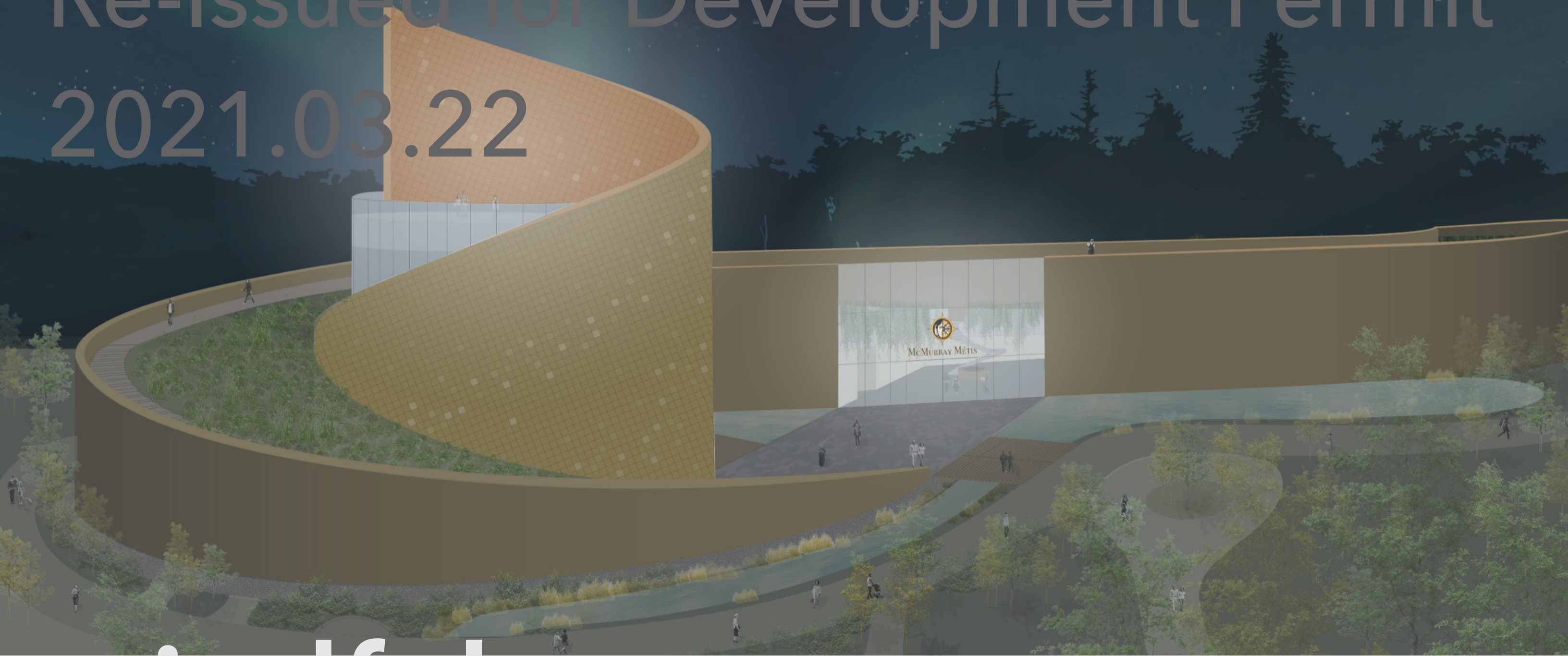


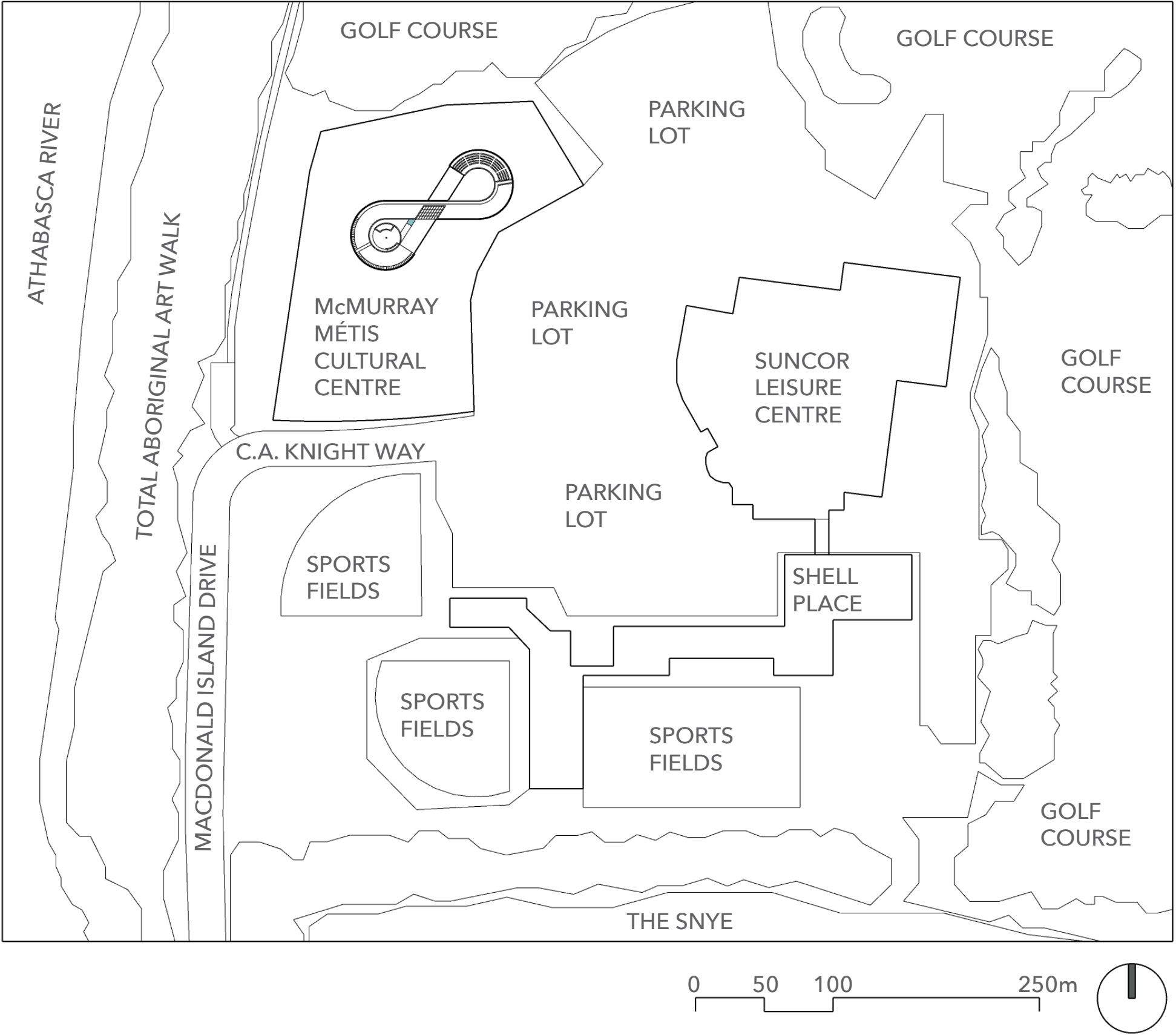
McMurray Métis Cultural Centre Re-Issued for Development Permit 2021.03.22

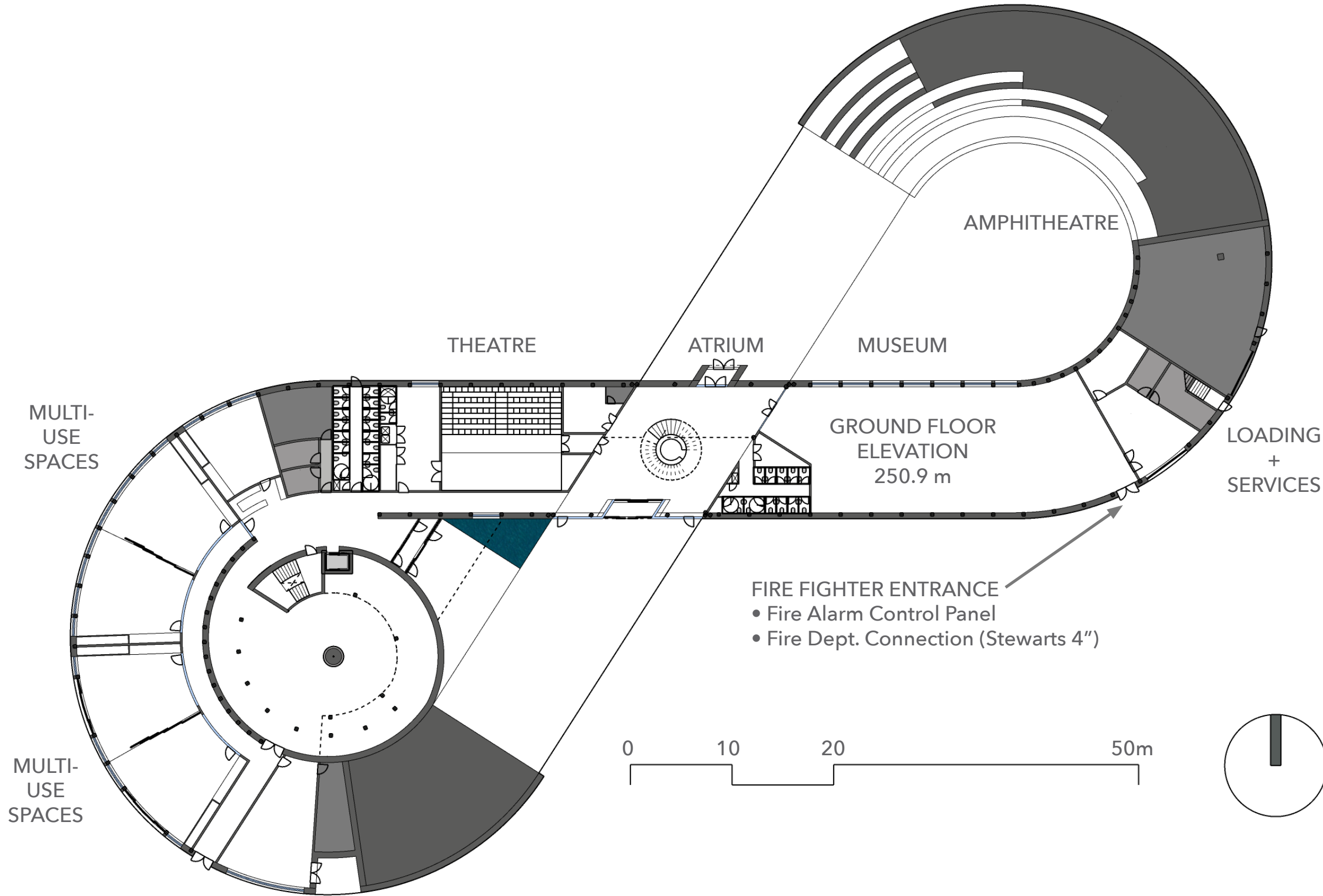


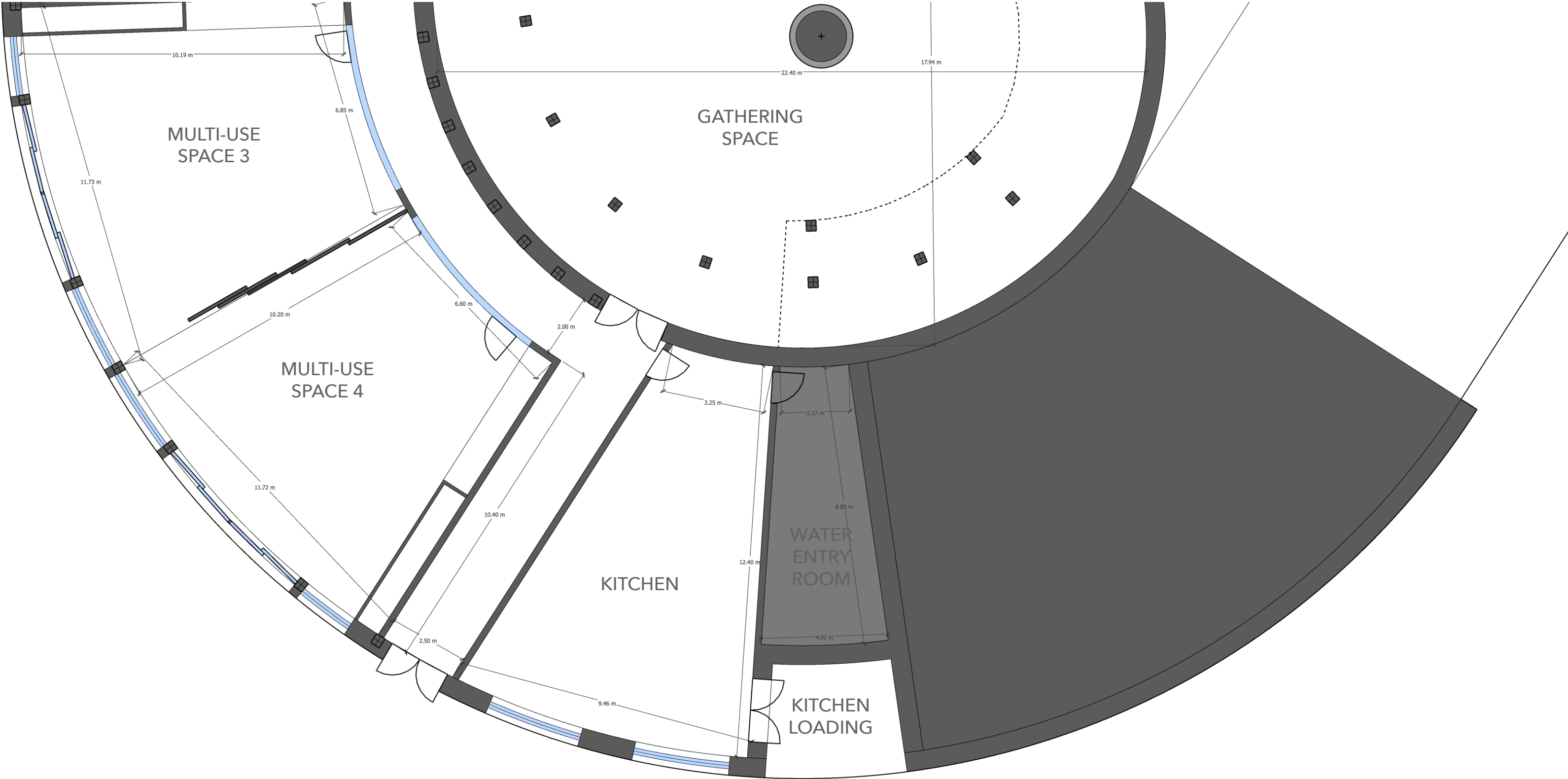
	Net Floor Area (sq.m.)	Net Floor Area (sq.ft.)
		10.7639
Level 1		
Community Vestibule	8.48	91
Community Lobby	78.55	846
Tower Stair	21.90	236
Elevator Shaft	4.39	47
Corridor to Atrium	36.32	391
Washroom Block 1 (including janitor)	42.00	452
Service Corridor	5.50	59
HRV Room H1-1	32.53	350
Comms Room C1-1	10.01	108
Electrical Room E1-1	8.28	89
Community Reception	6.02	65
Wellness Space	51.41	553
Wellness Sink + Storage	6.73	72
Community Corridor	83.78	902
Multi-Use Space 1	86.39	930
Multi-Use Space 1 - sink + storage	8.58	92
Multi-Use Space 2	86.39	930
Multi-Use Space 2 - sink + storage	8.58	92
Multi-Use Space 3	86.39	930
Multi-Use Space 3 - sink + storage	8.58	92
Multi-Use Space 4	86.39	930
Multi-Use Space 4 - sink + storage	8.58	92
Commercial Kitchen (Loading Outdoors)	79.40	855
Circular Gathering Space	334.47	3,600
Water Entry	27.47	296
Green Room	43.45	468
Green Room Laundry	3.09	33
Green Room Change Room	3.82	41
Green Room Washroom	1.58	17
Green Room Storage	6.84	74
Theatre Seating	76.70	826
Theatre Stage	43.66	470
Theatre Vestibule	6.39	69
Theatre support/storage	6.13	66
Atrium Mech Space 1	3.57	38
Atrium Support Space / First Aid Room	21.25	229
Atrium	175.21	1,886
Atrium Vestibule South	6.61	71
Atrium Vestibule North	4.58	49
Washroom Block 2 (including janitor)	38.34	413
Museum	389.95	4,197
Museum Support Space 1	10.14	109
Museum Support Space 2	23.25	250
Comm Room C1-M	9.80	105
Elec Room E1-M	19.14	206
Loading Dock	46.79	504
Biomass Boiler and Storage	163.70	1,762
Total Level 1	2,321	24,984

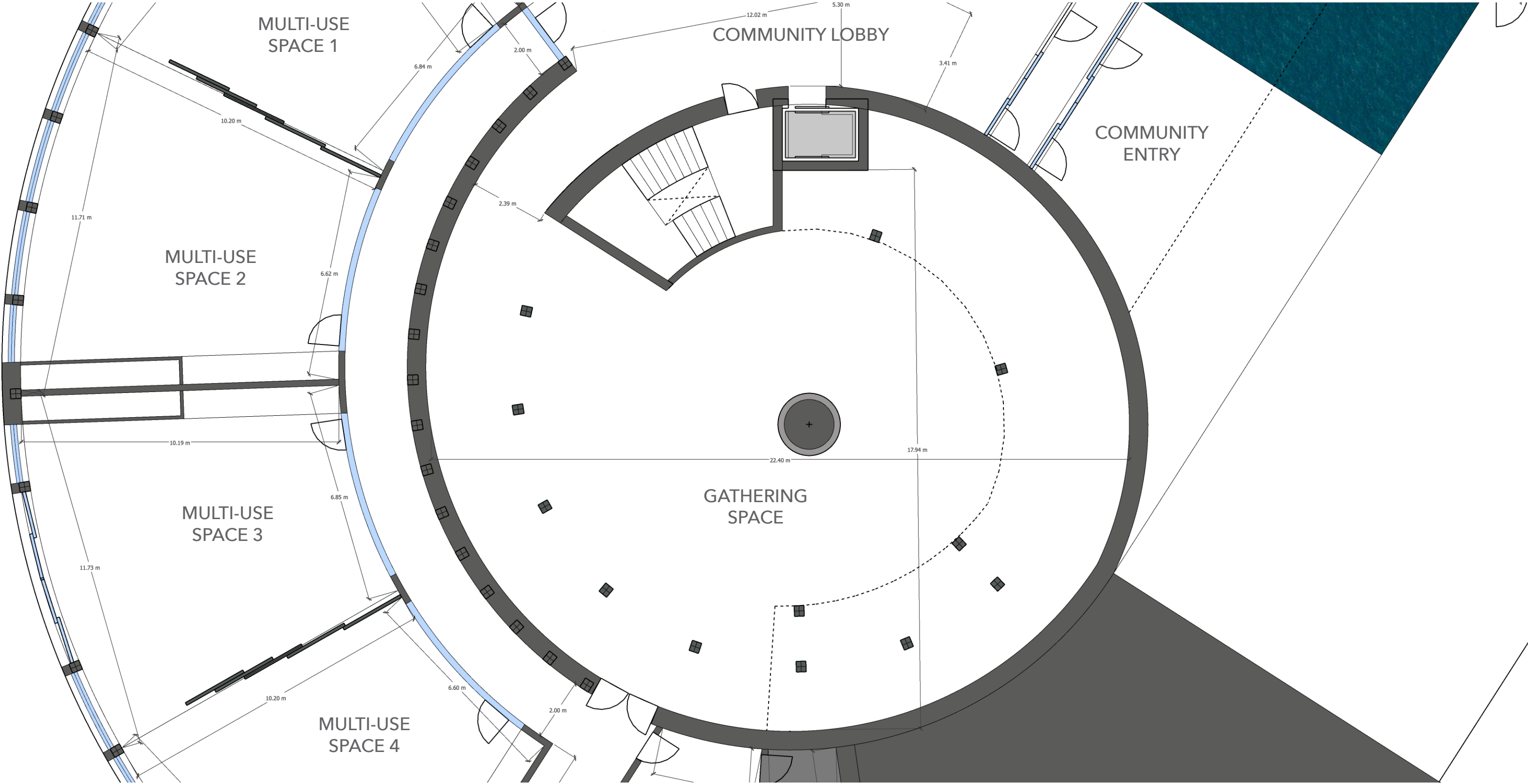
	Net Floor Area (sq.m.)	Net Floor Area (sq.ft.)
Level 2		
Tower Stair	22.20	239
Elevator Shaft	4.39	47
Mezzanine for Circular Gathering Space	100.34	1,080
MML Lobby + bridge	53.82	579
Washroom Block 3 (including change room + janitor + corridor)	21.17	228
HRV Room H2-1	108.56	1,169
Board Room 24 West	85.09	916
MML Office Suite	266.86	2,872
Comms Room C2-1	11.16	120
Electrical Room E2-1	8.84	95
Mech Riser Closet	2.49	27
Board Room 12 West	34.51	371
Corridor West Side	32.93	354
Atrium Kitchen / Co-Working	154.97	1,668
Corridor East Side	66.98	721
IMC Office Suite	87.00	936
Rental Office Suite	98.53	1,061
Board Room 12 East	34.61	373
Washroom Block 4 (including janitor)	11.66	126
Class A Museum Support Space + Resource Centre	81.87	881
HRV Room H2-M	52.88	569
Comms Room C2-M	10.81	116
Electrical Room E2-M	13.82	149
East Exit Stair	19.70	212
Total Level 2	1,385	14,910
Open to Below Spaces		
Community Lobby	28.92	311
Tower Level 2	231.52	2,492
Tower Level 3	334.35	3,599
Atrium	108.96	1,173
Biomass Storage	50.44	543
Biomass Boiler	91.99	990
Total Open to Below	754.19	8,118
Terrace Level		
Tower Stair	22.21	239
Elevator Shaft	4.39	47
Elevator Lobby	15.51	167
Radial Exit Stair	10	108
Total Terrace Level	52	561
TOTAL ENCLOSED SPACE	3,758	48,573
Outdoor View Terrace	228.60	2,461

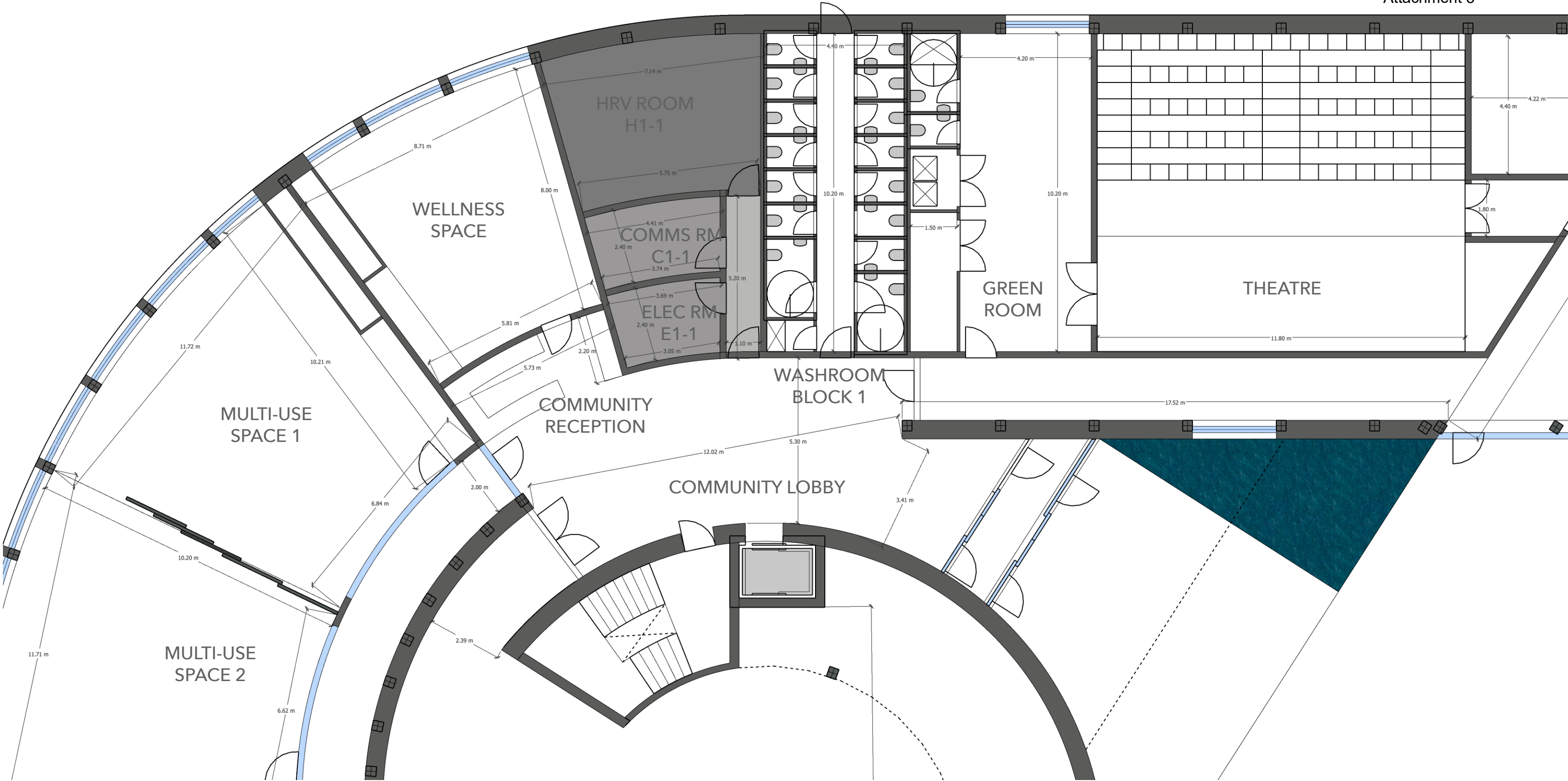
Land Use per 131.5	Parking Spaces	per sq. meters GFA	Spaces Included	Floor Area	Required Spaces
Conference Rooms, Ballrooms, Banquet Halls	10	100	Circular Gathering Space + Mezzanine + Kitchen(Terrace used concurrently by same group)	514.21	51.4
library	2.2	100	museum, art gallery, WC + museum support	627.71	13.8
offices	2.8	100	level 2 office suites	948.13	26.5
health spa/sports club	4.7	100	community wing + green room + museum support	825.34	38.8
theatre	0.3	per seat	75	seats =	22.5
TOTAL Parking Spaces					153.1
					154
HC Spaces					
restaurant	0.28	100	Circular Gathering Space + Mezzanine + Kitchen(Terrace used concurrently by same group)	514.21	1.4
restaurant	0.28	100	museum, art gallery, WC + museum support	627.71	1.8
offices	0.02	100	level 2 office suites	948.13	0.2
offices	0.02	100	community wing + green room + museum support	825.34	0.2
TOTAL HC Spaces					3.6
					4
loading					
public buildings	1	9000			1.0
TOTAL Loading Spaces					1

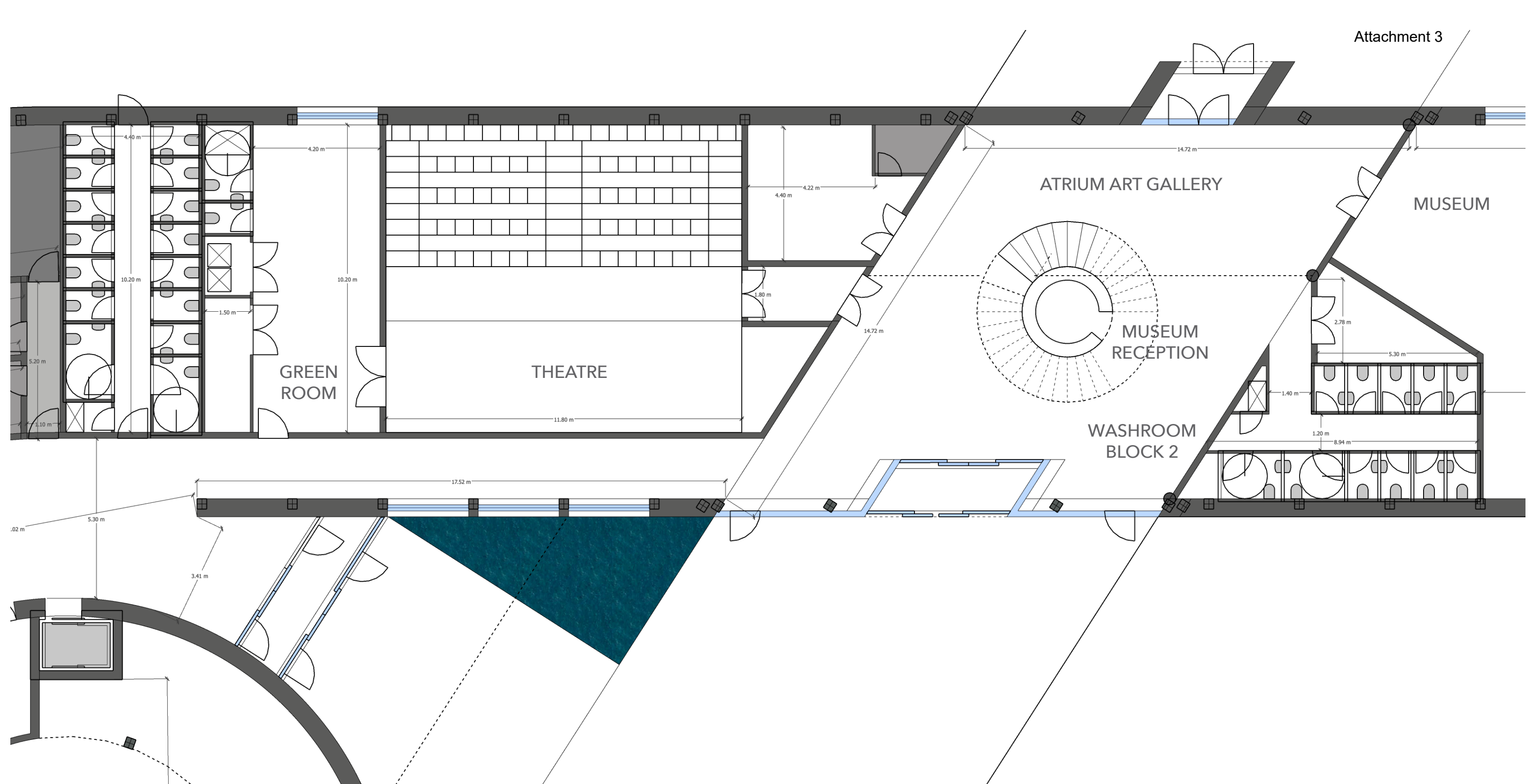


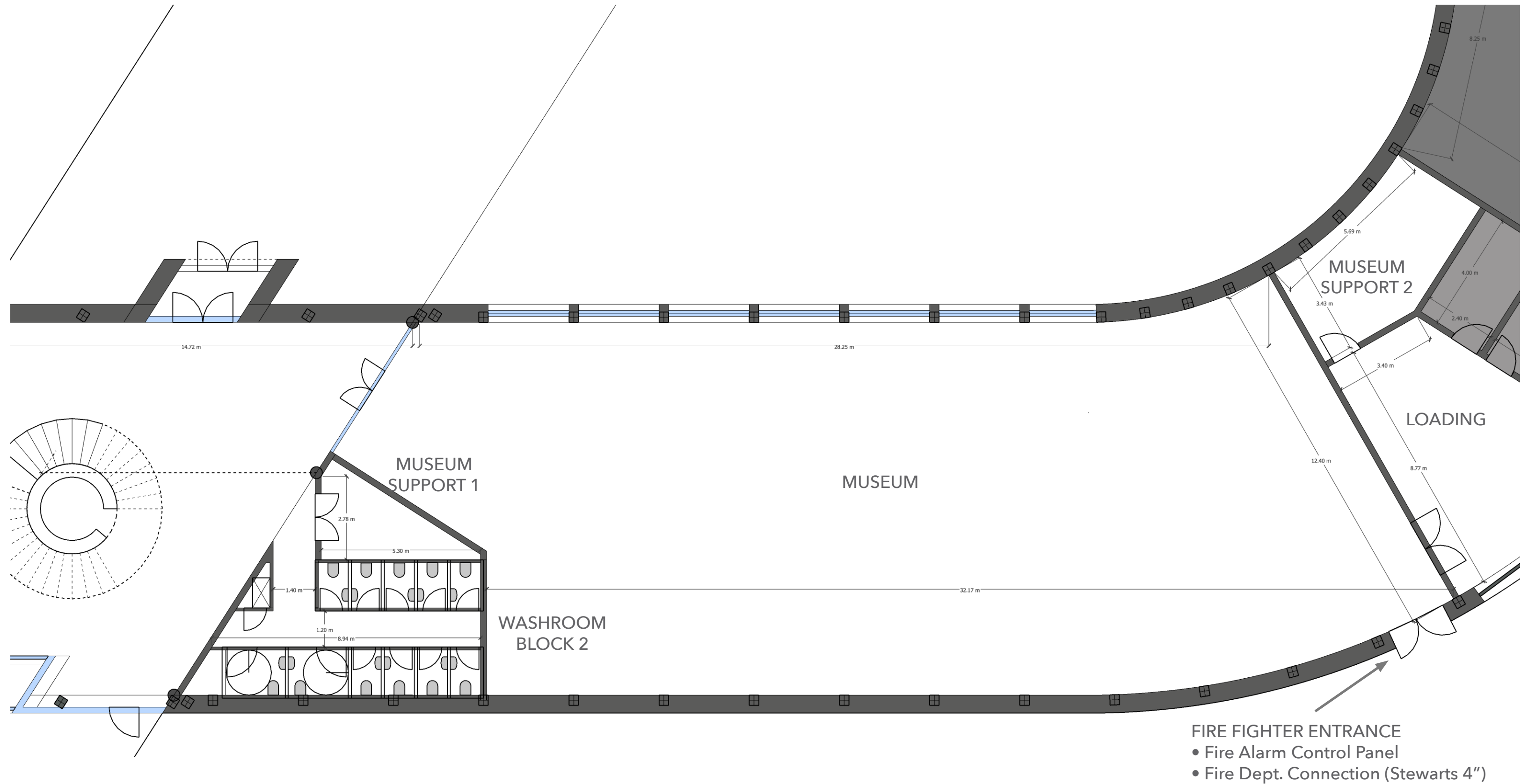


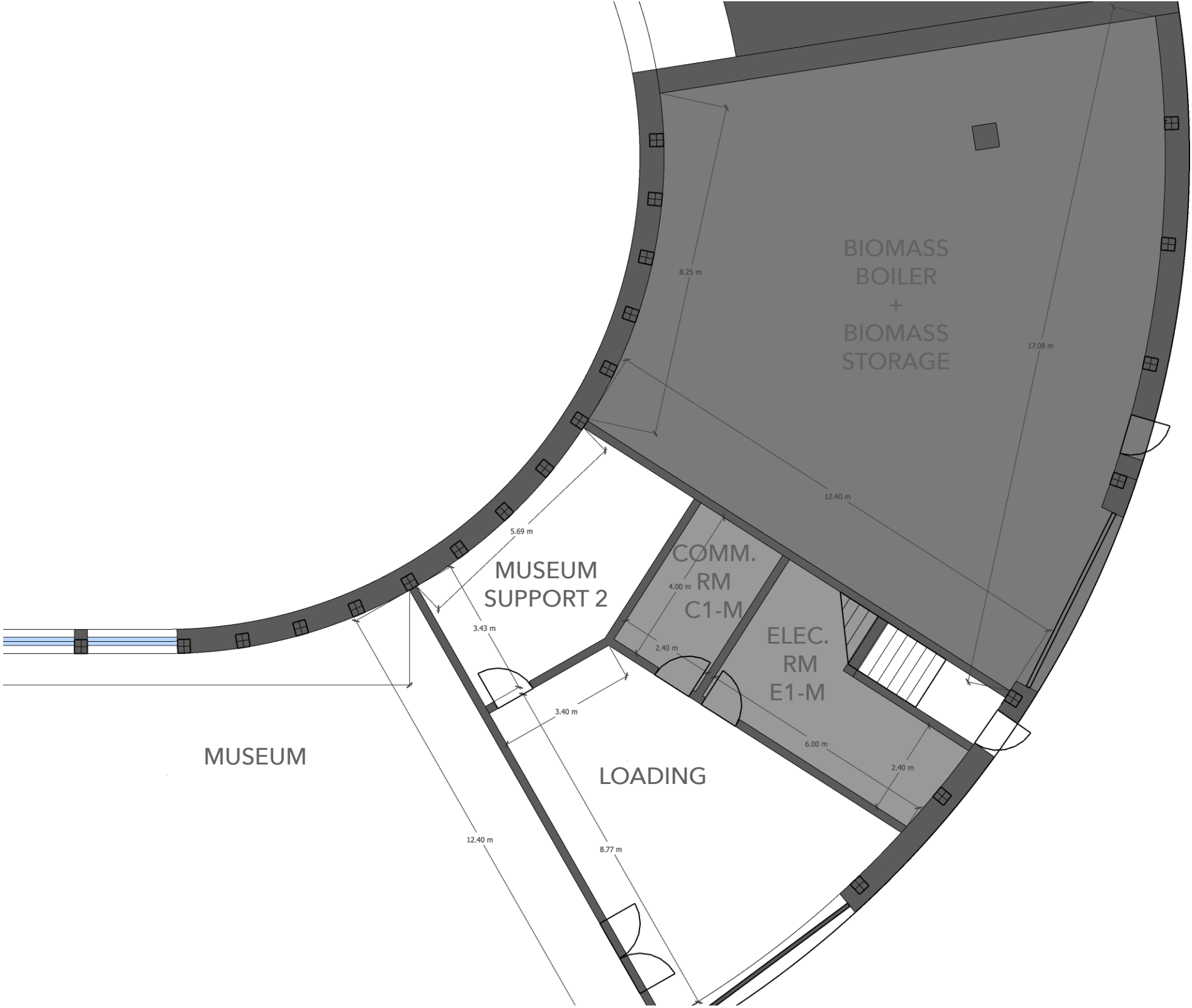


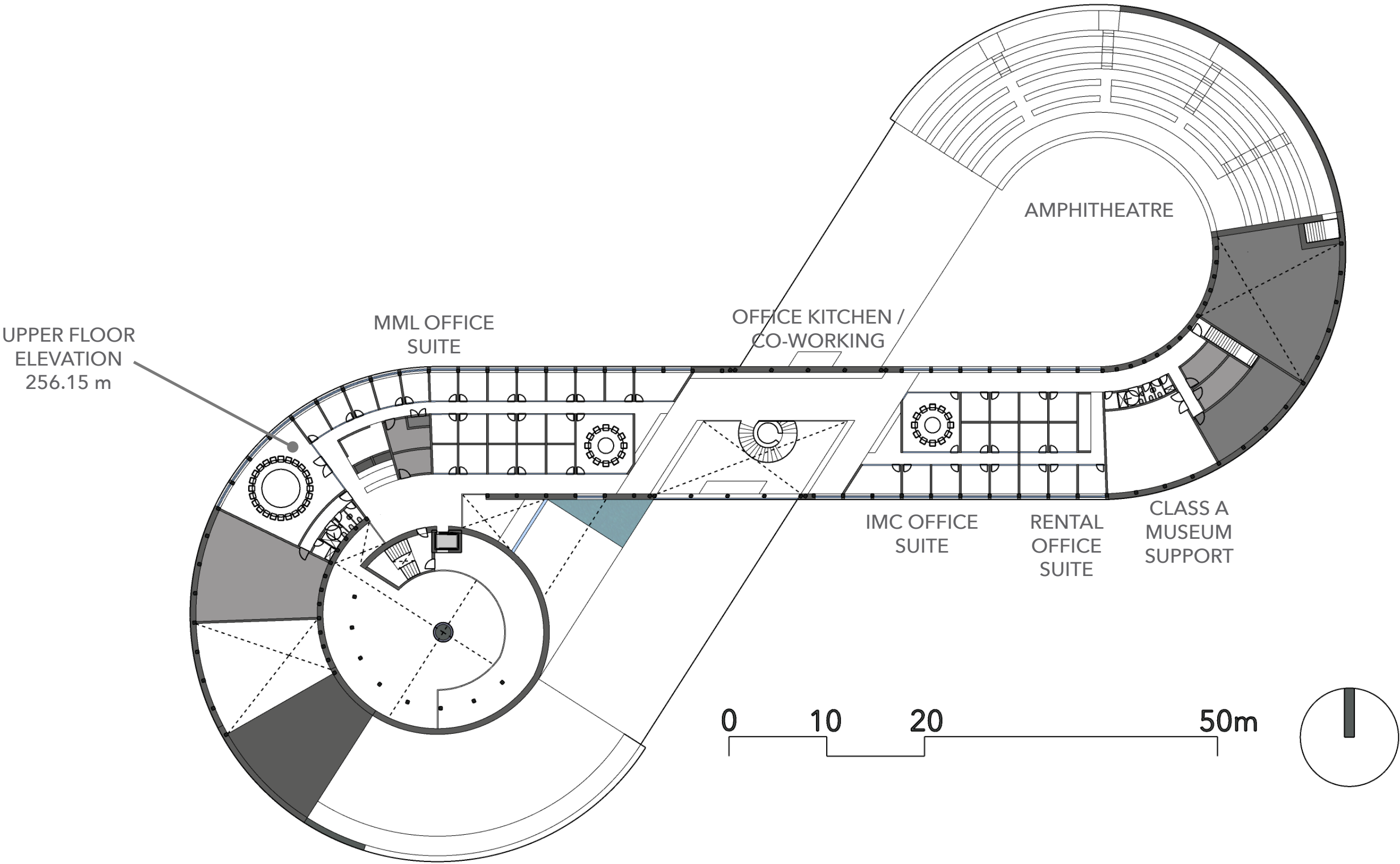


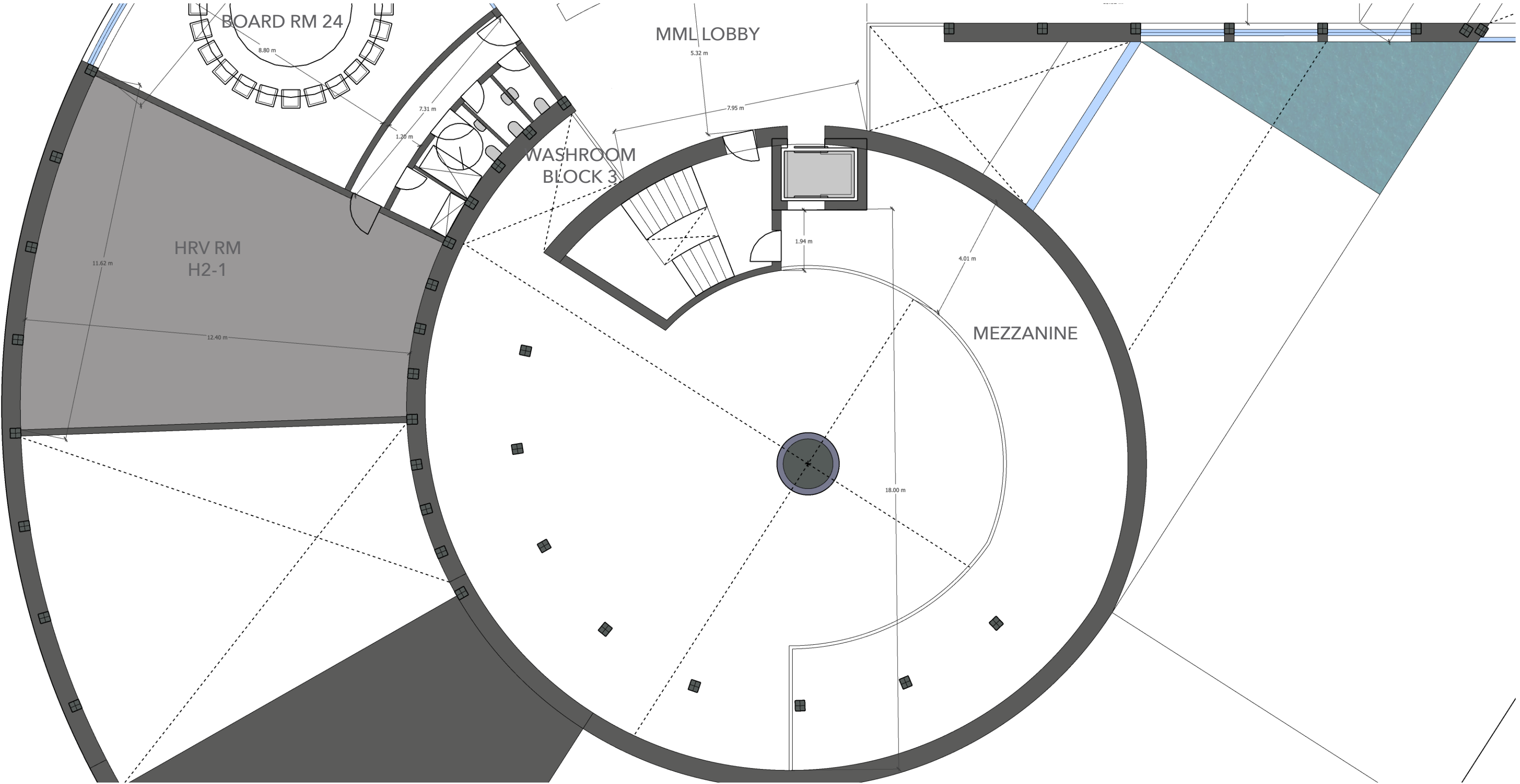




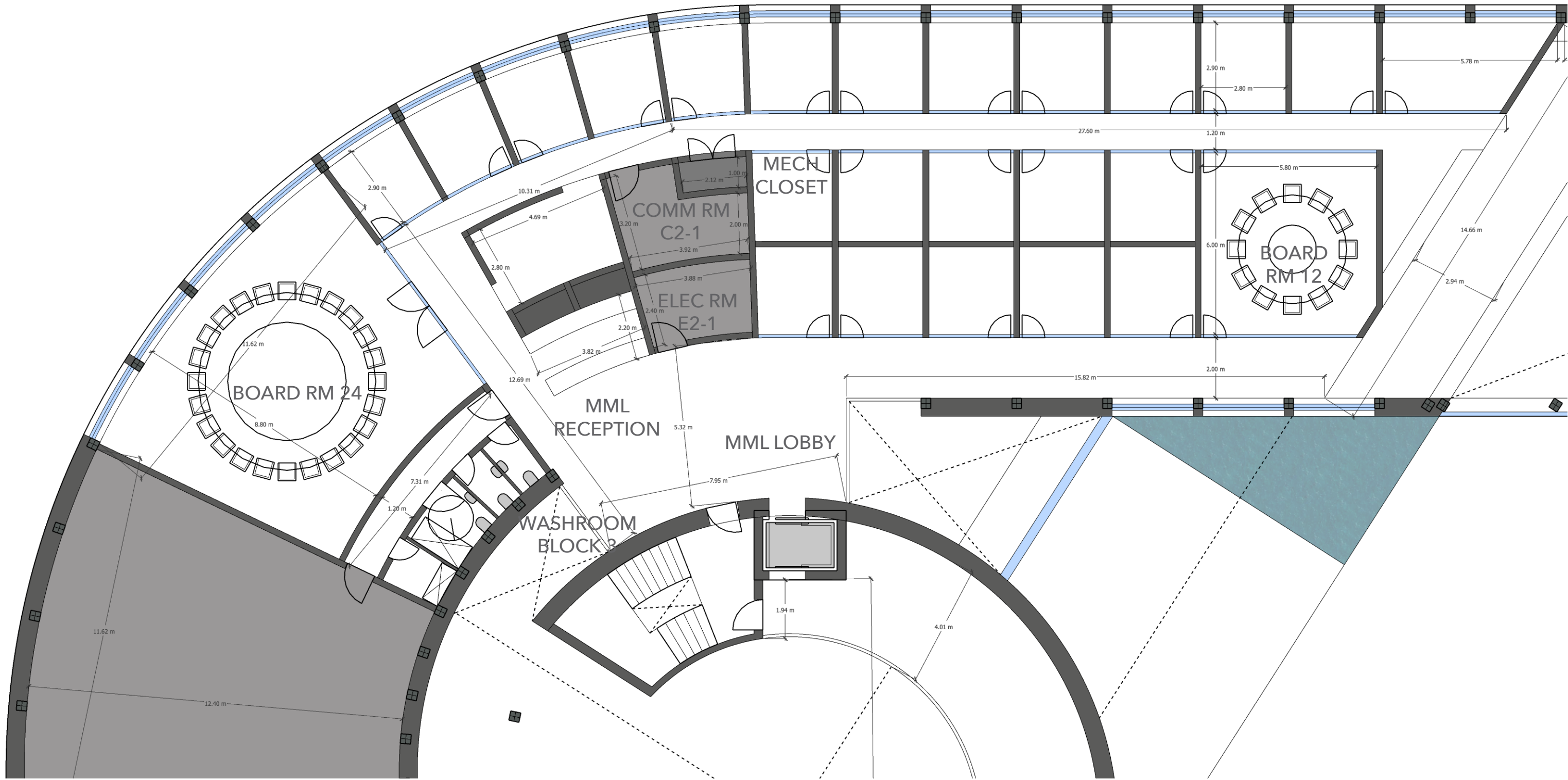


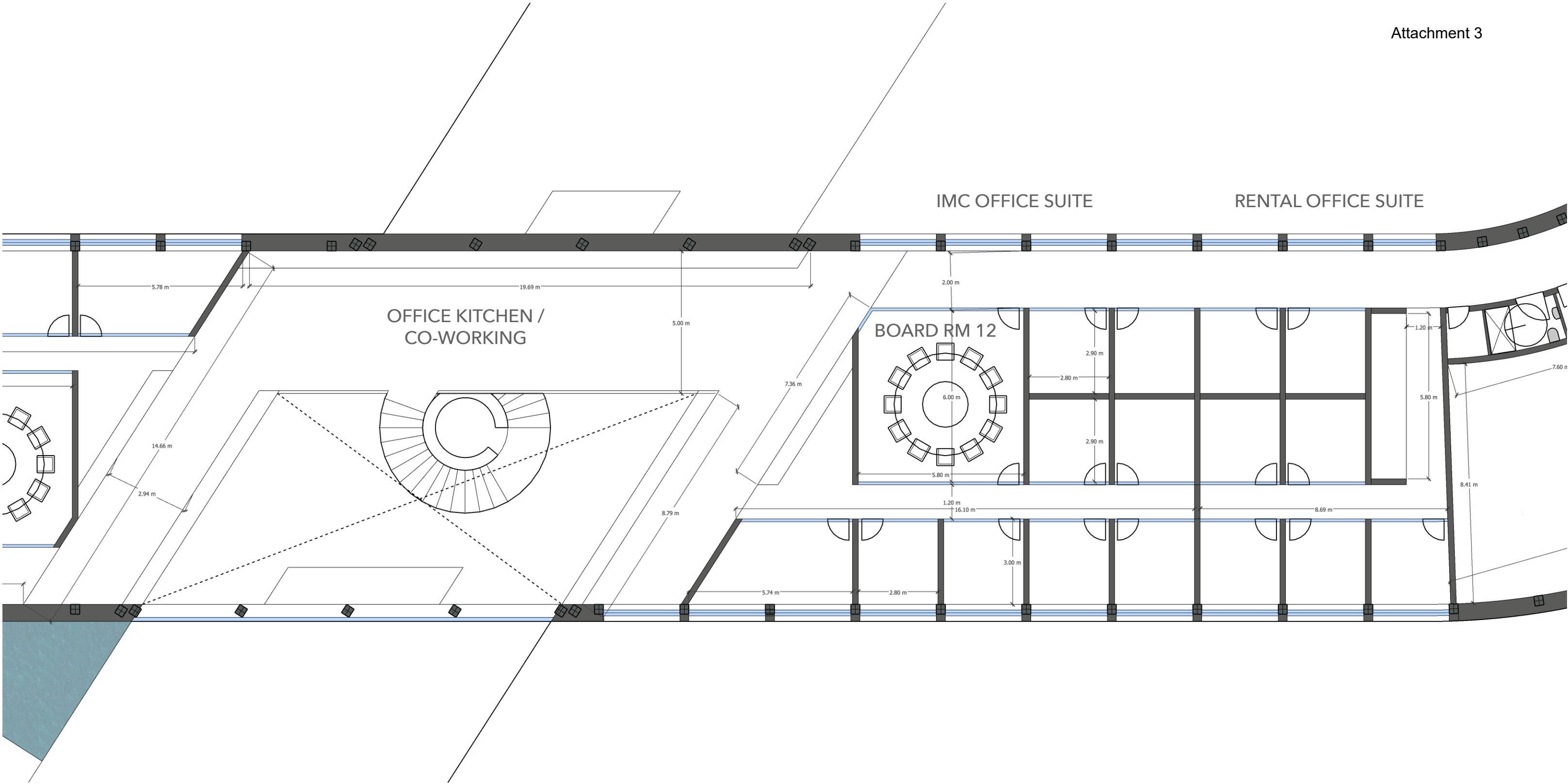


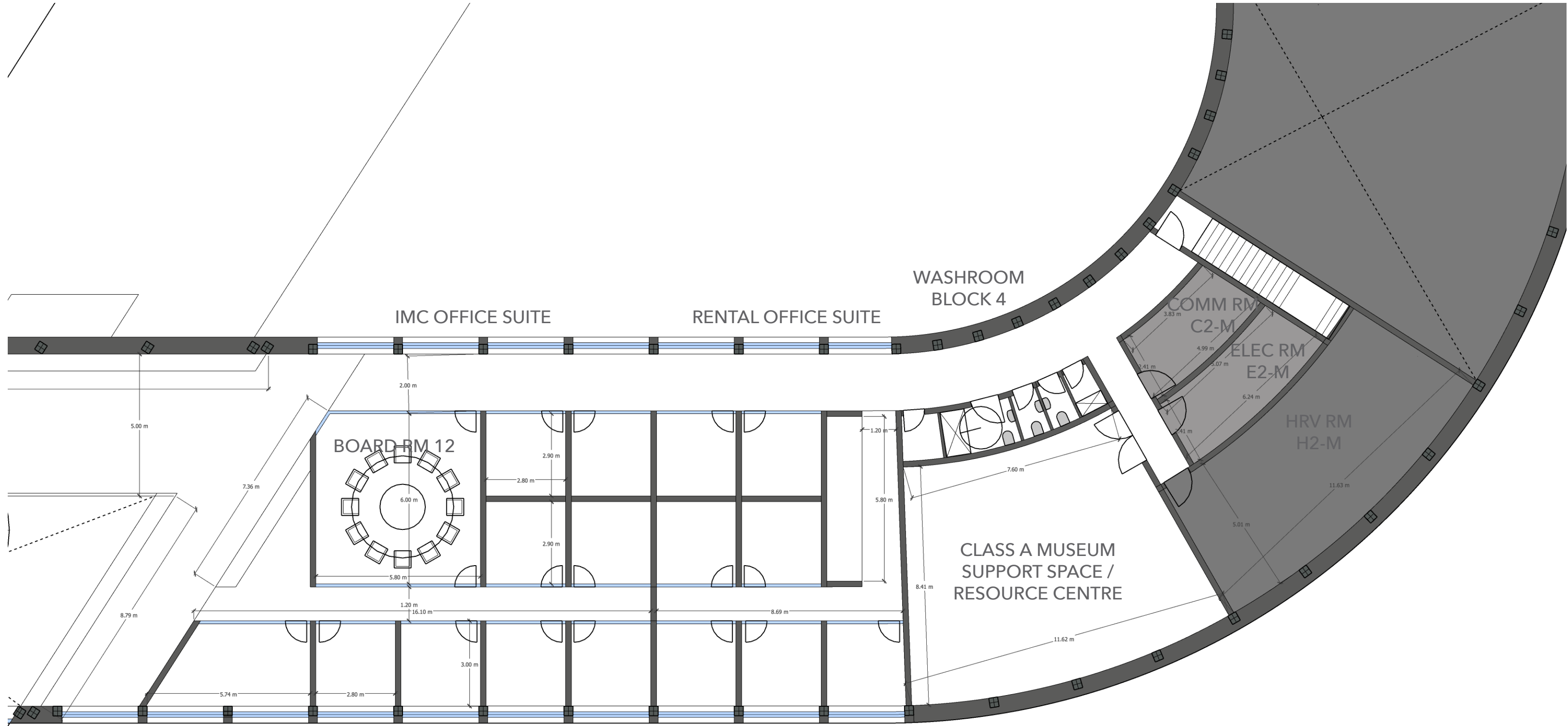


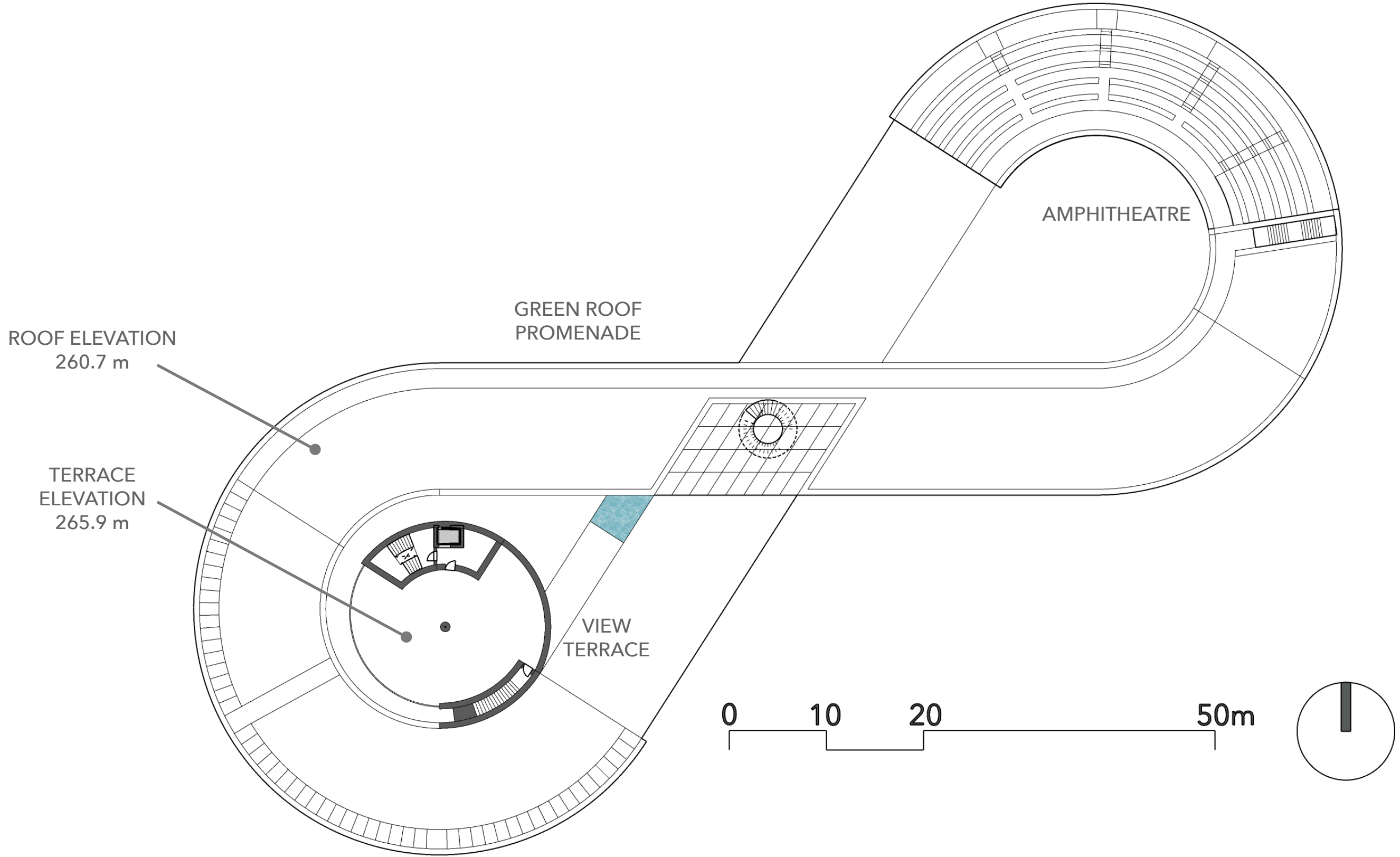


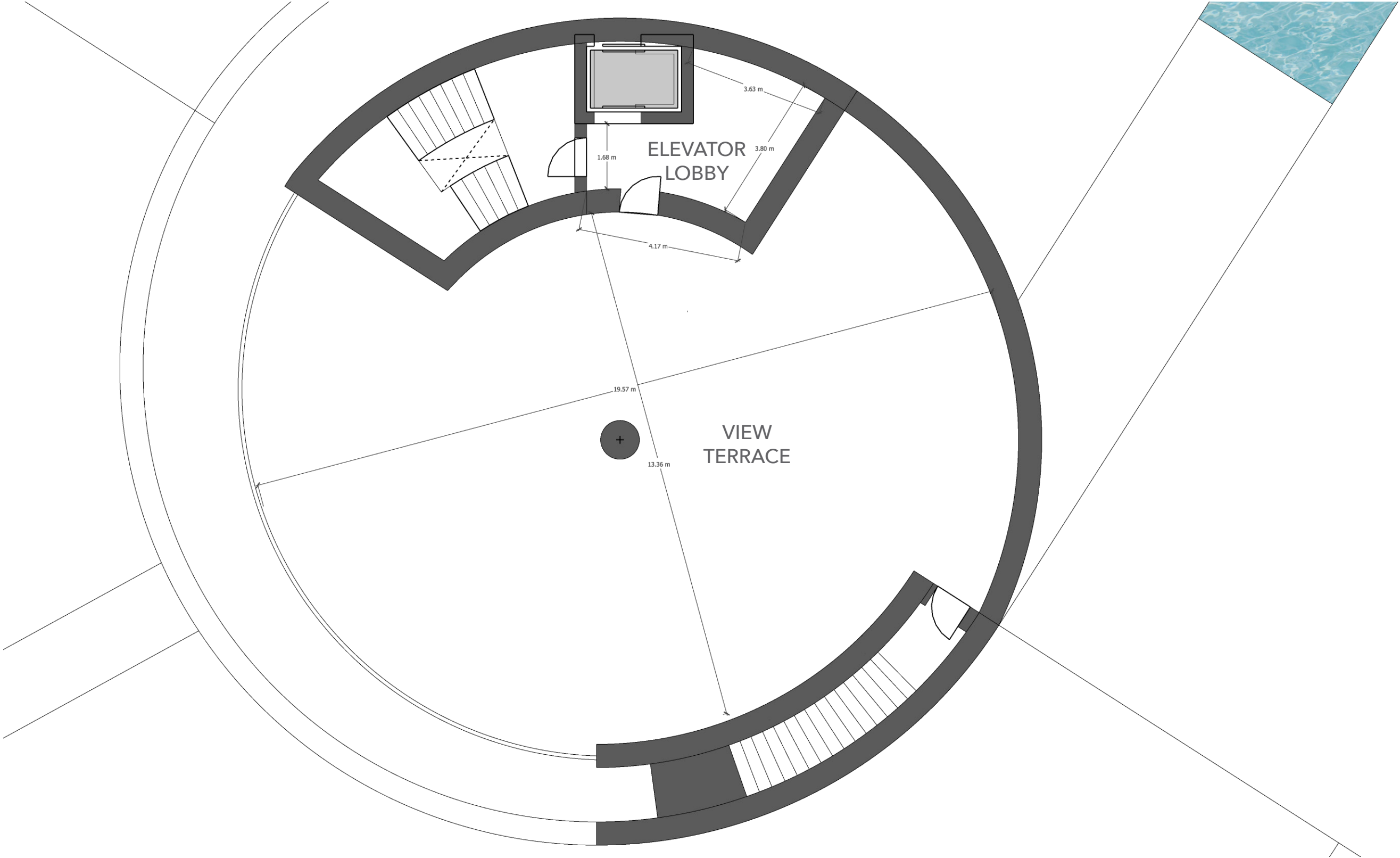
MML OFFICE SUITE

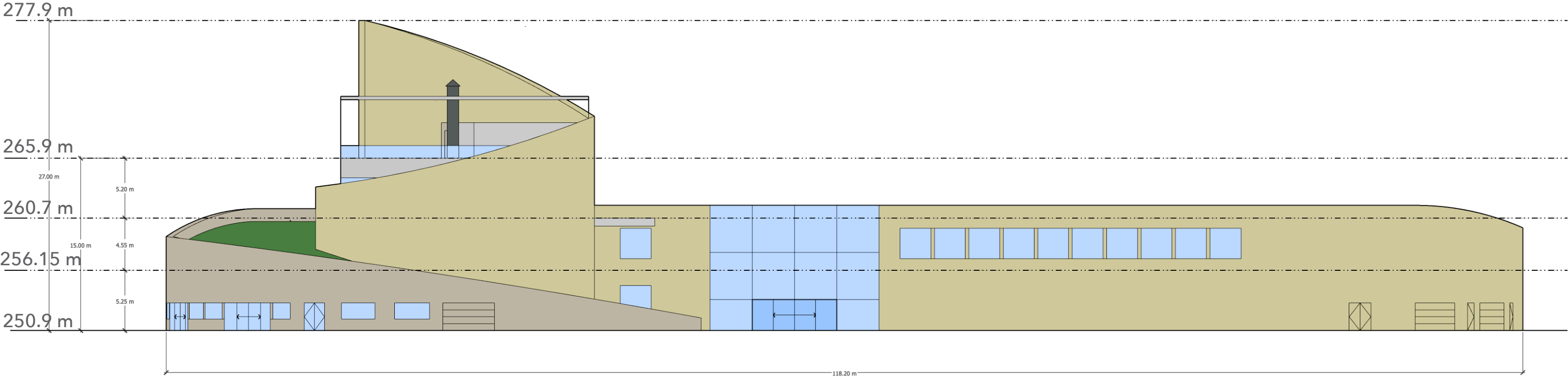


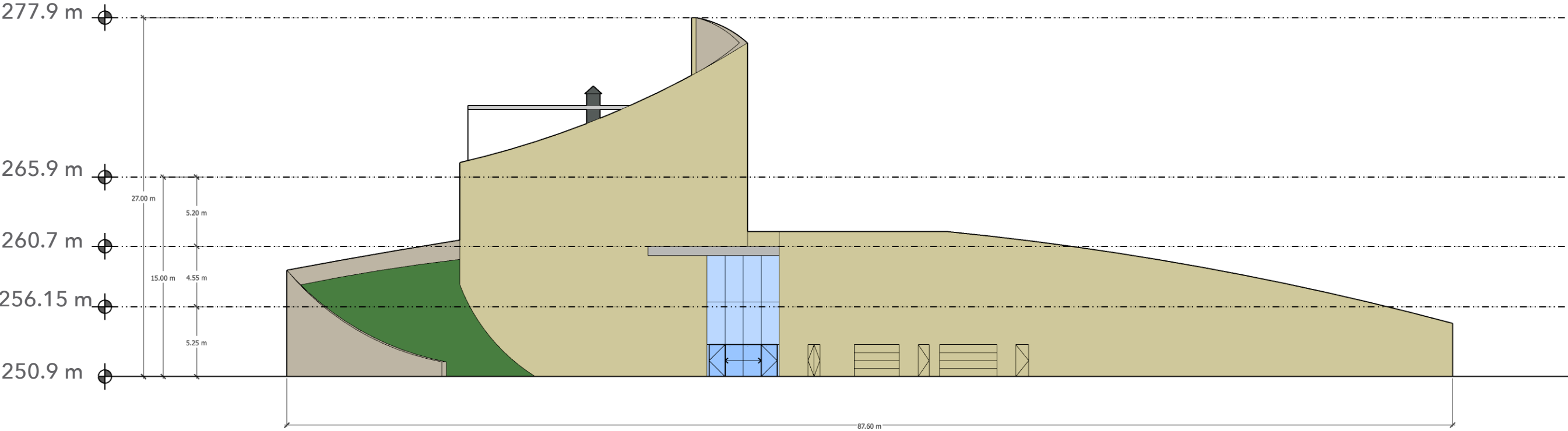


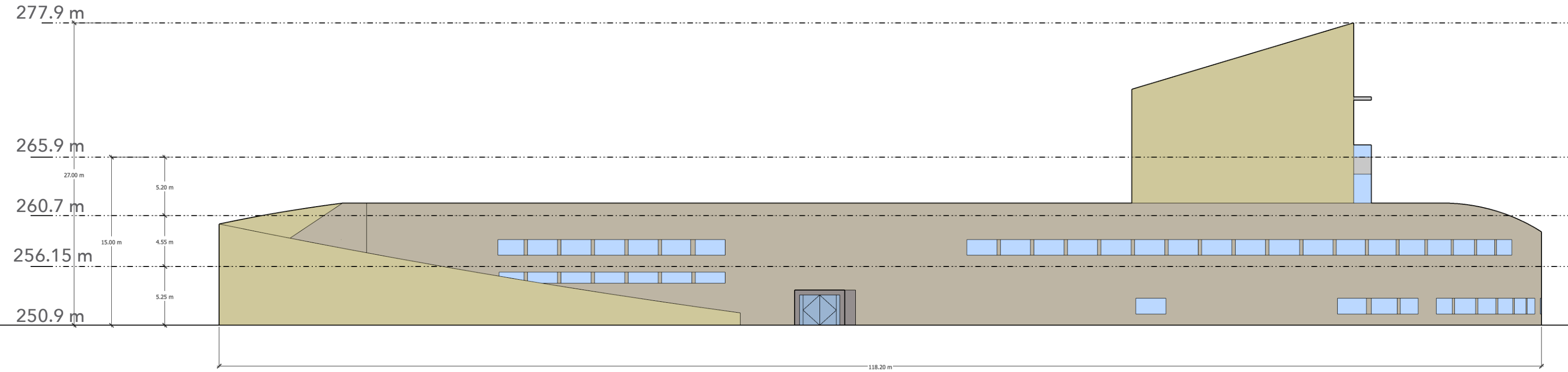


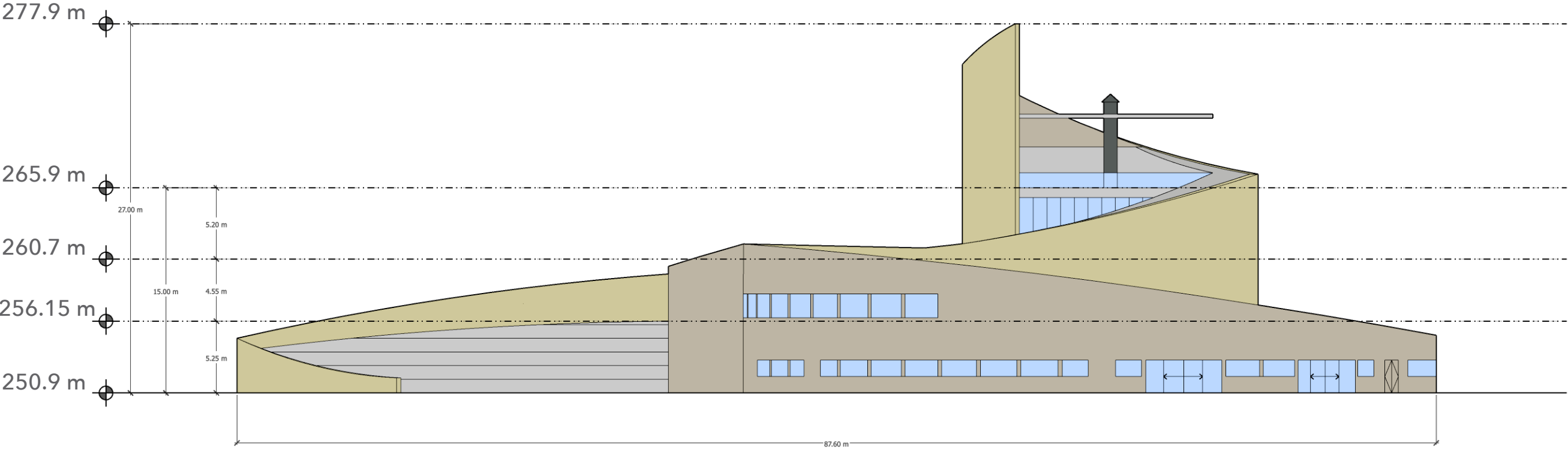


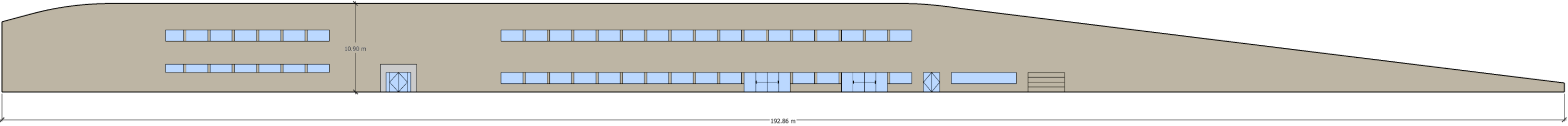
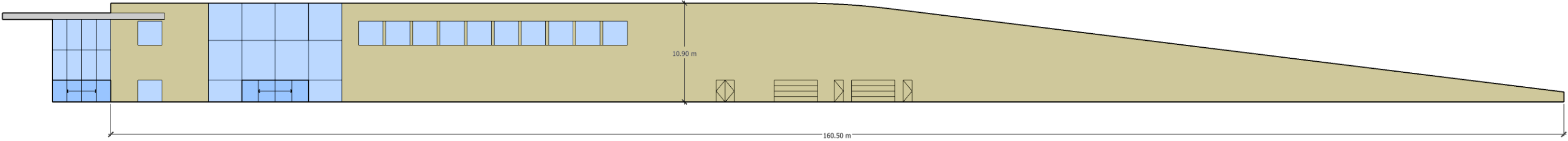


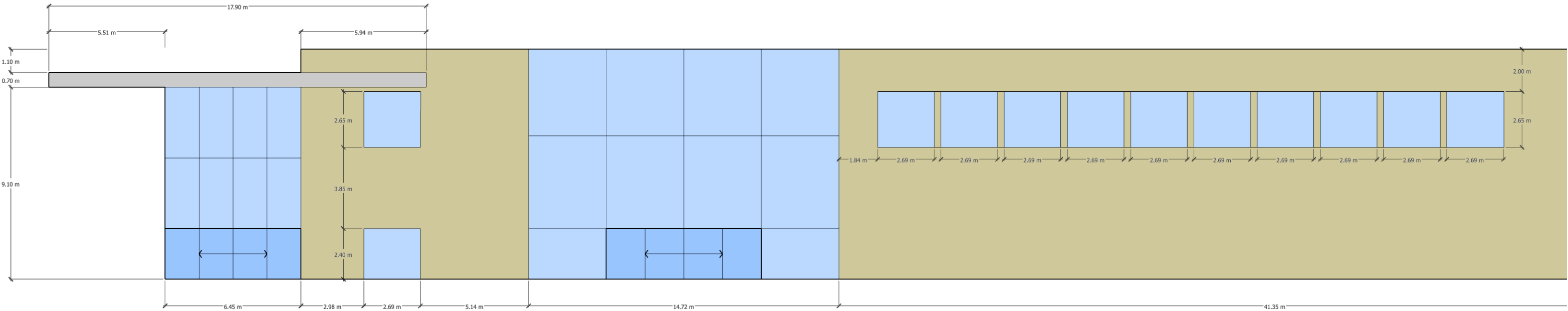


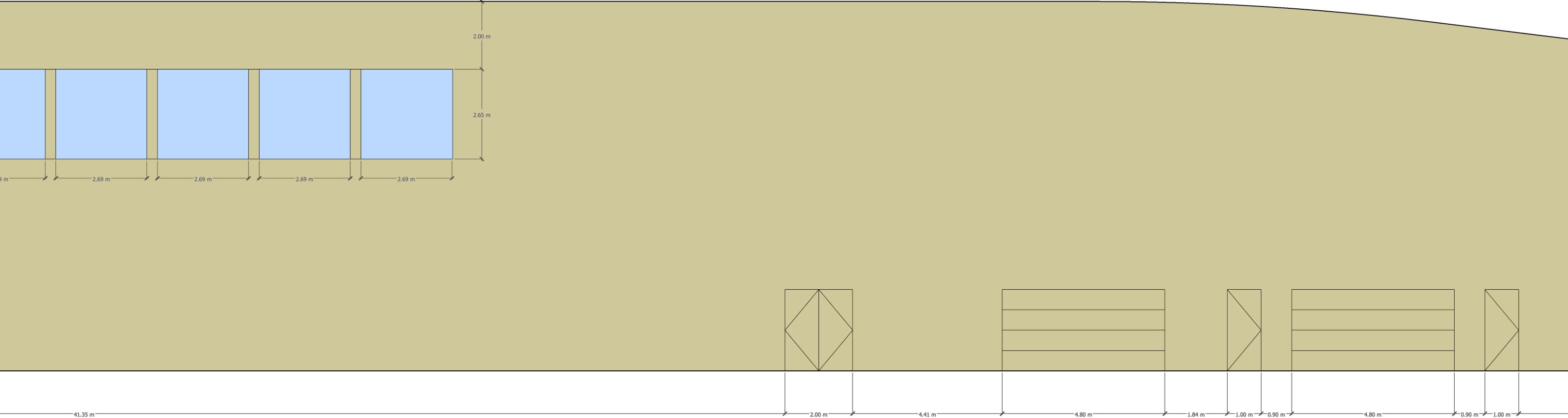




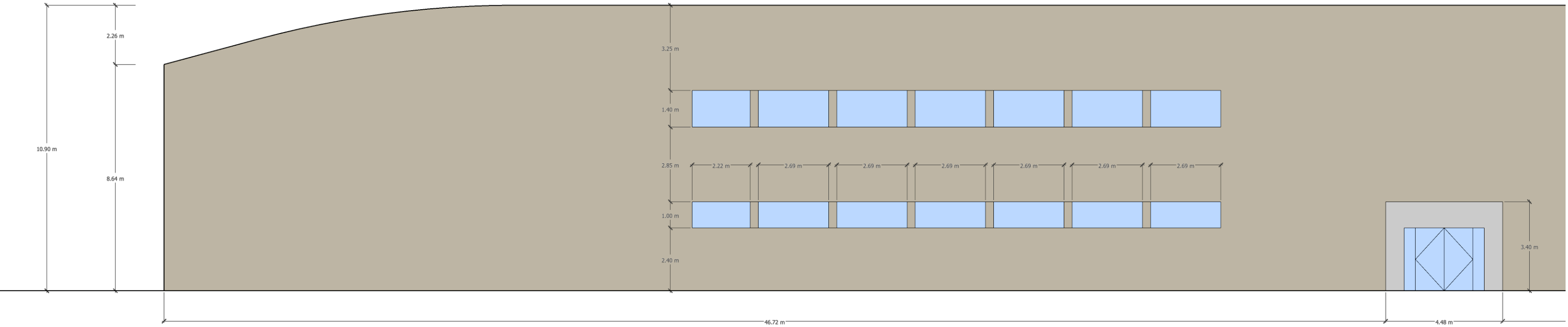


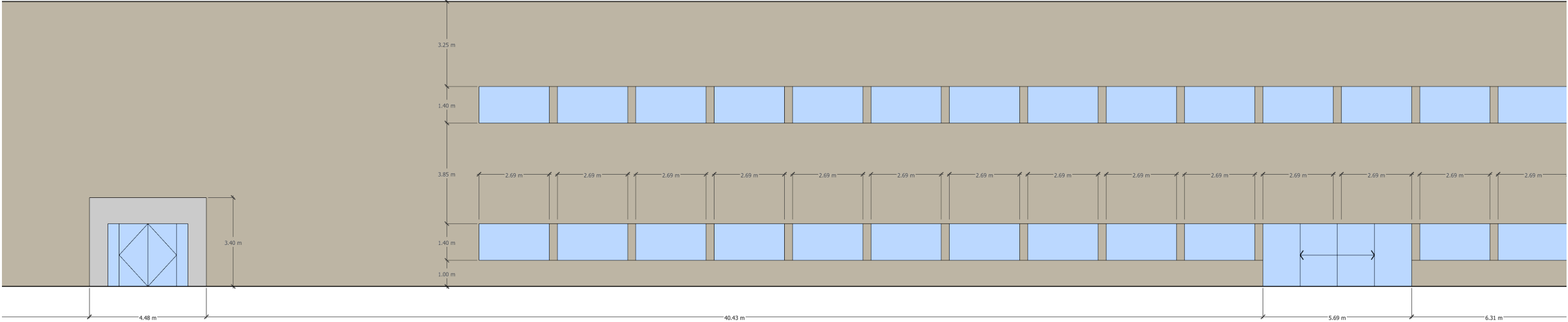


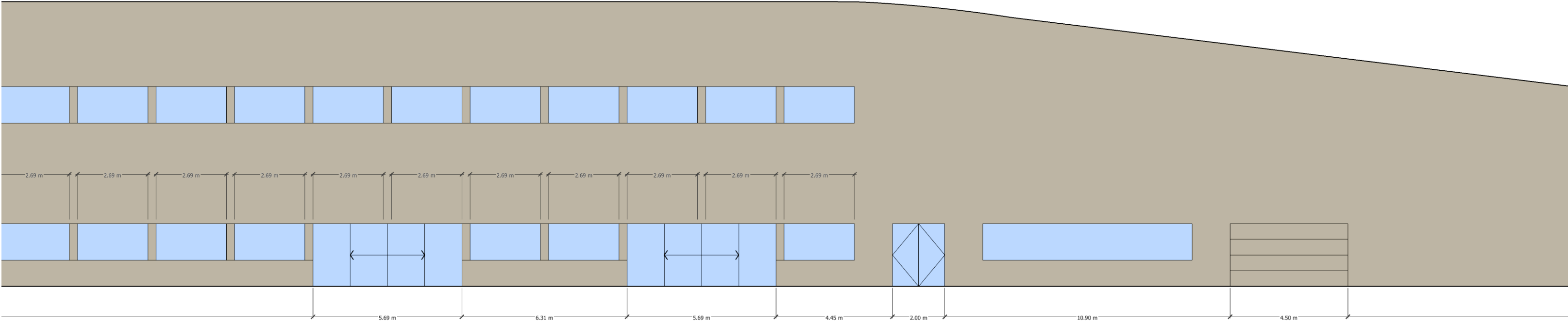


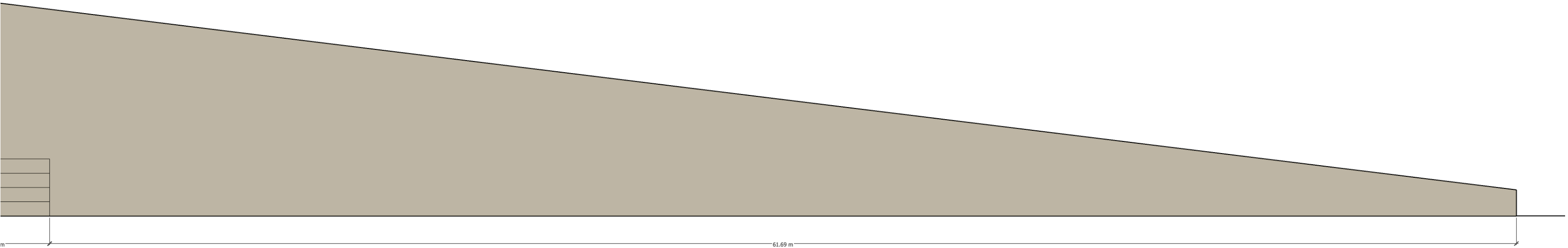














1 LANDSCAPE SITE PLAN
L-1 SCALE 1:500

DRAWING REFERENCE

1	1	1
L-1	L-1	L-1
DETAIL	DRAWING TITLE	LOCATION OF PLANT COMMUNITIES REFER TO DRAWING L4

NOTE: ALL DIMENSIONS ARE EXPRESSED IN MILLIMETRES.

LANDSCAPE REQUIREMENTS

TOTAL SITE AREA = 33,920 m²
PHASE 1 LANDSCAPING AREA = 5615.5m²
REQUIRED LANDSCAPING (10% OF SITE AREA) = 562 m²
1 TREE + 1 SHRUB/25 m² OF LANDSCAPE AREA = 562/25m² = 22.5
AS PER SECTION 72.9 OF THE RMMWB LAND USE BYLAW, A MINIMUM OF 23 TREES AND 23 SHRUBS REQUIRED
PROPOSED:
SOFT LANDSCAPING (PLANTED AREA) = 2655.5 m²
NUMBER OF TREES = 48
NUMBER OF SHRUBS = 158

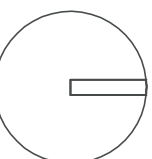
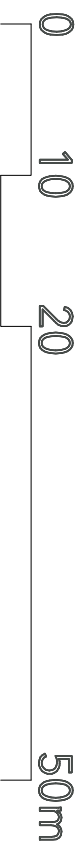
LEGEND

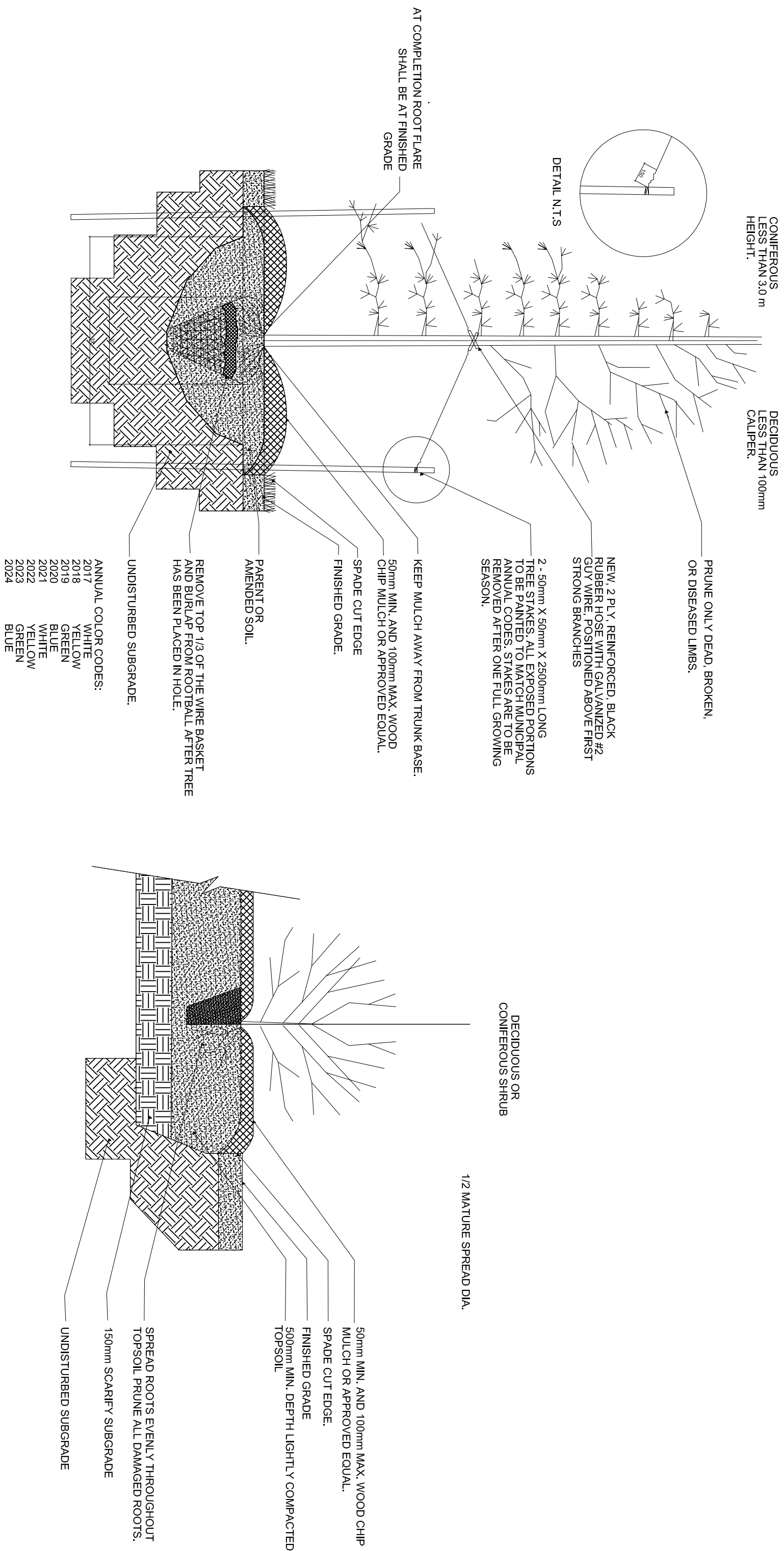
- PLANTED AREAS – REFER TO DWG L2
- RAIN GARDENS/BIOSWALES
- POND/STREAM/REFLECTING POOL/WATER FEATURE
- GREEN FENCING
- DECORATIVE PAVING
- BOARDWALK
- CONCRETE WALKWAY C/W TAN OXIDE & SEEDED WITH LIMESTONE
- ASPHALT PAVING
- SNOW THROW AREA
- BICYCLE STAND—5 WAY WAVE STYLE BIKE RACK

SITE LIGHTING

- BOLLARD LIGHTS AT MAIN ENTRY
- POLE MOUNTED LIGHT 5 M HT. FULL CUT OFF
- POLE MOUNTED LIGHT 3 M HT. FULL CUT OFF DIRECTED AWAY FROM THE BUILDING
- IN STREAM UNDERWATER LIGHTS

NOTE: PROVIDE ELECTRICAL OUTLETS IN ELEVATED WATER-TIGHT BOXED FOR FESTIVE LIGHTING



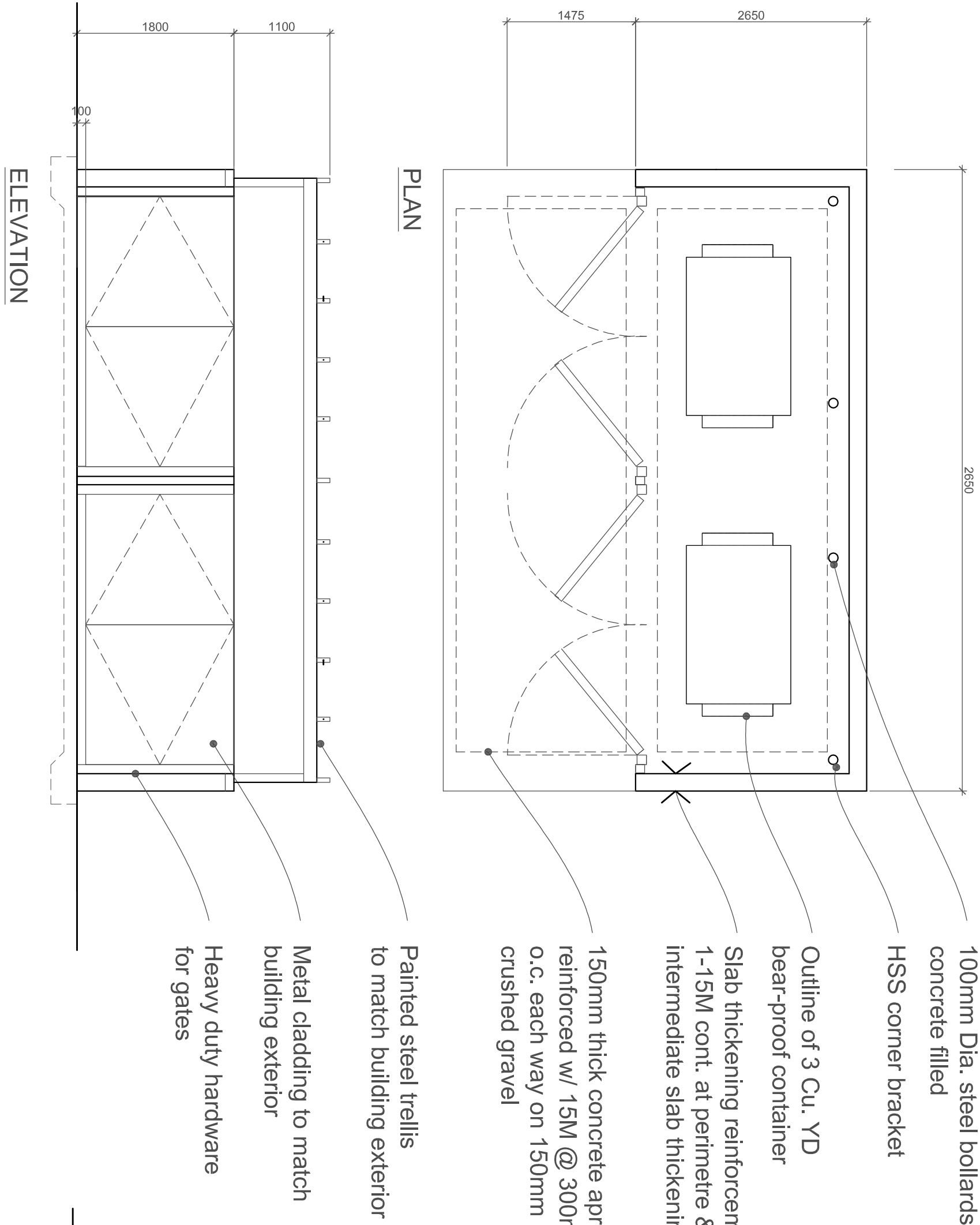


- NOTES:
- (1) IF MIN. UTILITY SETBACKS PERMIT, POSITION TREE STAKES INTO DIRECTION OF PREVAILING WINDS.
 - (2) ALL TREES TO MAINTAIN A MIN. CLEARANCE AS SET IN THESE STANDARDS FROM ALL UTILITIES.
 - (3) DIG ALL ROOT HOLES BY HAND WHEN TREE PIT IS CLOSER THAN ONE METRE FROM EDGE OF PIT TO THE STAKE UTILITY LINE.
 - (4) ALL SPECIMEN SHALL MEET THE CANADIAN NURSERY LANDSCAPE ASSOCIATION STANDARDS.
 - (5) TREES LARGER THAN 100mm CAL. OR 3.0 m HEIGHT REQUIRE 3 TREE STAKES.
 - (6) ALL PLANT MATERIAL SHALL MEET THE HORTICULTURAL STANDARDS AND PRACTICES OF THE CANADIAN NURSERY LANDSCAPE ASSOCIATION.
 - (7) SITES WITH HEAVY CLAY SHALL HAVE A LARGER THAN NORMAL AND EQUAL MIX OF SOIL FROM HOLE, ORGANIC MATTER AND SAND.
 - (8) AVOID GLAZING THE SIDES OF THE HOLE. SIDES OF HOLE SHALL BE SCARIFIED.

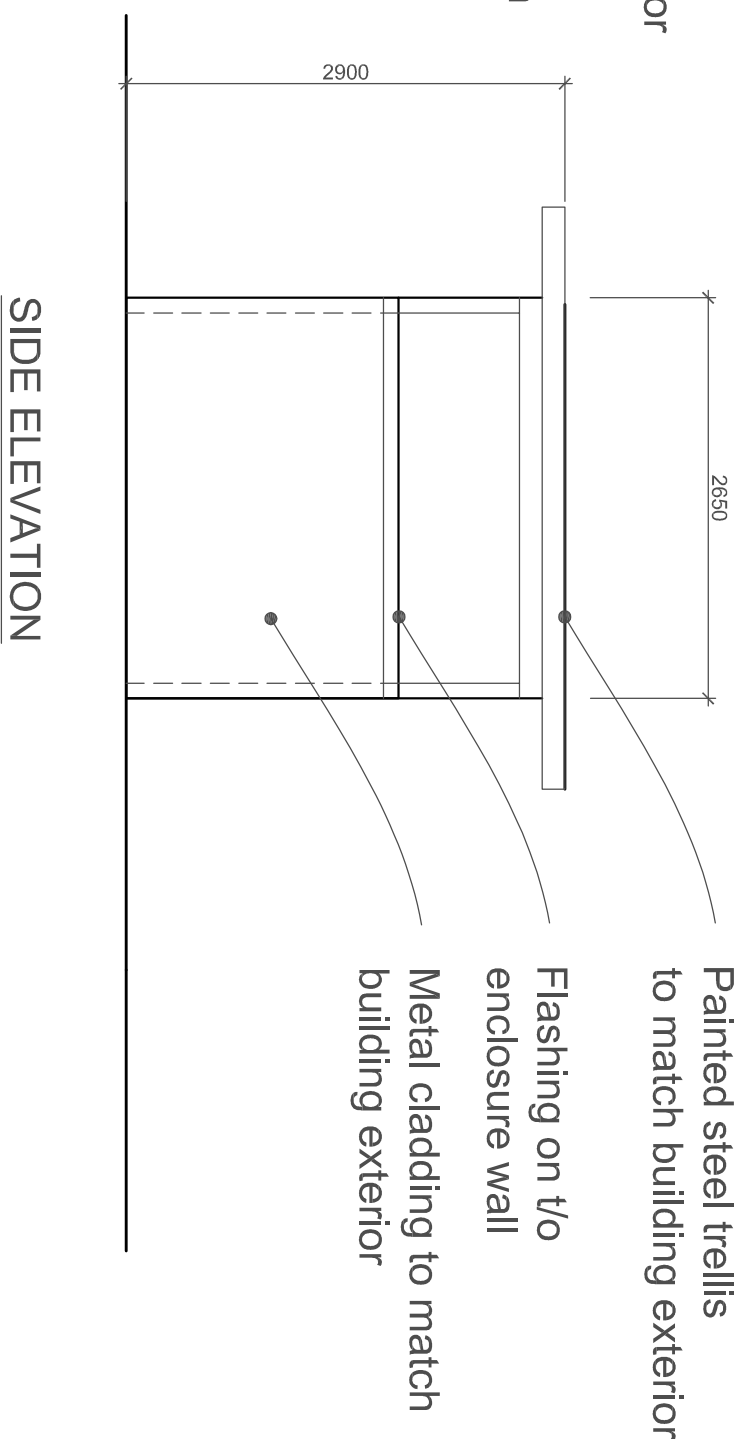
1 TREE PLANTING DETAIL
L-4 SCALE 1:30

- NOTES:
- (1) DO NOT PLACE MULCH WITHIN 50mm SHRUB BASE.
 - (2) MIN. SHRUB SIZE AT PLANTING TO BE 60mm HEIGHT AND SPREAD.
 - (3) MIN. SHRUB SIZE AT PLANTING TO BE 60mm HEIGHT AND SPREAD.
 - (4) ALL PLANT MATERIAL SHALL MEET THE HORTICULTURAL STANDARDS AND PRACTICES OF THE CANADIAN NURSERY LANDSCAPE ASSOCIATION.

2 SHRUB PLANTING DETAIL
L-4 SCALE 1:30



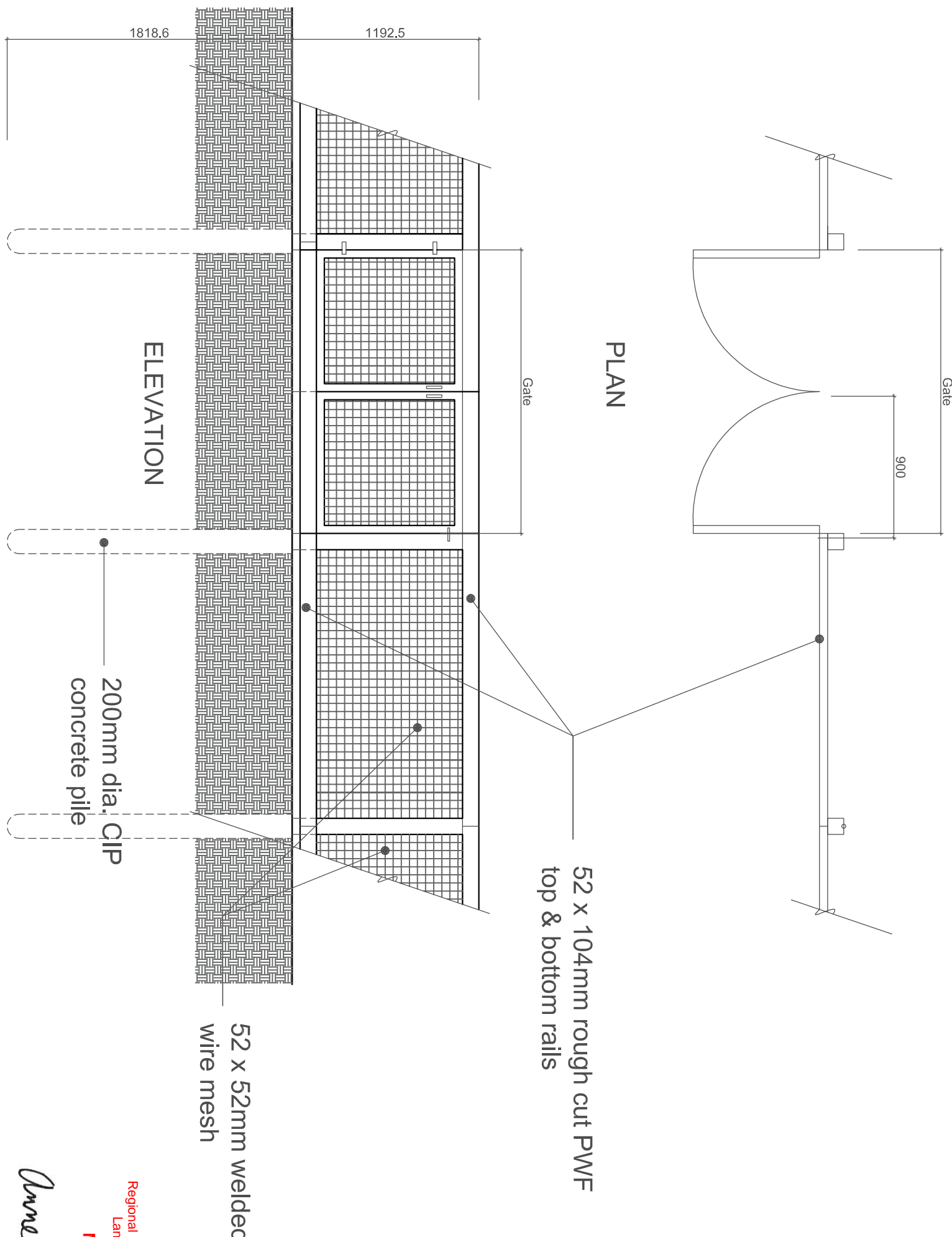
4 GARBAGE ENCLOSURE AT LOADING ZONE
L-4 SCALE 1:50



SIDE ELEVATION

1. PARKWAY BOULEVARD / EDGE OF DRY FOREST
Proposed wide sidewalk. Add to existing street trees with *Fraxinus pennsylvanica* (Green Ash). The RMWB currently maintains a formal lawn.
2. ENTRANCE PROMENADE Wide multi-purpose walkway from bus stop and town. Re-wild the landscape approaching the main entrance. Populus tremuloides (cump) Trembling Aspen
3. CASCADING STREAM / EDGE OF DRY FOREST
Recreating water feature thematically connects reflecting pool at main entrance to pond. Amber limestone is placed against SITE wall of building.
4. RAIN GARDENS Rain gardens collect and clean the stormwater off the parking lot through biological treatment. Riparian plants i.e. rushes, sedges and irises are very effective.
5. POND / MARSH / WETLAND Water is very important in celebrating Metis culture. Green fence and handrails provide a safety barrier. Landings with steps offer winter access for skating.
6. WEST TERRACE Populus tremuloides, specimen Aspens are selected in a columnar form to provide sun shading on the westside of the building. Rainwater is filtered with permeable pavers.
7. MOIST RICH FOREST Bio-swales collect rainwater on the site. Free gates (White spruce) and Betula papyrifera (Paper Birch) frame an adventure play area. Kids play, elders watch.
8. OUTDOOR CLASSROOM A semi-circular outdoor classroom is surrounded by the Moist Rich forest. Sliding stairs are cut from amber limestone, which underlays the site.

3 PLANT COMMUNITIES AND ACTIVITY AREAS
L-4 SCALE NTS



5 GREEN FENCE-PLAN & ELEVATION
L-4 SCALE 1:30

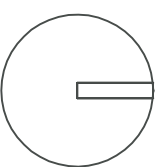
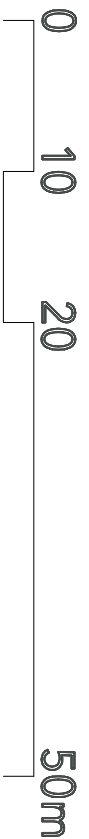


LEGEND

- EXISTING GRADES
- PROPOSED GRADES
- CATCH BASIN ELEVATION
- DRAINAGE PATH

NOTES:

WALKWAYS MINIMUM 2% GRADIENT OF CROSS SLOPE
MAXIMUM 5% GRADIENT



1 LANDSCAPE GRADING PLAN
L-5 SCALE 1:500

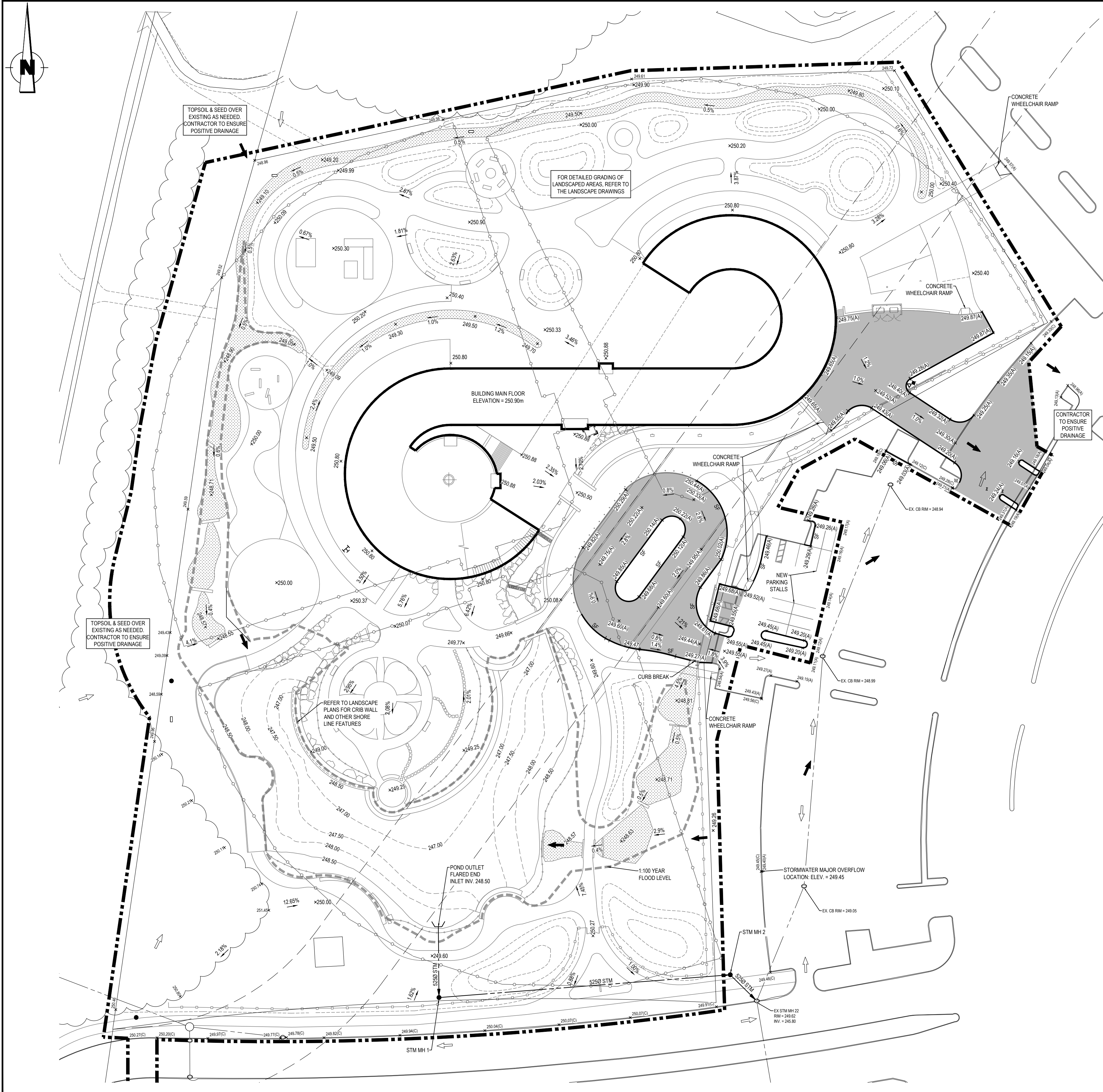
SHARP Landscape Architecture



McMurray Metis Cultural Centre
MACDONALD ISLAND WAY, FORT MCMURRAY

LANDSCAPE GRADES
SCALE 1:500
NOT FOR CONSTRUCTION
2021-05-22

L5



STORMWATER MANAGEMENT NOTES:

POND CATCHMENT AREA: 4.2 ha
POST DEVELOPMENT EST. RUNOFF COEFFICIENT: 0.41
EST. 24HR. 5 YR RUNOFF: 951 m³ [55.2mm RAINFALL (RMWB ESS SEC. 6.3) * 4.2ha * 0.41]
EST. 24 HR. 100 YR RUNOFF: 1735 m³ [100.8mm RAINFALL (RMWB ESS SEC. 6.3) * 4.2ha * 0.41]
BACKFLOW PREVENTER INSTALLED IN PROPOSED STM MH 2 TO ENSURE CAPACITY IN DOWNSTREAM PIPE. PRIOR TO DISCHARGE.
ASSUMING 0 L/s DISCHARGE. SITE REQUIRES 1736 m³ OF STORAGE FOR 24HR. 100YR RAINFALL EVENT.
PRE-DEVELOPMENT SITE STORAGE PROVIDED: ~ 0 m³
POST DEVELOPMENT SITE STORAGE PROVIDED:
1890 m³ (249.05m - 100YR FLOOD)
5161 m³ (249.45m - MAJOR OVERFLOW)

FOR DETAILED GRADING OF LANDSCAPED AREAS, REFER TO THE LANDSCAPE DRAWINGS

LEGEND		
DESCRIPTION	EXISTING	PROPOSED
PROJECT BOUNDARY AND CONSTRUCTION LIMITS		
GRAVEL ROAD		
CURB		
BUILDING		
POND		
CHAINLINK FENCE		
TREELINE		
CONTOUR		
CATCHBASIN		
CATCHBASIN MANHOLE		
MANHOLE		
SWM FLOW ARROW		
GRADE	x249.16	x249.72
TOP OF ASPHALT GRADE	x249.16(A)	x249.72(A)
TOP OF CONCRETE GRADE	x249.16(C)	x249.72(C)

0 5 10
SCALE 1:500

SEAL:

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ISSUED FOR - REVISION:

1	2021-03-24	ISSUED FOR DEVELOPMENT PERMIT
---	------------	-------------------------------

IS	DATE	DESCRIPTION	DATE:
PROJECT NO:		20M-01240-00	
ORIGINAL SCALE:		1:500	IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE: <div>25mm</div>
DESIGNED BY:		ES	
DRAWN BY:		TE	
CHECKED BY:		ES	
APPROVED BY:		AP	

DISCIPLINE:

CIVIL



#1200, 10909 JASPER AVENUE
EDMONTON, ALBERTA, CANADA T5J 3L9
TEL: 780.466.6555 | FAX: 780.466.8200 | www.wsp.com

CLIENT:



CLIENT REF. #:

PROJECT:

METIS CULTURAL CENTRE

TITLE:

SITE GRADING PLAN & STORMWATER MANAGEMENT PLAN

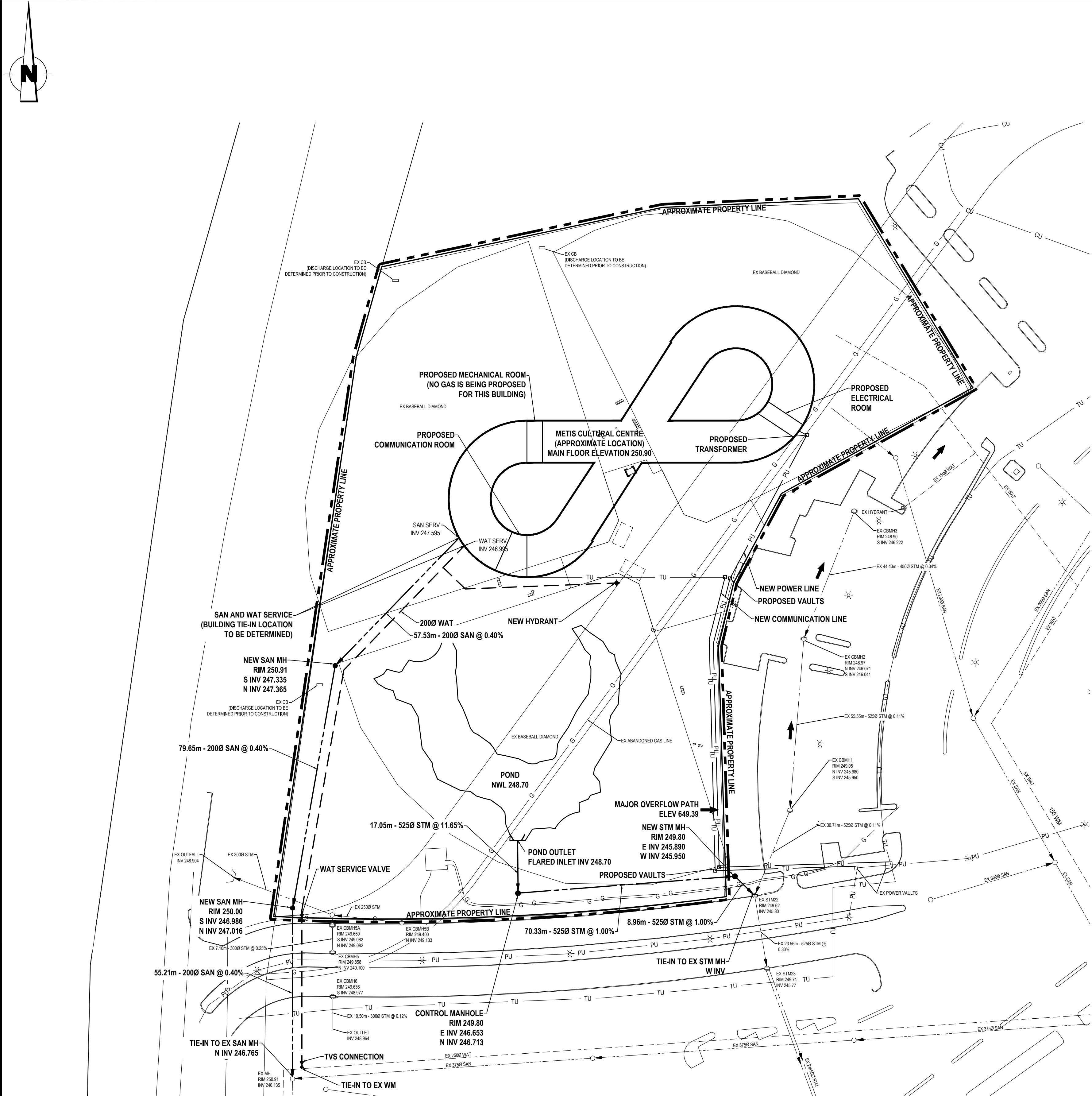
DRAWING NUMBER:

C102

ISSUE:

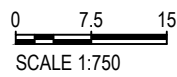
ISSUED FOR DEVELOPMENT PERMIT

DATE OF: 2021-03-24



PRELIMINARY
(NOT FOR CONSTRUCTION)

LEGEND	
PROPOSED DEVELOPMENT BOUNDARY	---
PROPOSED SANITARY SEWER	---
EXISTING SANITARY SEWER	---
PROPOSED WATER LINE	---
EXISTING WATER LINE	---
PROPOSED STORM SEWER	---
EXISTING STORM SEWER	---
EXISTING MANHOLE	○
PROPOSED MANHOLE	●
EXISTING CATCH BASIN	□
EXISTING CATCH BASIN MANHOLE	⊕
PROPOSED VALVE	⋈
EXISTING HYDRANT	⋈
PROPOSED GAS LINE	G
EXISTING GAS LINE	G
PROPOSED TELECOMMUNICATION LINE	TU
EXISTING TELECOMMUNICATION LINE	TU
EXISTING CABLE LINE	CJ
EXISTING LIGHT STANDARD	⊙
PROPOSED POWER LINE	PU



SEAL:

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ISSUED FOR - REVISION:

B	2021/01/12	ISSUED FOR DEVELOPMENT PERMIT
A	2020/11/24	ISSUED FOR CONCEPT REVIEW

IS	DATE	DESCRIPTION
PROJECT NO: 20M-01240-00		

ORIGINAL SCALE: 1:750		IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE.
DESIGNED BY: ES	DRAWN BY: CA	
CHECKED BY: GG	APPROVED BY: GG	

25mm

wsp

#1200, 10909 JASPER AVENUE
EDMONTON, ALBERTA, CANADA T5J 3L9
TEL: 780.466.6555 | FAX: 780.466.8200 | www.wsp.com

CLIENT:

Infinity Metis Corp.

CLIENT REF. #

PROJECT: METIS CULTURAL CENTRE

TITLE: PRELIMINARY SITE SERVICING PLAN

DRAWING NUMBER: C101

ISSUE:
ISSUED FOR DEVELOPMENT PERMIT
DATE OF: 2021/01/12