MULGRAVE SCHOOL - STEM WING PROJECT



PROJECT TEAM:

ASSOCIATED ARCHITECTS:
CORNERSTONE ARCHITECTURE LTD. &
SURF ARCHITECTURE
STRUCTURAL ENGINEER:
READ JONES CHRISTOFFERSEN LTD.
MECHANICAL ENGINEER:
AME GROUP
ELECTRICAL ENGINEER:
JARVIS ENGINEERING
CIVIL ENGINEER:
CREUS ENGINEERING
GEOTECHNICAL ENGINEER:
GEOPACIFIC CONSULTANTS
LANDSCAPE ARCHITECT**:**
PMG LANDSCAPE ARCHITECTS
LAND SURVEYOR:
HOBBS WINTER & MACDONALD SURVEYS LTD.
TRAFFIC CONSULTANT:
URBAN FLOW CONSULTING INC.
WILDFIRE CONSULTANT:
BLACKWELL CONSULTING LTD.

DRAWING LIST ARCHITECTURAL:

A1.0 SURVEY
A1.1 SITE PLAN LOWER FLOOR
A1.2 SITE PLAN MAIN FLOOR
A1.3 SITE PLAN HEIGHT CALCULATION
A1.4 SITE SECTION

A2.1 BASE FLOOR PLAN
A2.2 LOWER FLOOR PLAN
A2.3 MAIN FLOOR PLAN
A2.4 UPPER FLOOR PLAN
A2.5 ROOF PLAN

A3.1 BUILDING SECTIONS

A4.1 NORTH & SOUTH ELEVATIONS
A4.2 EAST & WEST ELEVATIONS
A4.3 WEST VIEW RENDERING
A4.4 OVERALL VIEW RENDERING
A4.5 NORTH VIEW RENDERING
A4.6 SOUTH/EAST RENDERING

A5.1 BASEMENT FLOOR - AXONOMETRIC VIEW
A5.2 LOWER FLOOR - AXONOMETRIC VIEW
A5.3 MAIN FLOOR - AXONOMETRIC VIEW
A5.4 UPPER FLOOR - AXONOMETRIC VIEW

DRAWING LIST LANDSCAPE:

L1 OVERALL LANDSCAPE CONCEPT PLAN
L2 STEM BUILDING LANDSCAPE PLAN
L3 LANDSCAPE GRADING PLAN

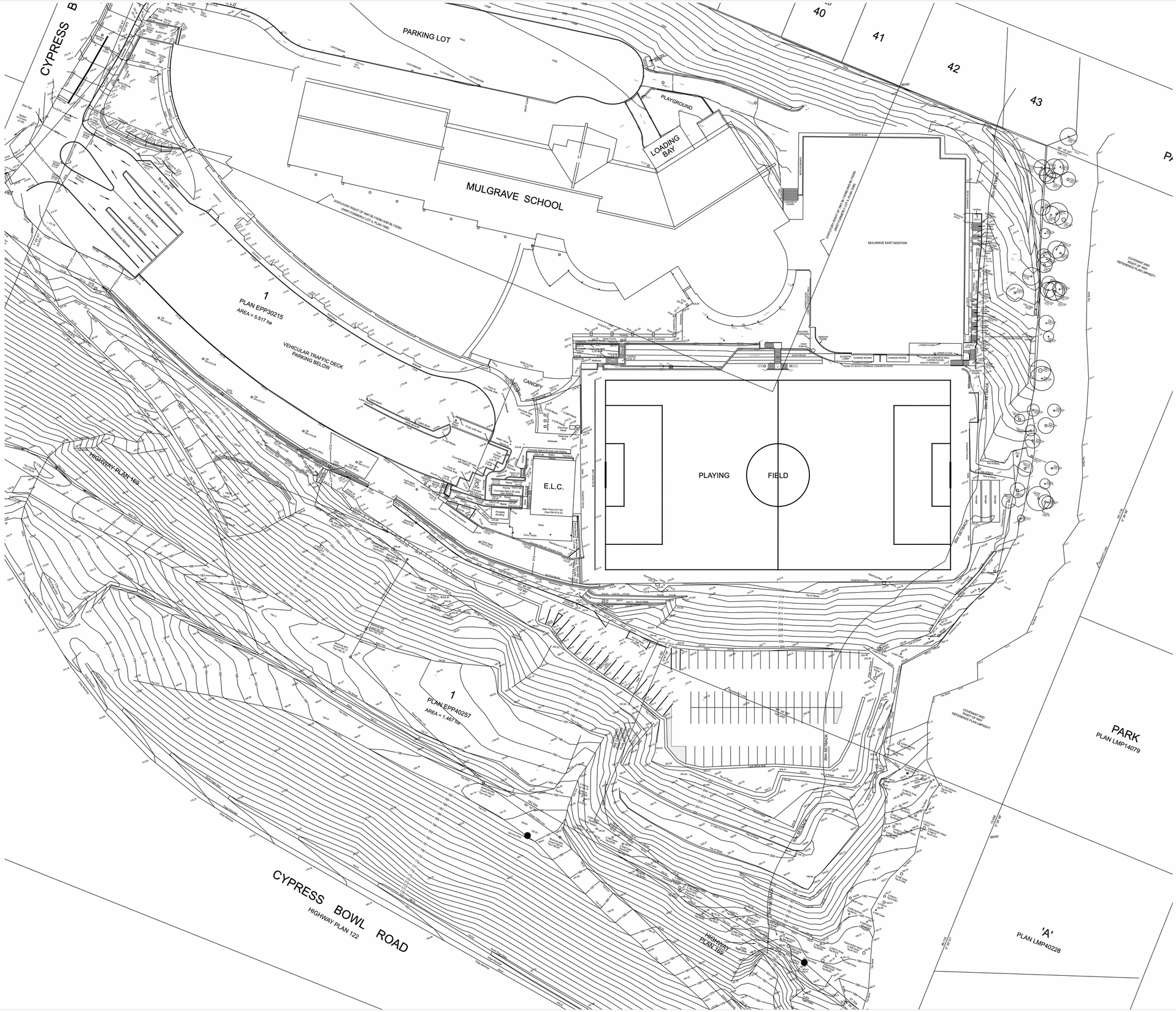
PROJECT DESCRIPTION:

THE PROPOSED DEVELOPMENT CONSISTS OF A FOUR-STOREY WING ATTACHED TO THE EXISTING SCHOOL BUILDING. THE LOWER THREE LEVELS WILL ACCOMMODATE SPECIALIZED SPACES FOR SCIENCE AND TECHNOLOGY PROGRAMS, WHILE THE UPPER LEVEL WILL SERVE AS A SIGNATURE FACILITY FOR PROFESSIONAL DEVELOPMENT, CONFERENCING, AND SPECIAL EVENTS.

THE APPLICATION ALSO INCLUDES CONVERTING A PREVIOUSLY DESIGNATED TEMPORARY PARKING LOT INTO A PERMANENT PARKING AREA.

SITE DESCRIPTION:

STREET ADDRESS: 2330 CYPRESS BOWL LANE
LEGAL ADDRESS: LOT 1 OF PLAN EPP30215 & LOT 1 OF PLAN EPP40257
BOTH OF DISTRICT LOT 793 & 816; GROUP1; NEW WESTMINSTER DISTRICT
SITE AREA: 6.984 ha (COMBINED LOTS; TO BE CONSOLIDATED PRIOR TO BP APPLICATION)
SITE ZONING DESIGNATION: PA-1



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PROJECT

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West Vancouver, BC

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DEVELOPMENT PERMIT #	
BUILDING PERMIT #	

DRAWING

Survey

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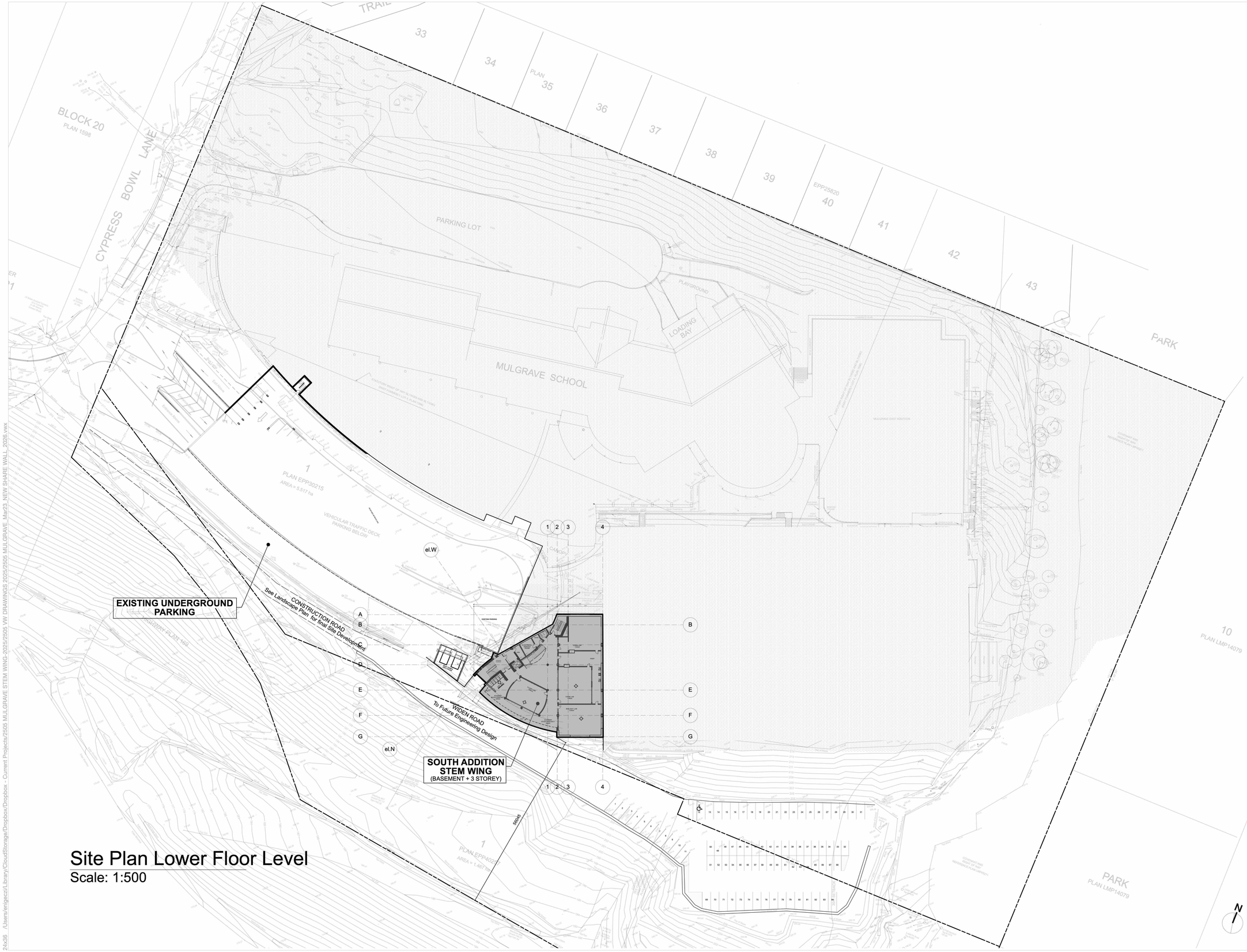
SCALE 1:100

PLOT DATE Mar 25, 2026

PROJECT NO. 2505

DRAWING NO. A-1.0

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Site Plan Lower Floor Level

Scale: 1:500

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DRAWING

Site Plan Lower Floor

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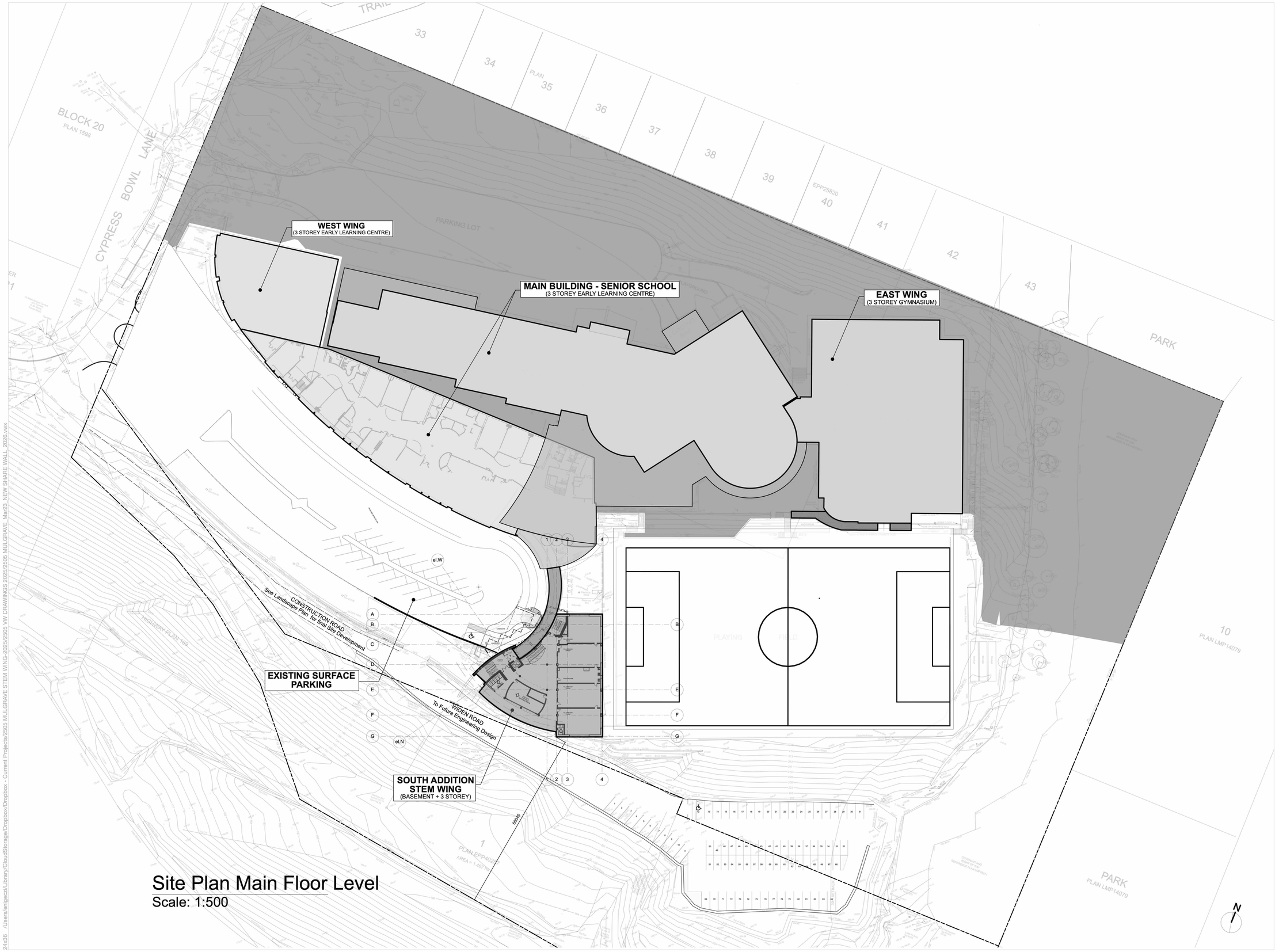
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Site Plan Main Floor Level
Scale: 1:500

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DRAWING

Site Plan Main Floor

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SCALE 1:100

PLOT DATE Mar 25, 2026

PROJECT NO. 2505

DRAWING NO. A-1.2

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AVERAGE EXISTING GRADE CALCULATION						
Ref #	Elevation (M)	Ref #	Elevation (M)	Avg Elevation (M)	Distance (M)	Avg x Distance
1	221.00	2	234.60	227.80	766.52	174612.57
2	234.60	3	219.08	226.84	210.71	47798.36
3	219.08	4	207.00	213.04	432.64	92168.99
4	207.00	5	210.00	208.50	130.06	27117.09
5	210.00	6	216.36	213.18	531.96	113404.09
6	216.36	1	221.00	218.68	83.17	18187.62
Total					2155.06	473288.72
AVG Existing Grade						219.62
Max. Bldg Height (M):		9.1				228.72

Ref - 1 m.
Elev. 221.00

Ref - 6 m.
Elev. 216.36

Ref - 2 m.
Elev. 234.60

Ref - 3 m.
Elev. 219.08

Ref - 5 m.
Elev. 210.00

Ref - 4 m.
Elev. 207.00

WEST WING
(3 STOREY EARLY LEARNING CENTRE)

MAIN BUILDING - SENIOR SCHOOL
(3 STOREY EARLY LEARNING CENTRE)

EAST WING
(3 STOREY GYMNASIUM)

SOUTH ADDITION
STEM WING
(4 STOREY)

CONSTRUCTION ROAD
See Landscape Plan for final Site Development

WIDEN ROAD
To Future Engineering Design

BLOCK 20
PLAN 1596

CYPRESS BOWL LANE

PARKING LOT

LOADING BAY

PLAYGROUND

PLAYING FIELD

PARK

PARK
PLAN LMP14079

HIGHLOW PLAN 1492

PLAN EPP40206

el.W

el.N

steps

Site Plan Main Floor Level
Scale: 1:500

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DRAWING

Site Plan Height Calculation

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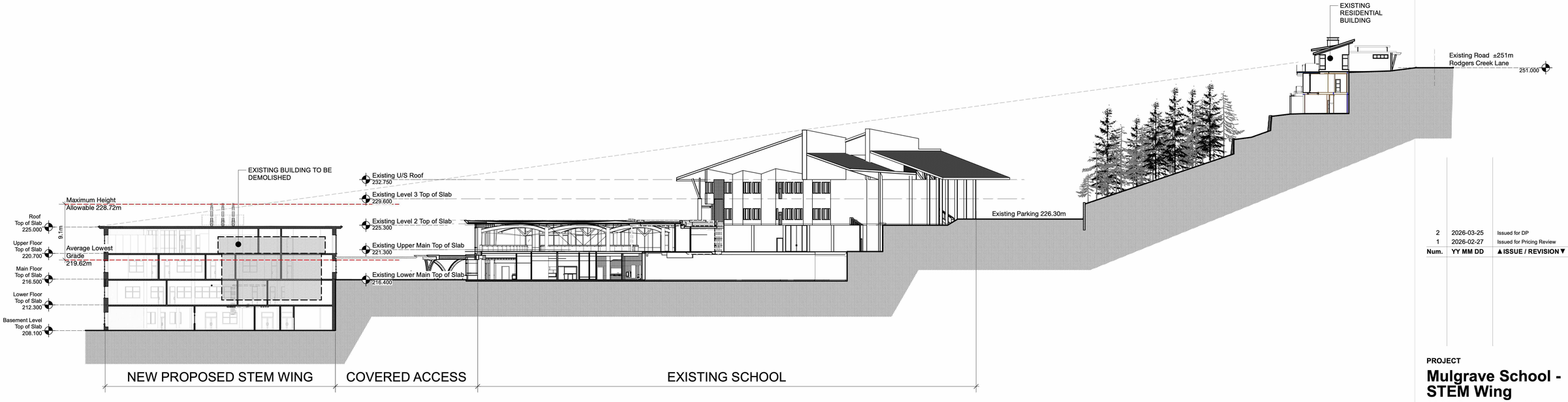
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PROJECT NO. 2505

DRAWING NO. A-1.3

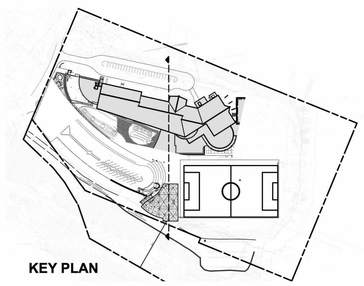
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Site Section

Scale: 1:300

0 5 10 15 20 m



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DRAWING

Site Section

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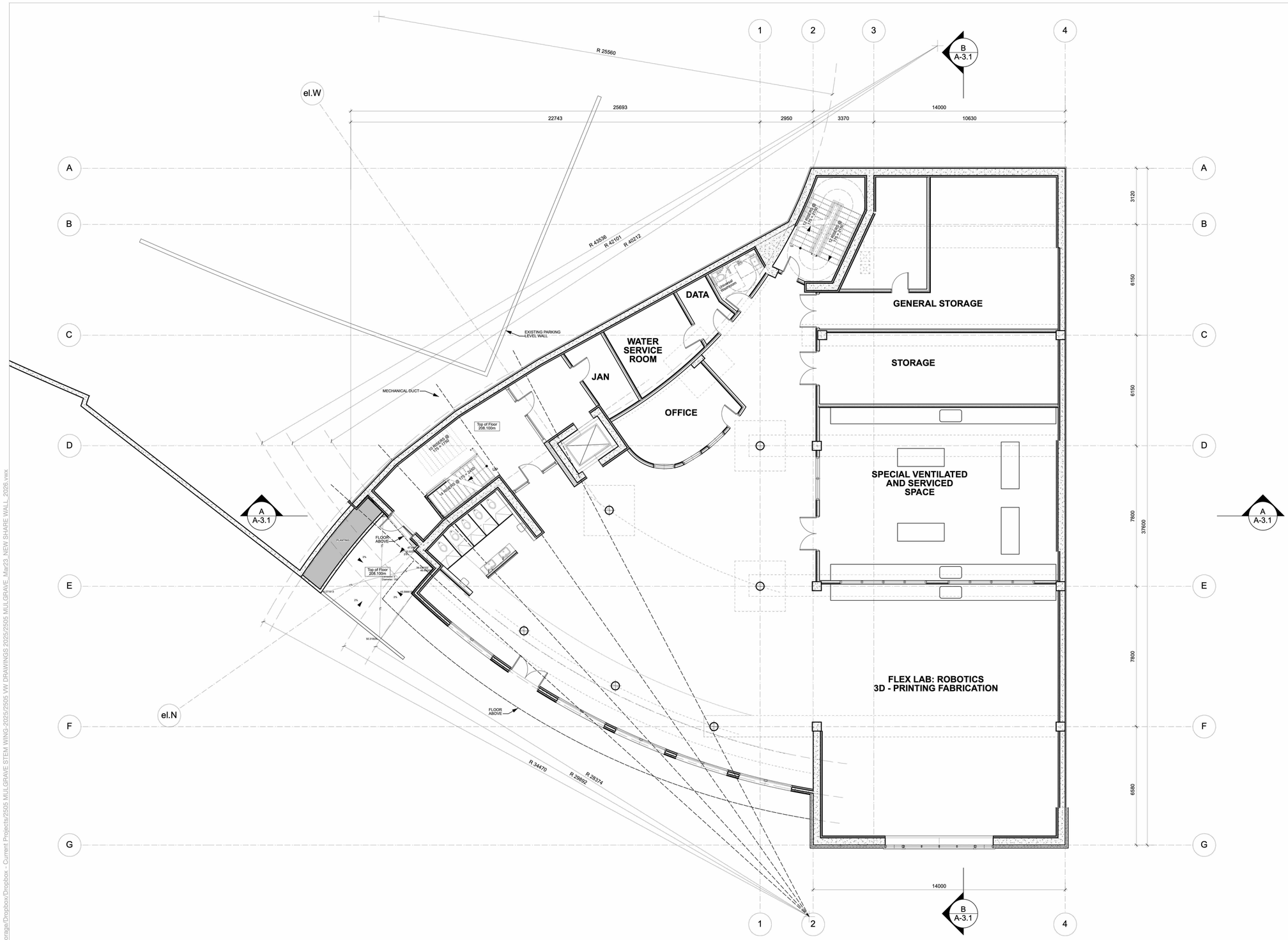
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PROJECT NO. 2505

DRAWING NO. A-1.4

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Basement Floor Plan

Scale: 1:100

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DRAWING

Base Floor Plan

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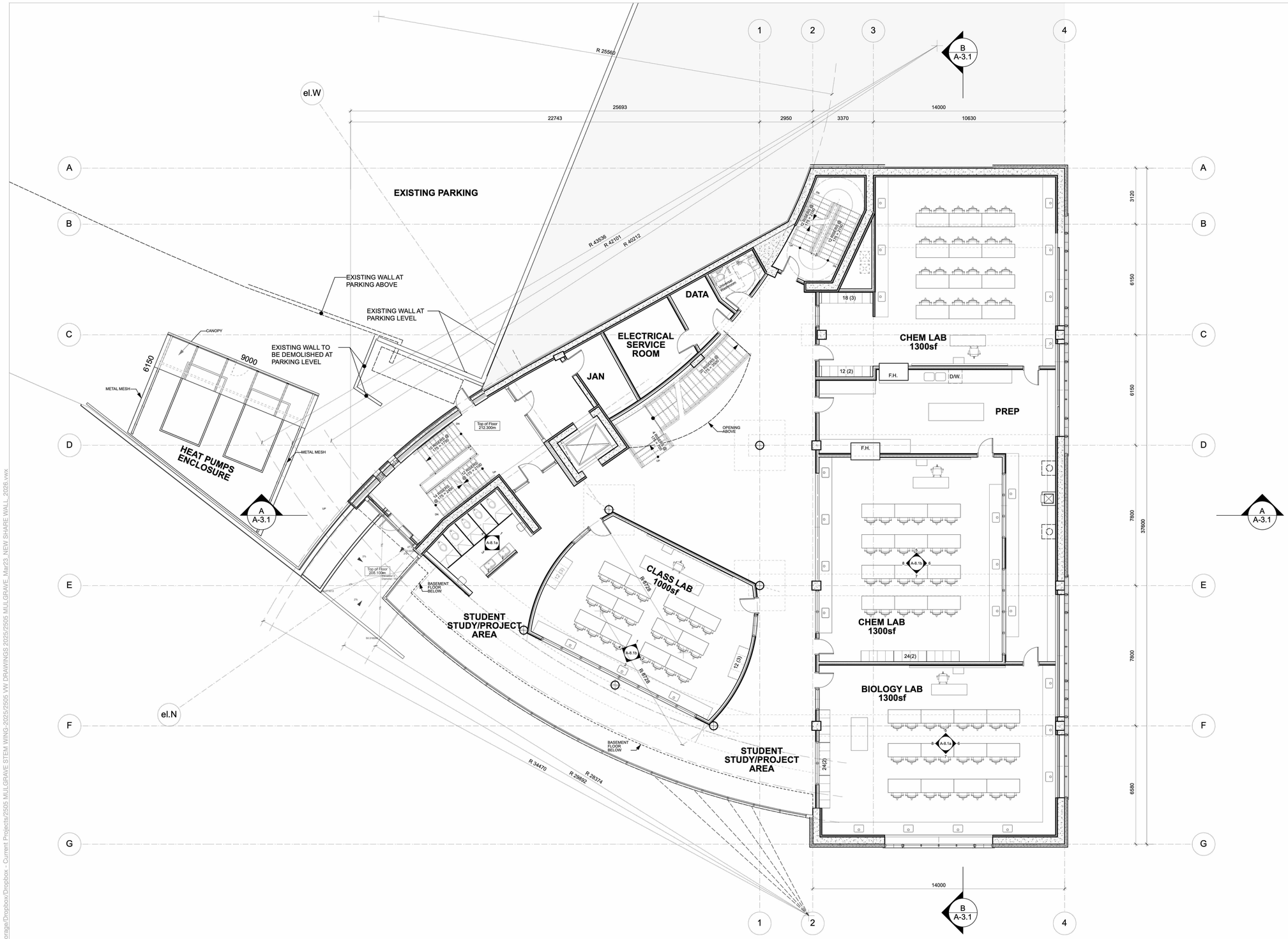
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PROJECT NO. 2505

DRAWING NO. A-2.1

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Lower Floor Plan

Scale: 1:100

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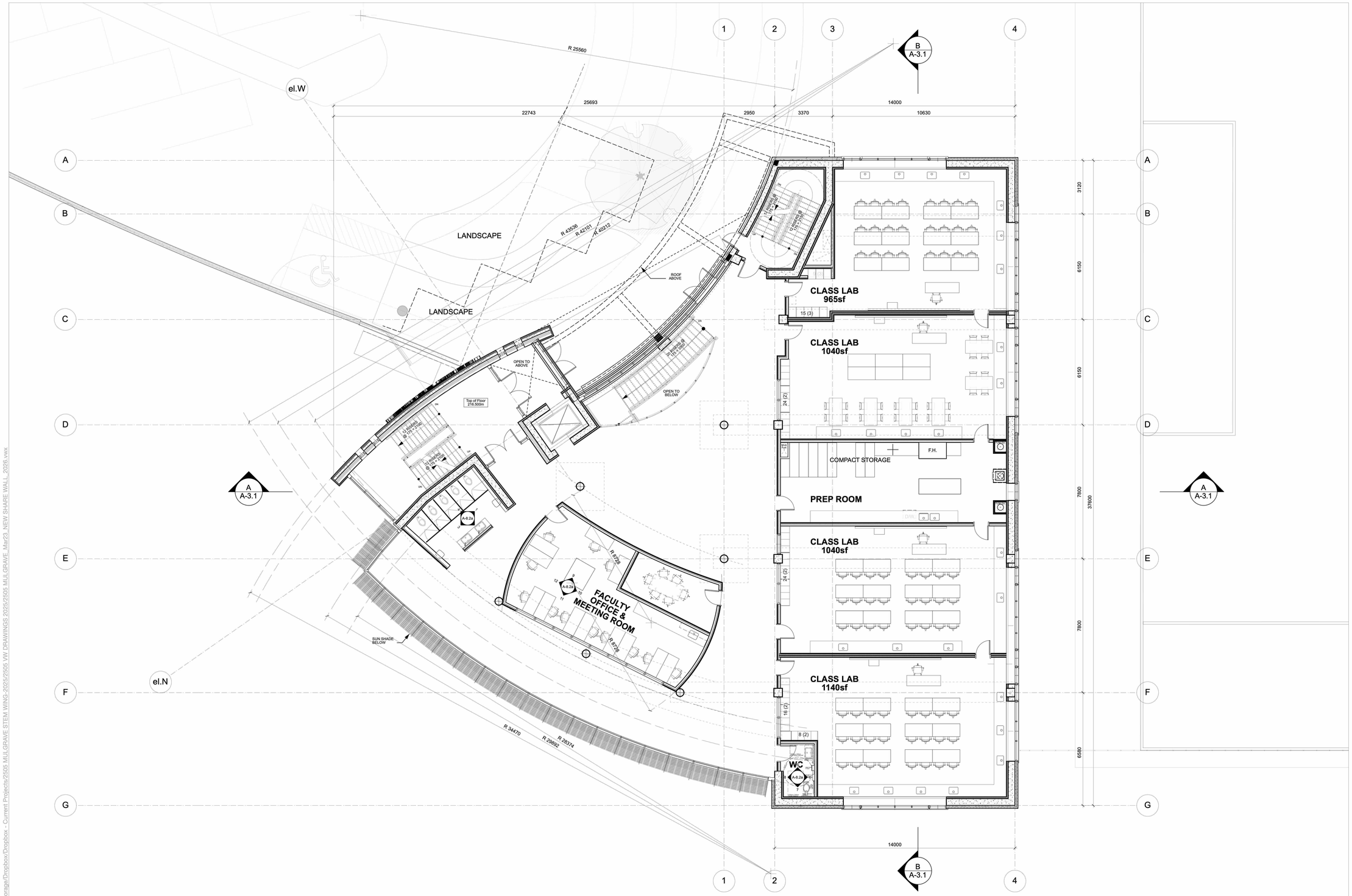
DRAWING

Lower Floor Plan

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SCALE	1:100
PLOT DATE	Mar 25, 2026
PROJECT NO.	2505
DRAWING NO.	**A-2.2**

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Main Floor Plan
Scale: 1:100

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DRAWING

Main Floor Plan

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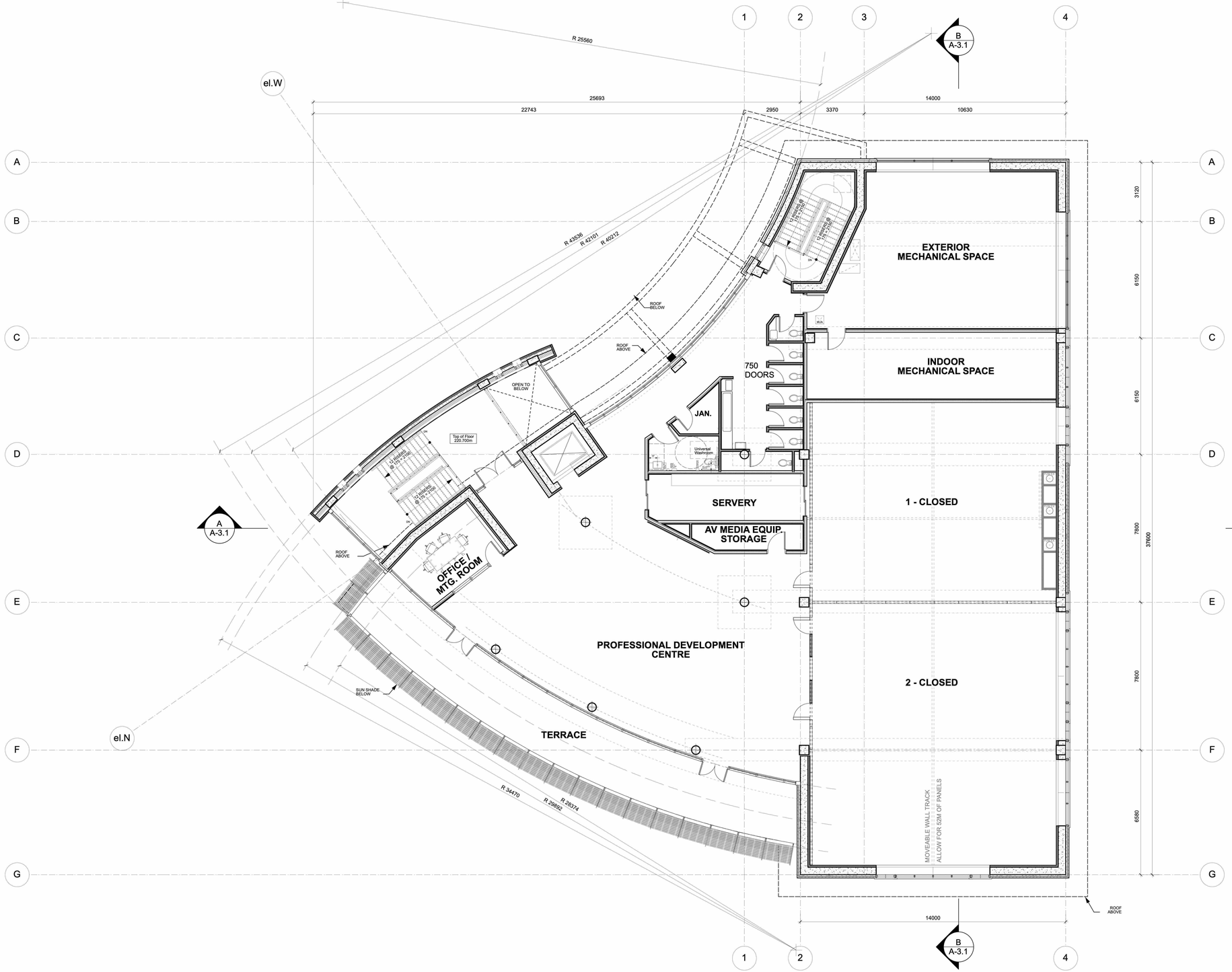
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Upper Floor Plan

Scale: 1:100

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DRAWING

Upper Floor Plan

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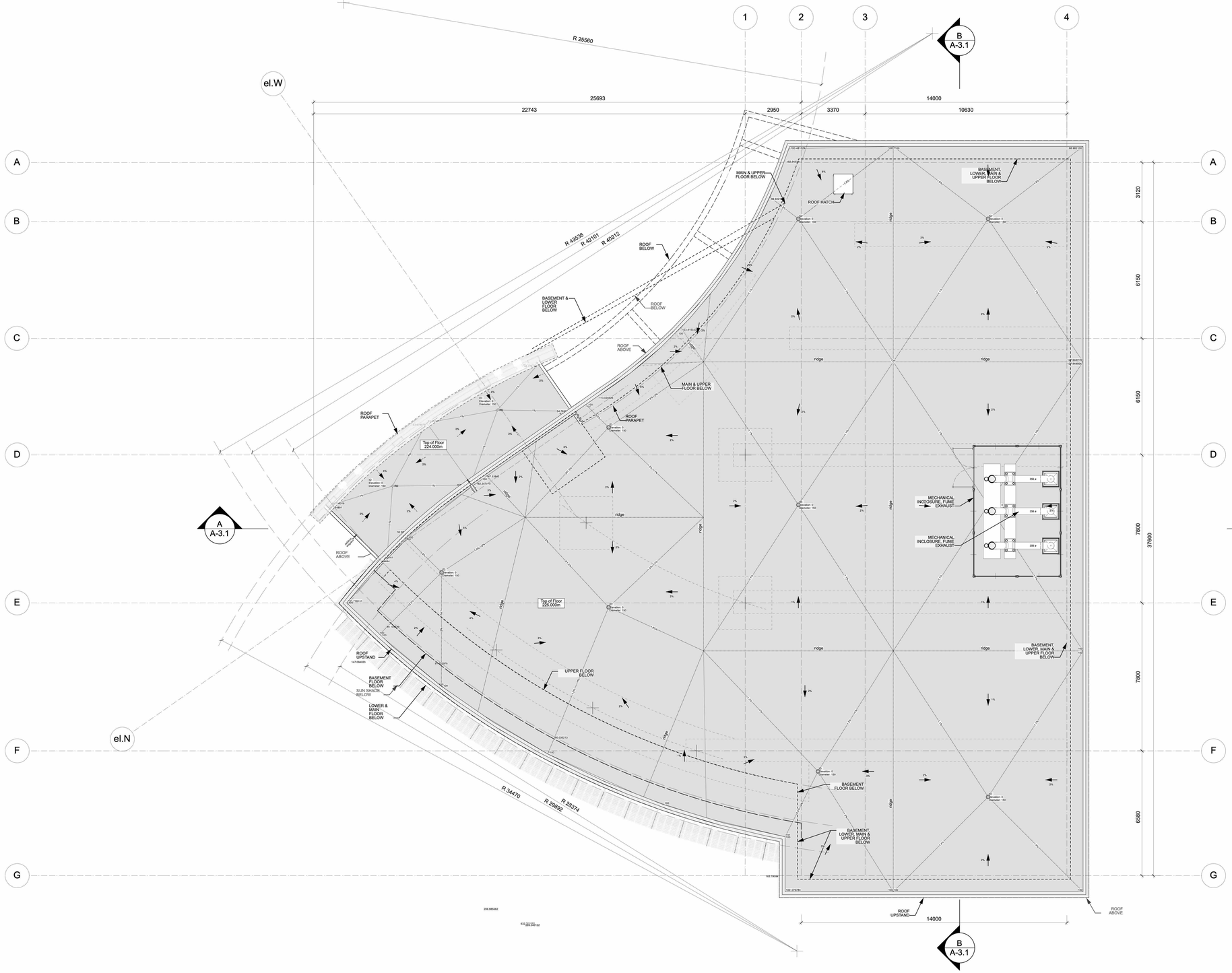
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PROJECT NO. 2505

DRAWING NO. A-2.4

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Roof Plan
Scale: 1:100

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DRAWING

Roof Plan

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DRAWING NO. A-2.5

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Buiding Section A-A

Scale: 1:100



Building Section B-B

Scale: 1:100

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Building Sections

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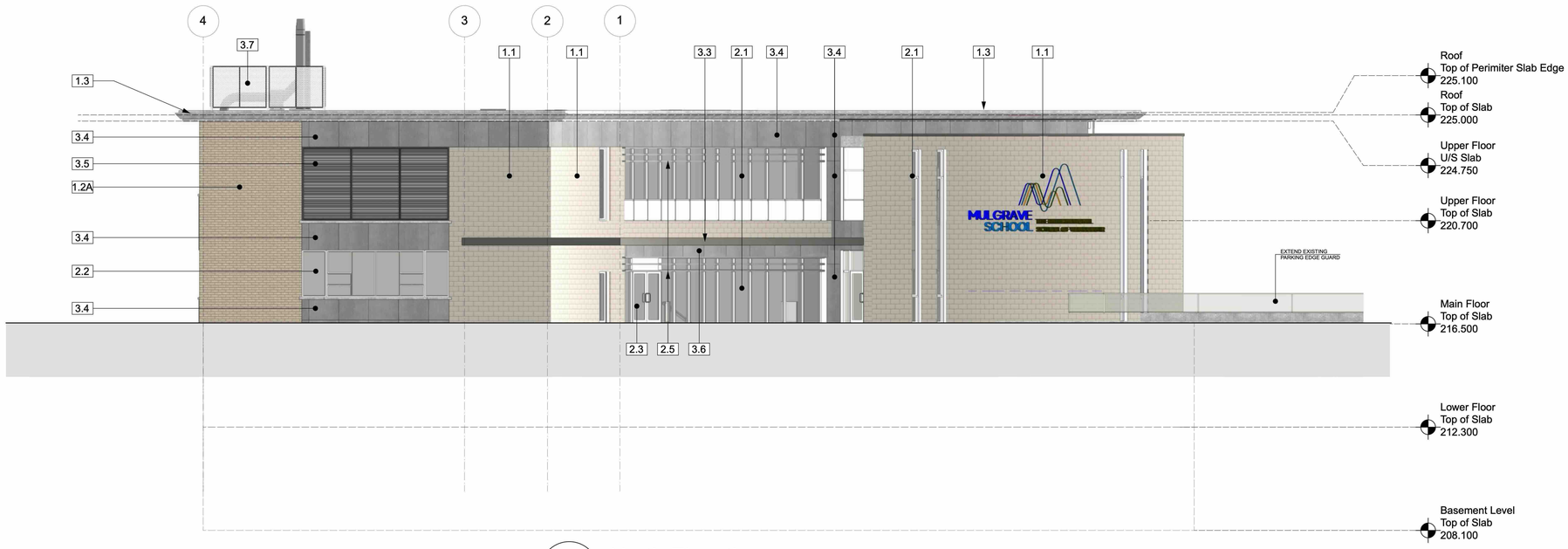
SCALE 1:100

PLOT DATE Mar 25, 2026

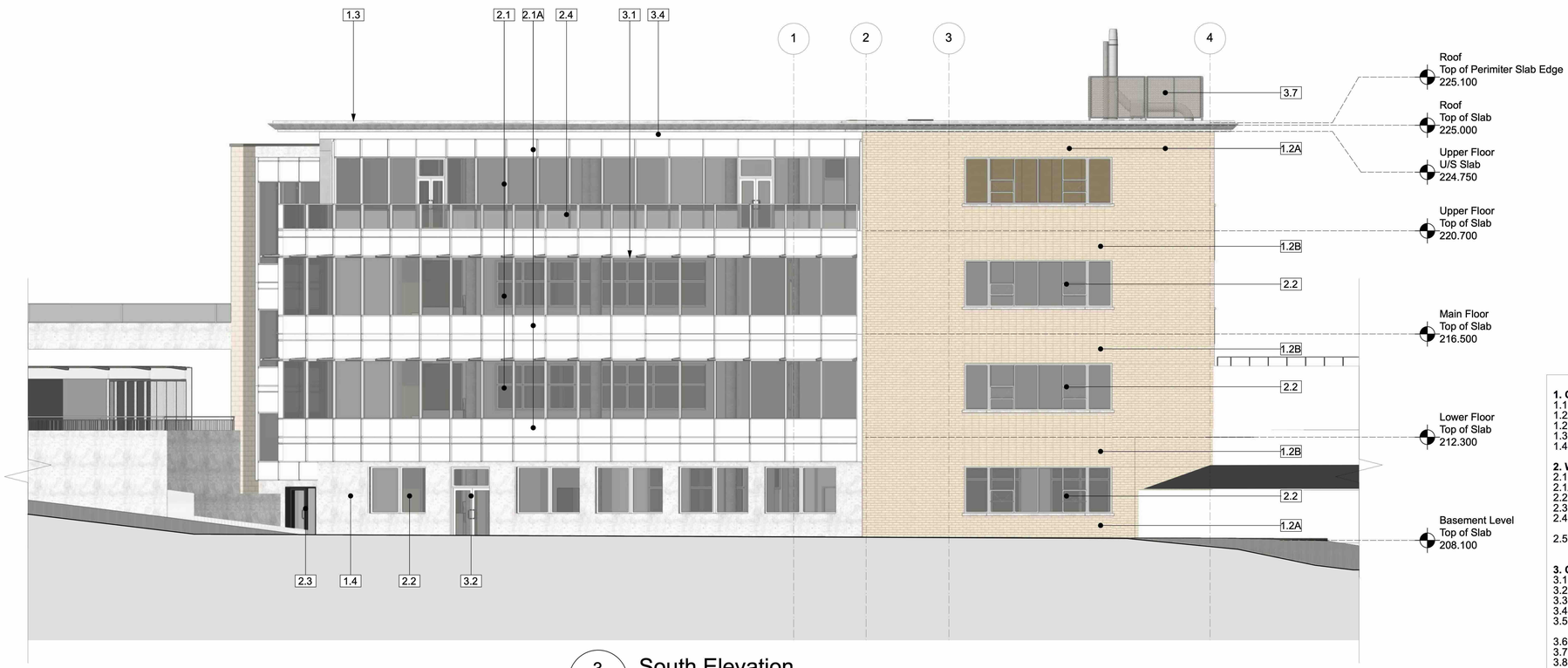
PROJECT NO. 2505

DRAWING NO. A-3.1

24x36 /Users/enigacct/Library/CloudStorage/Dropbox/Dropbox - Current Projects/2505 MULGRAVE STEM WING-2025/2505 VW DRAWINGS 2025/2505 MULGRAVE_Mar23_NEW SHARE WALL_2026.vwx



2 A-4.1 **North Elevation**
Scale: 1:100



3 A-4.1 **South Elevation**
Scale: 1:100

1. CONCRETE AND MASONRY
1.1 LIMESTONE CLADDING*
1.2A GROUND-FACE CMU – RUNNING BOND
1.2B GROUND-FACE CMU – STACKED BOND
1.3 PAINTED/SEALED CONCRETE FACIA & SOFFIT
1.4 FINISHED CONCRETE*

2. WINDOWS AND GLAZING
2.1 CURTAINWIDOW WALL SYSTEM
2.1A OPAQUE GLAZED SPANDREL PANEL IN WINDOW SYSTEM
2.2 WINDOW (WITH OPENERS)
2.3 GLAZED ENTRANCE DOOR IN ALUMINUM FRAME
2.4 GUARD: POWDER-COATED ALUMINUM RAILS & SUPPORTWITH GLASS PANELS
2.5 CUSTOM ANODIZED ALUMINUM HORIZONTAL FINS (MATCH WEST WING)

3. CLADDING PANELS AND FINISHES
3.1 ALUMINUM SUNSHADE
3.2 PAINTED METAL DOOR & FRAME
3.3 NEW PAINTED STEEL CANOPY STRUCTURE
3.4 POWDER-COATED ALUMINUM CLADDING PANEL
3.5 ANODIZED OR POWDER-COATED ALUMINUM MECHANICAL LOUVRE
3.6 CUSTOM PAINTED LOUVRE PANEL (MATCH WEST WING)
3.7 ROOF LEVEL SCREEN (MATCH EAST WING)
3.8 HEAT PUMP EQUIPMENT SCREEN

*MATCH WEST AND EAST WING STONE AND CMU MATERIAL

CORNERSTONE architecture

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Num.	YY MM DD	▲ISSUE / REVISION▼
2	2026-03-25	Issued for DP
1	2026-02-27	Issued for Pricing Review

PROJECT

Mulgrave School - STEM Wing

2330 Cypress Bowl Lane
West Vancouver, BC

BUILDING CODE	VBBL 2024
ZONING	PA-1
DEVELOPMENT PERMIT #	
BUILDING PERMIT #	

DRAWING

North and South Elevation

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SCALE 1:100

PLOT DATE Mar 25, 2026

PROJECT NO. 2505

DRAWING NO. A-4.1

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1 A-4.2 **West Elevation**
Scale: 1:100



2 A-4.2 **East Elevation**
Scale: 1:100

1. CONCRETE AND MASONRY
1.1 LIMESTONE CLADDING*
1.2A GROUND-FACE CMU – RUNNING BOND
1.2B GROUND-FACE CMU – STACKED BOND
1.3 PAINTED/SEALED CONCRETE FACIA & SOFFIT
1.4 FINISHED CONCRETE*

2. WINDOWS AND GLAZING
2.1 CURTAIN/WINDOW WALL SYSTEM
2.1A OPAQUE GLAZED SPANDREL PANEL IN WINDOW SYSTEM
2.2 WINDOW (WITH OPENERS)
2.3 GLAZED ENTRANCE DOOR IN ALUMINUM FRAME
2.4 GUARD: POWDER-COATED ALUMINUM RAILS & SUPPORTWITH GLASS PANELS
2.5 CUSTOM ANODIZED ALUMINUM HORIZONTAL FINS (MATCH WEST WING)

3. CLADDING PANELS AND FINISHES
3.1 ALUMINUM SUNSHADE
3.2 PAINTED METAL DOOR & FRAME
3.3 NEW PAINTED STEEL CANOPY STRUCTURE
3.4 POWDER-COATED ALUMINUM CLADDING PANEL
3.5 ANODIZED OR POWDER-COATED ALUMINUM MECHANICAL LOUVRE
3.6 CUSTOM PAINTED LOUVRE PANEL (MATCH WEST WING)
3.7 ROOF LEVEL SCREEN (MATCH EAST WING)
3.8 HEAT PUMP EQUIPMENT SCREEN

*MATCH WEST AND EAST WING STONE AND CMU MATERIAL

CORNERSTONE architecture

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PROJECT

Mulgrave School - STEM Wing

2330 Cypress Bowl Lane
West Vancouver, BC

BUILDING CODE	VBBL 2024
ZONING	PA-1
DEVELOPMENT PERMIT #	
BUILDING PERMIT #	

DRAWING

West and East Elevation

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SCALE 1:100

PLOT DATE Mar 25, 2026

PROJECT NO. 2505

DRAWING NO. A-4.2

24x36 /Users/enigaczc/Library/CloudStorage/Dropbox/Dropbox - Current Projects/2505 MULGRAVE STEM WING-2025/2505 VW DRAWINGS 2025/2505 MULGRAVE_Mar23_NEW SHARE WALL_2026.vwx



West View Rendering

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PROJECT

Mulgrave School - STEM Wing

2330 Cypress Bowl Lane
West Vancouver, BC

BUILDING CODE	VBBL 2024
ZONING	PA-1
DEVELOPMENT PERMIT #	
BUILDING PERMIT #	

DRAWING

West Vew Rendering

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SCALE 1:100

PLOT DATE Feb 27, 2026

PROJECT NO. 2505

DRAWING NO. A-4.3

24x36 /Users/enigeczi/Library/CloudStorage/Dropbox/Dropbox - Current Projects/2505 MULGRAVE STEM WING-2025/2505 VW DRAWINGS 2025/2505 MULGRAVE_Mar23_NEW SHARE WALL_2026.vwx



Overall View Rendering

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PROJECT

Mulgrave School - STEM Wing

2330 Cypress Bowl Lane
West Vancouver, BC

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ZONING	PA-1
DEVELOPMENT PERMIT #	
BUILDING PERMIT #	

DRAWING

Overall View Rendering

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SCALE 1:100

PLOT DATE Feb 27, 2026

PROJECT NO. 2505

DRAWING NO. A-4.4

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South/West View Rendering

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PROJECT

Mulgrave School - STEM Wing

2330 Cypress Bowl Lane
West Vancouver, BC

BUILDING CODE	VBBL 2024
ZONING	PA-1
DEVELOPMENT PERMIT #	
BUILDING PERMIT #	

DRAWING

South/West Rendering

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SCALE 1:100

PLOT DATE Feb 27, 2026

PROJECT NO. 2505

DRAWING NO. A-4.5

24x36 /Users/enigacz/Library/CloudStorage/Dropbox/Dropbox - Current Projects/2505 MULGRAVE STEM WING-2025/2505 VW DRAWINGS 2025/2505 MULGRAVE_Mar23_NEW SHARE WALL_2026.vwx



South/East View Rendering

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PROJECT

Mulgrave School - STEM Wing

2330 Cypress Bowl Lane
West Vancouver, BC

BUILDING CODE	VBBL 2024
ZONING	PA-1
DEVELOPMENT PERMIT #	
BUILDING PERMIT #	

DRAWING

South/East Rendering

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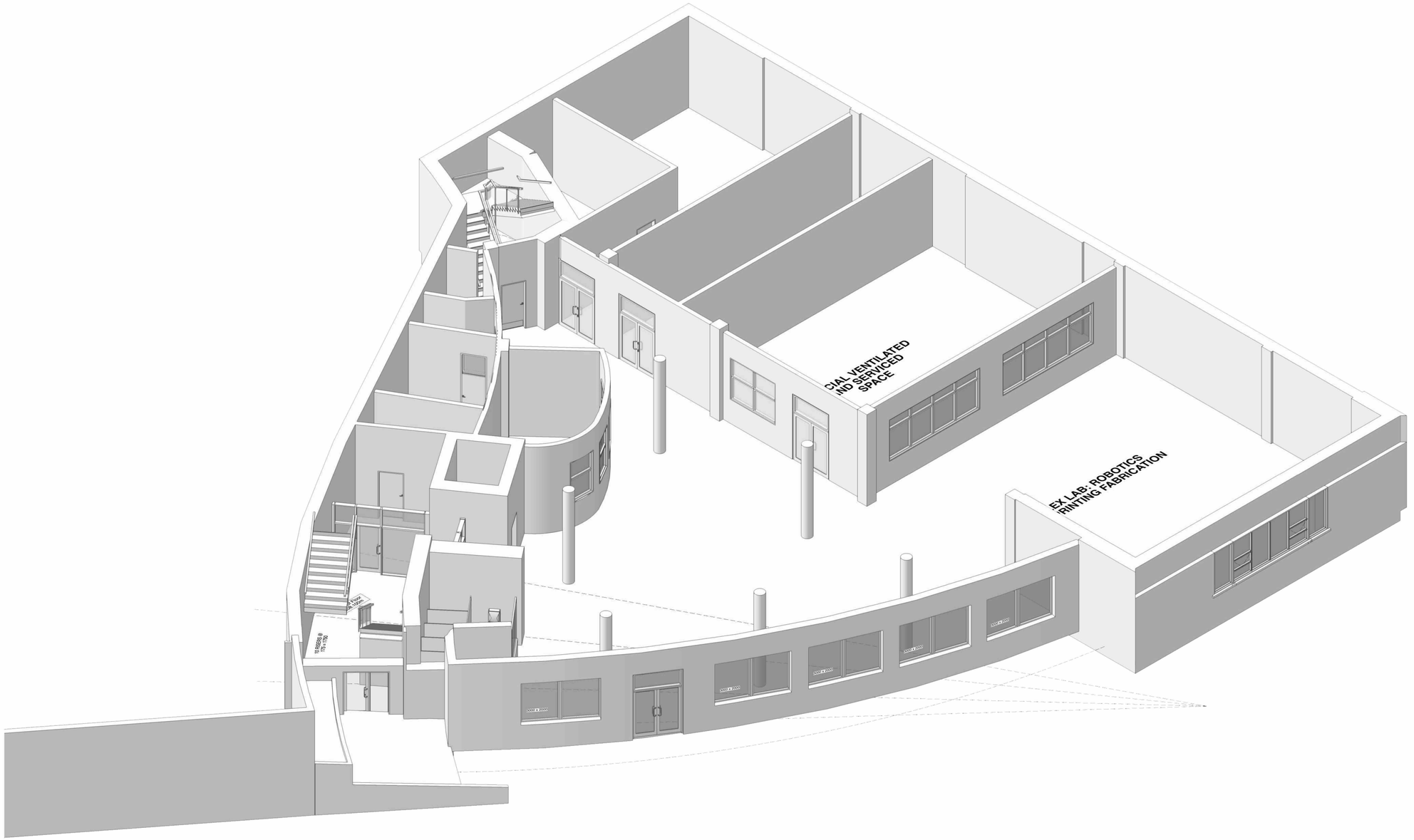
SCALE 1:100

PLOT DATE Feb 27, 2026

PROJECT NO. 2505

DRAWING NO. A-4.6

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Lower Floor - Axonometric View

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PROJECT

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2330 Cypress Bowl Lane
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DEVELOPMENT PERMIT #	
BUILDING PERMIT #	

DRAWING

Basement Floor- Axonometric View

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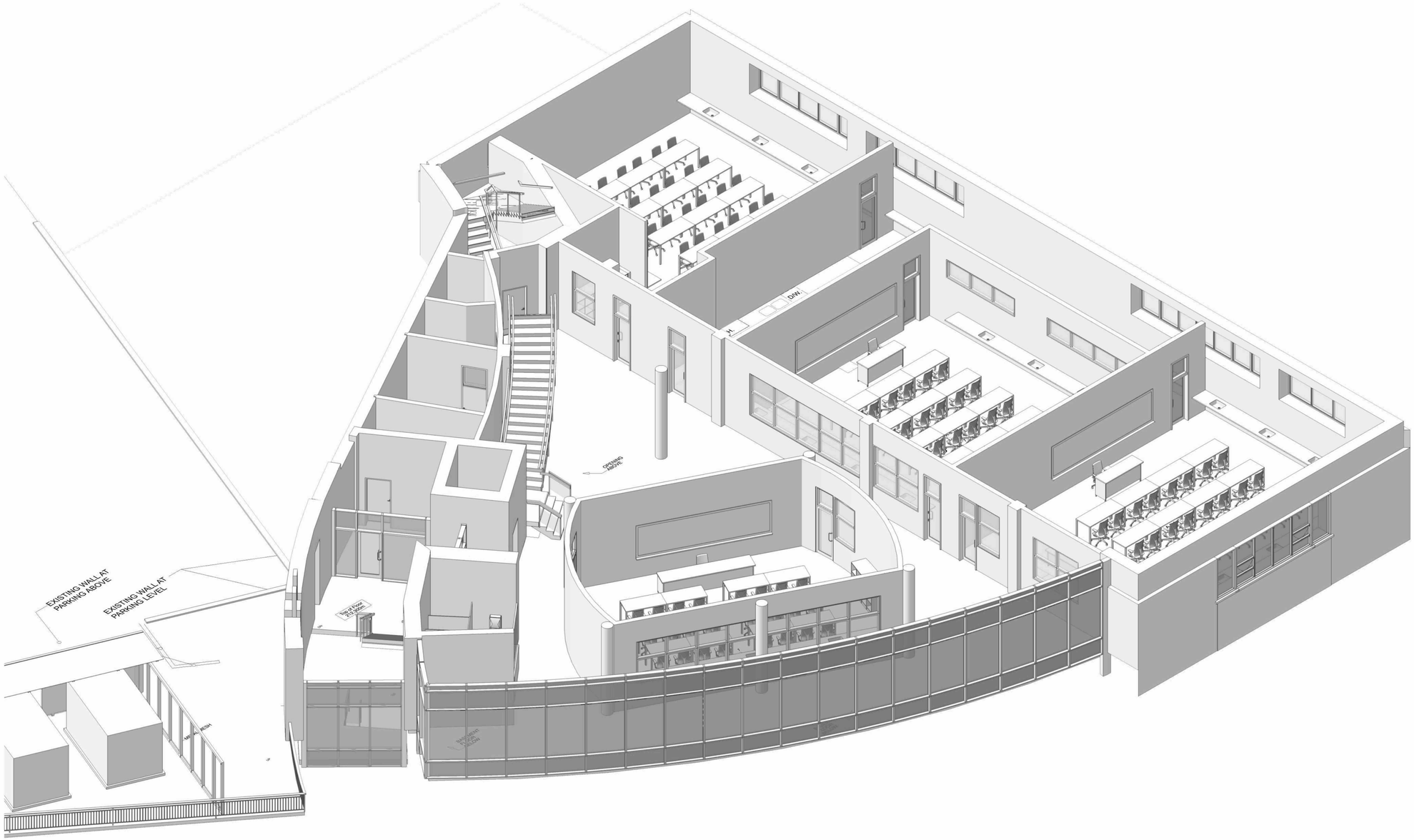
SCALE 1:200

PLOT DATE Mar 25, 2026

PROJECT NO. 2505

DRAWING NO. A-5.1

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Lower Floor - Axonometric View

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PROJECT

Mulgrave School - STEM Wing

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DEVELOPMENT PERMIT #	
BUILDING PERMIT #	

DRAWING

Lower Floor - Axonometric View

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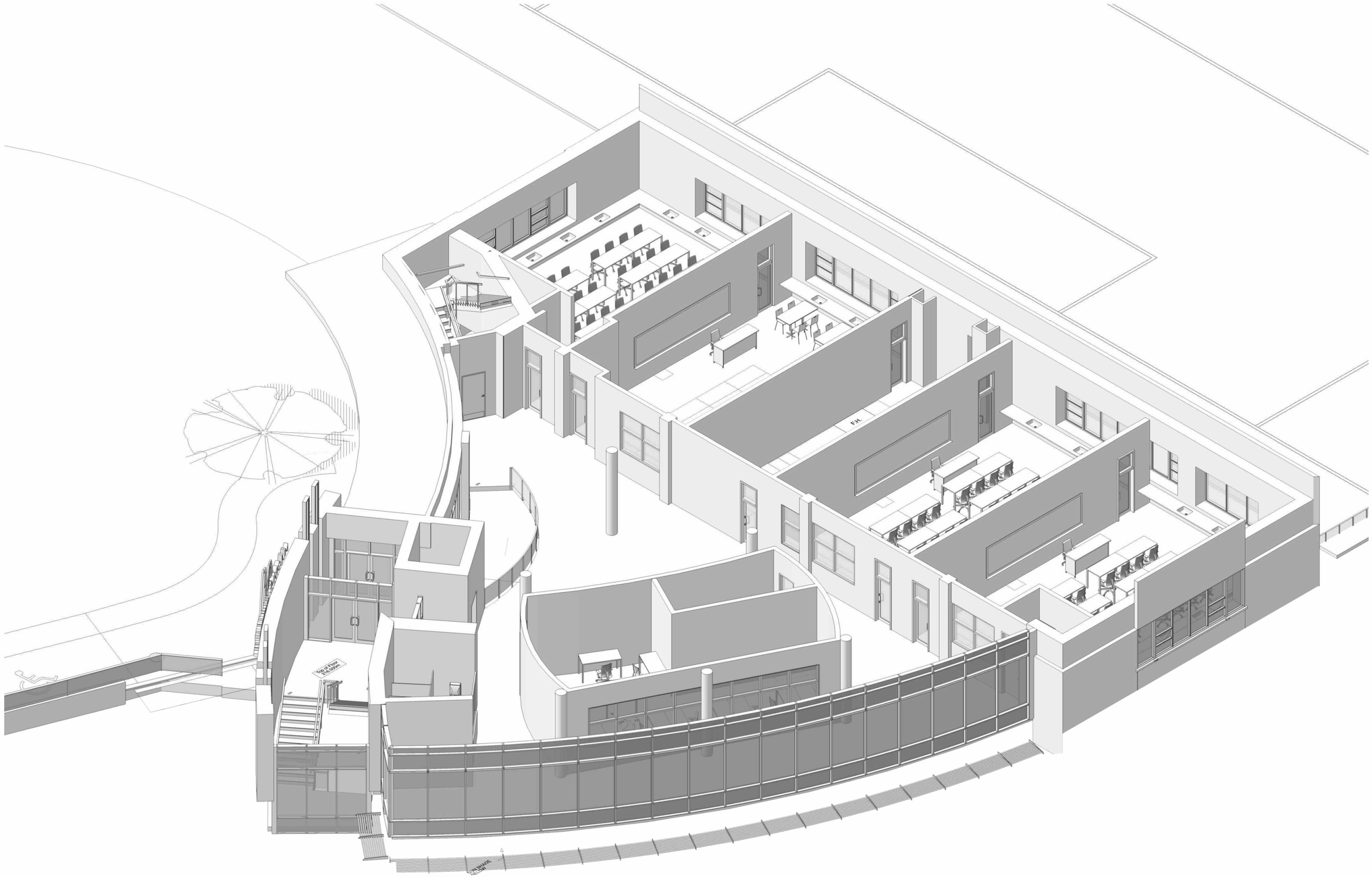
SCALE 1:100

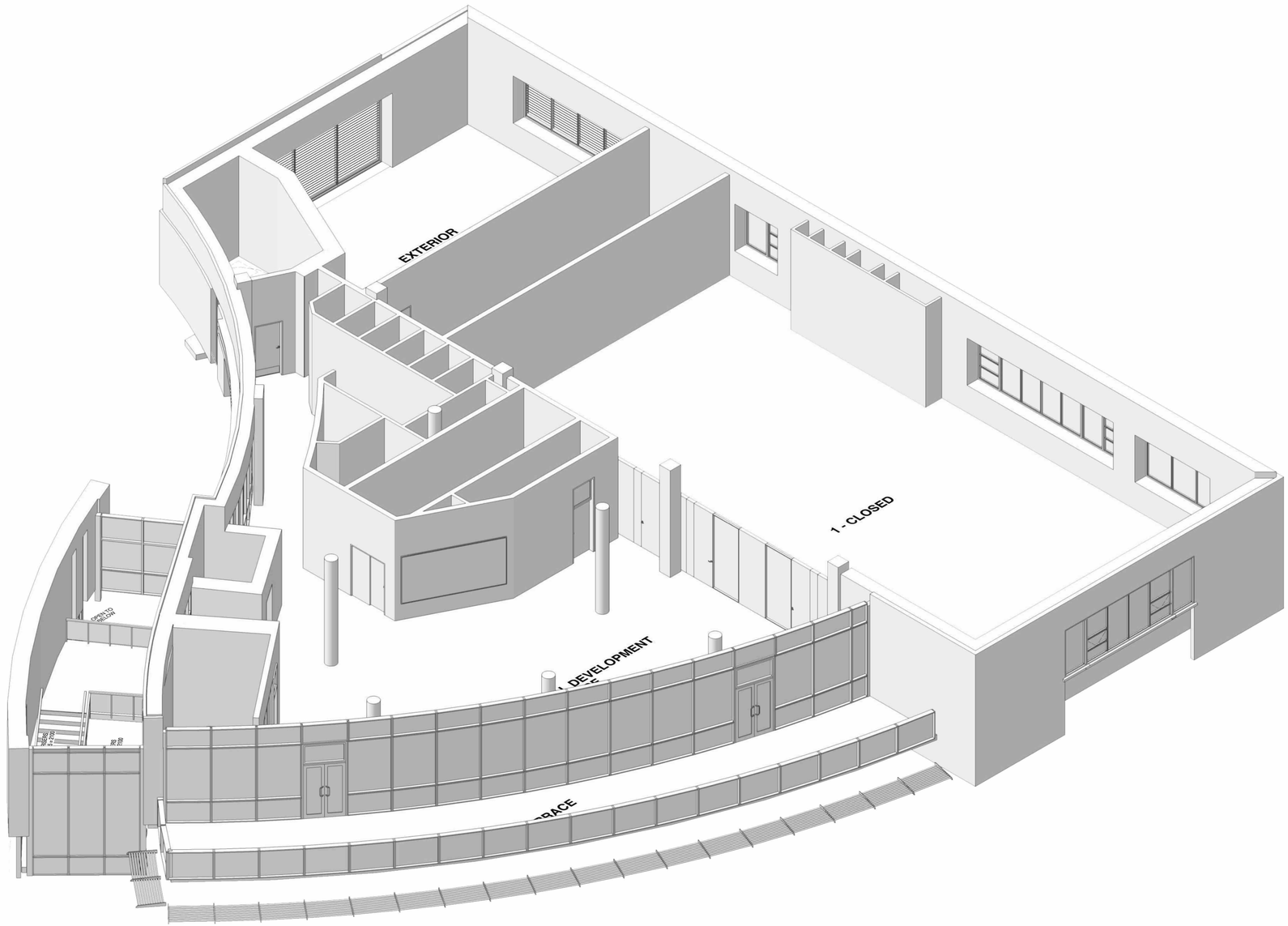
PLOT DATE Mar 25, 2026

PROJECT NO. 2505

DRAWING NO. A-5.2

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TOP OF ROOF
ELEV. 100.00m
UP
UP
UP



Upper Floor - Axonometric View

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PROJECT

Mulgrave School - STEM Wing

2330 Cypress Bowl Lane
West Vancouver, BC

BUILDING CODE	VBBL 2024
ZONING	PA-1
DEVELOPMENT PERMIT #	
BUILDING PERMIT #	

DRAWING

Upper Floor - Axonometric View

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SCALE 1:200

PLOT DATE Mar 25, 2026

PROJECT NO. 2505

DRAWING NO. A-5.4

24x36 /Users/enigeczi/Library/CloudStorage/Dropbox/Dropbox - Current Projects/2505 MULGRAVE STEM WING-2025/2505 VW DRAWINGS 2025/2505 MULGRAVE_Mar23_NEW SHARE WALL_2026.vwx

TREE SCHEDULE

PMG PROJECT NUMBER: 25-243

KEY	QTY	BOTANICAL NAME	COMMON NAME	PLANTED SIZE / REMARKS
TREE				
	4	ACER GLABRUM VAR. DOUGLASII	DOUGLAS MAPLE	6CM CAL; B&B
	2	AMELANCHIER x GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	6CM CAL; 1.2M STD; B&B
	1	ARBUTUS x 'MARINA'	MARINA STRAWBERRY TREE	6CM CAL; LOW STD; B&B

NOTES: * PLANT SIZES IN THIS LIST ARE SPECIFIED ACCORDING TO THE BC LANDSCAPE STANDARD AND CANADIAN LANDSCAPE STANDARD, LATEST EDITION. CONTAINER SIZES SPECIFIED AS PER CNLA STANDARD. BOTH PLANT SIZE AND CONTAINER SIZE ARE THE MINIMUM ACCEPTABLE SIZES. * REFER TO SPECIFICATIONS FOR DEFINED CONTAINER MEASUREMENTS AND OTHER PLANT MATERIAL REQUIREMENTS. * SEARCH AND REVIEW: MAKE PLANT MATERIAL AVAILABLE FOR OPTIONAL REVIEW BY LANDSCAPE ARCHITECT AT SOURCE OF SUPPLY. AREA OF SEARCH TO INCLUDE LOWER MAINLAND AND FRASER VALLEY. * SUBSTITUTIONS: OBTAIN WRITTEN APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO MAKING ANY SUBSTITUTIONS TO THE SPECIFIED MATERIAL. UNAPPROVED SUBSTITUTIONS WILL BE REJECTED. ALLOW A MINIMUM OF FIVE DAYS PRIOR TO DELIVERY FOR REQUEST TO SUBSTITUTE. SUBSTITUTIONS ARE SUBJECT TO BC LANDSCAPE STANDARD AND CANADIAN LANDSCAPE STANDARD - DEFINITION OF CONDITIONS OF AVAILABILITY. * ALL LANDSCAPE MATERIAL AND WORKMANSHIP MUST MEET OR EXCEED BC LANDSCAPE STANDARD AND CANADIAN LANDSCAPE STANDARD LATEST EDITION. * ALL PLANT MATERIAL MUST BE PROVIDED FROM CERTIFIED DISEASE FREE NURSERY. * BIO-SOLIDS NOT PERMITTED IN GROWING MEDIUM UNLESS AUTHORIZED BY LANDSCAPE ARCHITECT.

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SEAL:

NO.	DATE	REVISION DESCRIPTION	DR.
1	25.FEB.09	ARCH. COORDINATION	CW/CJ

CLIENT:

PROJECT:

MULGRAVE SCHOOL STEM ADDITION

2330 CYPRESS BOWL LANE WEST VANCOUVER, BC

DRAWING TITLE:

OVERALL LANDSCAPE CONCEPT PLAN

DATE:	2025.FEB.06	DRAWING NUMBER:
SCALE:	1/32" = 1'-0"	**L1**
DRAWN:	CJ	
DESIGN:	CJ	
CHK'D:	CW	**OF 3**

PMG PROJECT NUMBER: **25-243**

25243-2.ZIP



25243-2.ZIP

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p: 604 294-0011 ; f: 604 294-0022

SEAL:

NO.	DATE	REVISION DESCRIPTION	DR.
1	25.FEB.09	ARCH. COORDINATION	CW/CJ

CLIENT:

PROJECT:

MULGRAVE SCHOOL STEM ADDITION

2330 CYPRESS BOWL LANE WEST VANCOUVER, BC

DRAWING TITLE:

STEM BUILDING LANDSCAPE PLAN

DATE:	2025.FEB.06
SCALE:	3/32" = 1'-0"
DRAWN:	CJ
DESIGN:	CJ
CHK'D:	CW

DRAWING NUMBER: **L2** **OF 3**

PMG PROJECT NUMBER: **25-243**



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SEAL:

NO.	DATE	REVISION DESCRIPTION	DR.
1	25.FEB.09	ARCH. COORDINATION	CW/CJ

CLIENT:

PROJECT:

MULGRAVE SCHOOL STEM ADDITION

2330 CYPRESS BOWL LANE WEST VANCOUVER, BC

DRAWING TITLE:

LANDSCAPE GRADING PLAN

DATE:	2025.FEB.06	DRAWING NUMBER:
SCALE:	3/32" = 1'-0"	**L3**
DRAWN:	CJ	
DESIGN:	CJ	
CHK'D:	CW	**OF 3**

PMG PROJECT NUMBER: **25-243**

25243-2.ZIP