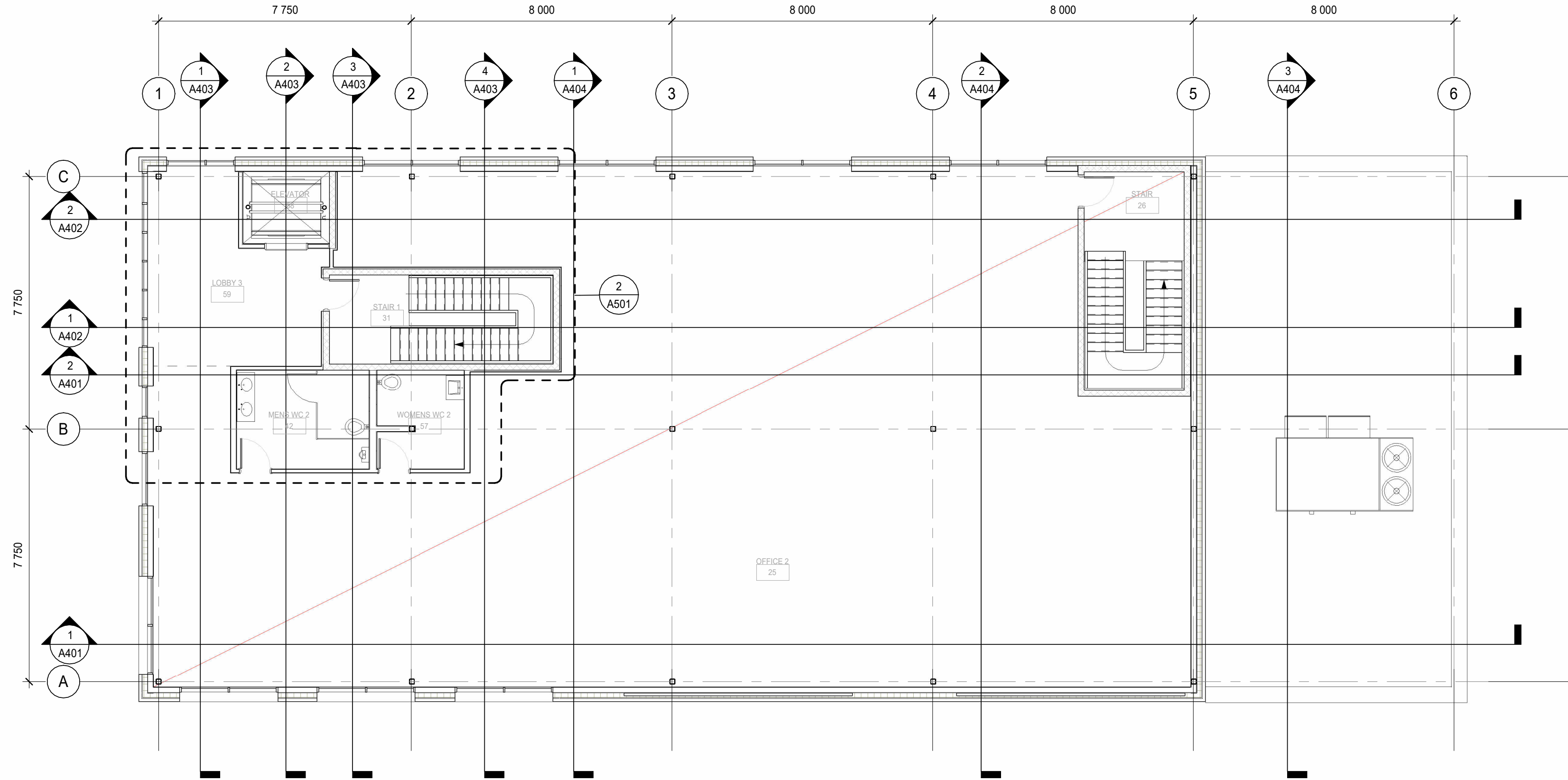
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RETAIL SPACE 1 58.08 sqm
RETAIL SPACE 2 89.82 sqm
RETAIL SPACE 3 123.55 sqm
RETAIL SPACE 4 98.61 sqm
RETAIL SPACE 5 126.66 sqm
496.72 sqm

LEVEL 02
FLOOR AREA BREAKDOWN
GROSS FLOOR AREA: 648.54 sqm
GROSS USABLE FLOOR AREA: 551.26 sqm

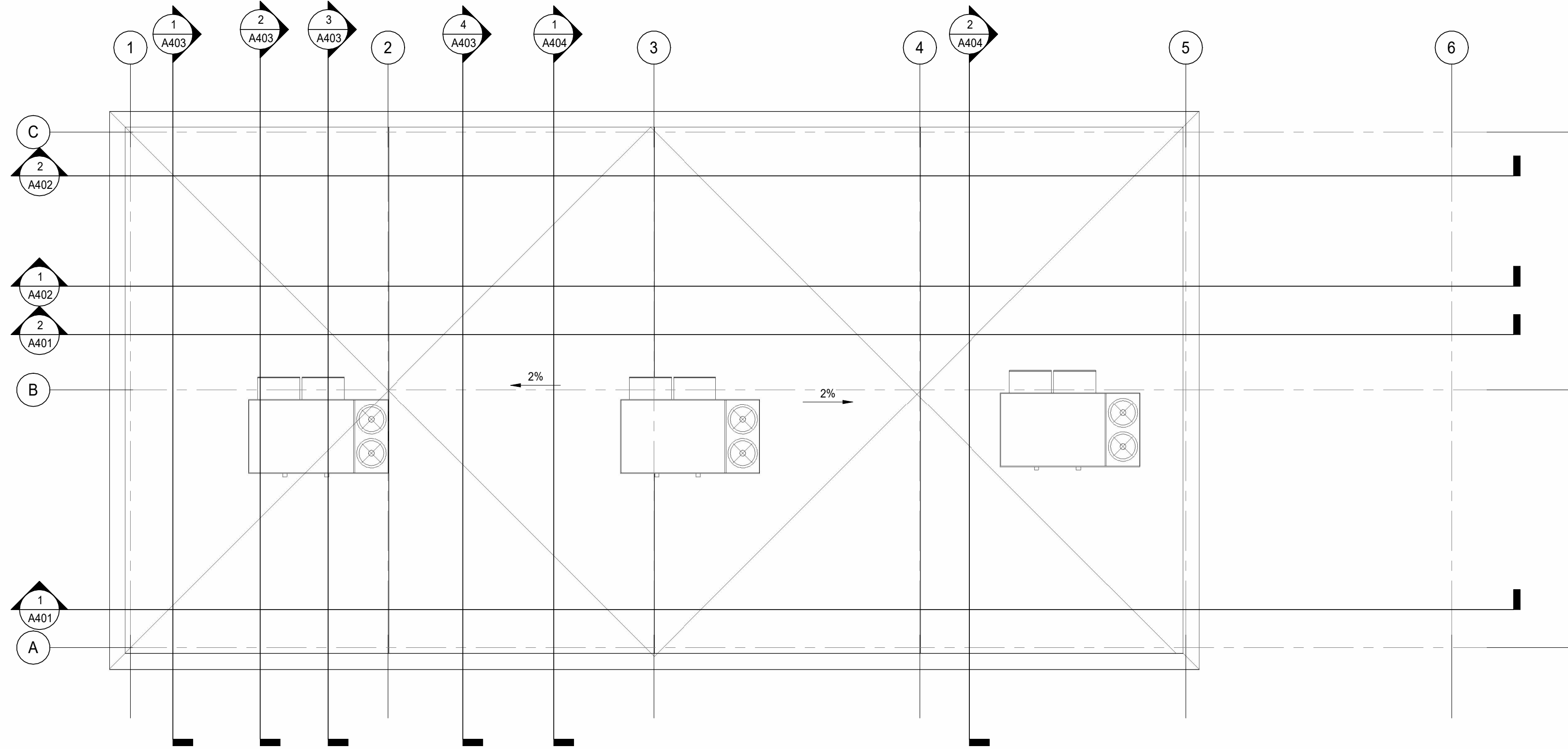
USE AREA BREAKDOWN
OFFICE(GROSS USABLE FLOOR SPACE) 508.82 sqm

LEVEL 3
FLOOR AREA BREAKDOWN
GROSS FLOOR AREA: 519.32 sqm
GROSS USABLE FLOOR AREA: 441.42 sqm

USE AREA BREAKDOWN
OFFICE (GROSS USABLE FLOOR AREA): 400.25 sqm



1 LEVEL 3
A202 SCALE: 1 : 100



2 ROOF PLAN
A202 SCALE: 1 : 100



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KEYPLAN

SHEET

LEVEL 3

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SHEET NO.

A202

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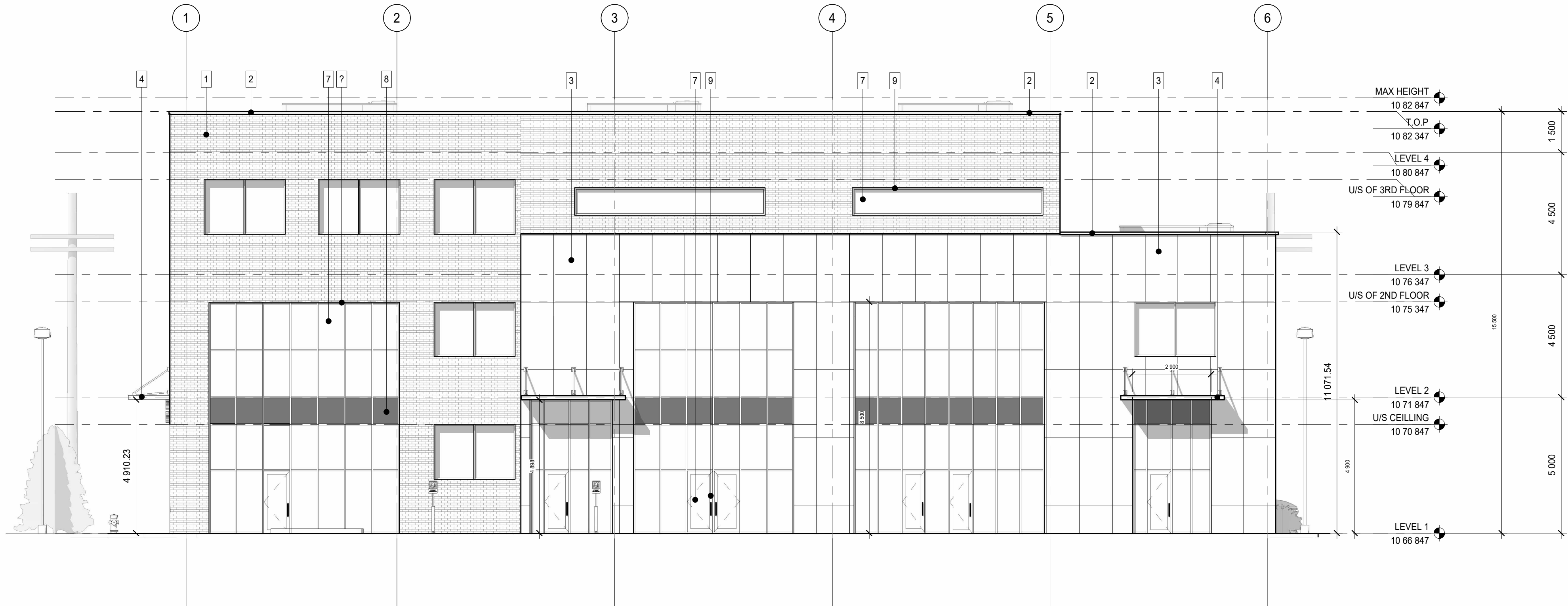
PROJECT NO.: #### ##

KEYPLAN

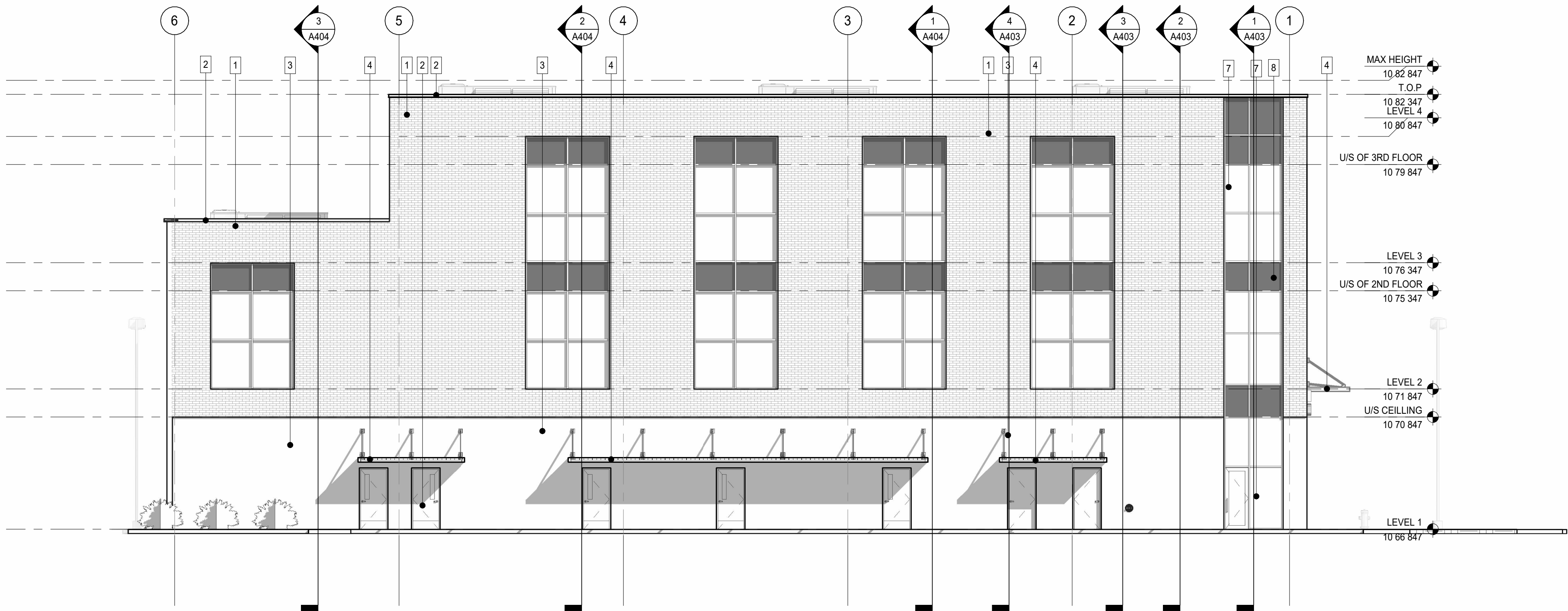
SHEET
ELEVATION

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SHEET NO.

A301



1 01 SOUTH ELEVATION CD
A301 SCALE: 1 : 100



2 01 NORTH ELEVATION CD
A301 SCALE: 1 : 100

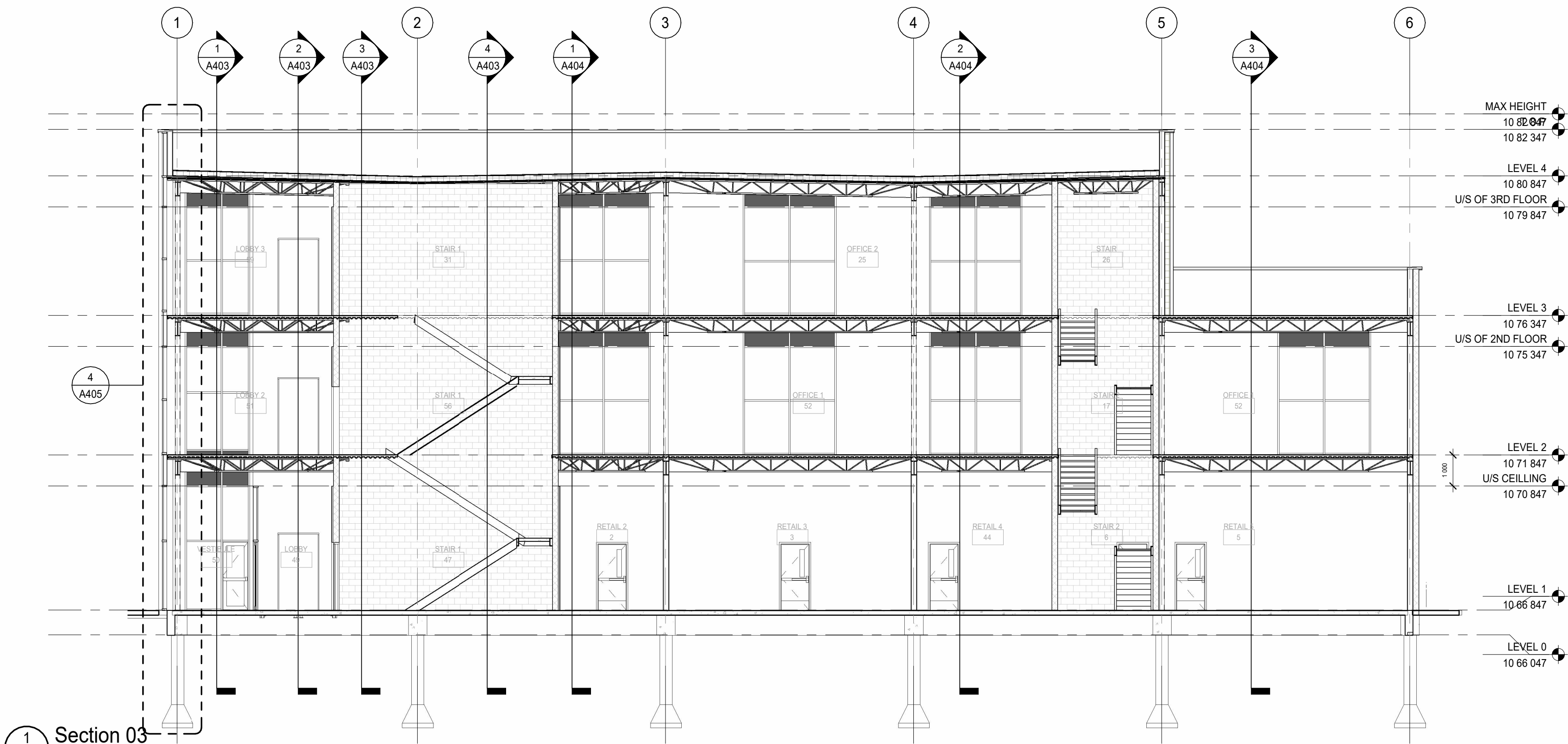
BUILDING ELEVATION	SOUTH	WEST	NORTH	EAST
AREA EXPOSED BUILDING FACE	621.04	258.77	621.04	258.77
AREA OF UNPROTECTED OPENING	248.66	127.97	153.88	0
LIMITING DISTANCE	15M	13M	17M	12M
PERMITTED % UNPROTECTED OPENINGS	100%	80%	100%	8%
ACTUAL % OF UNPROTECTED OPENINGS	40%	49%	25%	0%

TOTAL
1759.62
530.61

NATIONAL ENERGY CODE
STANDARD
33%
TOTAL GLAZING
30%

MATERIAL LIST	
MATERIAL TAG	MATERIAL
1	BRICK VENEER PAINTED BLACK
2	PARAPET CAP METAL PAINTED GREY
3	METAL PANEL CLADDING GREY
4	METAL AWNING COLOUR AUTUMN BROWN
5	CMU WALL GREY
6	CMU WALL PARAPET CAP METAL PAINTED GREY
7	GLASS CLEAR INSULATED GLAZING, LOW E
8	SPANDREL BACK PAINTED GLASS BLACK

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NO.	DESCRIPTION	DATE

CLIENT

Client Name

PROJECT

BOWNESS COMMERCIAL
BUILDING

6336 BOWNESS RD NW
Calgary, Alberta

PROJECT NO.: #### ##

KEYPLAN

SHEET

SECTIONS 3-4

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SHEET NO.

A402

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BUILDING

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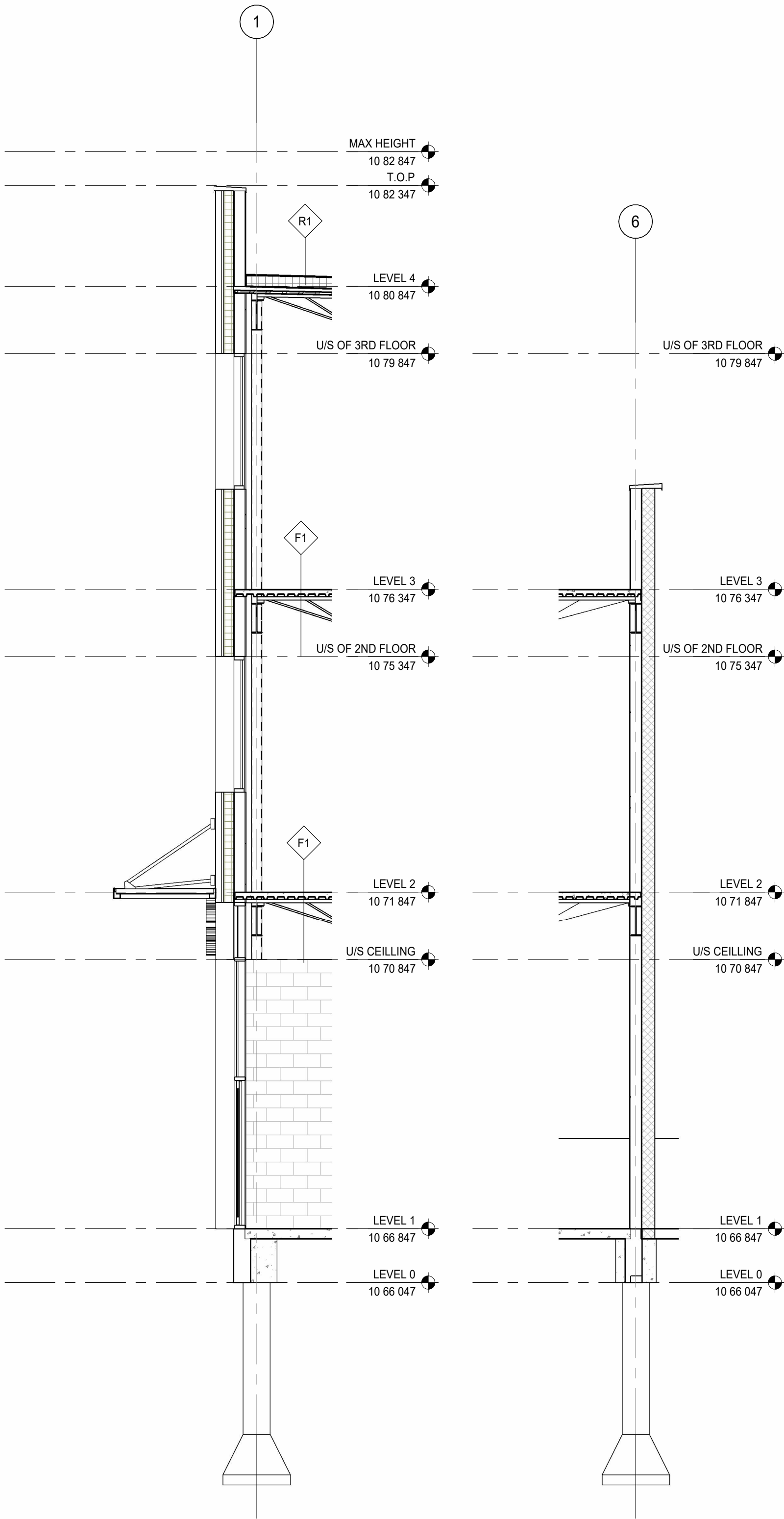
PROJECT NO.: #### ##

KEYPLAN

SHEET
WALL SECTIONS1-2-3

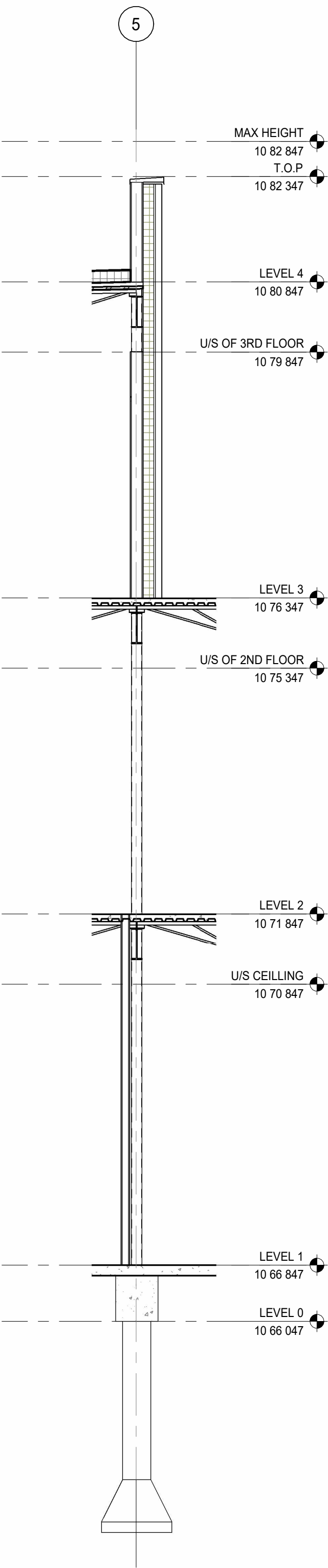
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SHEET NO.

A405

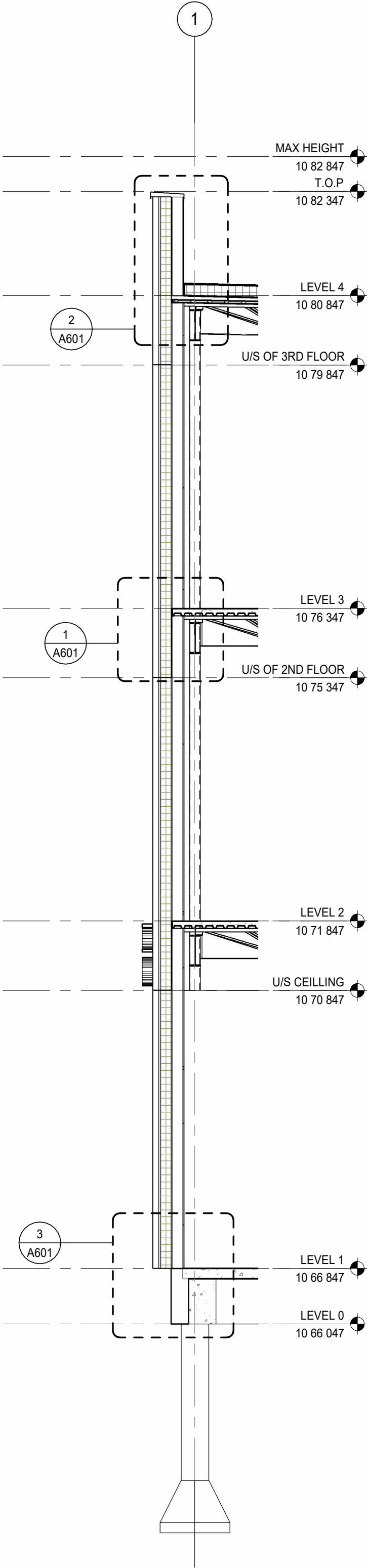


1 Section 01 - WALL SECTION 1
SCALE: 1 : 50

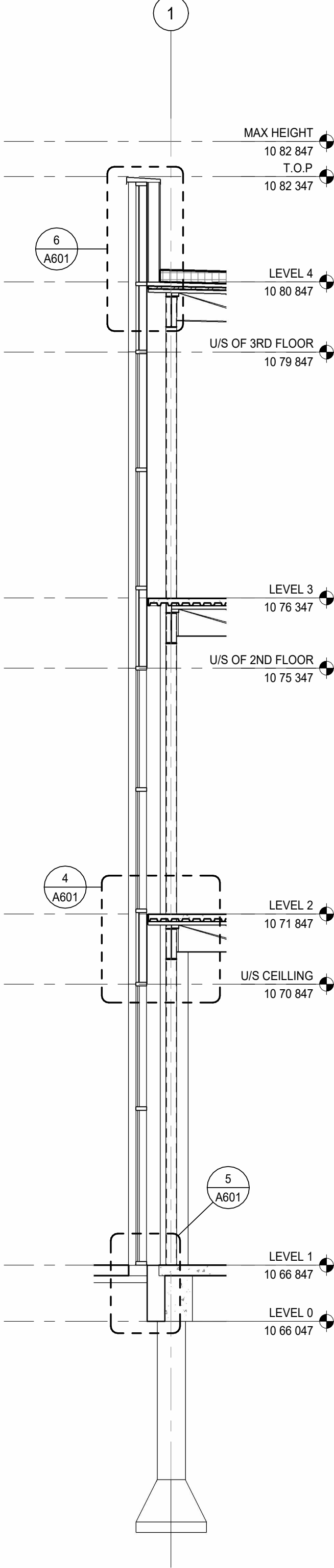
2 Section 01 - WALL SECTION 2
SCALE: 1 : 50



5 Section 01 -WALL SECTION 3
SCALE: 1 : 50

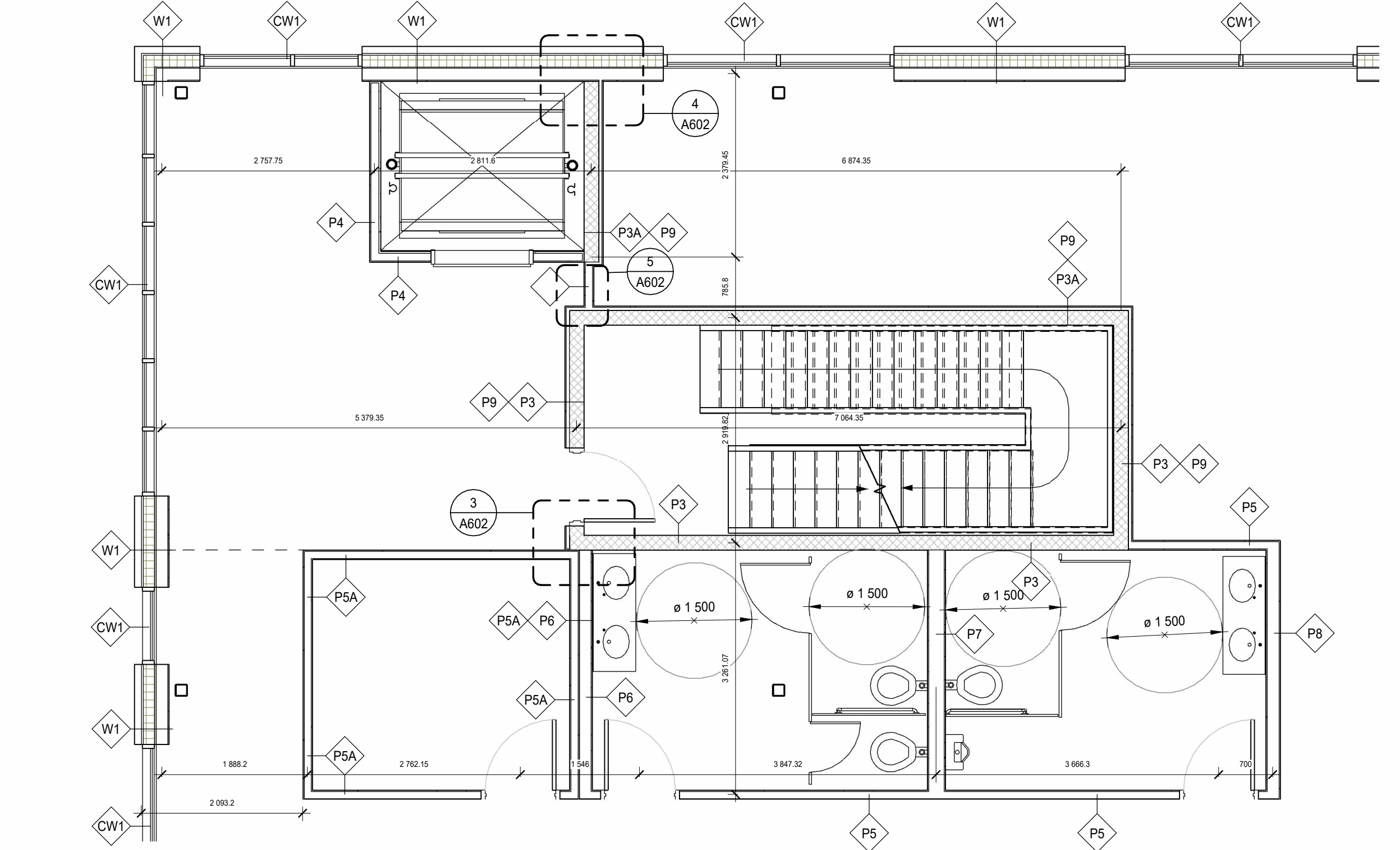


3 Section 02 - Callout 1
SCALE: 1 : 50

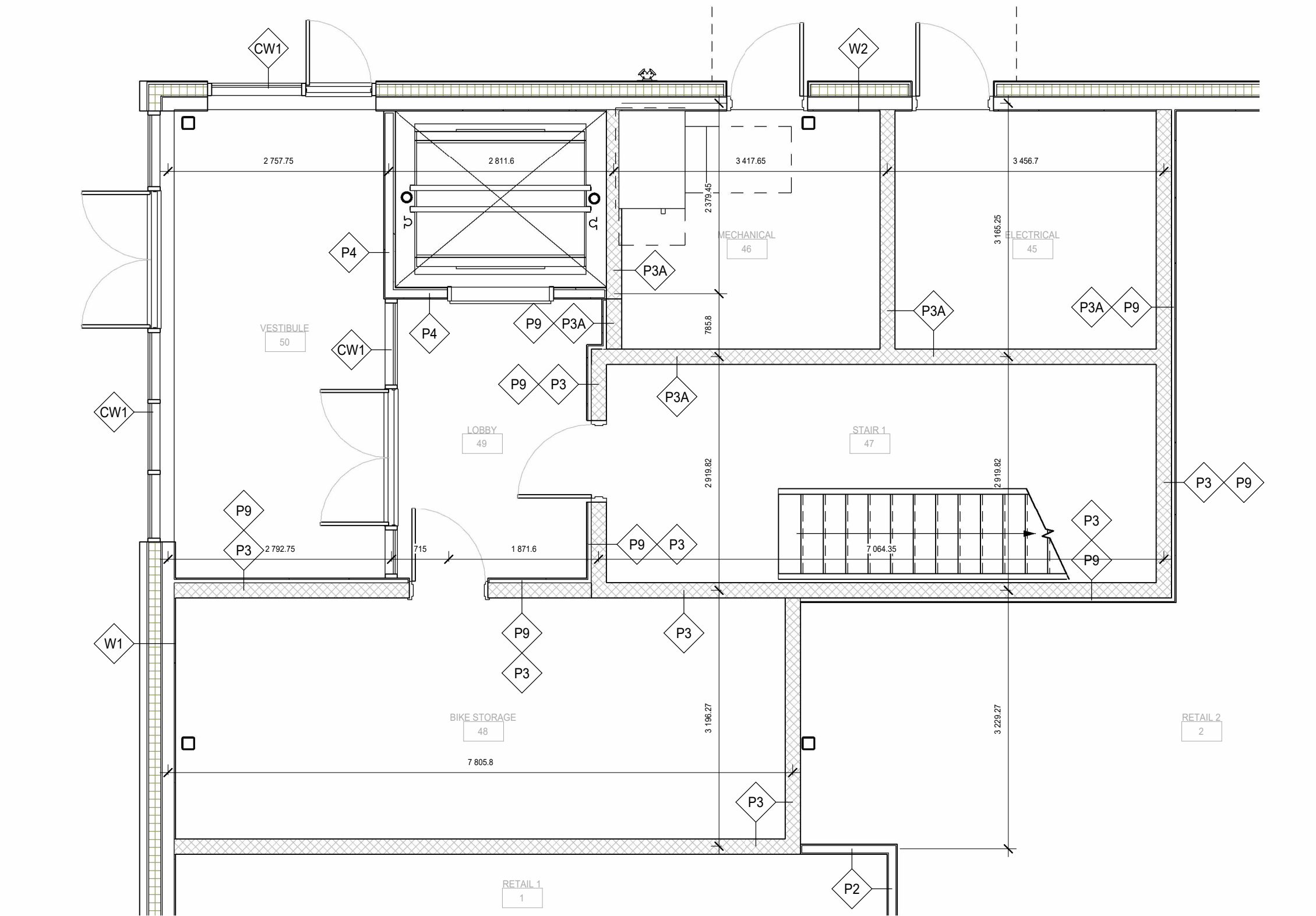


4 Section 03 - Callout 1
SCALE: 1 : 50

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3 LEVEL 2 - Callout 1
SCALE: 1 : 50



4 MAIN FLOOR - Callout 1
SCALE: 1 : 50

DEFINITIONS

BARRIER-FREE: A BUILDING AND ITS FACILITIES CAN BE APPROACHED, ENTERED, AND USED BY PERSONS WITH PHYSICAL, COGNITIVE OR SENSORY DISABILITIES

OCCUPANT LOAD: THE NUMBER OF PERSONS FOR WHICH A BUILDING OR PART THEREOF IS DESIGNED

Occupant Load 3.1.17.1 Buisness and personal services -Group D: Offices- Area Per Person in m2 -9.30
Mercantiles Uses-Group E: Other Storeys - Area per person in m2 -5.60

Water Closets 3.7.2.2 (1) Except as permitted by Sentence (4), water closets shall be provided for each sex assuming that the occupant load is equally divided between males and females, unless the proportion of each sex expected in the building can be determined with reasonable accuracy. (See Note A-3.7.2.2.1(1).)
3.7.2.2(4) Both sexes are permitted to be served by a single water closet if the occupant load in an occupancy referred to in Sentence (6), (10), (12), (13), (14) or (16) is not more than 10.
3.7.2.2(5) Urinals are permitted to be substituted for two thirds of the number of water closets required by this Article for males, except that if only 2 water closets are required for males, one urinal is permitted to be substituted for one of the water closets.
3.7.2.2-B Table Number of Persons:26-50 Minimum number of water closets for each person: 2

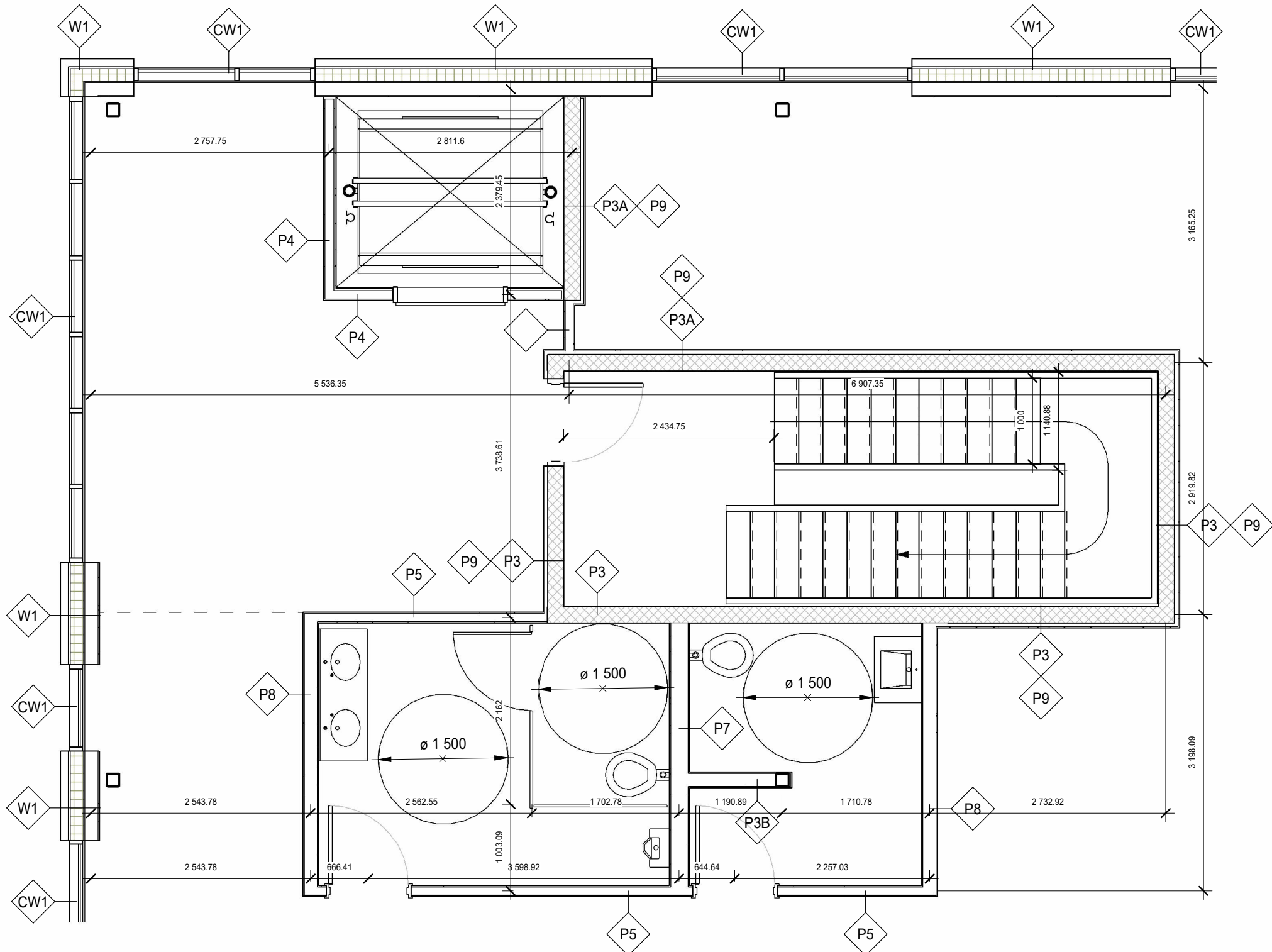
3.7.2.2 (17) If a room contains a) not more than 1 water closet, the doorway to the room shall be provided with a full-height door that is capable of being locked from the inside, or b) no fewer than 2 water closets or at least 1 water closet and 1 urinal, the room shall be designed so that water closets and urinals are not visible from the entrance to the room

3.7.2.2(18) Except for facilities provided in accordance with Section 3.8., every stall containing a water closet shall be not less than 1 400 mm deep and 800 mm wide.

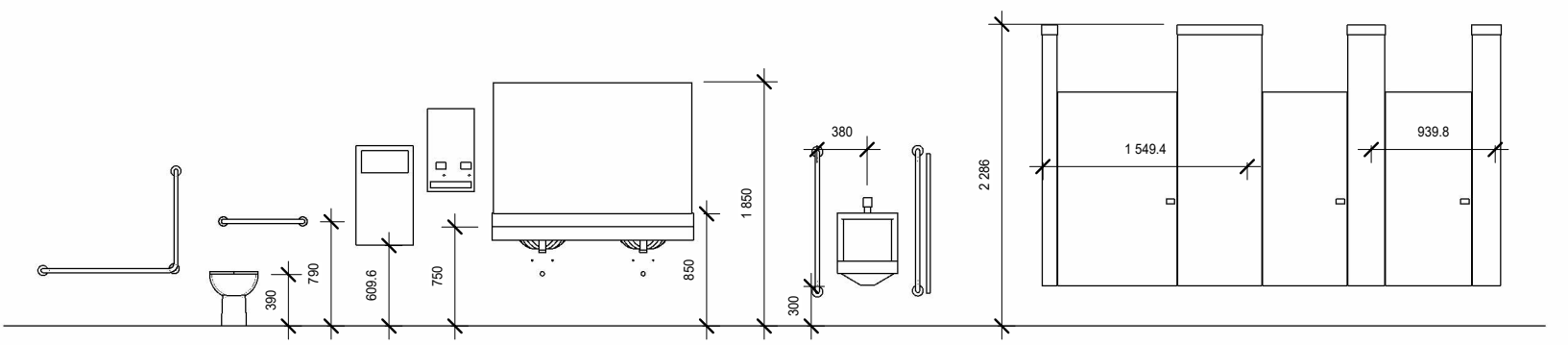
3.7.2.2(20) In other than suites of residential occupancy, a room in which a water closet or urinal is installed shall be mechanically ventilated to the exterior of the building.

Number of Persons level 2:54/2= 27 males and 27 females
Minimum number of water closets for each person: 2
Number of persons for level 3: 43/2=21.5 =22 females and 22 males Number of water closets for each person : 1

Level 2 Occupant Load: 501.2/9.30=53.8924731
= 54 people
Level 3 Occupant load: 391.9/9.30=42.1397849
=43 people



2 LEVEL 3 - Callout 1
SCALE: 1 : 50



1 1 - a
SCALE: 1 : 50



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Client Name

PROJECT

BOWNESS COMMERCIAL
BUILDING

6336 BOWNESS RD NW
Calgary, Alberta

PROJECT NO.: ####

KEYPLAN

SHEET

ENLARGED FLOOR
PLANS

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SHEET NO.

A501

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BOWNESS COMMERCIAL BUILDING

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KEYPLAN

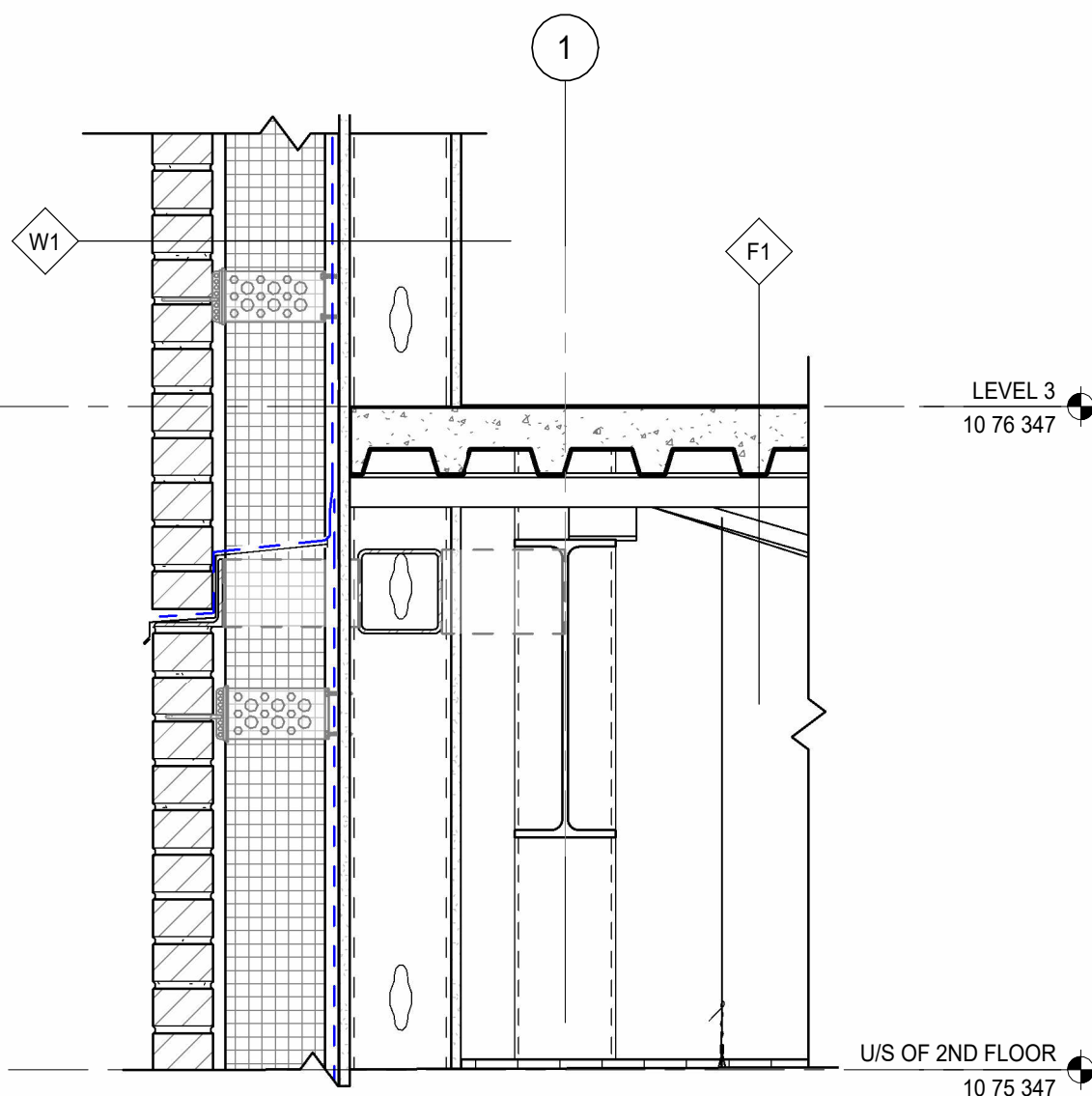
SHEET

WALL SECTION 1
DETAILS

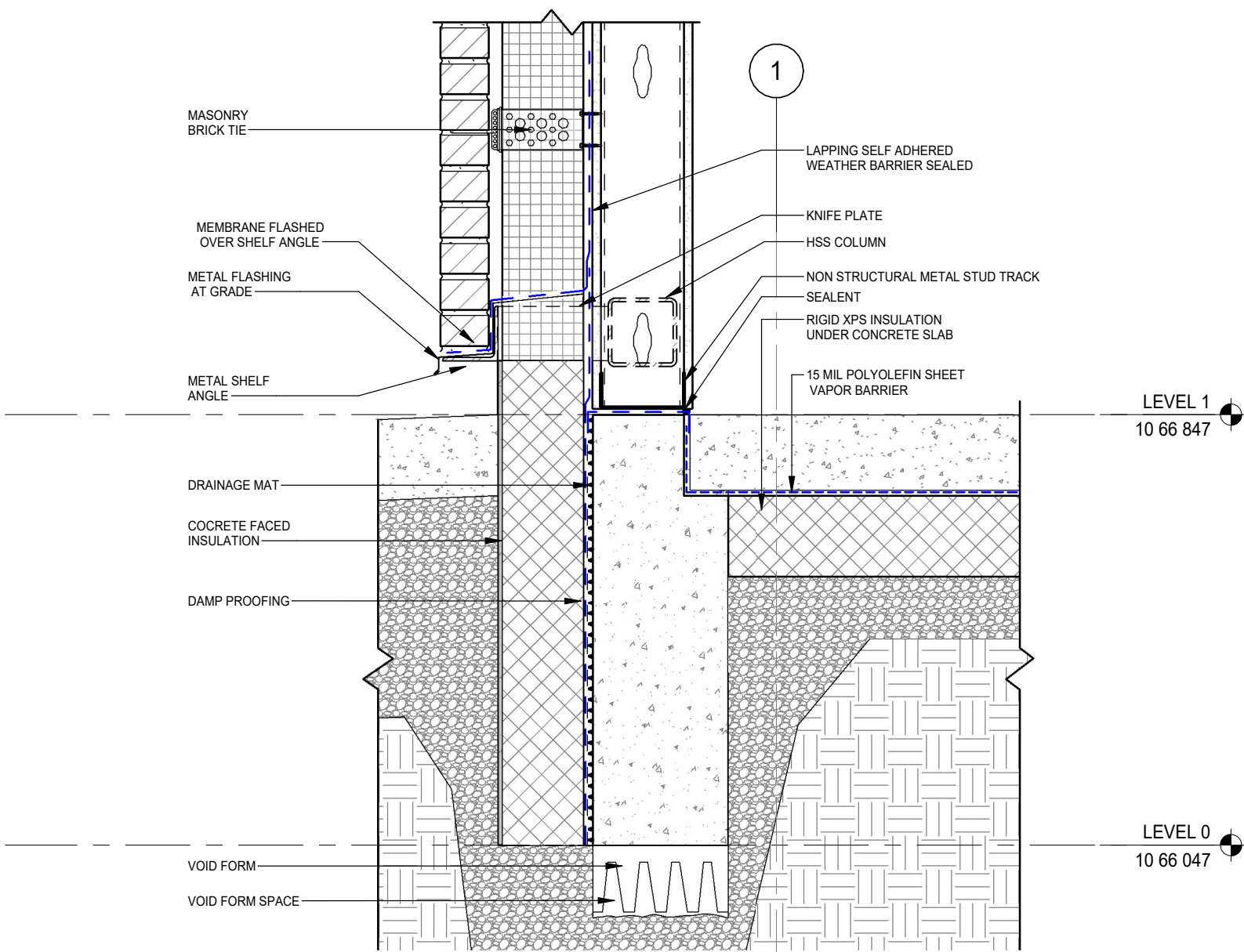
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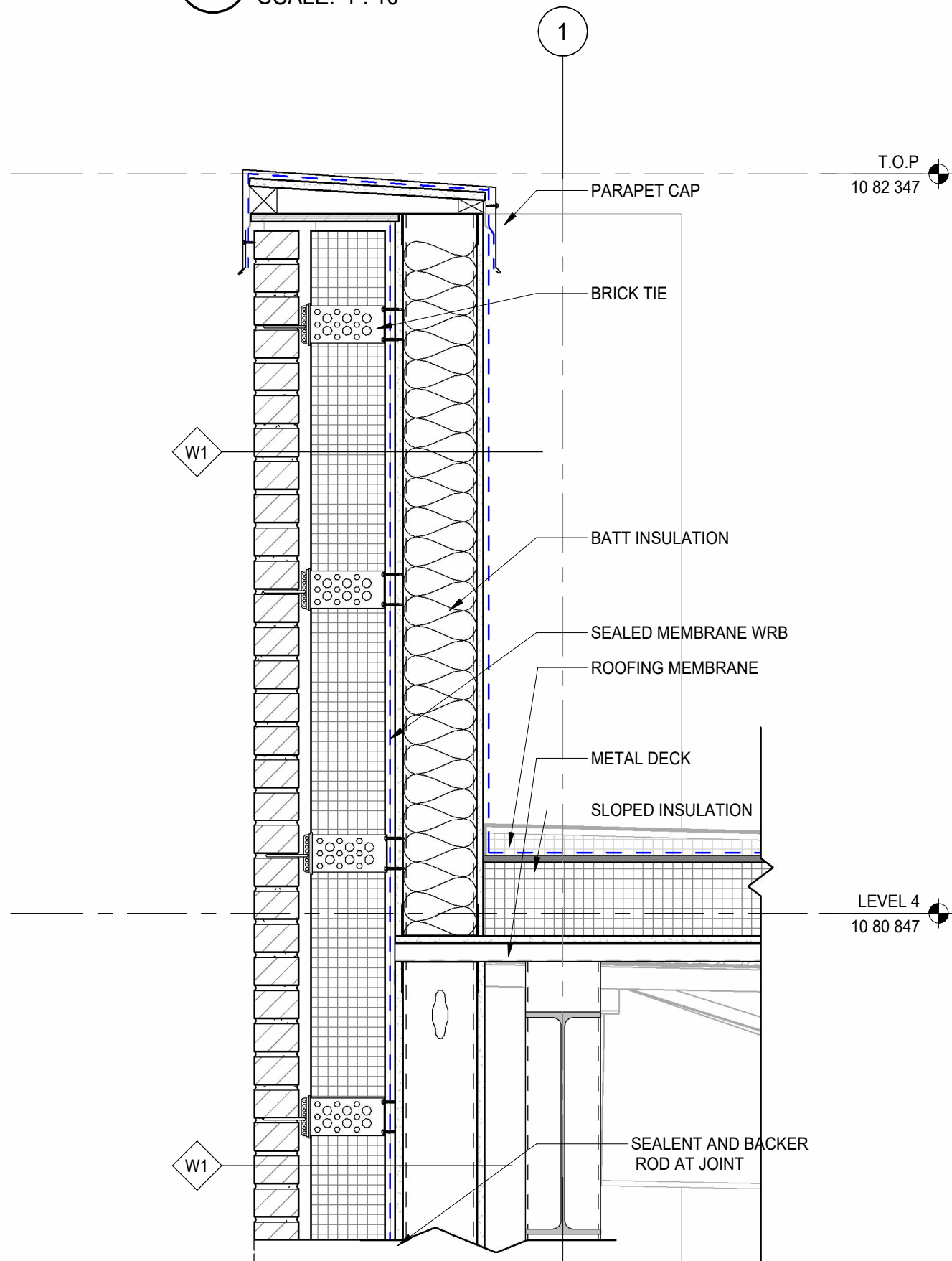
A601



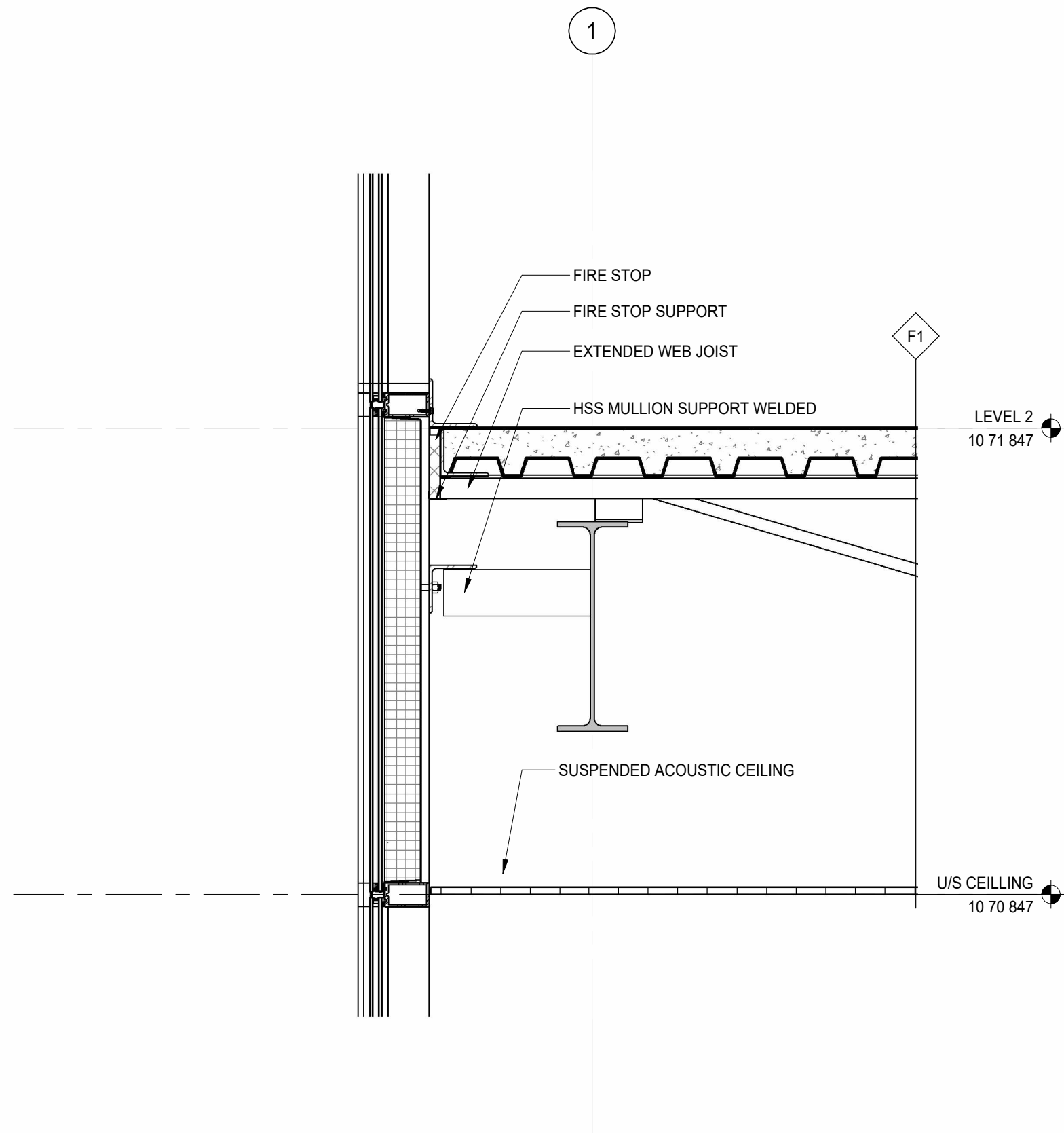
1 BRICK DETAIL AT LEVEL
A601 SCALE: 1 : 10



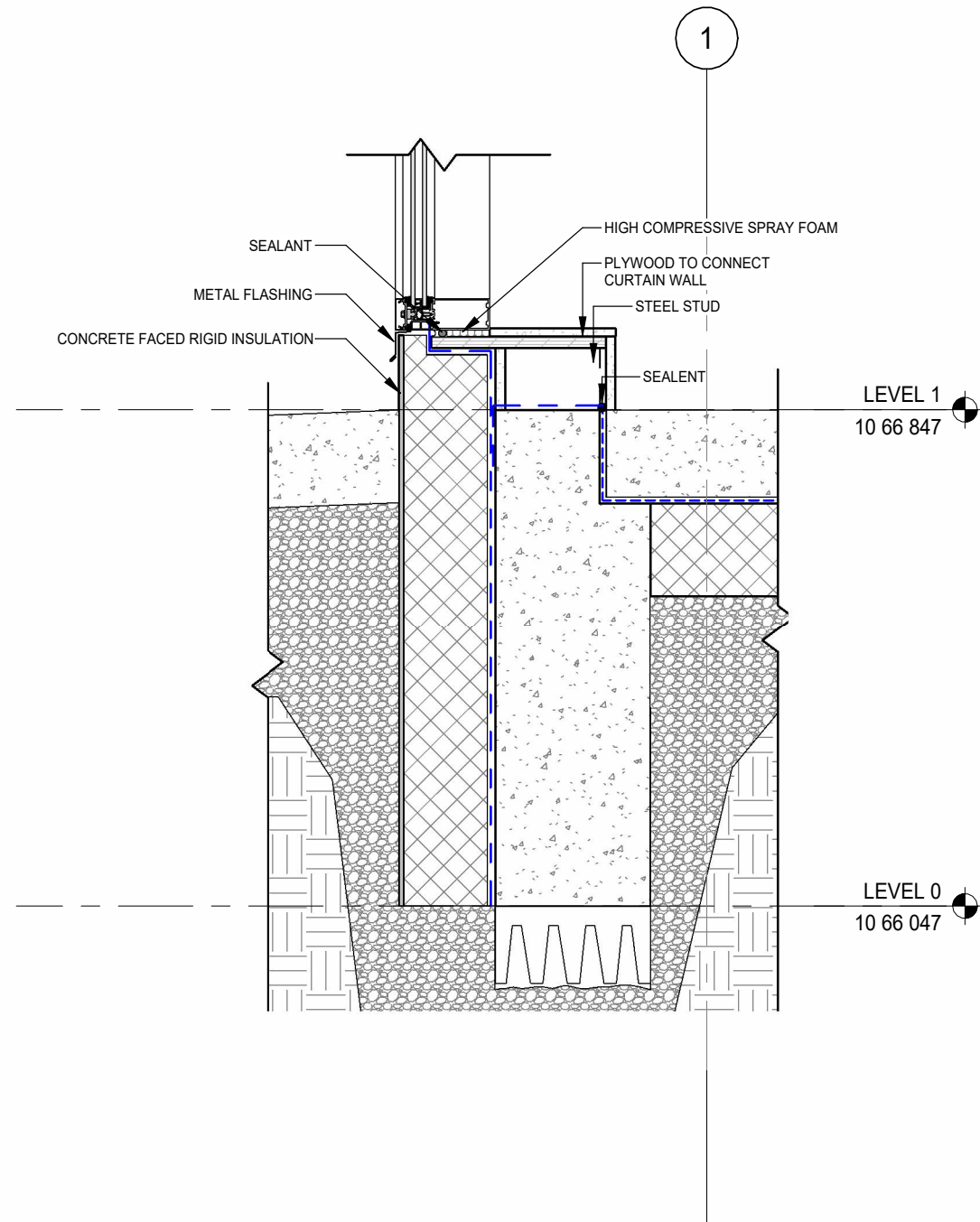
3 BRICK DETAIL AT GRADE
A601 SCALE: 1 : 10



2 BRICK DETAIL AT PARAPET
A601 SCALE: 1 : 10



4 CURTAIN WALL DETAIL AT LEVEL
A601 SCALE: 1 : 10



5 CURTAIN WALL AT GRADE
A601 SCALE: 1 : 10