PROJECT TITLE: SHARED GOVERNMENT SERVICES EMERGENCY MANAGEMENT AND VEHICLE REPAIR FACILITY

PROJECT LOCATION: TOWN OF PETAWAWA, ONTARIO

PROJECT NUMBER: WDIV-W24-01_1.2

3.03	Superimposed Major Occupancies:	X No □ Yes Description:					3.2.2.7.
2.02	Supplier		- Sande A			2	2227
3.02	Classification:		Group F2 Group D			4	
3.02	Major Occupancy	Description:	Use			-	3.1.2.
3.01	Project Type:	New Construction Change of use		[A] 1.1.2.2.			
3.00	Building Code Version:	O. Reg. 332/12	_ Last Amendmen	t	O. Reg. 8	9/23	
Jamie (Cheung 040864137	Ontario Buil	lding Code Data Mat Part 3	rix			Building Code Reference
Name							
Date:	ander menerational action. S Securi						
Locati	on: of Petawawa, Ontario						
Shared	of Project: I Government Services e Repair Facility	Emergency Managem	ent and				
ARC8- Winter	404C - Working Drawi 2024	ngs IV					
arrann	of Practice: quin College of Constr ectural Technician Prog	oction Excellence					

Outario Building Code Data Matrix, Part 3 © Outario Association of Architects	December 2023	

3.19	Barrier-free Design: Barrier-free	⊠ Yes □ No Number	10 miles	anation	9			7/2	3.8.
3.21	Entrances: Required Fire Resistance Ratings	Horizontal Asser		Ratir (H)	ng Si	upporting		bustible frating?	3.2.2.20 - 83.,
	Resistance Ratings			(1)	^	ssembly (n)	in lied of	raung?	3.2.1.2, 3.2.1.4. 3.2.2.15.
		Storeys below g	rade		_0 _	0	□ No S-N/A	☐ Yes	
		Floors over base	ment	ee: 		0	□ No □XN/A	☐ Yes	
		Floors				0	— ⊠'N/A		
		Mezzanine				0	L BETWA	8	
		Roof			<u> </u>	0	□ No □ N/A	区Yes \	
				2					
					0				
3.22a	Spatial Separation	Exposing EBF Building Area Face (m²)	i -	(m).	L/H or <u>H/L</u>	Required ERR (H)	% Unprotected Openings Permitted	% Unprotected Openings Provided	3.2.3.
		422	0_	0	0_	_0			
		492	0	0	0_	0		2 2	
	Insert additional lines as	<u> </u>	0	0	0_		<u> </u>		
	needed	<u> </u>	0	0	0			<u> </u>	
						<u>.</u>			
3.22b	Spatial Separation Continued	EBF (repeated)	(Constructio	n Type	Cladding	туре	
	Continued			-8 8			□ None	combustible	
		6		-1 6 /8			□ None	combustible	
	Insert additional lines as	-		-1 8 8			□ None	combustible	
	needed			-1 6 /8			□ None	combustible	

3.07	Building Height		[A] 1.4.1.2.8 3.2.1.1.
3.08	High Building	≾No □ Yes	3.2.6.
3.09	Number of Streets/ Firefighter access	2 street(s)	3.2.2.10. & 3.2.5
3.10	Building Classification: (Size & Construction Relative to Occupancy)	3.2.2. Group/Div OBC 3.2.2.58 Group D & OBC 3.2.2.72 Group F2	3.2.2.20 - 63.
3.11	Sprinkler System	⊠.Required □ Not Required Provided: □ centire building □ selected compartments □ selected floor areas □ basement □ in lieu of roof rating □ Description: □ Description: □ Description: □ Description: □ Description	3.2.1.5. & 3.2.2.17., 3.2.2.18., 3.2.4.8 to 3.2.4.10., and 3.2.5.13
3.12	Standpipe System	□ Not required 'হ'Required	3.2.9.
3.13	Fire Alarm System		3.2.4.
3.14	Water Service / Supply is Adequate	□ No Xyes	3.2.5.7.
3.15	Construction Type:	Restriction:	3.2.2.20 63. &
3.18	Occupant Load Insert additional lines as needed	Floor Level/Area Occupancy Type Based On Occupant Load Limit (Persons) Strong D 1st Floor 0 0 0 0	3.1.17. and 3.1.17.1.(2)

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Outario Building Code Data Matrix, Part 3 © Outario Association of Architects

3.23a	Plumbing Fixture	Ratio: Male:Fe	male = 50:50 Ex	cept as noted otherwise	e	-	3.7.4., 3.8.2.3.
	Requirements*	Floor Level/Area	Occupant Load	OBC Reference	WCs Required	WCs Provided	
		1st Floor	0	-	3		2
		2nd Floor	0	· · · · · · · · · · · · · · · · · · ·			3
		-	Sa	3 2	3	;	3
	Insert additional lines as needed		0	3	1920	-	
	neeses		0	5	0		0
					0		0
		60					2
3.23b	Plumbing Fixture Requirements	Floor Level/Area (repeated)	Barrier-free WCs	Provided Wa	shrooms	<u>Universal</u> Washrooms	Tables 3.8.2,3.A
	continued:		Required	0 Re	quired	Provided	and 3.8.2.3.B
			0_		0	0	
		ē	0	0	0		
	Insert edditional lines as	6	0			0	
	meeded	6 -	0	0	0		
						U	
						0	
					0		
3.24	Energy Efficiency:	Compliance Path:			0		12.2.1.2
3.24	Energy Efficiency:	- 1000 Y - 100 L 200 A 200 A 100	8		0		12212
3.24	Energy Efficiency:	Climate Zone:	19 <u> </u>		0		
		Climate Zone: Degree Days Below 1	8 C:				SB-1 Table 2
	Sound Transmission	Climate Zone:	8 C:				5B-1 Table 2 5B-3, 5.8.1.2.(2), 5.8.1.4., &
	Sound	Climate Zone: Degree Days Below 1: Is there more than 1 d	8 C:				5B-1 Table 2 5B-3, 5.8.1.2.(2)
20000	Sound Transmission	Climate Zone: Degree Days Below 1: Is there more than 1 d Option Implemented:	8 C:				5B-1 Table 2 5B-3, 5.8.1.2.(2), 5.8.1.4., &
3.25	Sound Transmission Design:	Climate Zone: Degree Days Below 1: Is there more than 1 d	8 C:				5B-1 Table 2 5B-3, 5.8.1.2.(2), 5.8.1.4., &
3.25	Sound Transmission	Climate Zone: Degree Days Below 1: Is there more than 1 d Option Implemented:	8 C:				5B-1 Table 2 5B-3, 5.8.1.2.(2), 5.8.1.4., &
3.24 3.25 3.25	Sound Transmission Design:	Climate Zone: Degree Days Below 1: Is there more than 1 d Option Implemented:	8 C:				5B-1 Table 2 5B-3, 5.8.1.2.(2), 5.8.1.4., &
3.25	Sound Transmission Design:	Climate Zone: Degree Days Below 1: Is there more than 1 d Option Implemented:	8 C:				5B-1 Table 2 5B-3, 5.8.1.2.(2), 5.8.1.4., &

<u>DRAWING LIST</u>	
SHEET NUMBER	DRAWING TITLE
A-101 A-102	GROUND FLOOR PLAN SECOND FLOOR PLAN
A-201	BUILDING SECTION
A-301 A-302	EXTERIOR ELEVATIONS -NORTH ELEVATION -EAST ELEVATION EXTERIOR ELEVATIONS -SOUTH ELEVATION -WEST ELEVATION
A-401 A-402	WALL SECTION DETAILS PLAN DETAILS
A-501	STAIR PLAN & SECTION
A-601	CONSTRUCTION ASSEMBLIES

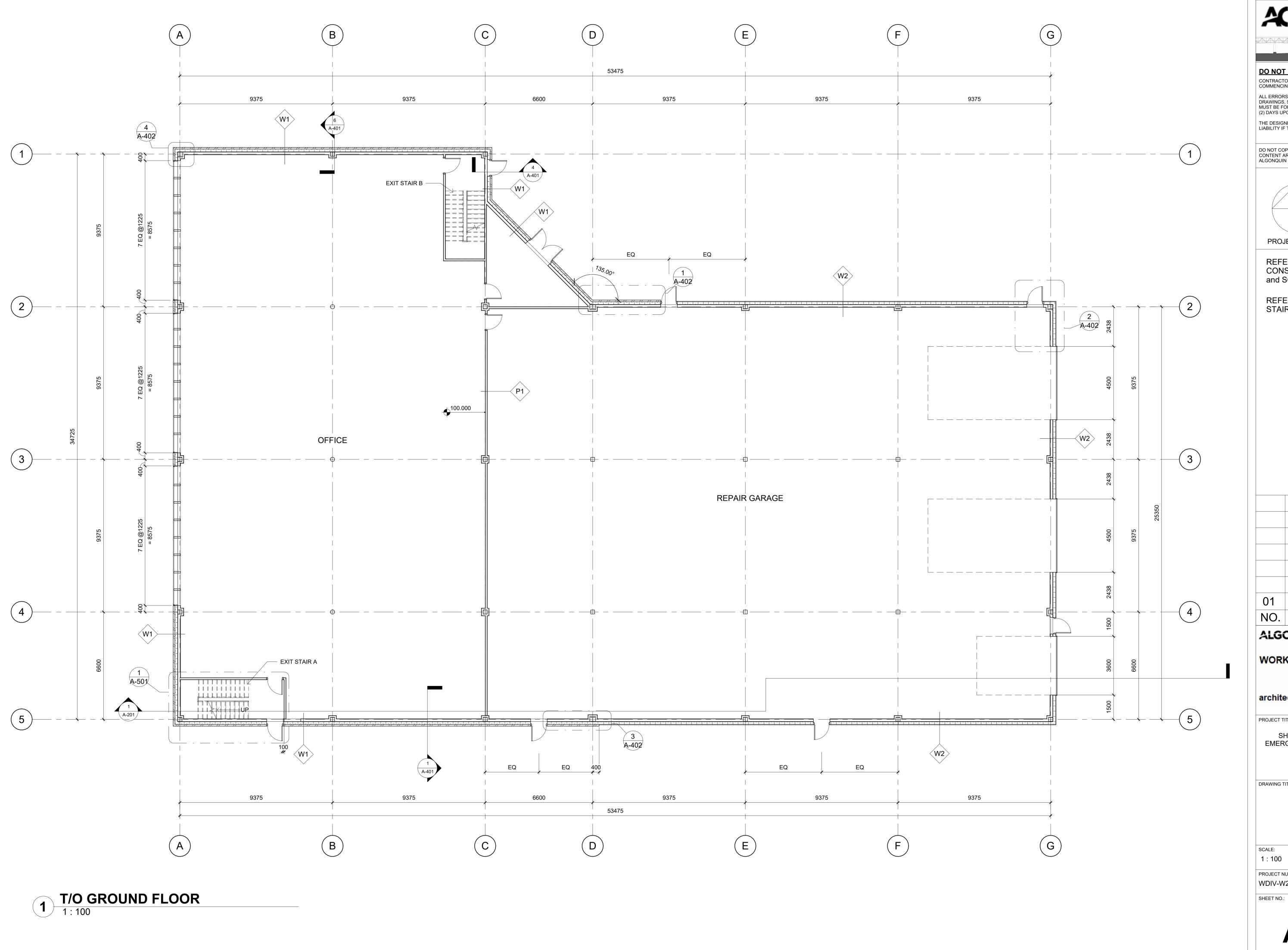


NAME: STUDENT SECTION: COURSE: SEMESTER:

DATE:

JAMIE CHEUNG No.: 040864137 24W_ARC8404C_030 WORKING DRAWINGS IV

: WINTER 2024 FEBRUARY 21, 2024

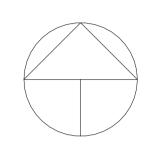


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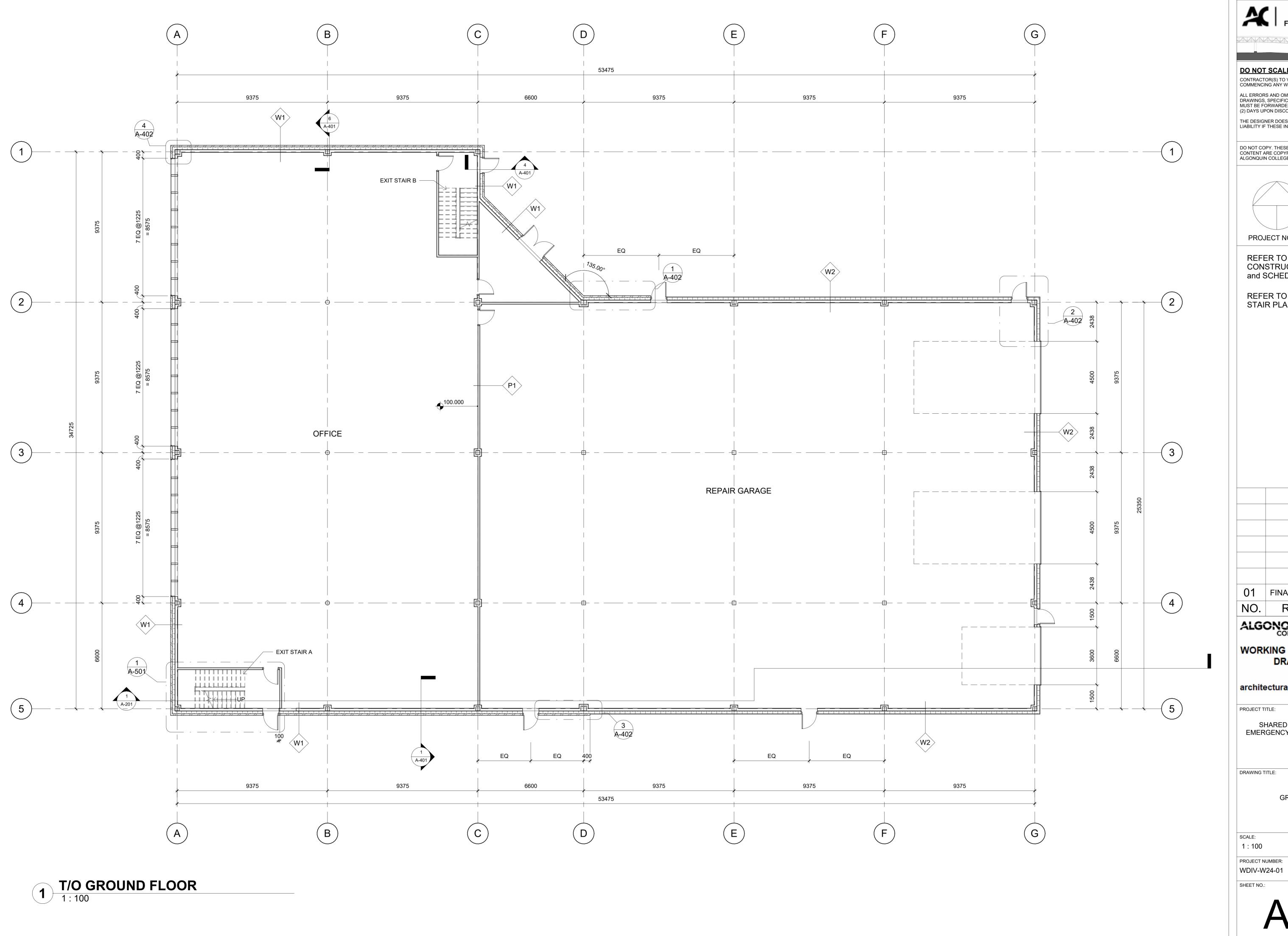
SHARED GOVERNMENT SERVICES EMERGENCY MANAGEMENT AND VEHICLE REPAIR FACILITY

DRAWING TITLE:

GROUND FLOOR PLAN

FEB 21,2024

PROJECT NUMBER: JAMIE CHEUNG WDIV-W24-01

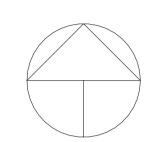


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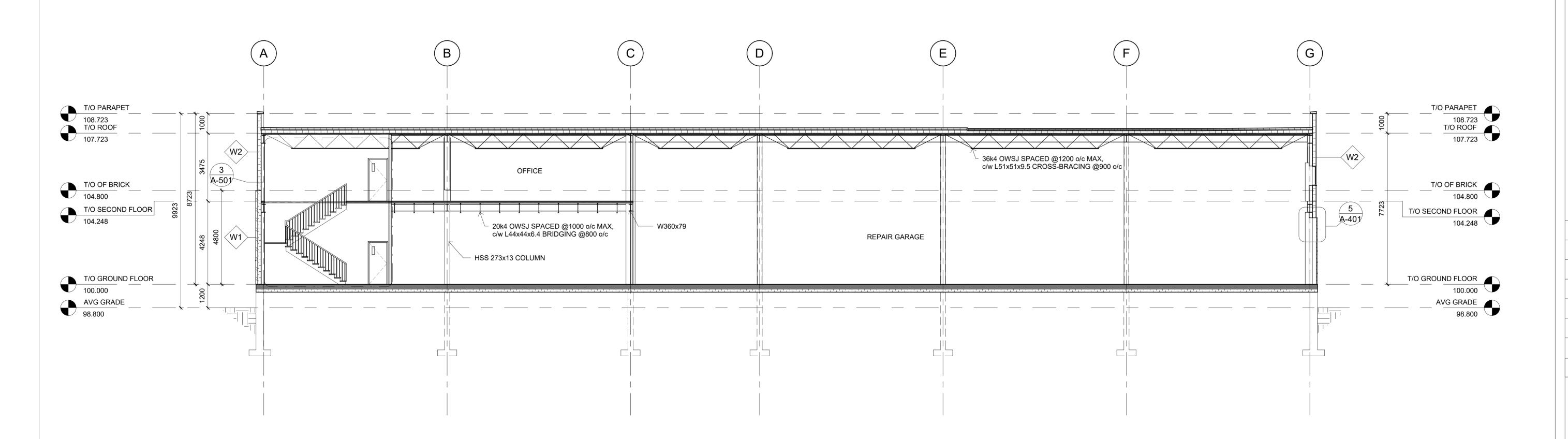
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GROUND FLOOR PLAN

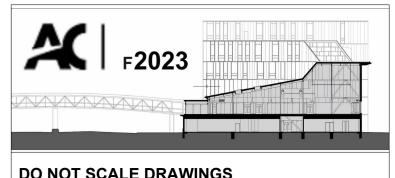
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DRAWING TITLE:

BUILDING SECTION

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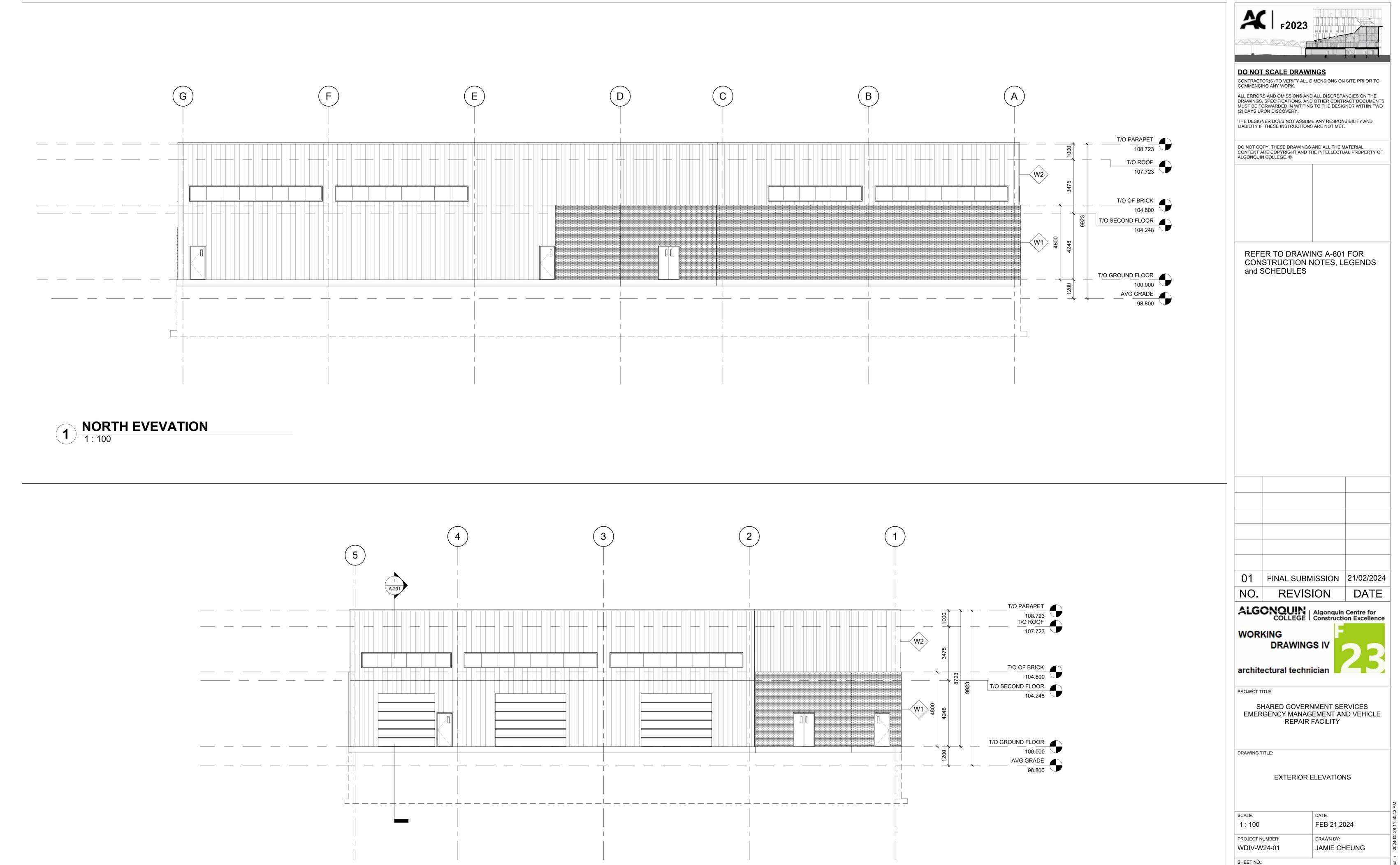
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DATE

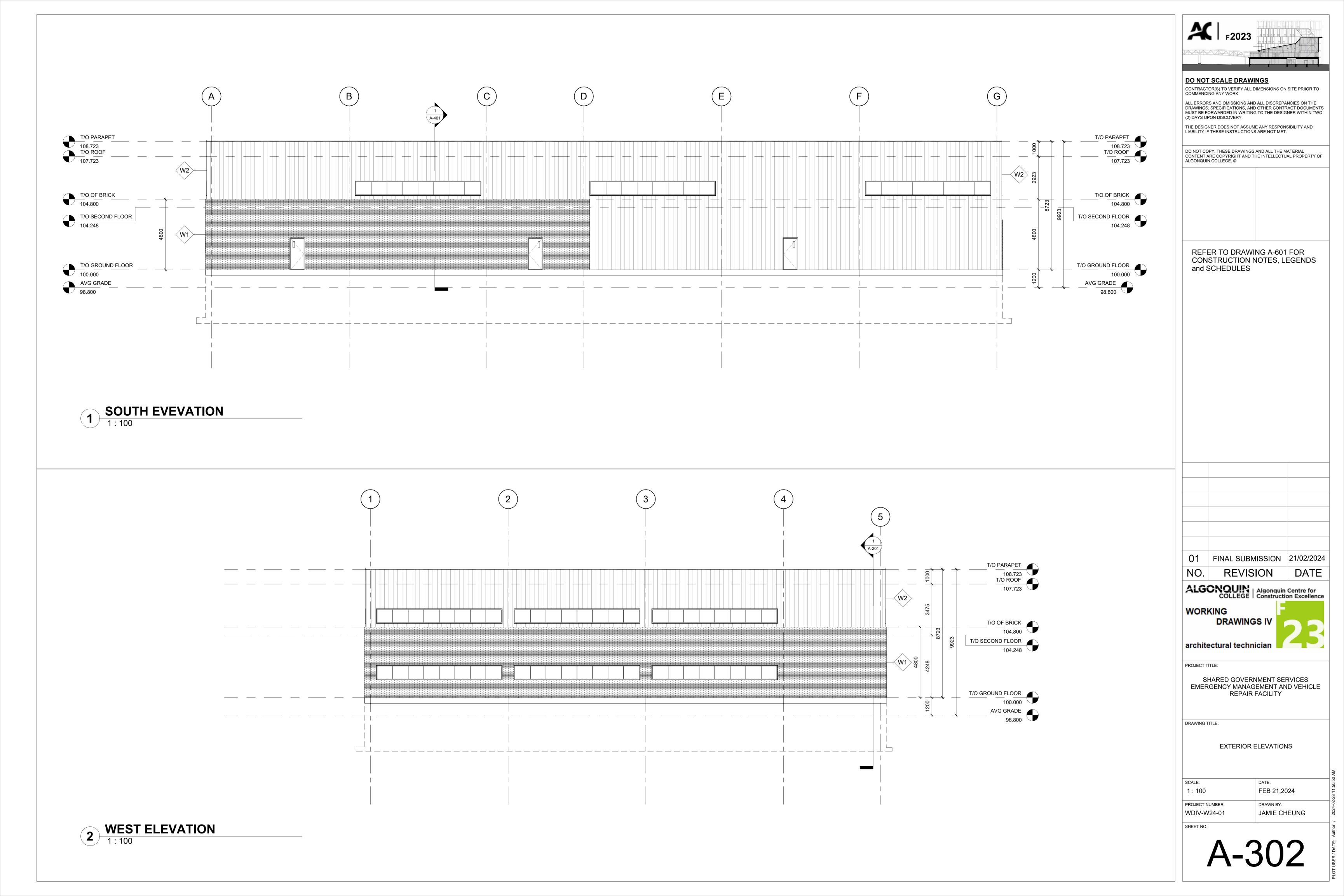
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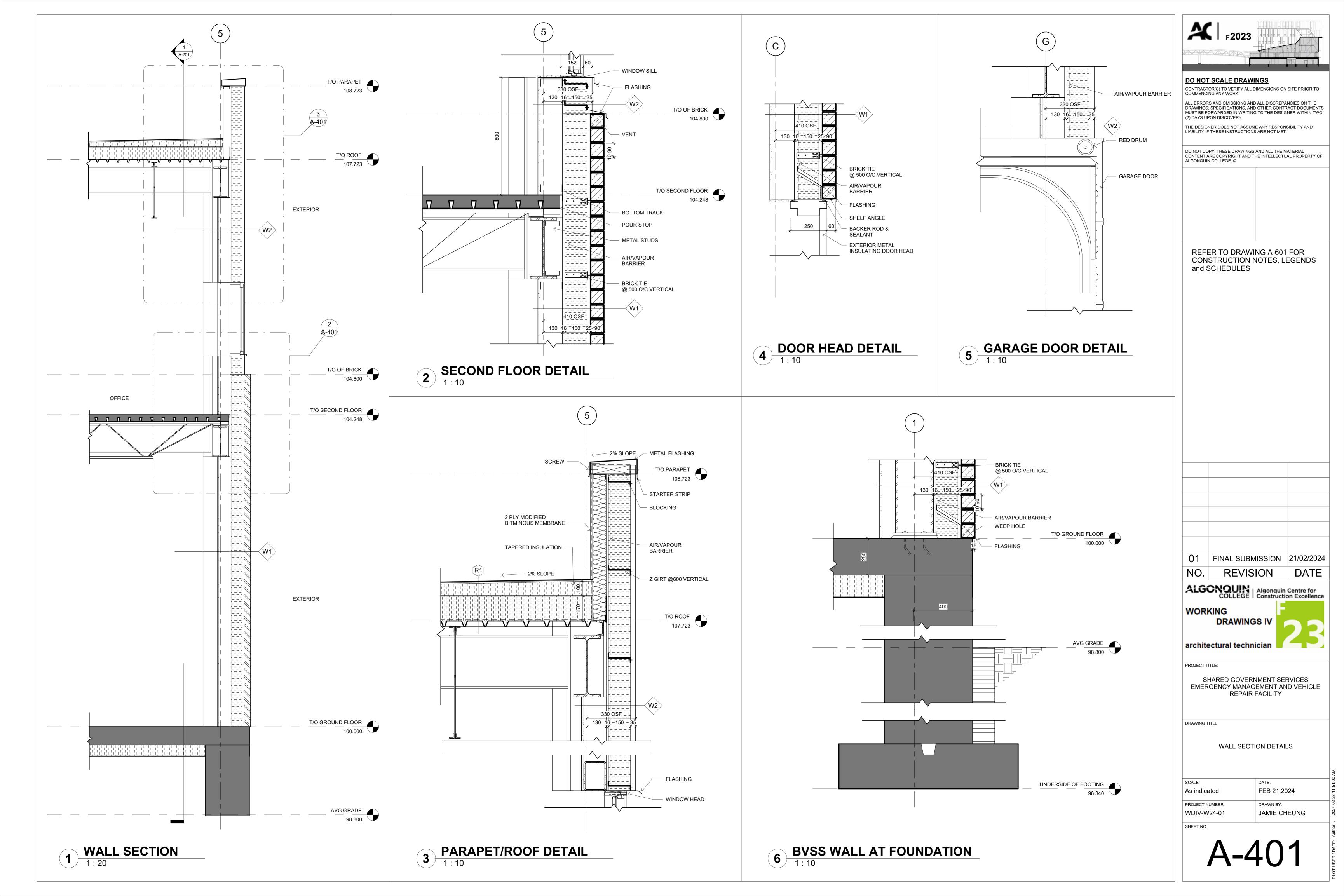
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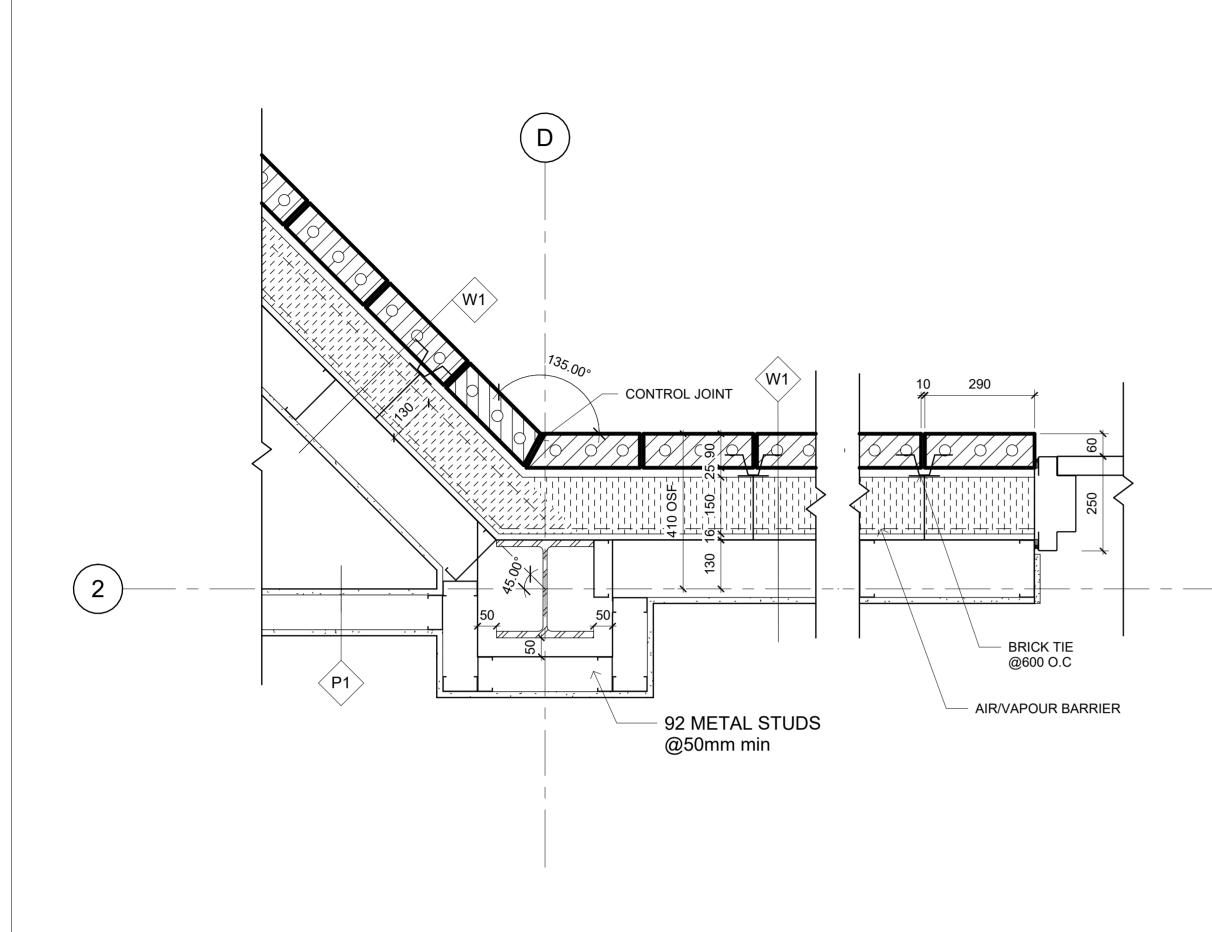


EAST ELEVATION

-301

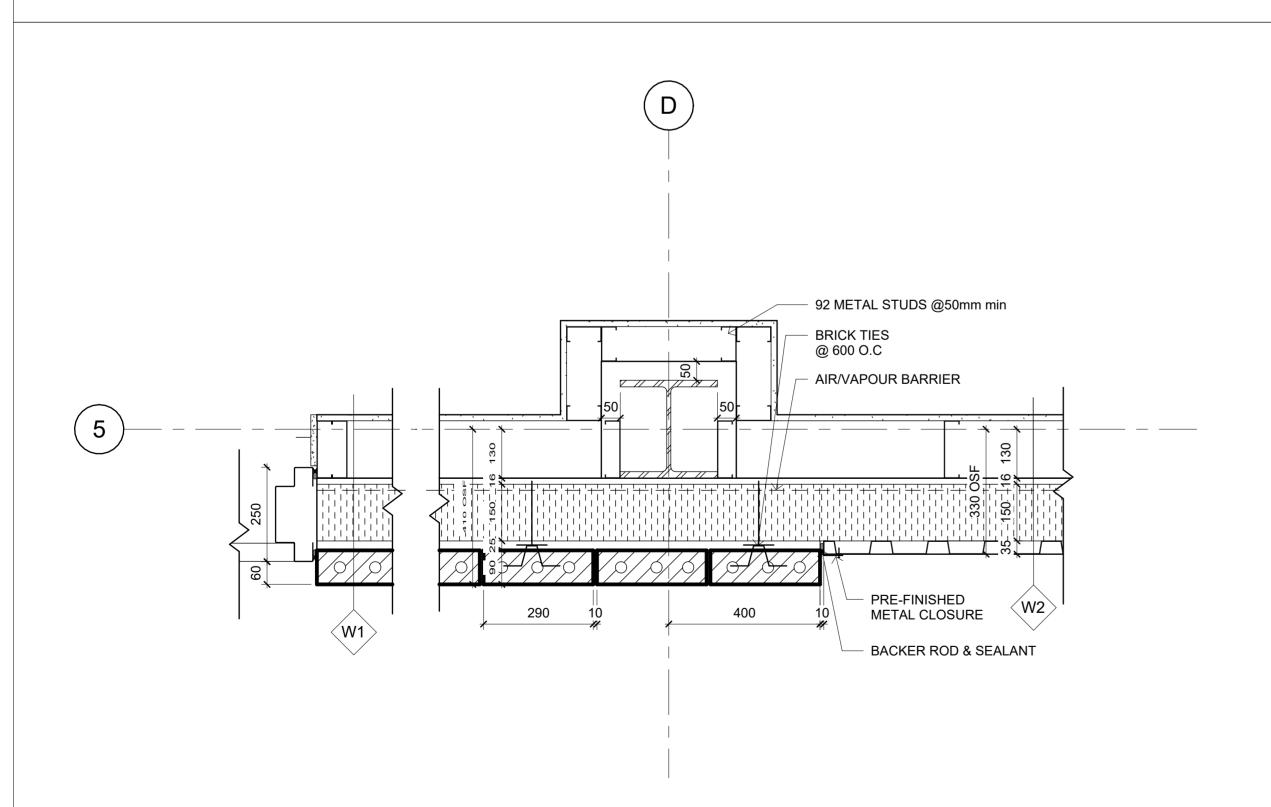




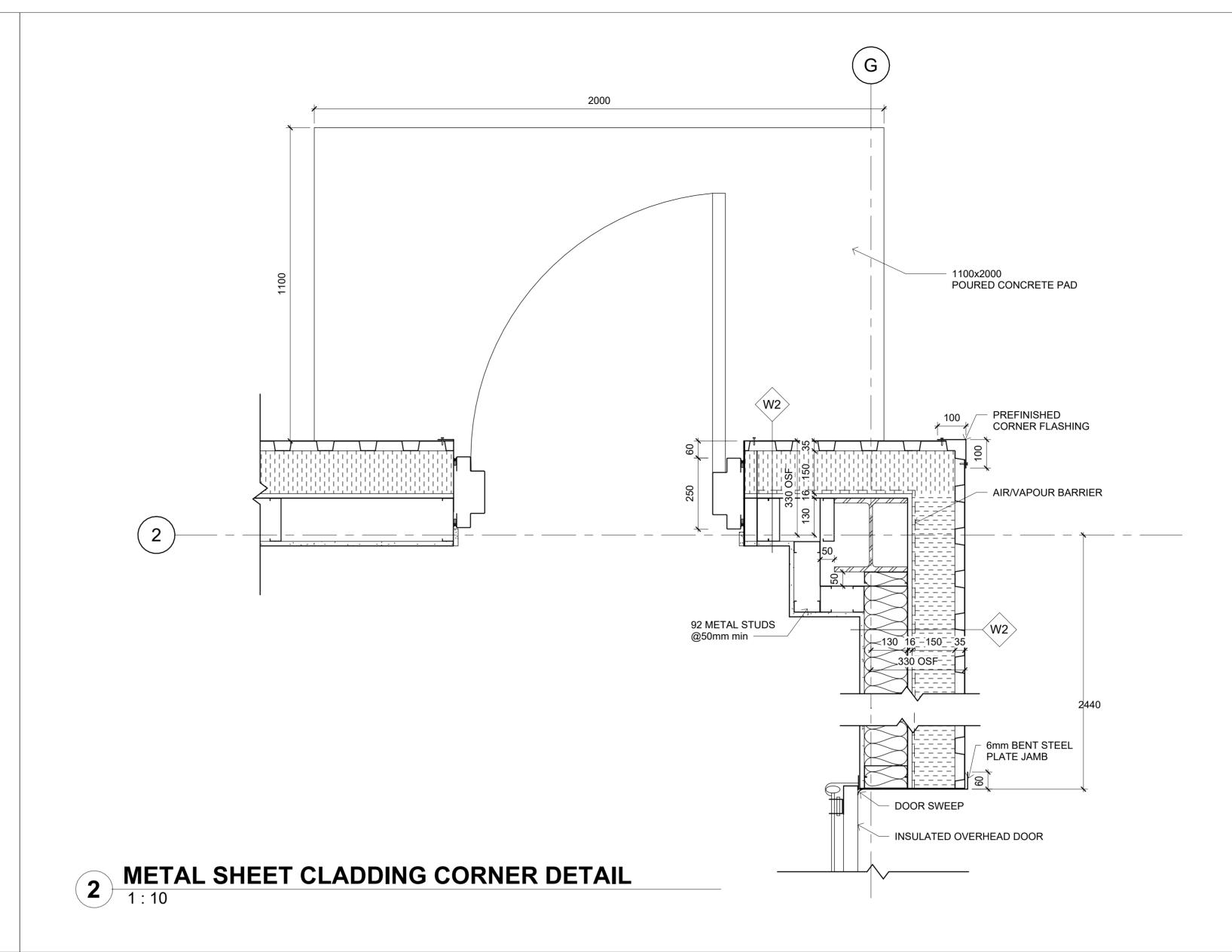


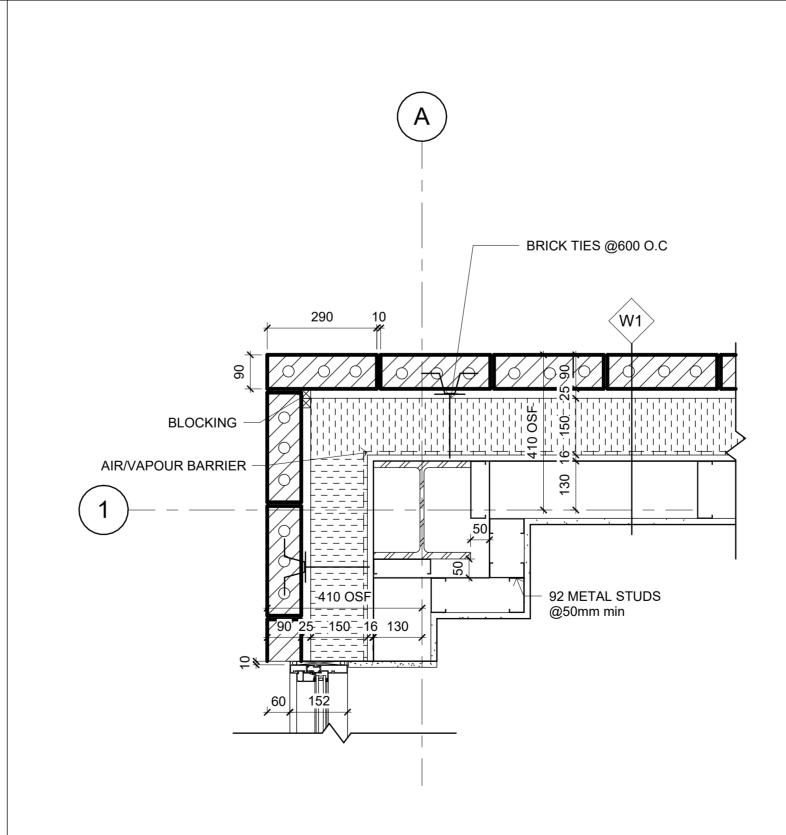
BVSS INSIDE CORNER DETAIL

1:10

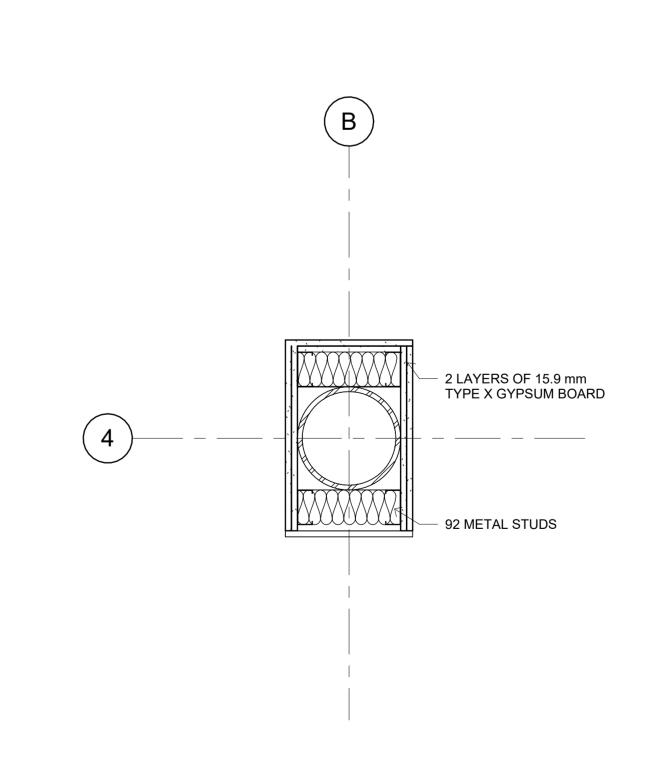


METAL SHEET CLADDING/BVSS INTERSECTION
1:10

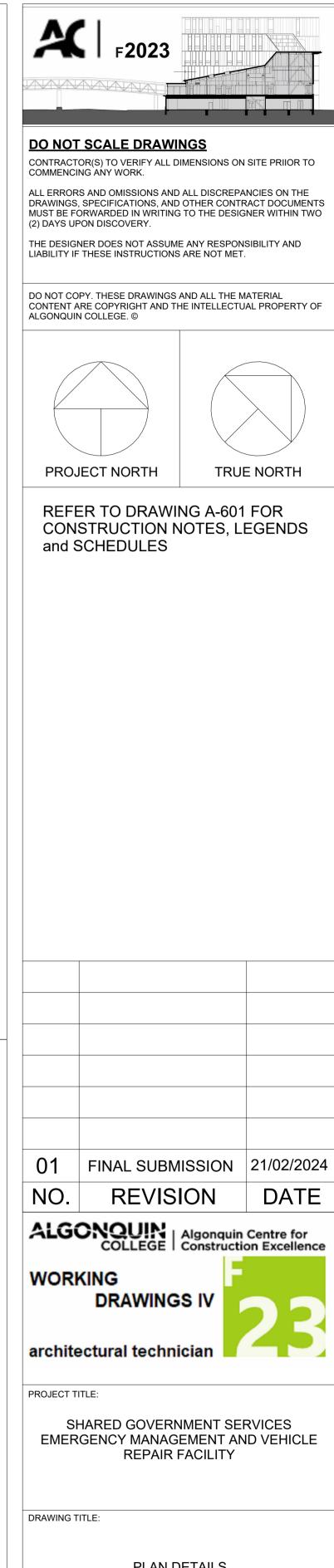








5 1H FRR COLUMN AT SECOND FLOOR



TRUE NORTH

PLAN DETAILS FEB 21,2024 JAMIE CHEUNG

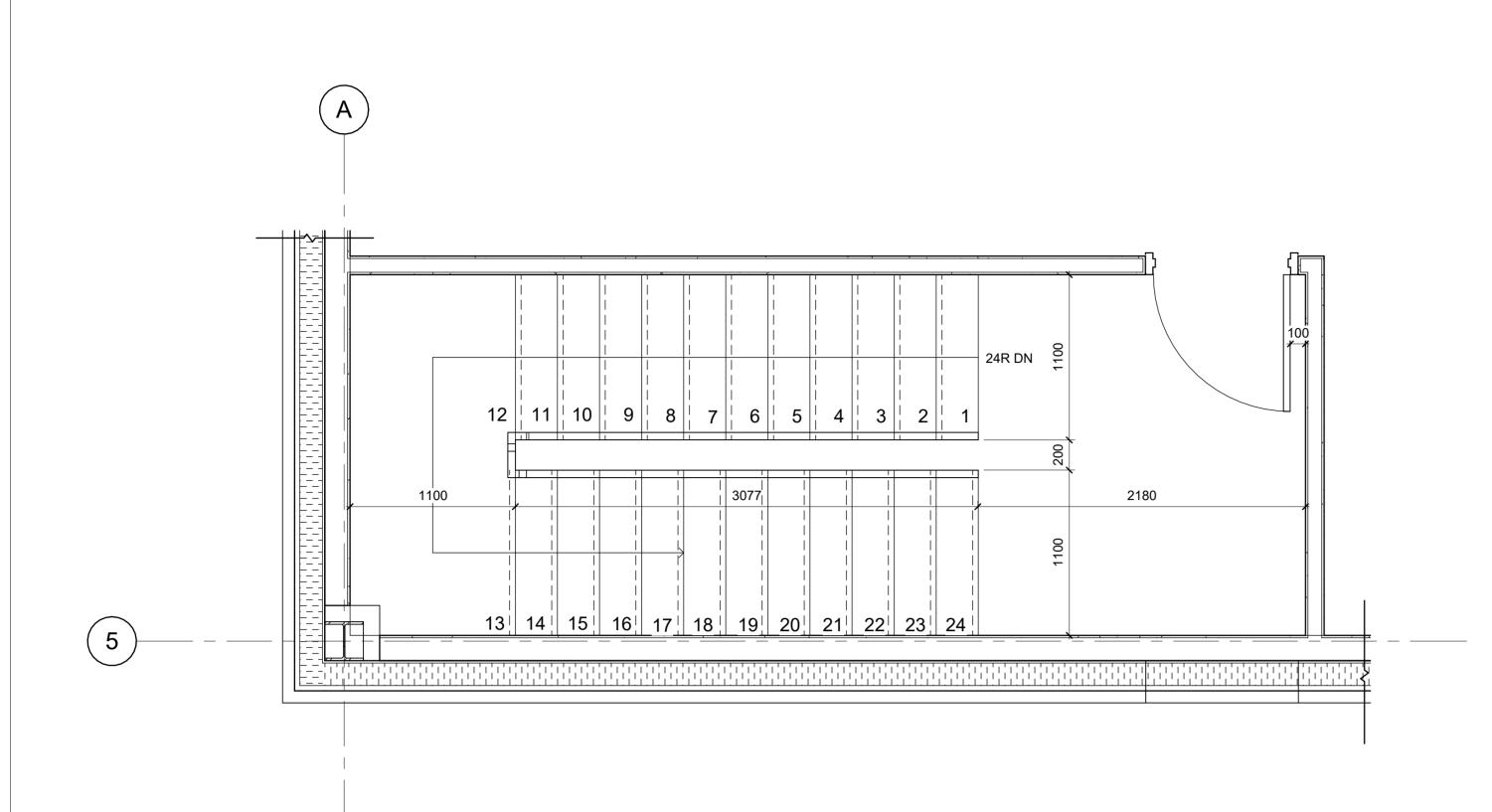
DATE

1:10

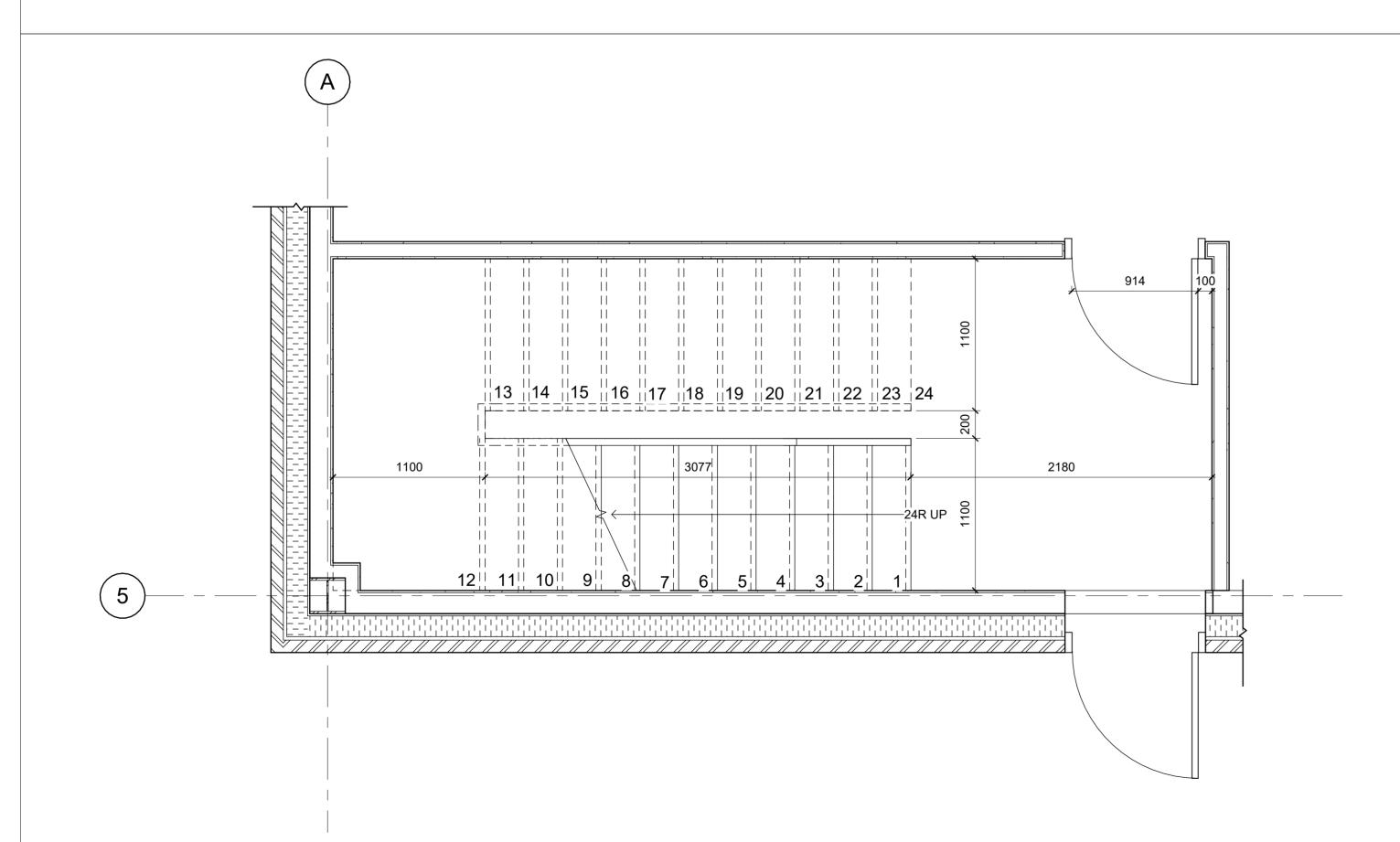
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2 SECOND FLOOR EXIT STAIR PLAN A 1:25 (STAIR B TYP.)



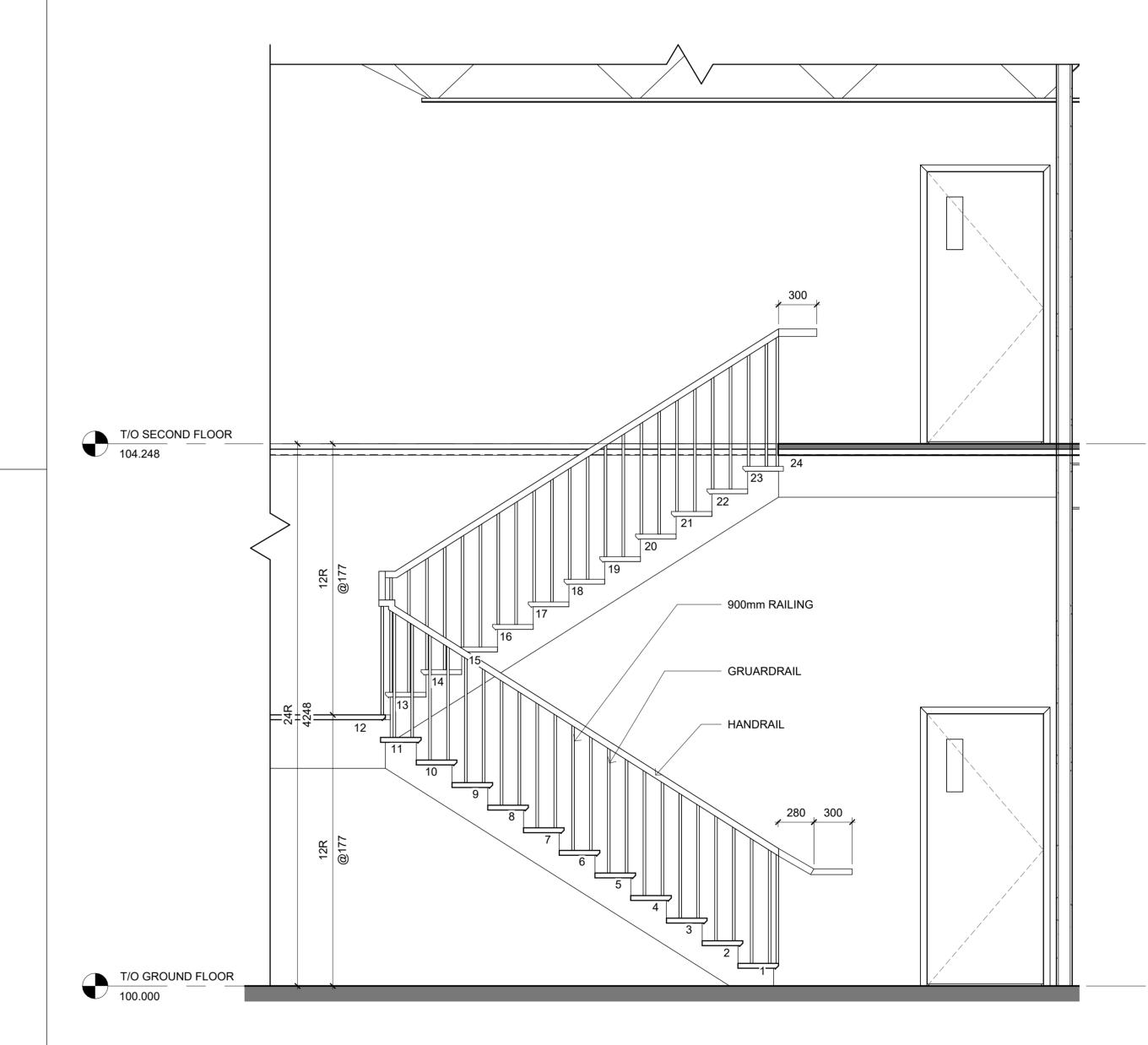
1 GROUND FLOOR EXIT STAIR PLAN A
1:25 (STAIR B TYP.)

OBC REFERENCES
3.4.3.2(7)(d) - EXIT WIDTH
3.4.6.3(1) - RISE HEIGHT
3.4.6.4(1) - LANDING
3.4.6.12(1)(a) - EXIT DOOR SWING
3.4.6.5(5) - HANDRAIL
3.4.6.5(10) - HANDRAIL EXT.
3.4.6.5(11) - HANDRAIL CLEARANCE

FLOOR TO FLOOR = 4248mm

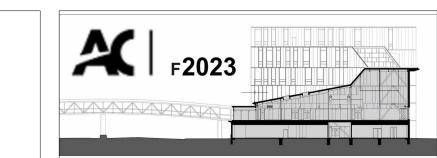
3.4.6.6(2) - GUARD HEIGHT

4248/180 = 23.6 = 24 RISERS 4248/24 = 177mm 12R @177 280 RUN



STAIR SECTION

1:25 (STAIR B TYP.)



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DRAWING TITLE:

STAIR PLAN & SECTION

SCALE: 1:25

 1:25
 FEB 21,2024

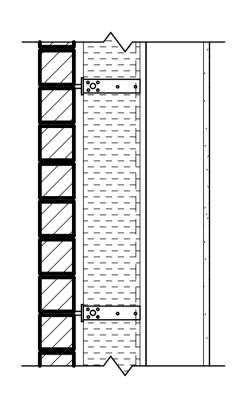
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 DRAWN BY:

 WDIV-W24-01
 JAMIE CHEUNG

SHEET NO ·

A-501

CONSTUCTION ASSEMBLIES



W1: EXTERIOR WALL - BRICK VENEER STEEL STUDS (BVSS)

90 MECTRIC JUMBO BRICK, COLOUR: RED, FINISH: SMOOTH, RUNNING **BOND**

FERO THERMAL TIE @500 MAX VERTICAL, 600 MAX HORIZONTAL O.C

25 AIR SPACE

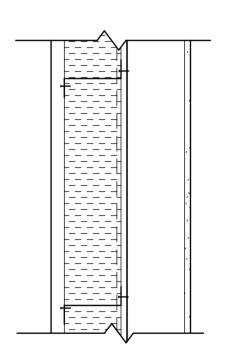
150 EXTRUDED PLOYSTYRENE (XPS) RIGID @ 5 R.S.I

AIR AND VAPOUR BARRIER MEMBRANE

15.9 SECUROCK BRAND ULTRALIGHT GLASS-MAT SHEATHING

152 1.6mm (16ga) LIGHTWEIGHT STEEL FRAMING @600 O.C

15.9 SHEETROCK BRAND AR FIRECODE X PANELS C/W PAINT FINISH



W2: EXTERIOR WALL - METAL SHEET CLADDING Z GIRT

35 VICWEST CL 6025 TYPE: EXPOSED FASTENER CLADDING, COLOUR: 56701 SLATE GREY, THICKNESS: 0759mm (22ga.), DIRECTION: VERTICAL

Z GIRTS DEPTH @ 5 R.S.I @600 O/C

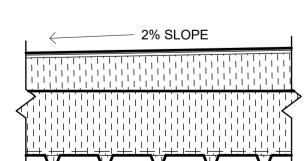
150 EXTRUDED PLOYSTYRENE (XPS) RIGID @ 5 R.S.I

AIR AND VAPOUR BARRIER MEMBRANE

15.9 SECUROCK BRAND ULTRALIGHT GLASS-MAT SHEATHING

152 1.6mm (16ga) LIGHTWEIGHT STEEL FRAMING @600 O.C

15.9 SHEETROCK BRAND AR FIRECODE X PANELS C/W PAINT FINISH



R1: ROOF ASSEMBLY

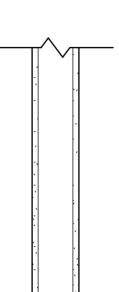
SOPREMA 2-PLY MODIFIED BITUMINOUS MEMBRANE SYSTEM C/W PROTECTION BOARD 6mm

100 POLYISOCYANURATE RIGID TYPE INSULATION TAPERED 2%

170 POLYISOCYANURATE RIGID TYPE INSULATION 6.5 R.S.I

6 PROTECTION BOARD

38 METAL ROOOF DECK

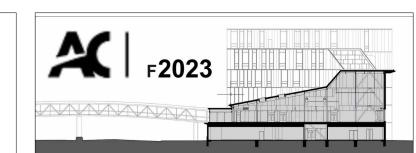


P1: PARTITION WALL

15.9 SHEETROCK BRAND AR FIRECODE X PANELS C/W PAINT FINISH

92 1.6mm (16ga) LIGHTWEIGHT STEEL FRAMING @600 O.C

15.9 SHEETROCK BRAND AR FIRECODE X PANELS C/W PAINT FINISH



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DRAWING TITLE:

CONSTRUCTION ASSEMBLIES

1:10

FEB 21,2024

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