



ABBREVIATIONS

AFF ABOVE FINISHED FLOOR	OC ON CENTRE
ALUM ALUMINUM	PFAB PRE-FABRICATED
BG BAR GRATING	PL PLASTIC LAMINATE
CF CLEAR FINISH	PS PRESSED STEEL
CIP CAST-IN-PLACE	PRTN FOLDING PARTITION
CL CENTER LINE	PT PAINT
CP CARPET	RB RUBBER BASE
CMU CONCRETE BLOCK	RH RADIANT HEATER
CO CLEANOUT	RSF RESILIENT SHEET FLOORING
CONC CONCRETE	RQF RESINOUS QUARTZ FLOORING
CT CERAMIC TILE	S SEALER
DG DESIGN GRADE	SCN SCREEN
EG EXISTING GRADE	SCW SOLID CORE WOOD
EQ EQUAL	SEAL SEALANT
EXMM EXPANDED METAL MESH	SF SAFETY FLOORING
EX EXISTING	SM SURFACE MOUNT
FD FLOOR DRAIN	SP SEPARATE PRICE
FF FIXED FURNITURE	SS SPECIAL SHEATHING
FFE FINISHED FLOOR ELEVATION	ST STAINED
FM FLUSH MOUNT	STS STAINLESS STEEL
FRR FIRE RESISTANCE RATING	TB MOLD RESISTANT TILE BACKER
GALV GALVANIZED	TP TOILET PARTITION
GF GROUND FACE	TBAR T-BAR SUSPENDED CEILING (NOT USED)
GL GLAZING	TG TEMPERED GLAZING
GS GALVANIZED STEEL	T.O. TOP OF
GWB GYPSUM WALL BOARD	TYP TYPICAL
HD HEAVY DUTY	U.N.O. UNLESS NOTED OTHERWISE
HDPE HIGH-DENSITY POLYETHYLENE	UPO UNPROTECTED OPENING
HM HOLLOW METAL	U/S UNDERSIDE
L.D. LIMITING DISTANCE	V VINYL
LTD LAMINATED TIMBER DECKING	WB WOOD BASE
MD METAL DECK	WD WOOD
MO MASONRY OPENING	WP WORK POINT
MP METAL PANELS	FFD FUNNEL FLOOR DRAIN
NA NOT APPLICABLE	
N.I.C. NOT IN CONTRACT	

DRAWING SYMBOLS

	GRID BUBBLE
	PLAN OR SECTION DETAIL ELEV SECTION USES SOLID ARROW DETAIL SECTION USES OPEN ARROW PLAN DETAIL USES NO ARROW
	STORAGE ROOM ROOM NAME AND NUMBER
	INTERIOR ELEVATIONS
	FLOOR ELEVATION TAG
	MILLWORK TAG
	WALL TYPE TAG
	DOOR TAG
	REVISION TAG
	WINDOW TAG
	EXISTING ELEVATION IN METERS
	DESIGN ELEVATION IN METERS
	HEIGHT @ UNDERSIDE OF CEILING WITH MATERIAL DESIGNATION



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1 DRAWING SYMBOLS AND ABBREVIATIONS

CENTRAL COAST REGIONAL DISTRICT BELLA COOLA POOL

OWNER/SITE

Centennial Pool
1853 Chilcotin-Bella Coola HWY
Hagensborg, BC
V0T 1H0

Owner - Central Coast Regional District

ARCHITECTURAL

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A0.0 COVER SHEET	A4.1 ELEVATIONS
A0.1 PROJECT DATA & CODE SUMMARY	A4.2 ELEVATIONS
A0.2 PROJECT DATA & CODE SUMMARY	A4.3 RENDERS
A0.3 CONTEXT & FIRE ACCESS PLAN	
A0.4 SCHEDULES	A5.1 INTERIOR ELEVATIONS
A1.1 EXISTING & DEMO SITE PLAN	A6.1 WALL SECTIONS
A2.1 KEY PLAN, POOL, & DECK PLAN	A7.1 MILLWORK
A2.2 PLANS	
A2.3 PLANS	A8.1 KEY POOL PLANS AND SECTIONS
	A8.2 KEY POOL PLANS AND SECTIONS
A3.1 SECTIONS	A8.3 POOL GUTTER DETAILS

STRUCTURAL

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MECHANICAL

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#200 - 638 Smithe Street
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ELECTRICAL

O'M Engineering
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1853 CHILCOTIN-BELLA
COOLA HWY
HAGENSBOURG,
BC, V0T 1H0

JOB TITLE

BELLA COOLA POOL

SHEET TITLE

COVER

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JOB NO.

23-26

DATE

NOVEMBER 2023

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SHEET SIZE

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OWNER'S REFERENCE INFORMATION

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PROJECT DESCRIPTION

RENOVATION TO EXISTING CHANGE ROOM BUILDING, NEW MECHANICAL BUILDING, AND REMOVAL AND REPLACEMENT OF EXISTING LAP POOL WITH A 25M LAP POOL AND WARM POOL AT CENTENNIAL POOL IN HAGENSBORG, BC. SCOPE OF WORK INCLUDES CAST IN PLACE CONCRETE, SITE MODIFICATIONS, AND POOL UPGRADES.

BUILDING CODE SYNOPSIS

BUILDING CODE	BCBC 2024
GOVERNING CODE	PART 3
NUMBER OF BUILDINGS	1
STREETS FACING	1
BUILDING AREA (EXISTING)	117.6 SM (1265 SF)
BUILDING AREA (PROPOSED)	245 SM (2638 SF)
BUILDING HEIGHT	1 STOREY
MAJOR OCCUPANCY	GROUP A2
CONSTRUCTION CLASSIFICATION	EXISTING 3.2.2.28 - A2 MAXIMUM 1 STOREY MAXIMUM AREA 400M2 NON-SPRINKLERED COMBUSTIBLE OR NON-COMBUSTIBLE
	PROPOSED (NO CHANGE) 3.2.2.28 - A2 MAXIMUM 1 STOREY MAXIMUM AREA 400M2 NON-SPRINKLERED COMBUSTIBLE OR NON-COMBUSTIBLE
COMBUSTIBLE CONSTRUCTION	PERMITTED
FLOOR FRR REQUIRED	N/A
ROOF FRR REQUIRED	N/A
SPRINKLERS REQUIRED	NO
STANDPIPE REQUIRED	NO
FIRE ALARM REQUIRED	NO
OCCUPANT LOAD	150* *POSTED MAXIMUM BATHER LOAD OF 150 PERSONS. WASHROOM COUNT BASED ON BATHER LOAD ONLY AS MAXIMUM OVERALL OCCUPANCY FOR PROJECT.

BUILDING CHECKLIST

	REQUIRED	PROPOSED
SPRINKLERS	NO	NO
NON-COMBUSTIBLE CONSTRUCTION	NO	NO
FIRE ALARM 3.2.4.1	NO	NO
STANDPIPE REQUIRED 3.2.5.8	NO	NO
EMERGENCY POWER DURATION 3.2.7.4	30MIN	30MIN
HIGH RISE BUILDING 3.2.6	NO	NO
SMOKE CONTROL MEASURES 3.2.6.2	NO	NO
EMERGENCY POWER REQUIRED 3.2.7.9	NO	NO
EMERGENCY LIGHTING REQUIRED 3.2.7.3	YES	YES
EXIT SIGNS REQUIRED 3.4.5.1	NO	NO
FIRE PUMPS REQUIRED	NO	NO
FIRE DEPT. CONNECTION REQUIRED 3.2.5.15(2)	NO	NO

SEPARATIONS AND FIRE RESISTANCE RATINGS

FLOORS AND LOAD-BEARING ELEMENTS	N/A (3.2.2.28)
EXITS	EXITS SHALL BE SEPARATED FROM THE REMAINDER OF THE BUILDING BY A FIRE SEPARATION HAVING A FIRE-RESISTANCE RATING NOT LESS THAN THAT REQUIRED BY SUBSECTION 3.2.2., BUT NOT LESS THAN 45 MIN. (3.4.4.1.1)
BETWEEN MAJOR OCCUPANCIES	A2 MAJOR OCCUPANCY SHALL BE SEPARATED FROM F2 ADJOINING MAJOR OCCUPANCY BY FIRE SEPARATION HAVING A FIRE-RESISTANCE RATING OF 2H. (3.1.3.1.1)
JANITOR'S ROOM	ROOMS FOR THE STORAGE OF JANITORIAL SUPPLIES SHALL BE SEPARATED FROM THE REMAINDER OF THE BUILDING BY A FIRE SEPARATION HAVING A FIRE-RESISTANCE RATING NOT LESS THAN 45 MIN. (3.3.1.21)
STORAGE OF DANGEROUS GOODS	WHERE THE STORAGE OF SOLID AND LIQUID DANGEROUS GOODS CLASSIFIED AS OXIDIZERS EXCEEDS 250KG OR 250L, THE DANGEROUS GOODS SHALL BE SEPARATED FROM THE REMAINDER OF THE BUILDING BY A FIRE SEPARATION HAVING A FIRE-RESISTANCE RATING OF NOT LESS THAN 2H. (3.3.6.2, BC FIRE CODE 3.2.7.1)

ASHRAE COMPLIANCE: BCBC ASHRAE 90.1 2010

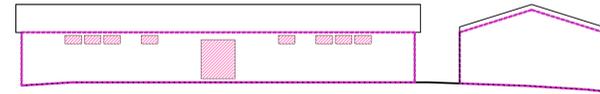
CLIMATE ZONE 5
ENTIRE BUILDING NON-CONDITIONED, INSULATION NOT REQUIRED

SPATIAL SEPARATION

REFER TO CALCULATIONS AND SPATIAL SEPARATION DIAGRAM BELOW

PROPOSED BUILDING	NORTH	SOUTH	EAST	WEST
AREA OF EXPOSED BUILDING FACE	89.7SM	89.7SM	45.5SM	41.1SM
LIMITING DISTANCE (3.2.3.1.)	10M	10M	8M	8M
L/H RATIO	OVER 10:1	OVER 10:1	3:1 TO 10:1	3:1 TO 10:1
SPRINKLERS	N/A	N/A	N/A	N/A
% UPO PERMITTED	100%	100%	100%	100%
% UPO PROPOSED	8.2%	17.5%	6.8%	0%
EXTERIOR CONSTRUCTION REQUIREMENTS	COMB./NON-COMB.	COMB./NON-COMB.	COMB./NON-COMB.	COMB./NON-COMB.
FIRE RESISTANCE RATING (-)	-HR	-HR	-HR	-HR

(REFER TO TABLE 3.2.3.1.-B)



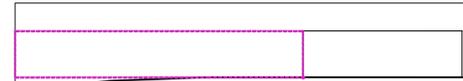
NORTH ELEVATION
AREA = 89.7SM
UPO = 7.4SM
= 8.2%



EAST ELEVATION
AREA = 45.5SM
UPO = 3.1SM
= 6.8%



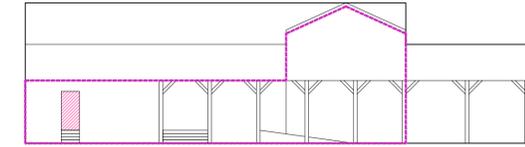
SOUTH ELEVATION
AREA = 89.7SM
UPO = 15.7SM
= 17.5%



WEST ELEVATION
AREA = 41.1SM
UPO = 0SM
= 0%

EXISTING LEGION	WEST
AREA OF EXPOSED BUILDING FACE	95.9SM
LIMITING DISTANCE (3.2.3.1.)	1.2M
L/H RATIO	3:1 TO 10:1
SPRINKLERS	N/A
% UPO PERMITTED	7%
% UPO EXISTING	2.3%
EXTERIOR CONSTRUCTION REQUIREMENTS	COMB./NON-COMB.
FIRE RESISTANCE RATING (-)	-HR

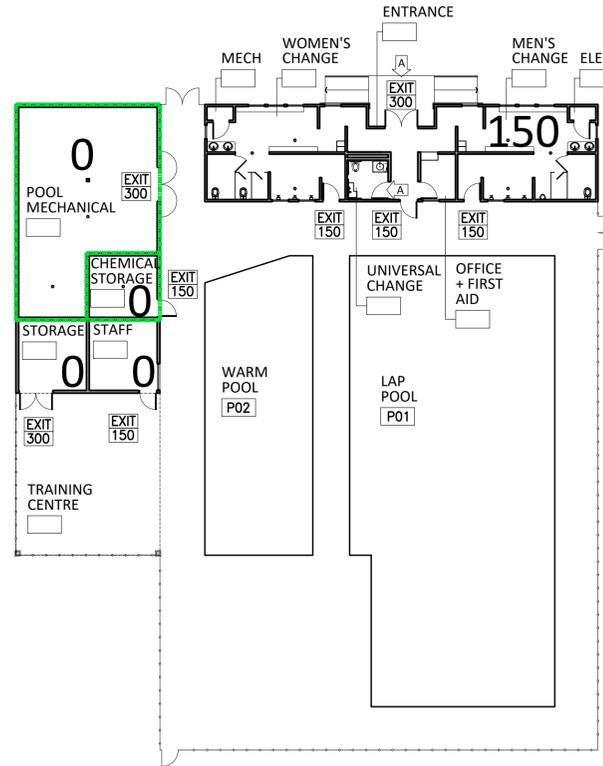
(REFER TO TABLE 3.2.3.1.-B)



WEST ELEVATION
AREA = 95.9SM
UPO = 2.2SM
= 2.3%

1 PROPOSED BUILDING ELEVATIONS 1:200

2 LEGION ELEVATION 1:200



3 FLOOR PLAN 1:200

EXITS AND MEANS OF EGRESS

DISTANCE BETWEEN EXITS (3.4.2.3)

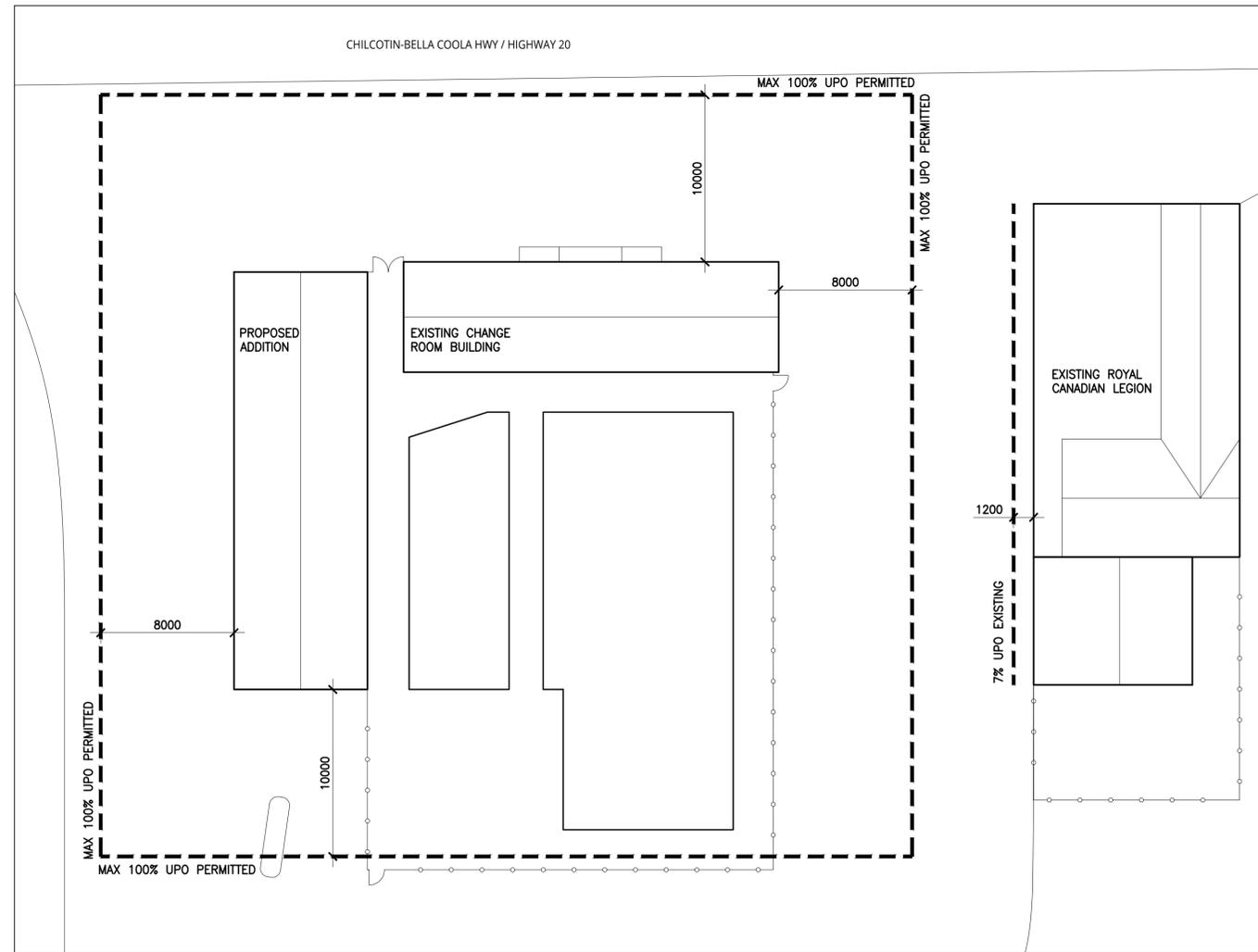
THE LEAST DISTANCE BETWEEN 2 EXITS SHALL BE ONE HALF THE MAXIMUM DIAGONAL DIMENSION OF THE FLOOR AREA BUT NOT MORE THAN 9M FOR A FLOOR AREA HAVING A PUBLIC CORRIDOR, AND NOT LESS THAN 9M FOR ALL OTHER FLOOR AREAS.

TRAVEL DISTANCE (3.4.2.4)

THE TRAVEL DISTANCE TO AT LEAST ONE EXIT SHALL NOT BE MORE THAN 30M.

EXIT CAPACITIES (3.4.3.2.1)

EXIT CAPACITIES SHALL BE BASED ON A WIDTH OF 6.1M PER PERSON FOR CORRIDORS AND DOORWAYS AND 8.0MM PER PERSON FOR STAIRS AND RAMPS.



4 SPATIAL SEPARATION 1:200

CODE DIAGRAM KEY

150	OCCUPANT LOAD/ BATHER LOAD
A2	OCCUPANCY
EXIT	EXIT
150	EXIT CAPACITY IN PERSONS
A	ACCESSIBLE ROUTE
---	DISTANCE BETWEEN EXITS
---	45 MIN FRR FIRE SEPARATION
---	60 MIN FRR FIRE SEPARATION
---	90 MIN FRR FIRE SEPARATION
---	120 MIN FRR FIRE SEPARATION
---	LIMITING DISTANCE



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COOLA HWY
HAGENSBORG,
BC, V0T 1H0**

JOB TITLE
BELLA COOLA POOL

SHEET TITLE
**PROJECT DATA &
CODE SUMMARY**

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MH AJ/GS

JOB NO. DATE
23-26 NOVEMBER 2023

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AQUATIC CODE REVIEW

APPLICABLE BUILDING CODES INCLUDE:

- 1 BCBC 2024
- 2 BC GUIDELINES FOR POOL OPERATIONS 2014 (BC MINISTRY OF HEALTH)
- 3 BC GUIDELINES FOR POOL DESIGN 2014 (BC MINISTRY OF HEALTH)
- 4 BC PUBLIC HEALTH ACT, POOL REGULATION 2016

REFERENCING:

- 1 FINA FACILITIES RULES 2021-2025

CHANGE ROOM AREA CALCULATIONS

POSTED MAXIMUM BATHER LOAD: 150 BATHERS

IT IS ANTICIPATED THAT THE PROPOSED FACILITY WILL HAVE NO MORE THAN 150 PEOPLE OCCUPYING THE FACILITY AT ONE TIME.

AREA REQUIRED PER BATHER (.32 SM X 150)
.32 x 150 = 48 SM (NOT INCLUDING WASHROOMS AND ENTRANCES/EXITS)

	PROPOSED	REQUIRED
UNIVERSAL CHANGE	5 SM	0 SM
FEMALE CHANGE	23.2 SM	24 SM
MALE CHANGE	23.2 SM	24 SM
TOTAL	51.4 SM	48 SM

MEN/WOMEN = 75 BATHERS PER GENDER

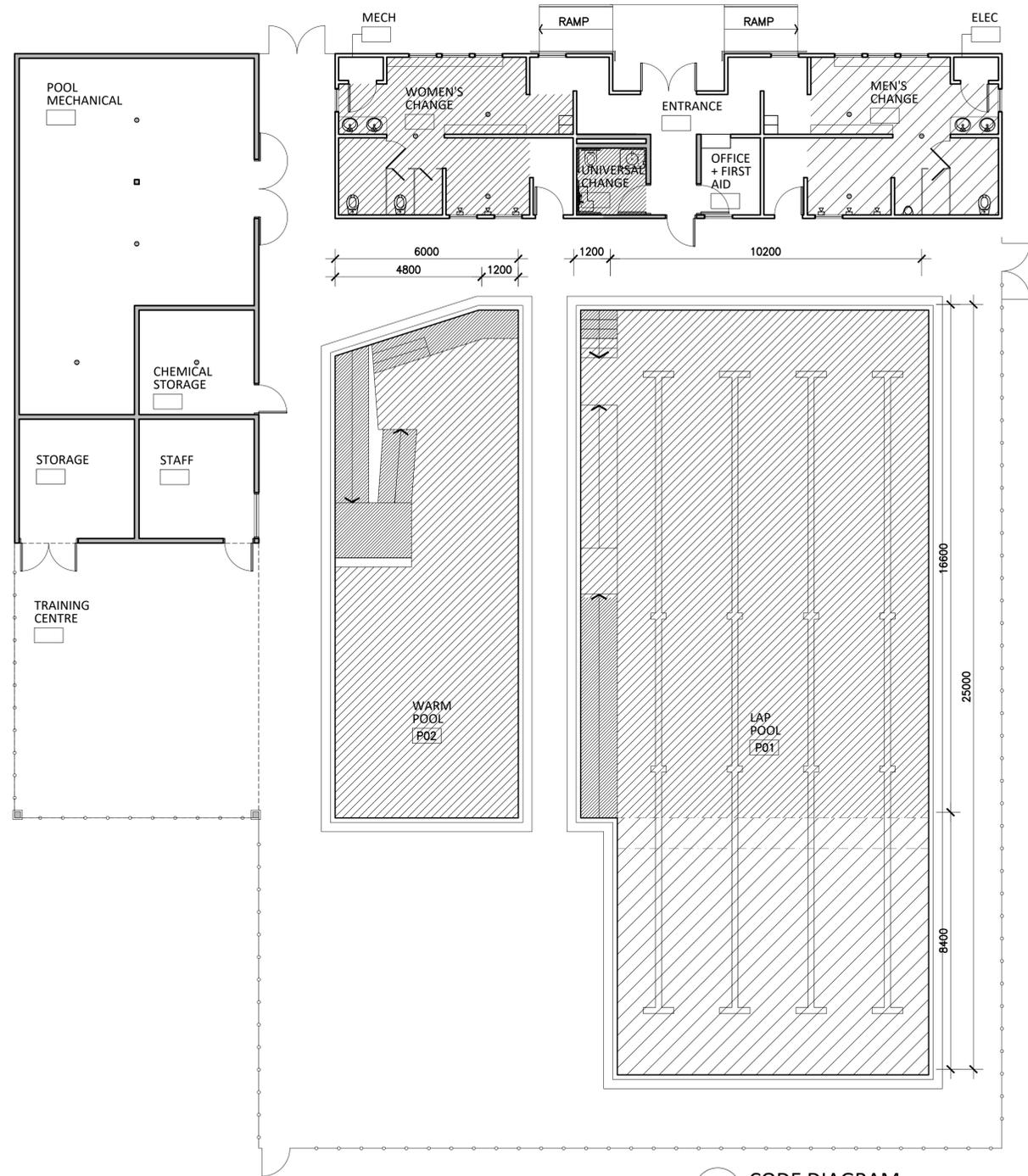
TOTAL BATHERS 150

BATHER LOAD CALCULATIONS

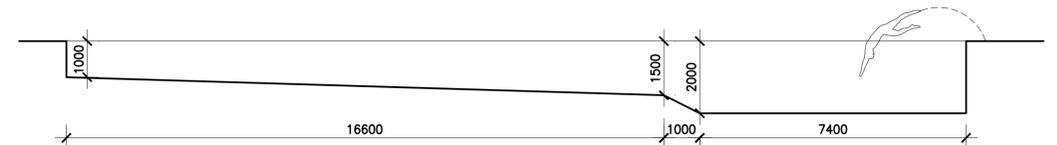
	<.6m DEEP	S=.6m-1.5m DEEP	D=1.5m+ DEEP
LAP POOL	11.5 SM	179 SM	85.6 SM
BC BATHING LOAD	$= (D/2.5) + (S/0.93)$ $= (85.6/2.5) + (179/0.93)$ $= 34 + 192$ $= 226 \text{ BATHERS}$		
WARM POOL	27 SM	76.6 SM	0 SM
BC BATHING LOAD	$= D/2.5 + S/0.93$ $= (0/2.5) + (76.6/0.93)$ $= 0 + 82$ $= 82 \text{ BATHERS}$		
TOTAL BATHERS BY CODE: 308			
PROPOSED BATHER LOAD: 150			

SHOWERS & WC

	SHOWERS			WC		
	MALE	FEMALE	UNIVERSAL	MALE	FEMALE	UNIVERSAL
PROPOSED	3	3	1	2	2	1
REQ. HEALTH ACT	2	2	-	-	-	-
REQ. BCBC	-	-	-	2	3	-



1 CODE DIAGRAM
1:100



LAP POOL LONGITUDINAL SECTION

2 FINA REVIEW SUMMARY
1:100



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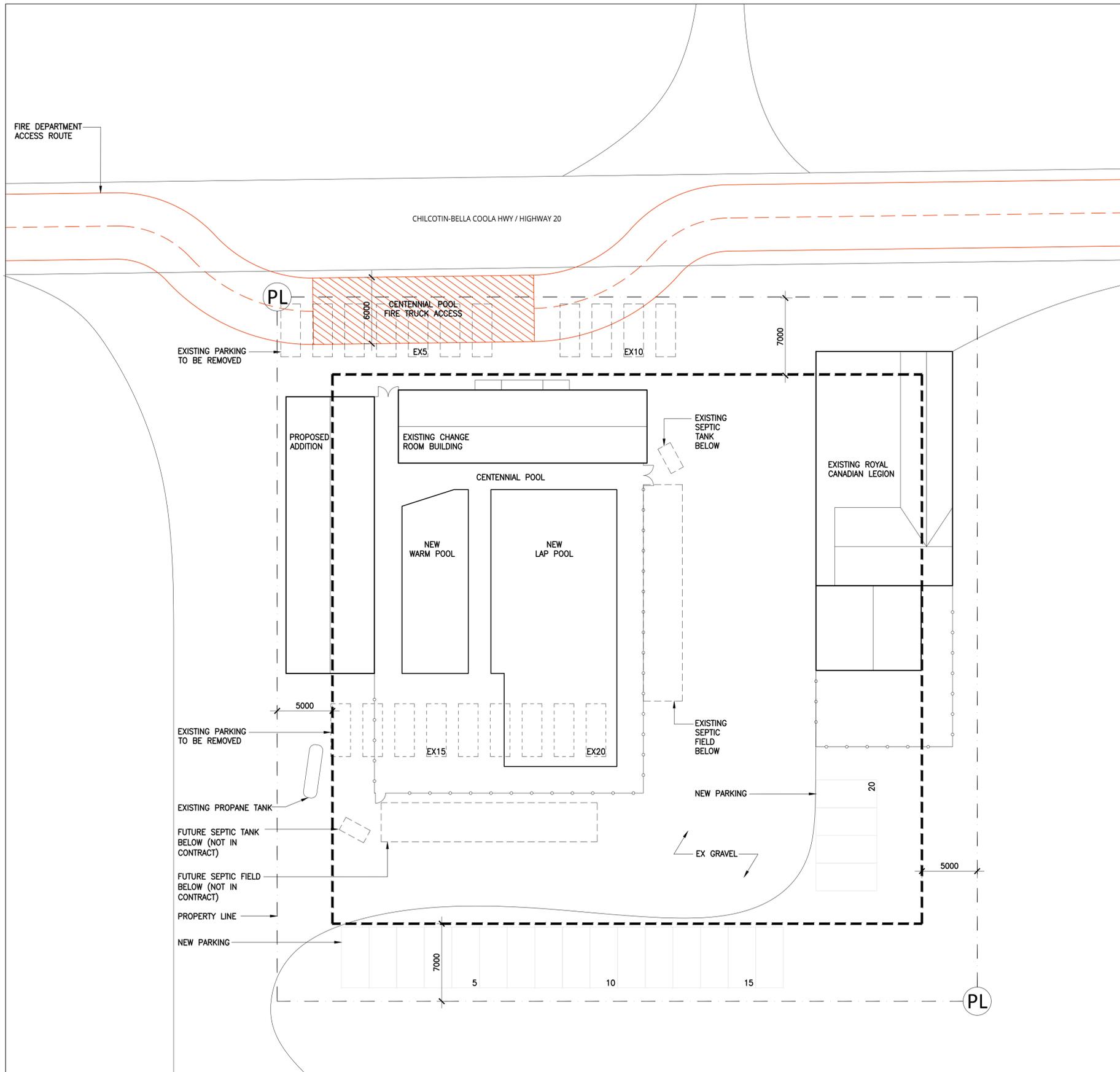
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1 CONTEXT & FIRE ACCESS PLAN
1:100

LEGEND

- YARD SETBACK
- FIRE ACCESS ROUTE (6M WIDE)
- FIRE TRUCK ACCESS

ZONING SYNOPSIS

CIVIC ADDRESS 1853 CHILCOTIN-BELLA COOLA HWY, HAGENSBOG, BC
 ZONING C-2 LOCAL COMMERCIAL DISTRICT
 USE EXISTING - ASSEMBLY
 PROPOSED - ASSEMBLY
 SITE AREA 4029 SM (43,368 SF)

SITE COVERAGE AND SETBACKS

BYLAW CENTRAL COAST REGIONAL DISTRICT
 BELLA COOLA VALLEY ZONING BYLAW NO.71
 C-2 DISTRICT SCHEDULE

	EXISTING	PERMITTED	PROPOSED
SITE COVERAGE	24.3%	50% OF LOT AREA	35.2%
BUILDING HEIGHT	4.1M	9M	4.1M
YARD SETBACKS:			
FRONT YARD	8.4M	7M	8.4M (NO CHANGE)
SIDE YARD (E)	29.8M	5M	29.8M (NO CHANGE)
SIDE YARD (W)	4.5M	5M	0.8M
REAR YARD	26.9M	7M	21.2M

PARKING & LOADING SPACES

BYLAW CENTRAL COAST REGIONAL DISTRICT
 BELLA COOLA VALLEY ZONING BYLAW NO.71
 SECTION 6.0 PARKING AND LOADING PROVISIONS
 BUILDING CLASSIFICATION PLACE OF PUBLIC ASSEMBLY - RECREATIONAL USES
 REQUIRED PARKING SPACE CALCULATIONS 1 SPACE FOR 20 SM
 REQUIRED LOADING SPACE CALCULATIONS N/A
 LOCATION IF PARKING AND LOADING NO PARKING OR LOADING SHALL BE LOCATED WITHIN A REQUIRED FRONT OR SIDE SETBACK.

	EXISTING	REQUIRED	PROPOSED
PARKING	20 SPACES	6 SPACES	20 SPACES

FIRE DEPT NOTES

1. EXISTING FIRE HYDRANT IS --- M (---') FROM THE BUILDING AND IS LOCATED AT THE INTERSECTION OF ---
2. PROPOSED BUILDING IS NOT SPRINKLERED AND IS NOT EQUIPPED WITH A FIRE DEPARTMENT CONNECTION.
3. FIRE FIGHTER ACCESS IS PROVIDED TO THE BUILDING BY MEANS OF A STREET.

FIRE FIGHTING ACCESS

LOCATION OF ACCESS ROUTE 3.2.5.5. LOCATION OF FIRE DEPARTMENT ACCESS ROUTES SHALL BE LOCATED SO THAT:
 1) THE PRINCIPAL ENTRANCE IS NO LESS THAN 3M AND NO MORE THAN 15M FROM THE CLOSEST PORTION OF THE ACCESS ROUTE.
 2) A FIRE DEPARTMENT PUMPER VEHICLE CAN BE LOCATED SO THAT THE LENGTH OF THE ACCESS ROUTE FROM A HYDRANT TO THE VEHICLE PLUS THE UNOBSTRUCTED PATH OF TRAVEL FOR THE FIREFIGHTER FROM THE VEHICLE TO THE BUILDING IS NOT MORE THAN 90M
 3) THE UNOBSTRUCTED PATH OF TRAVEL FOR THE FIREFIGHTER FROM THE VEHICLE TO THE BUILDING IS NOT MORE THAN 45M.

DESIGN OF ACCESS ROUTE 3.2.5.6. CLEAR WIDTH 6M (19'-9")
 CENTERLINE RADIUS 12 M (39'-5")
 OVERHEAD CLEARANCE 5 M (16'-5")
 CHANGE IN GRADIENT NOT MORE THAN 1 IN 12.5 OVER 15M
 TURNAROUND FOR ANY DEAD END MORE THAN 90M LONG.

ACCESS TO BUILDING 3.2.5.1. EXCEPT FOR THE STOREYS BELOW THE FIRST STOREY, DIRECT ACCESS FOR FIREFIGHTING SHALL BE PROVIDED FROM THE OUTDOORS TO EVERY STORY THAT IS NOT SPRINKLERED THROUGHOUT AND WHOSE FLOOR LEVEL IS LESS THAN 25M ABOVE GRADE, BY AT LEAST ONE UNOBSTRUCTED WINDOW OR ACCESS PANEL FOR EACH 15M OF WALL IN EACH WALL REQUIRED TO FACE A STREET BY SUBSECTION 3.2.2.



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**CONTEXT &
 FIRE ACCESS PLAN**

DRAWN MH CHECKED AJ/GS
 JOB NO. 23-26 DATE NOVEMBER 2023
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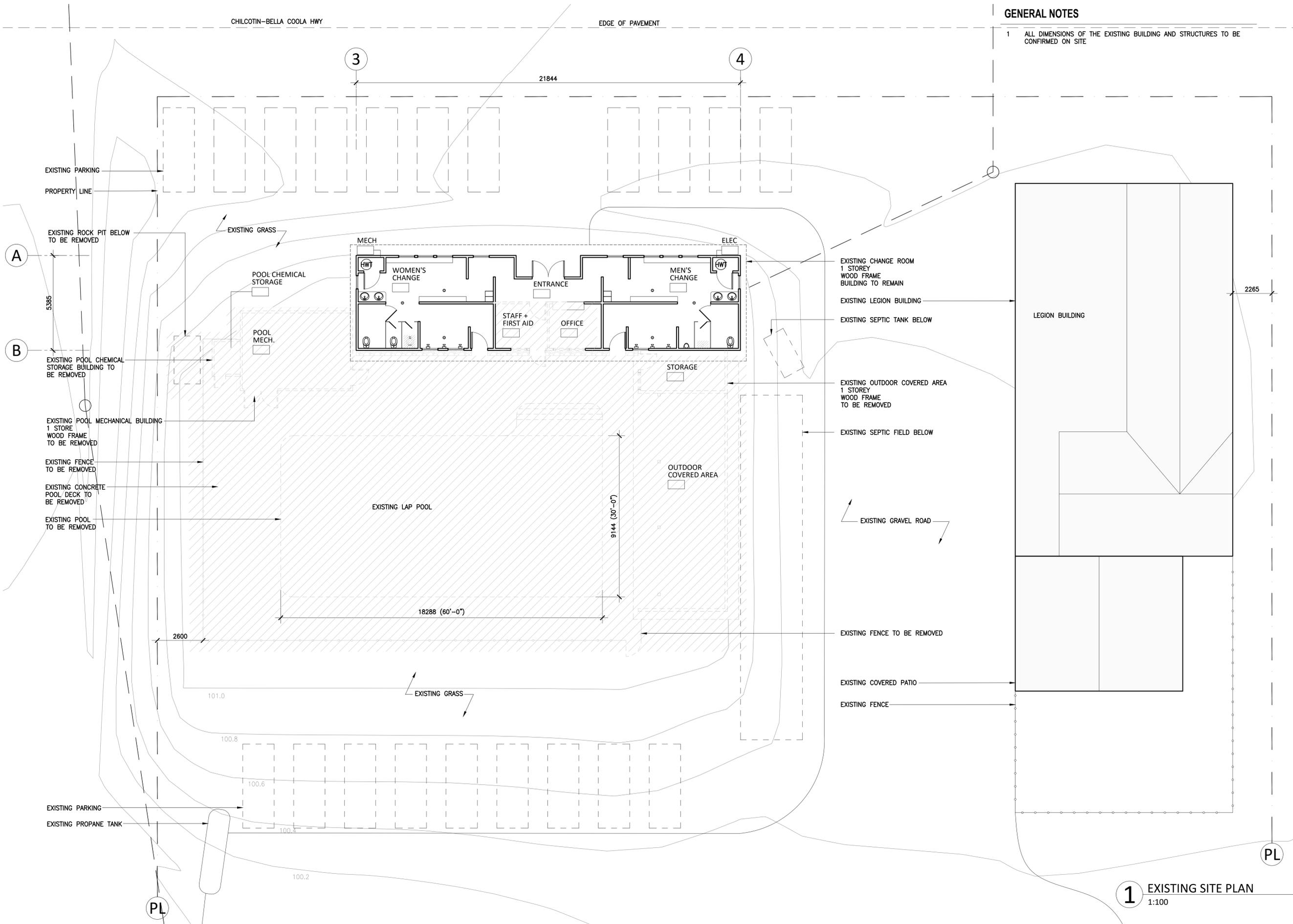
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GENERAL NOTES

1 ALL DIMENSIONS OF THE EXISTING BUILDING AND STRUCTURES TO BE CONFIRMED ON SITE



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LEGEND

- EXISTING WALL, FLOOR, OR CEILING
- NEW WALL
- EXISTING TO BE REMOVED (GREY DASHED LINE)
- APPROX EXTENT OF EXISTING TO BE DEMOLISHED (GREY DASHED HATCH)

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**EXISTING & DEMO
SITE PLAN**

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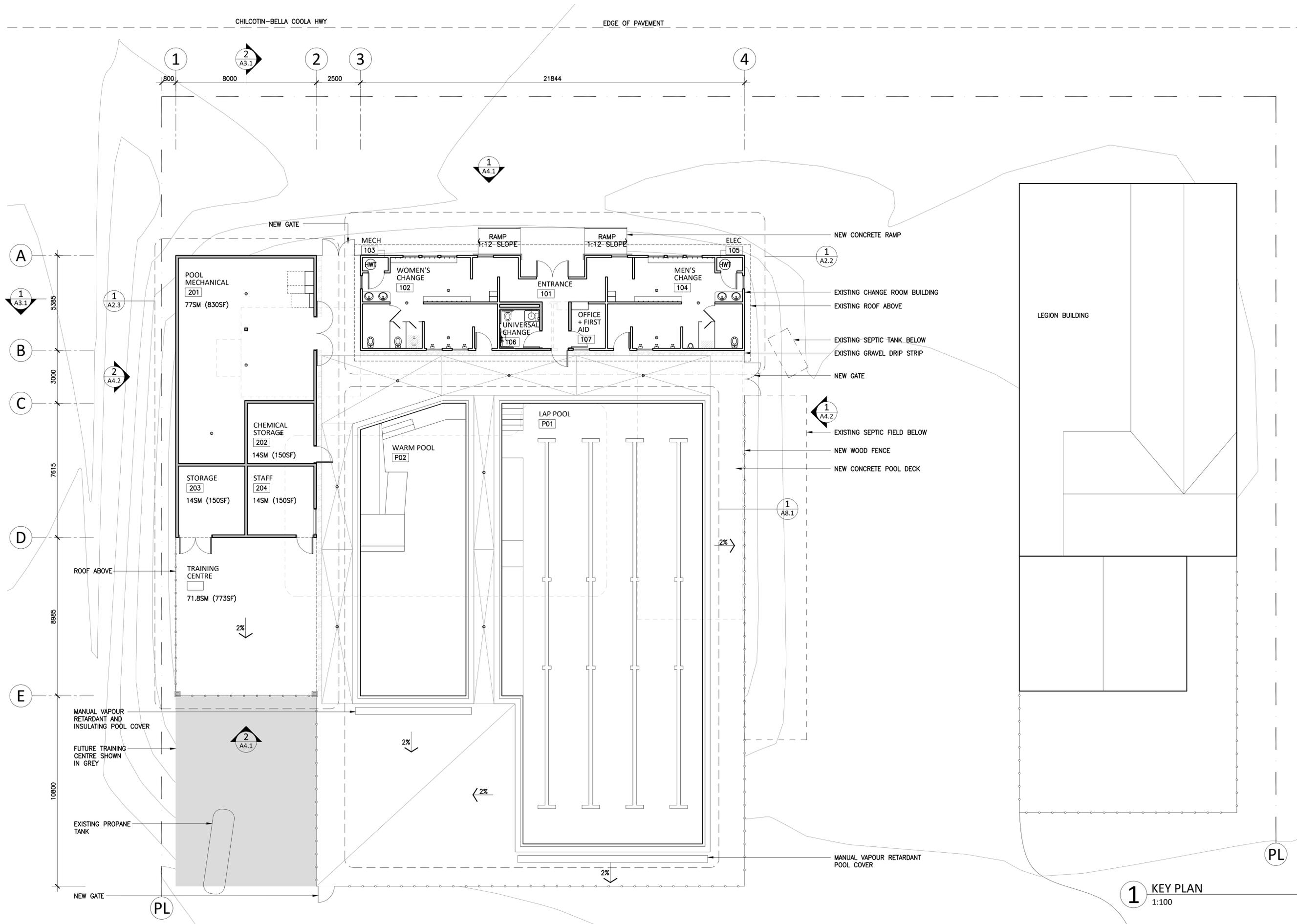
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1 EXISTING SITE PLAN
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1 KEY PLAN
1:100



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LEGEND

- EXISTING WALL, FLOOR, OR CEILING
- NEW WALL
- - - EXISTING TO BE REMOVED (GREY DASHED LINE)
- /// APPROX EXTENT OF EXISTING TO BE DEMOLISHED (GREY DASHED HATCH)

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KEY PLAN, POOL, & DECK PLAN

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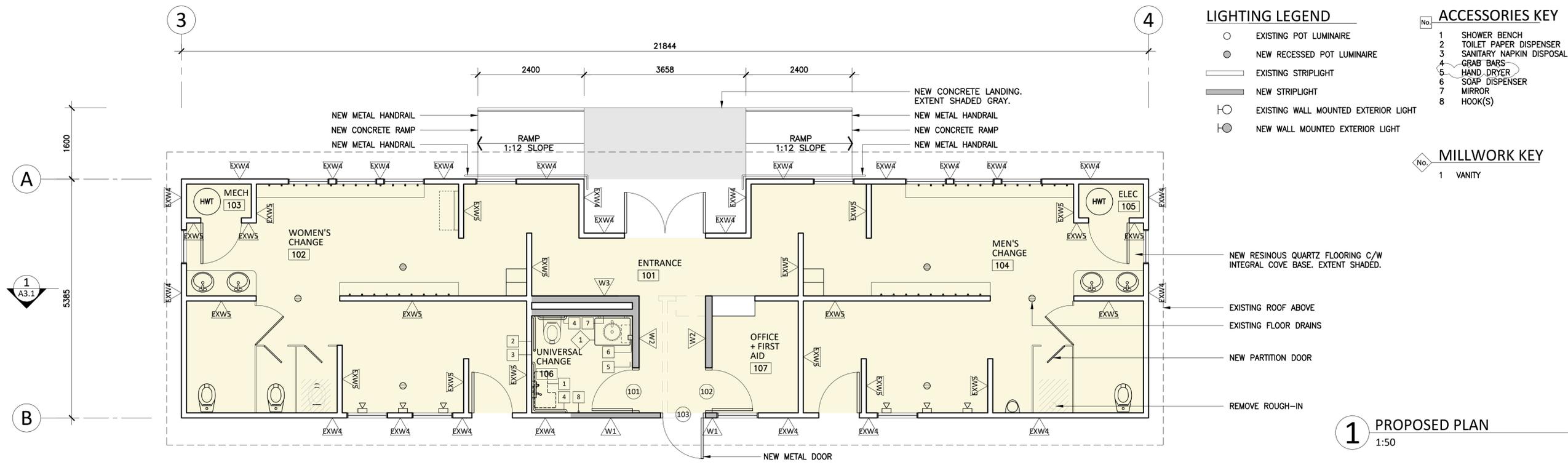
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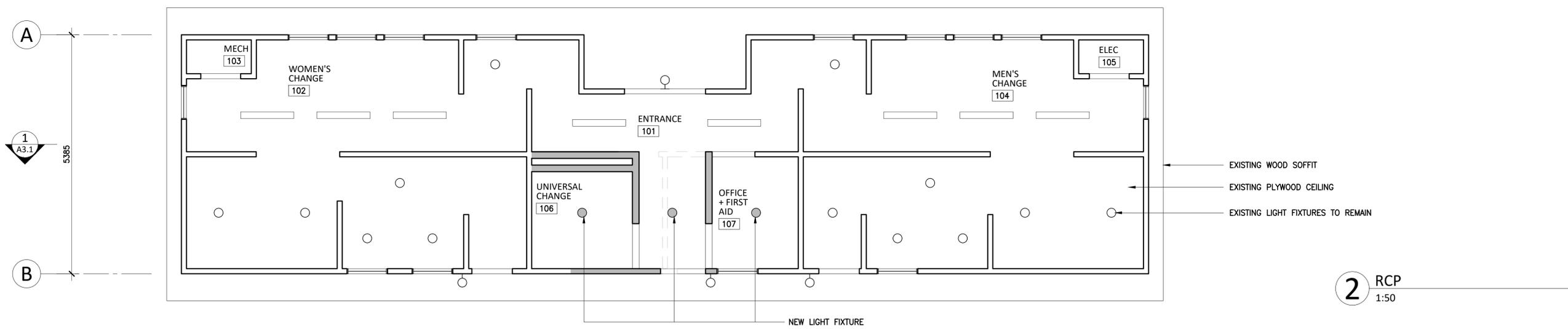
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A2.1

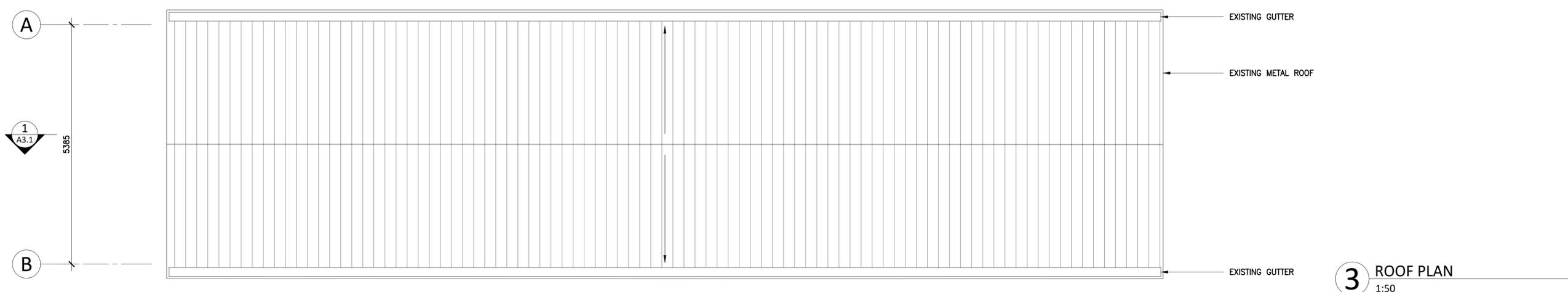
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1 PROPOSED PLAN
1:50



2 RCP
1:50



3 ROOF PLAN
1:50

LIGHTING LEGEND

- EXISTING POT LUMINAIRE
- NEW RECESSED POT LUMINAIRE
- EXISTING STRIPLIGHT
- NEW STRIPLIGHT
- EXISTING WALL MOUNTED EXTERIOR LIGHT
- NEW WALL MOUNTED EXTERIOR LIGHT

ACCESSORIES KEY

- No. 1 SHOWER BENCH
- 2 TOILET PAPER DISPENSER
- 3 SANITARY NAPKIN DISPOSAL
- 4 GRAB BARS
- 5 HAND DRYER
- 6 SOAP DISPENSER
- 7 MIRROR
- 8 HOOK(S)

MILLWORK KEY

- No. 1 VANITY



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LEGEND

- EXISTING WALL, FLOOR, OR CEILING
- NEW WALL
- - - EXISTING TO BE REMOVED (GREY DASHED LINE)
- /// APPROX EXTENT OF EXISTING TO BE DEMOLISHED (GREY DASHED HATCH)

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ISSUED FOR 50% DD JAN 11 2024

Carscadden

PROJECT ADDRESS
**1853 CHILCOTIN-BELLA
COOLA HWY
HAGENSBORG,
BC, V0T 1H0**

JOB TITLE
BELLA COOLA POOL

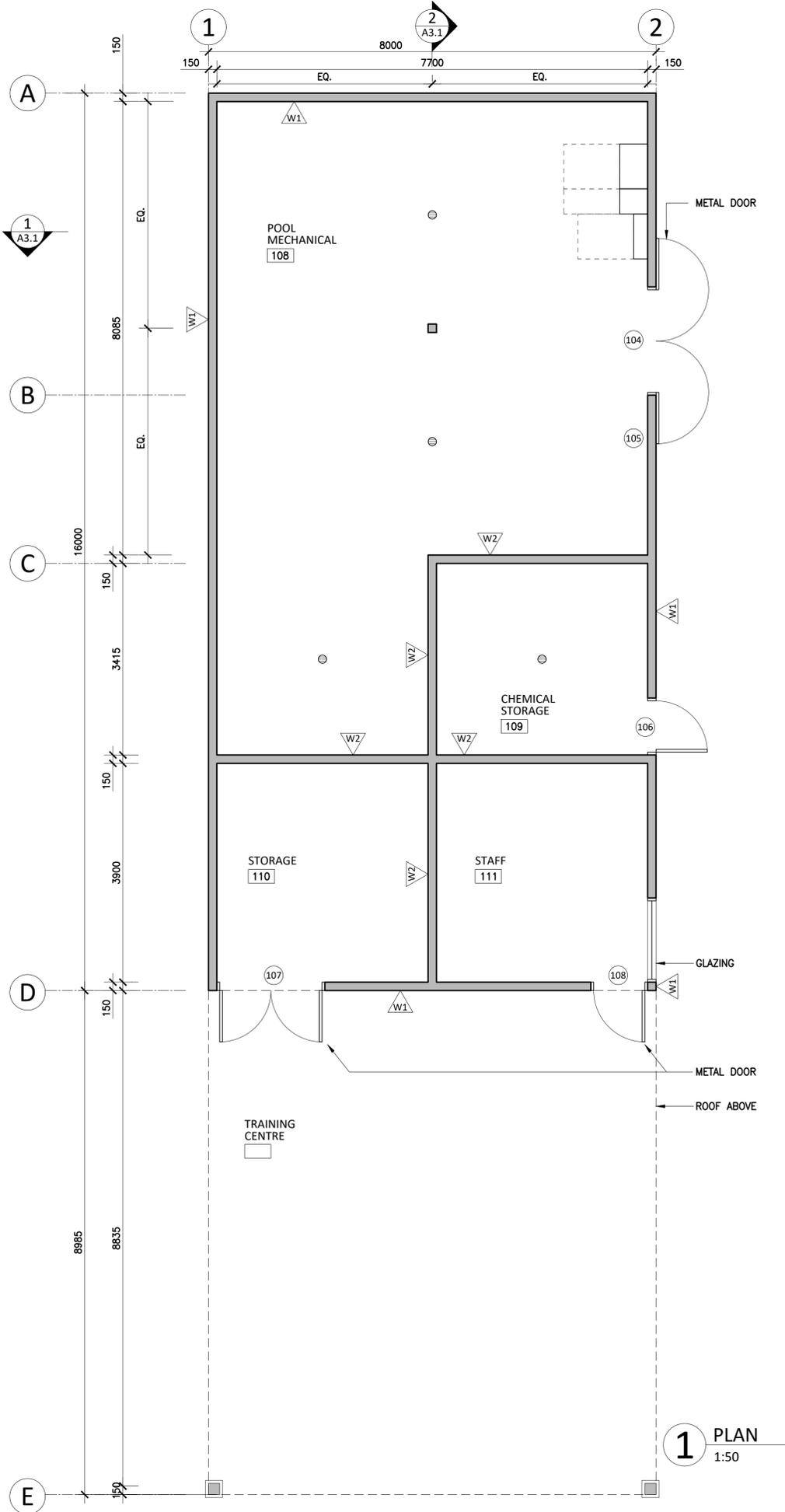
PLANS

DRAWN MH	CHECKED AJ/GS
JOB NO. 23-26	DATE NOVEMBER 2023
SCALE 1:50	SHEET SIZE ANSI D

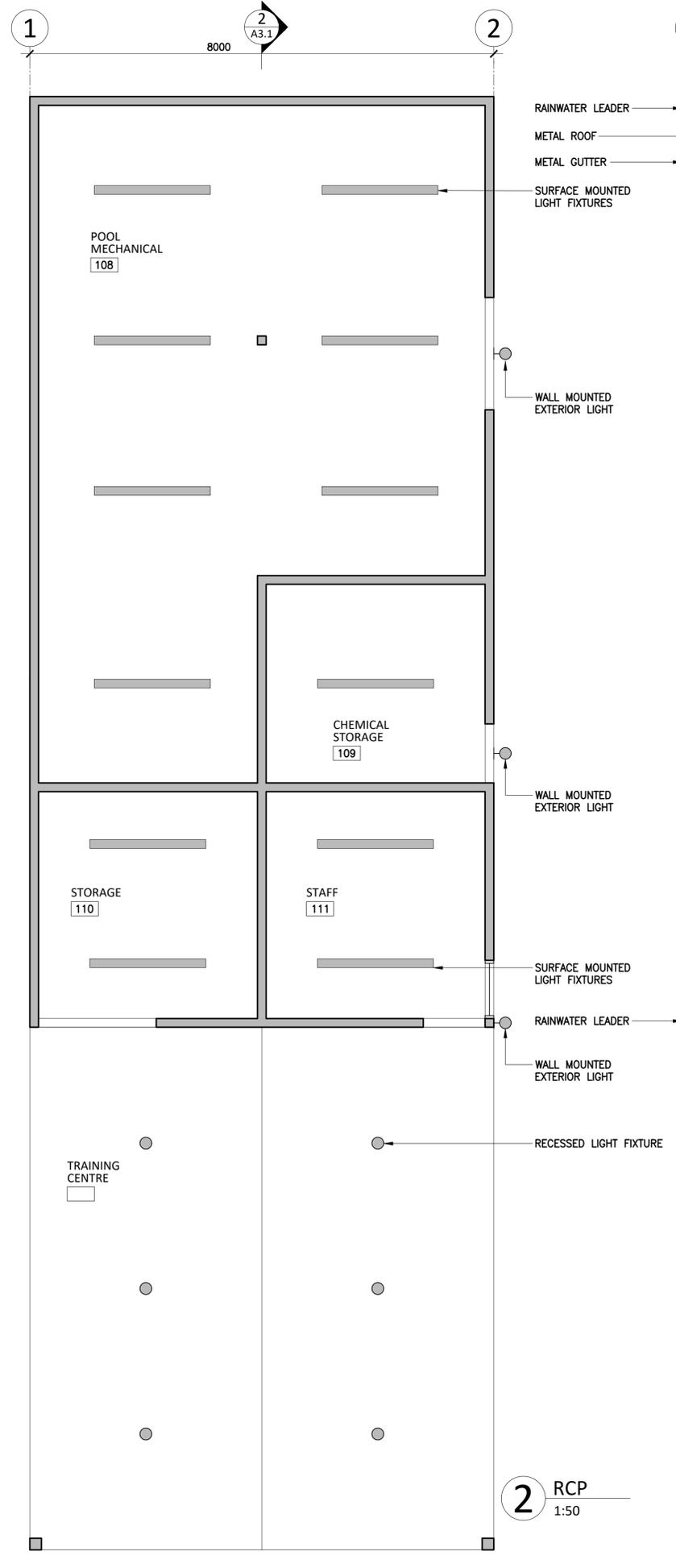
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SHEET
A2.2

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1 PLAN
1:50



2 RCP
1:50



3 ROOF PLAN
1:50

LIGHTING LEGEND

- EXISTING POT LUMINAIRE
- NEW RECESSED POT LUMINAIRE
- ▬ EXISTING STRIPLIGHT
- ▬ NEW STRIPLIGHT
- EXISTING WALL MOUNTED EXTERIOR LIGHT
- NEW WALL MOUNTED EXTERIOR LIGHT



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LEGEND

- ▬ EXISTING WALL, FLOOR, OR CEILING
- ▬ NEW WALL
- - - EXISTING TO BE REMOVED (GREY DASHED LINE)
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JOB TITLE
BELLA COOLA POOL

SHEET TITLE
PLANS

DRAWN: MH CHECKED: AJ/GS

JOB NO.: 23-26 DATE: NOVEMBER 2023

SCALE: 1:50 SHEET SIZE: ANSI D

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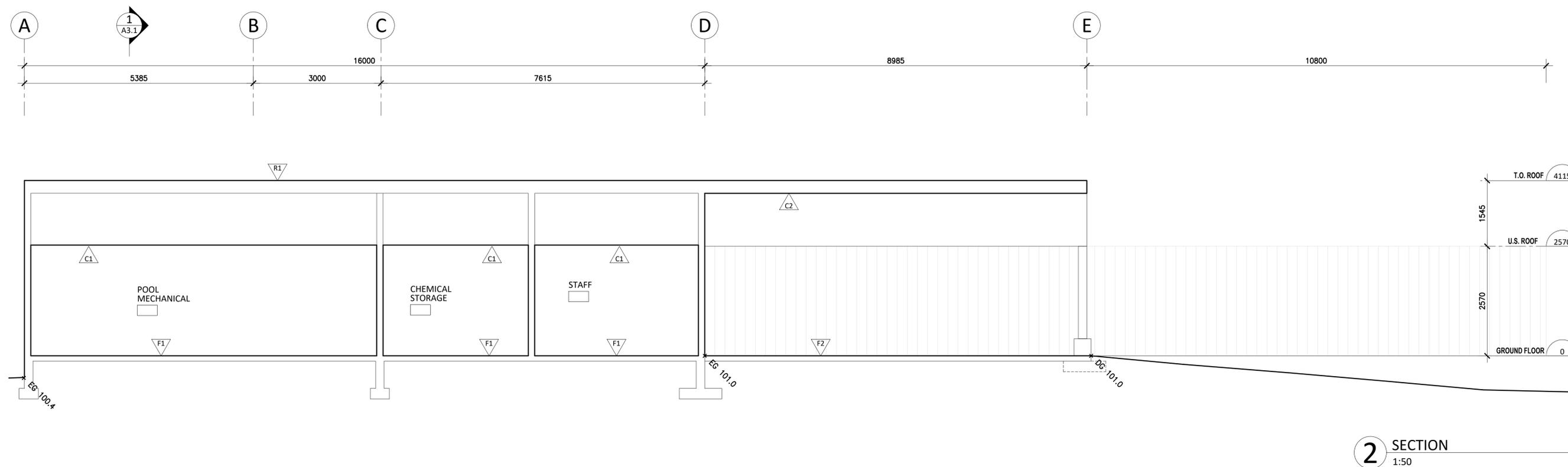
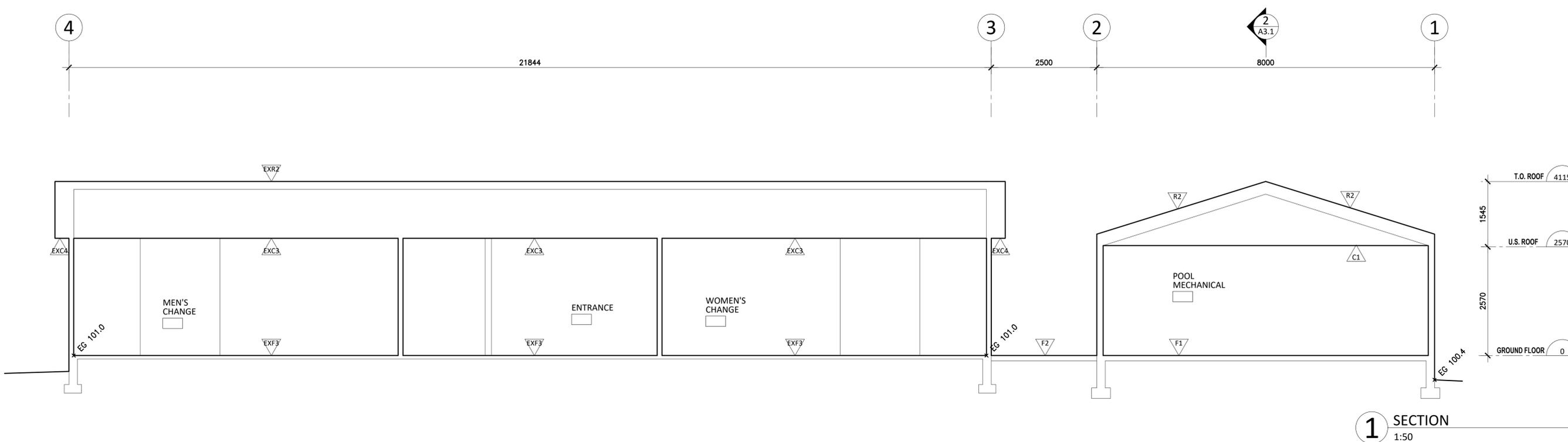
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BC, V0T 1H0**

JOB TITLE
BELLA COOLA POOL

SHEET TITLE
SECTIONS

DRAWN: MH CHECKED: AJ/GS

JOB NO.: 23-26 DATE: NOVEMBER 2023

SCALE: 1:50 SHEET SIZE: ANSI D

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SHEET

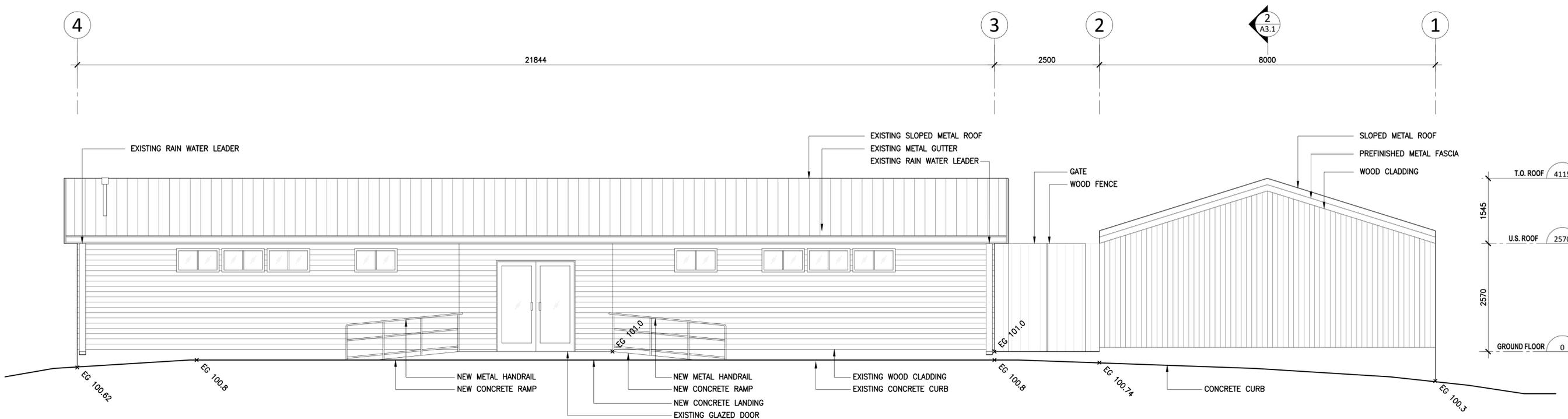
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1 NORTH ELEVATION
1:50

LEGEND

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- NEW WALL
- EXISTING TO BE REMOVED (GREY DASHED LINE)
- APPROX EXTENT OF EXISTING TO BE DEMOLISHED (GREY DASHED HATCH)

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BC, V0T 1H0**

JOB TITLE
BELLA COOLA POOL

SHEET TITLE
ELEVATIONS

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JOB NO. 23-26	DATE NOVEMBER 2023
SCALE 1:50	SHEET SIZE ANSI D

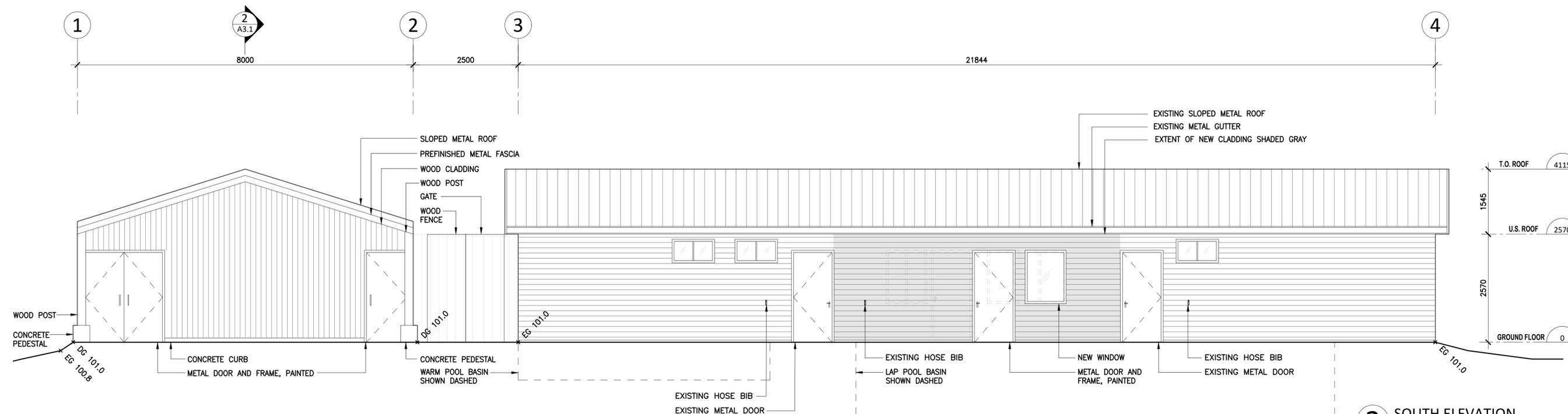
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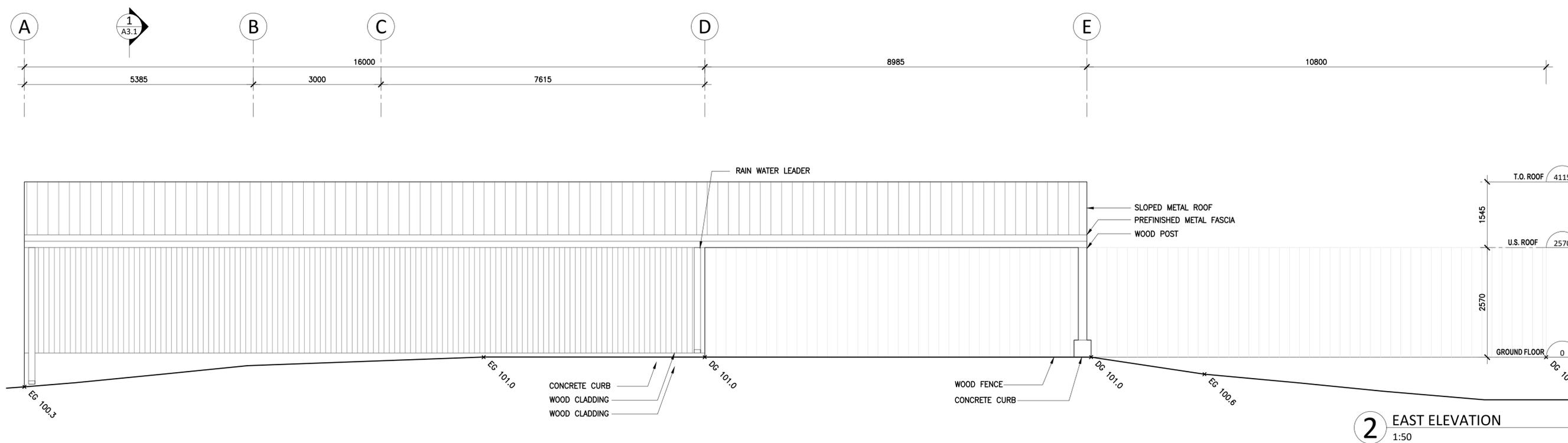
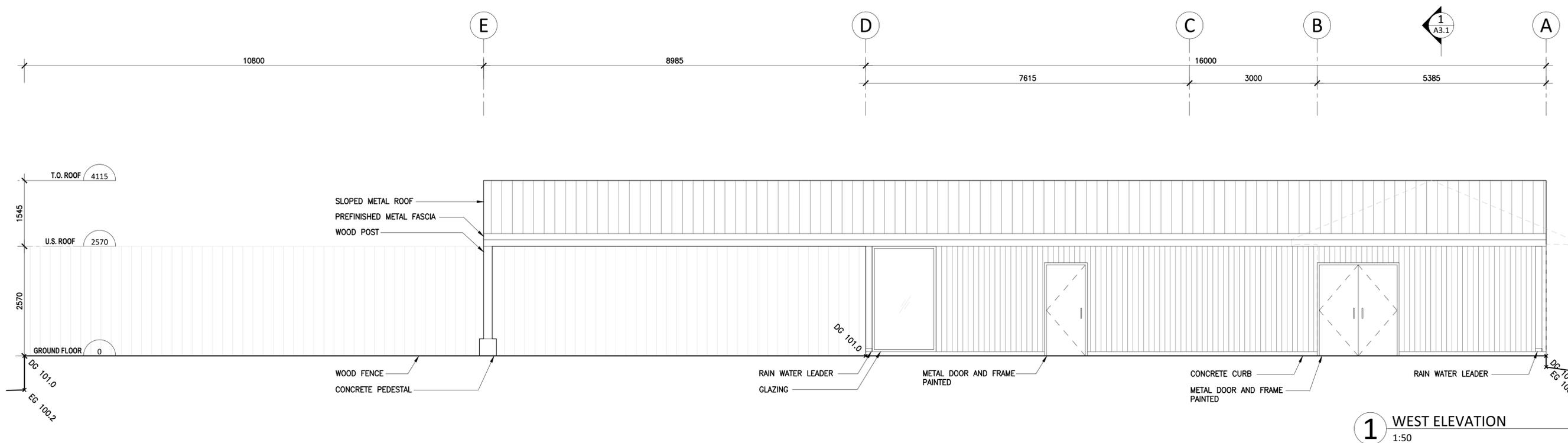


2 SOUTH ELEVATION
1:50



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BC, V0T 1H0

JOB TITLE

BELLA COOLA POOL

SHEET TITLE

ELEVATIONS

DRAWN

MH

CHECKED

AJ/GS

JOB NO.

23-26

DATE

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SCALE

1:50

SHEET SIZE

ANSI D

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1 NORTH PERSPECTIVE
NTS



2 EAST PERSPECTIVE
NTS



3 SOUTH EAST PERSPECTIVE
NTS

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BC, V0T 1H0**

JOB TITLE

BELLA COOLA POOL

SHEET TITLE

RENDERS

DRAWN

MH

CHECKED

AJ/GS

JOB NO.

23-26

DATE

NOVEMBER 2023

SCALE

NTS

SHEET SIZE

ANSI D

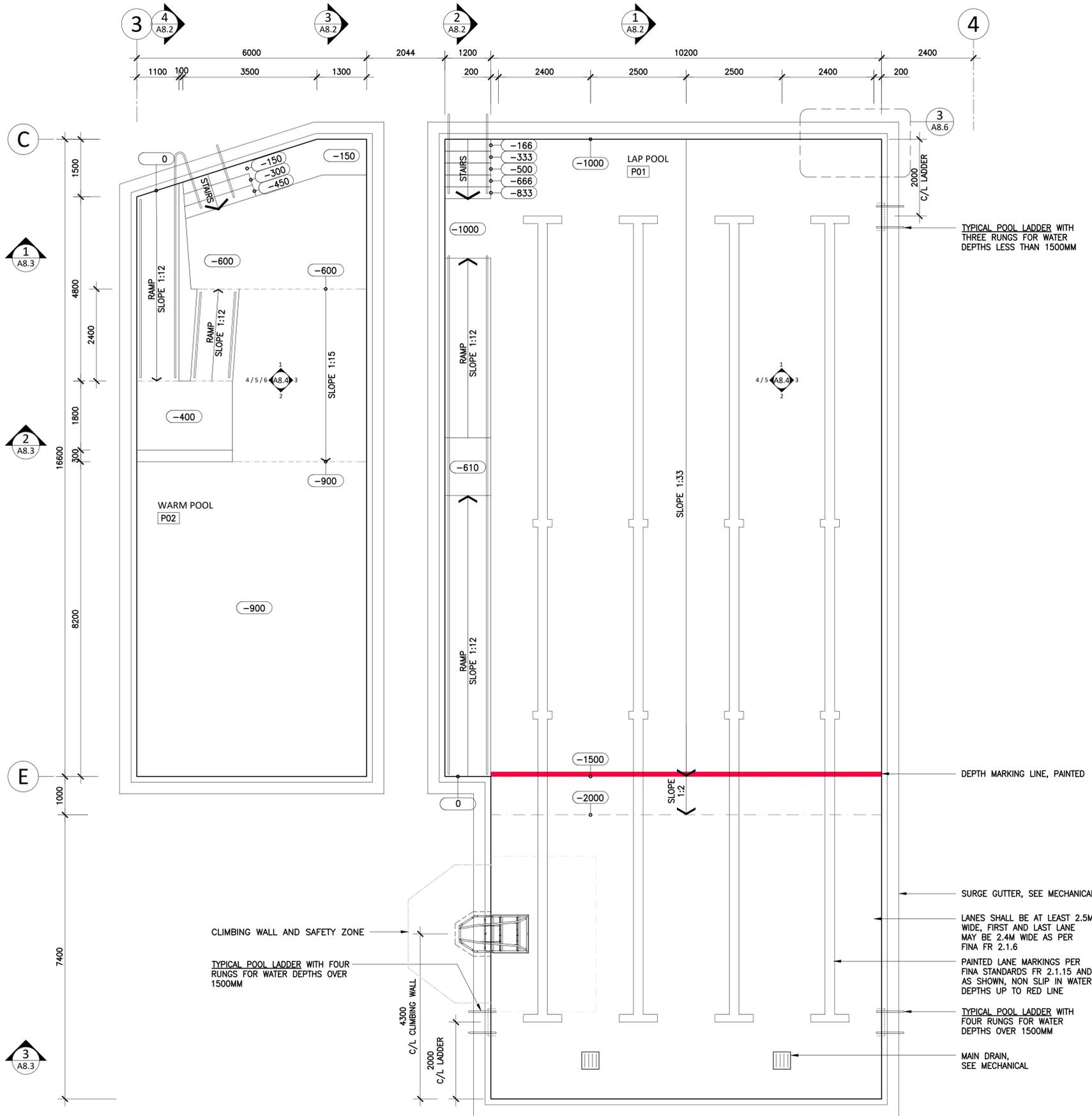
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1 WARM POOL PLAN
1:60

2 LAP POOL PLAN
1:60



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JOB TITLE
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SHEET TITLE
KEY POOL PLANS

DRAWN CHECKED
MH AJ/GS

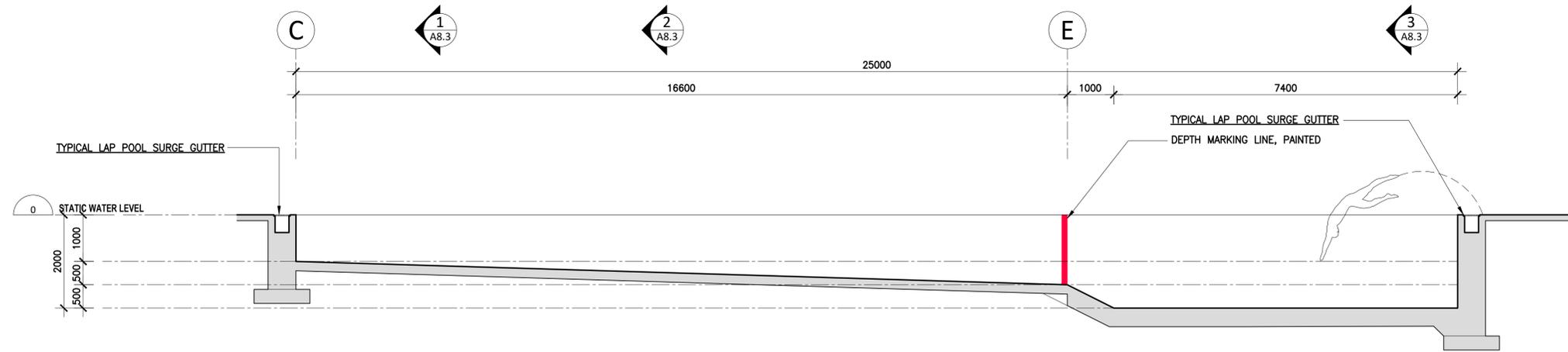
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23-26 NOVEMBER 2023

SCALE SHEET SIZE
1:60 ANSI D

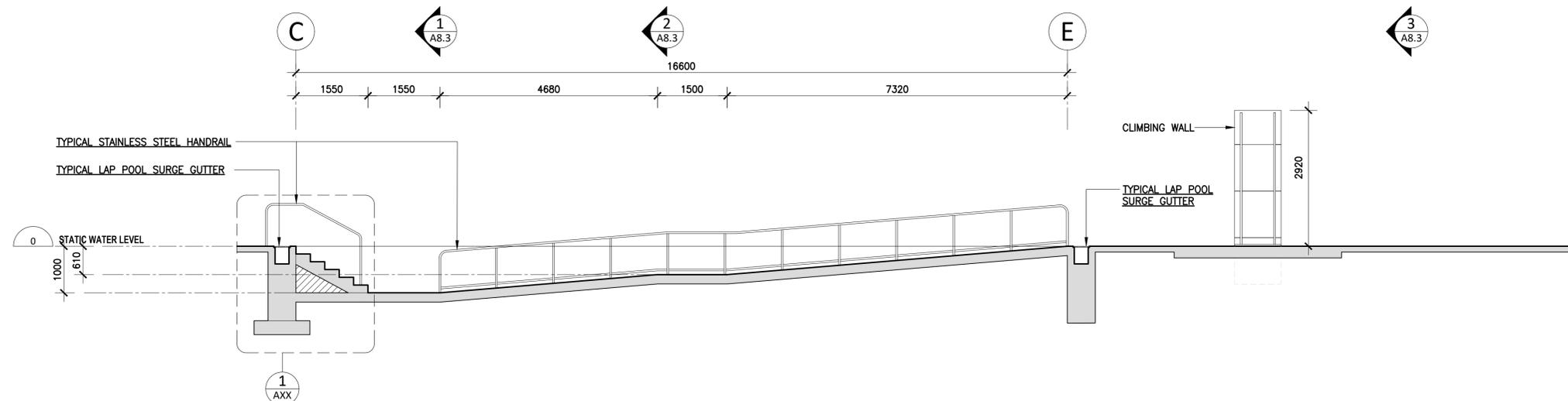
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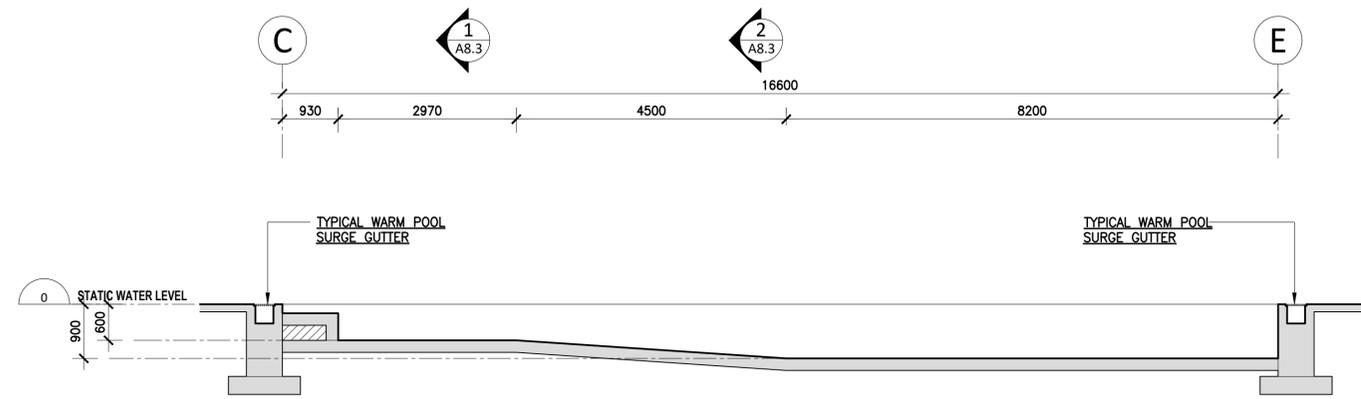
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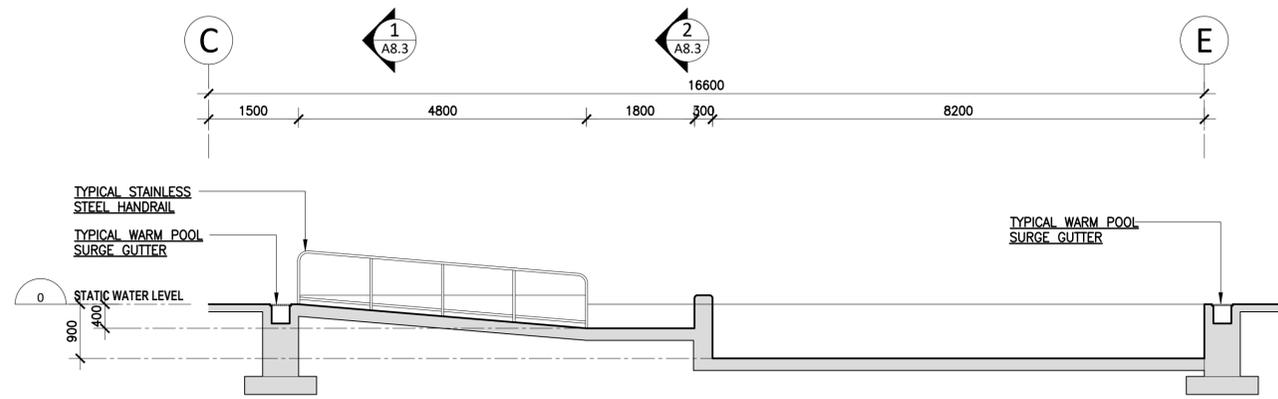
1 LAP POOL SECTION
1:60



2 LAP POOL RAMP SECTION
1:60



3 WARM POOL SECTION
1:60



4 WARM POOL RAMP SECTION
1:60



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COOLA HWY
HAGENSBORG,
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JOB TITLE
BELLA COOLA POOL

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POOL SECTIONS

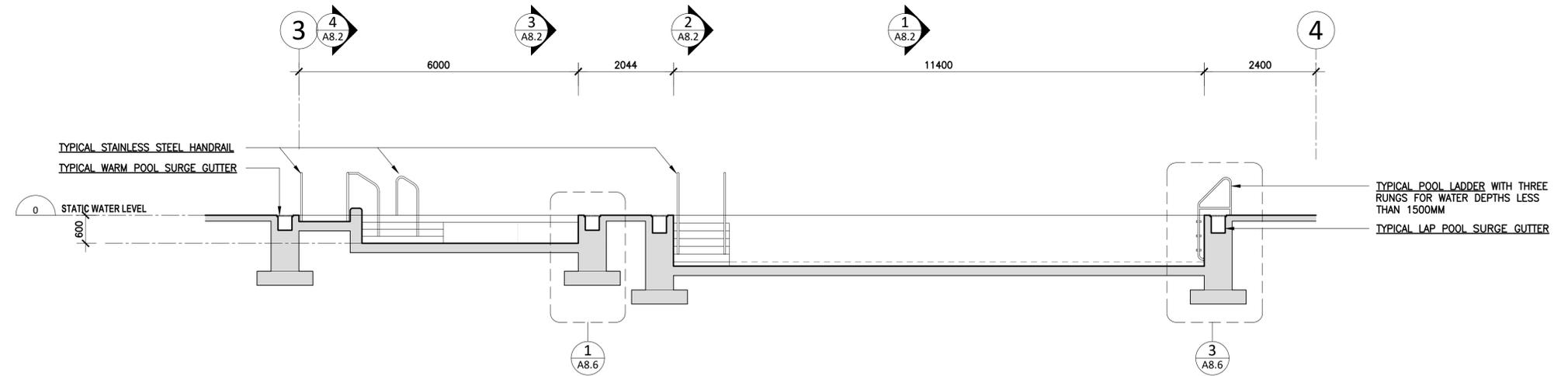
DRAWN MH	CHECKED AJ/GS
JOB NO. 23-26	DATE NOVEMBER 2023

SCALE 1:60	SHEET SIZE ANSI D
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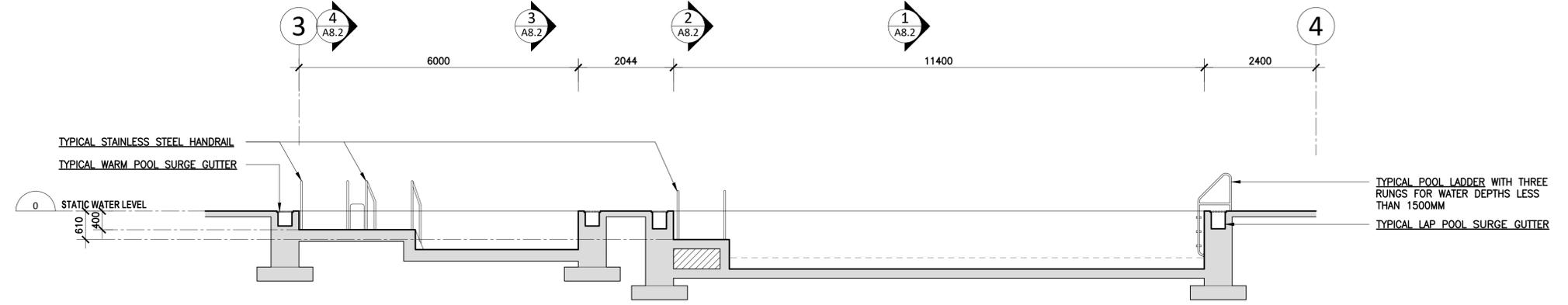
OWNER'S REFERENCE INFORMATION

SHEET
A8.2

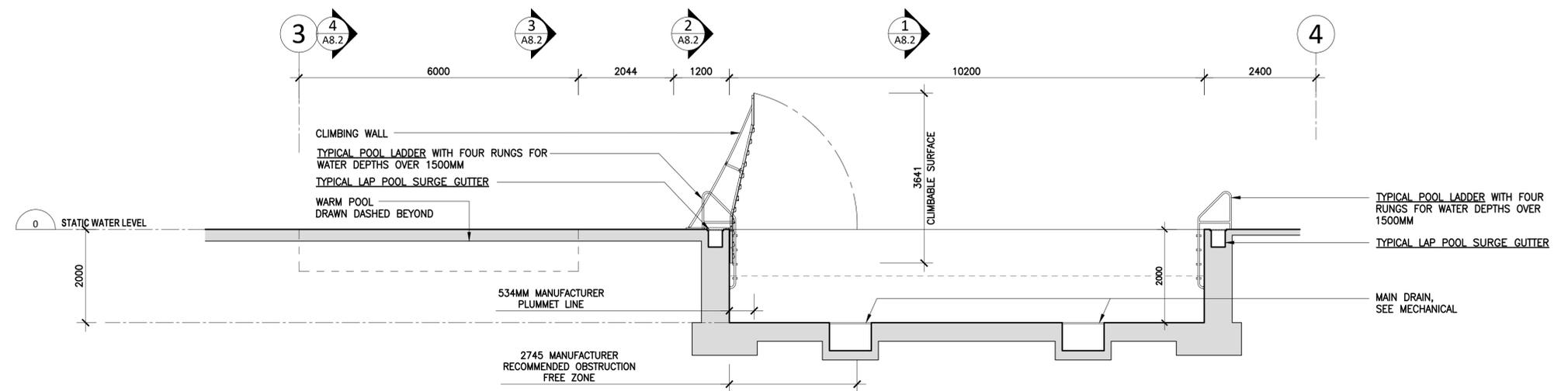
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1 LAP POOL & WARM POOL SECTION
1:60



2 LAP POOL RAMP SECTION
1:60



3 WARM POOL SECTION
1:60



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BC, V0T 1H0**

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BELLA COOLA POOL

SHEET TITLE
POOL SECTIONS

DRAWN CHECKED
MH AJ/GS

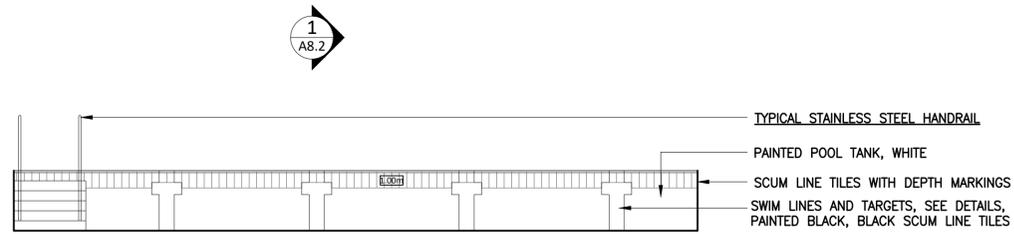
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23-26 NOVEMBER 2023

SCALE SHEET SIZE
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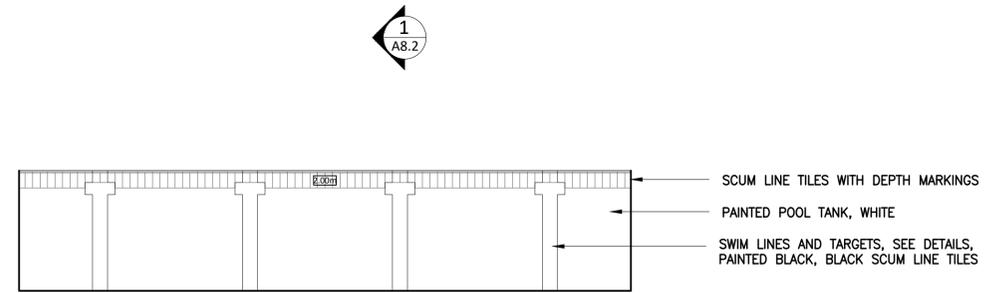
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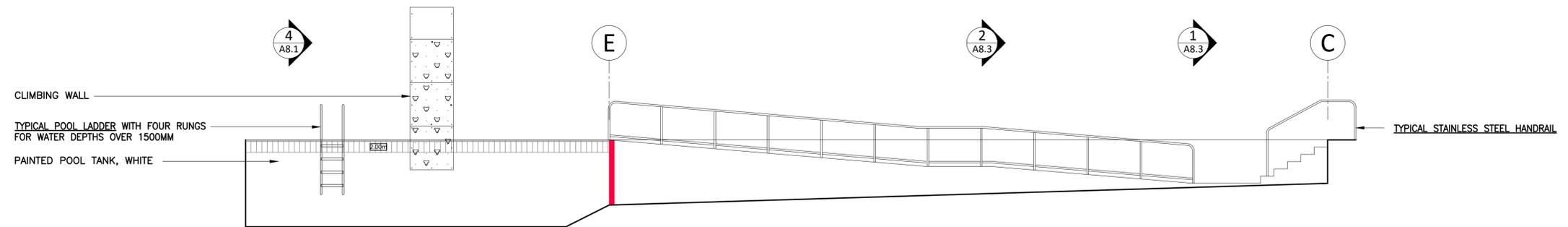
1 LAP POOL ELEVATION - NORTH
1:60



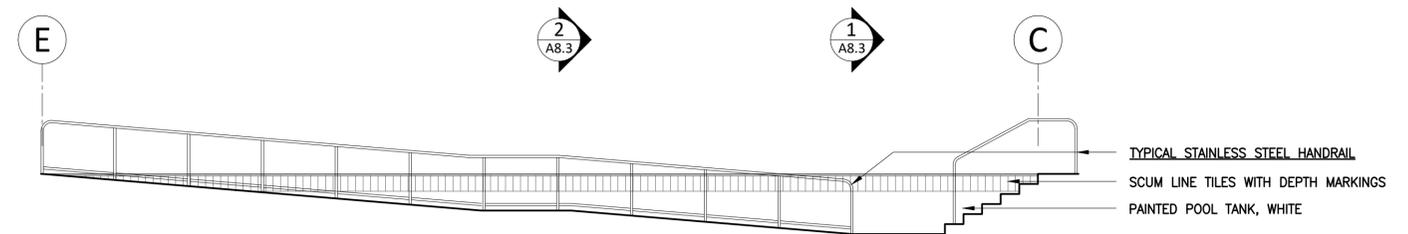
2 LAP POOL ELEVATION - SOUTH
1:60



3 LAP POOL ELEVATION - EAST
1:60



4 LAP POOL ELEVATION - WEST
1:60



5 LAP POOL ELEVATION - RAMP AND STAIR
1:60



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PROJECT ADDRESS
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COOLA HWY
HAGENSBORG,
BC, V0T 1H0**

JOB TITLE
BELLA COOLA POOL

SHEET TITLE
POOL ELEVATIONS

DRAWN CHECKED
MH AJ/GS

JOB NO. DATE
23-26 NOVEMBER 2023

SCALE SHEET SIZE
1:60 ANSI D

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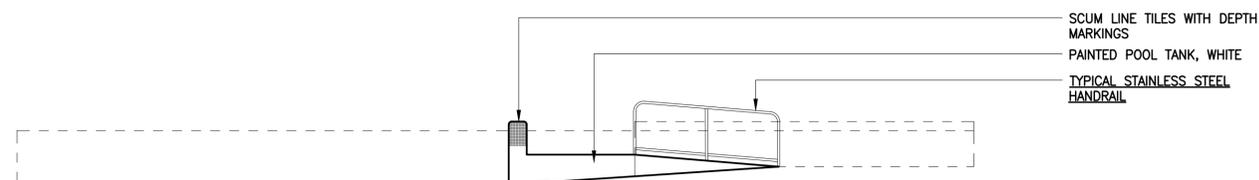
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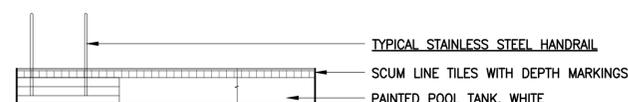
4 WARM POOL ELEVATION - EAST
1:60



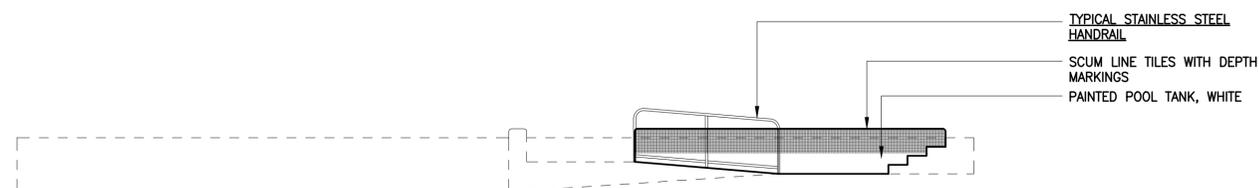
1 WARM POOL ELEVATION - NORTH
1:60



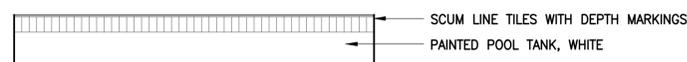
5 WARM POOL ELEVATION - WEST
1:60



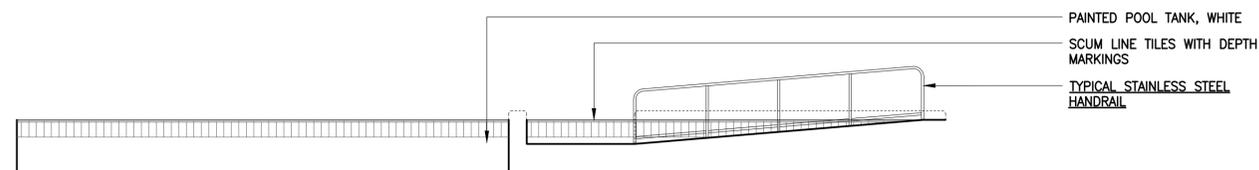
2 WARM POOL ELEVATION - NORTH
1:60



6 WARM POOL ELEVATION - WEST
1:60



3 WARM POOL ELEVATION - SOUTH
1:60



7 WARM POOL ELEVATION - WEST
1:60

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JOB TITLE
BELLA COOLA POOL

SHEET TITLE
POOL ELEVATIONS

DRAWN CHECKED
MH AJ/GS

JOB NO. DATE
23-26 NOVEMBER 2023

SCALE SHEET SIZE
1:60 ANSI D

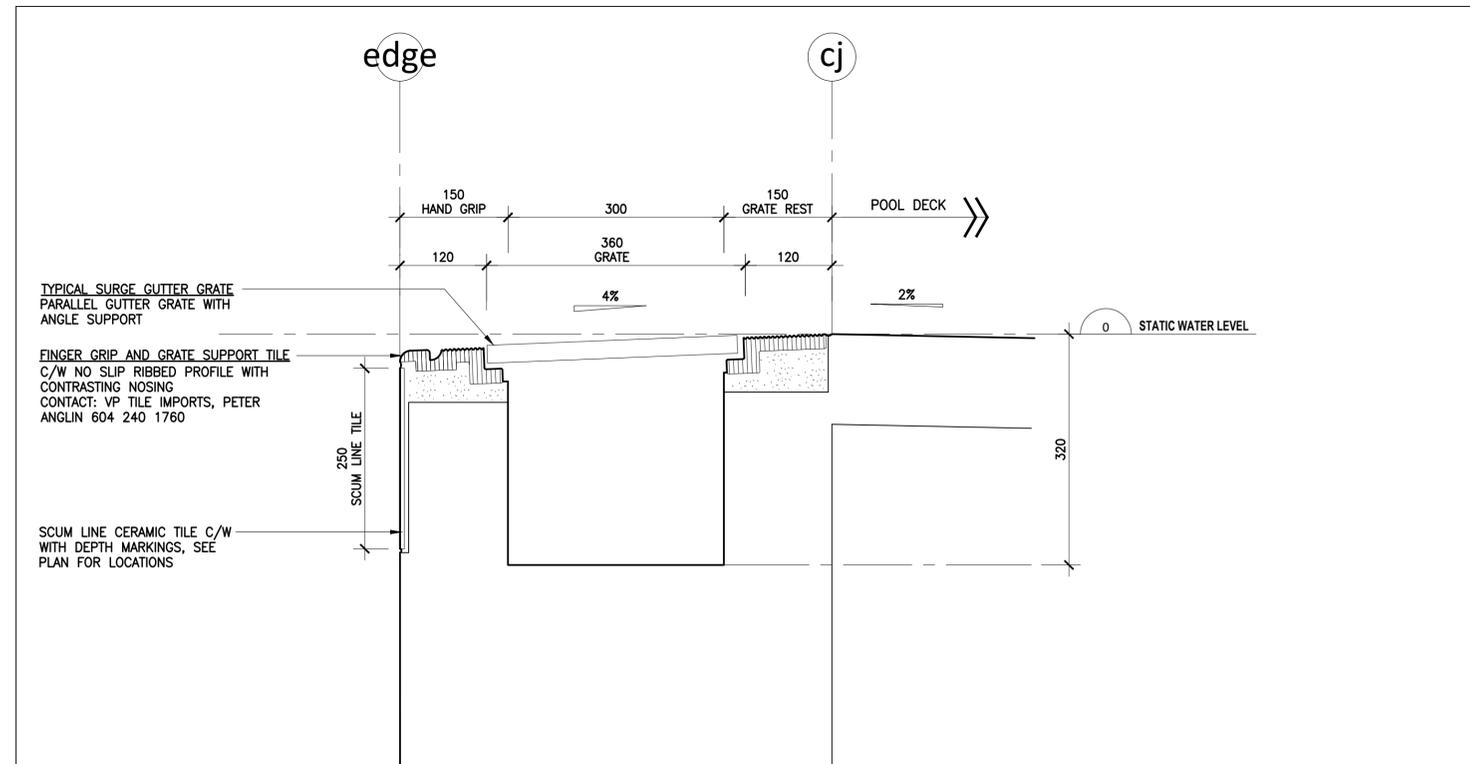
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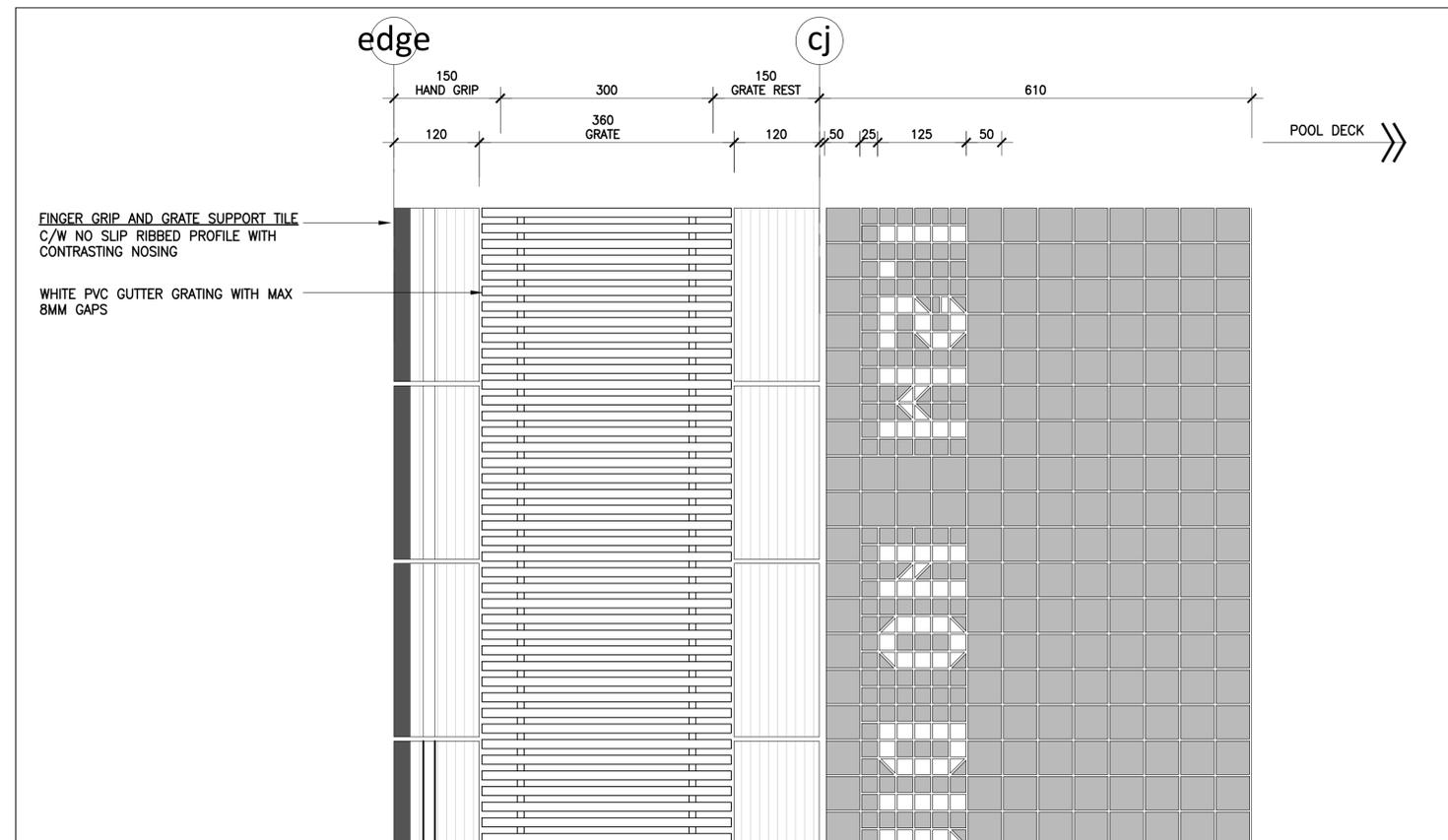
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1 SECTION DETAIL @ TYP. WARM POOL GUTTER
1:10



2 PLAN DETAIL @ TYP. WARM POOL GUTTER
1:10



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COOLA HWY
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JOB TITLE
BELLA COOLA POOL

SHEET TITLE
**TYPICAL POOL GUTTER
DETAIL**

DRAWN
MH

CHECKED
AJ/GS

JOB NO.
23-26

DATE
NOVEMBER 2023

SCALE
1:5

SHEET SIZE
ANSI D

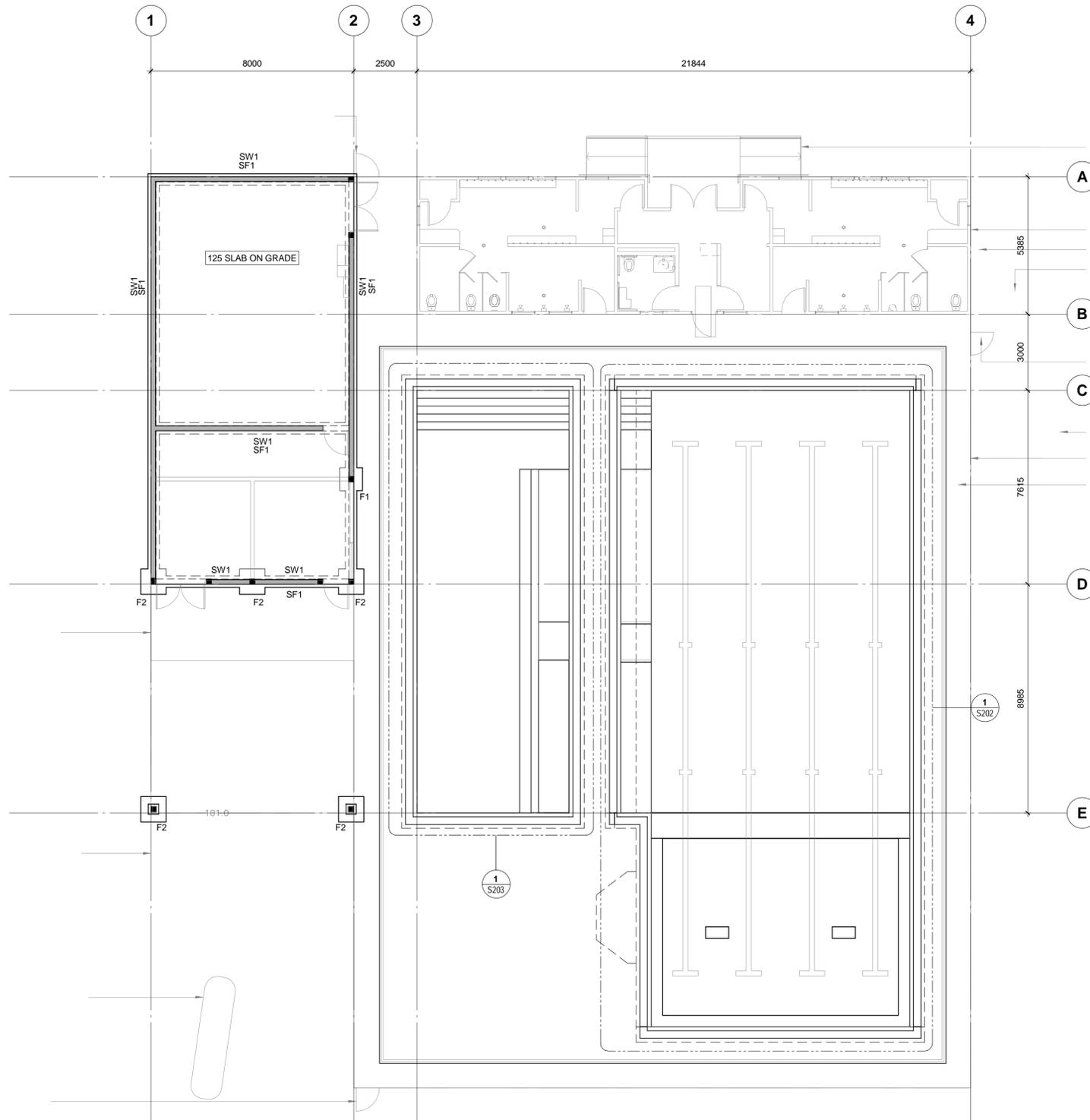
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1 FLOOR PLAN
1:100

FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
F1	900X900X250 DP.	
F2	1000X1000X250 DP.	

STRIP FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
SF1	450X250 DP.	

CONCRETE PEDESTAL SCHEDULE (f'c = 35MPa)		
MARK	SIZE	REINFORCING
P1	400 X 400	4-C15M VERTS + 10M @ 225 TIES

NOTES:
1. PROVIDE 3 EXTRA TIES AT THE TOP OF THE PEDESTALS.

No.	Revision	Date	By
1	ISSUED FOR 90% DD	20240215	

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Seal

Project Name

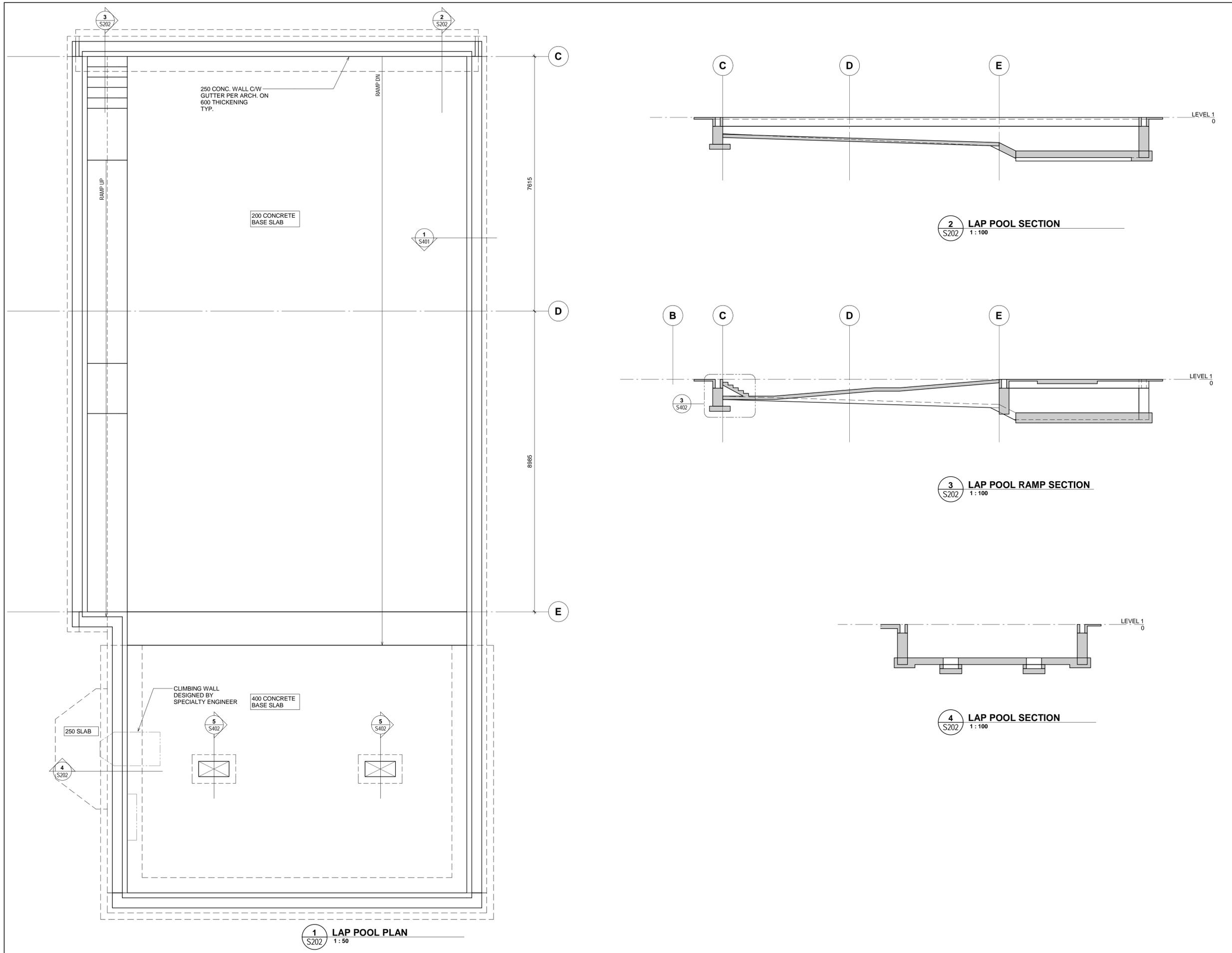
BELLA COOLA POOL

Sheet Title

LEVEL 1 PLAN

Drawn By Author Scale As indicated
Designed By Designer Date Issue Date
RJC Project Number **VAN.136883.0001**

Sheet Number **S201** Revision **1**



No.	Revision	Date	By
1	ISSUED FOR 90% DD	20240215	

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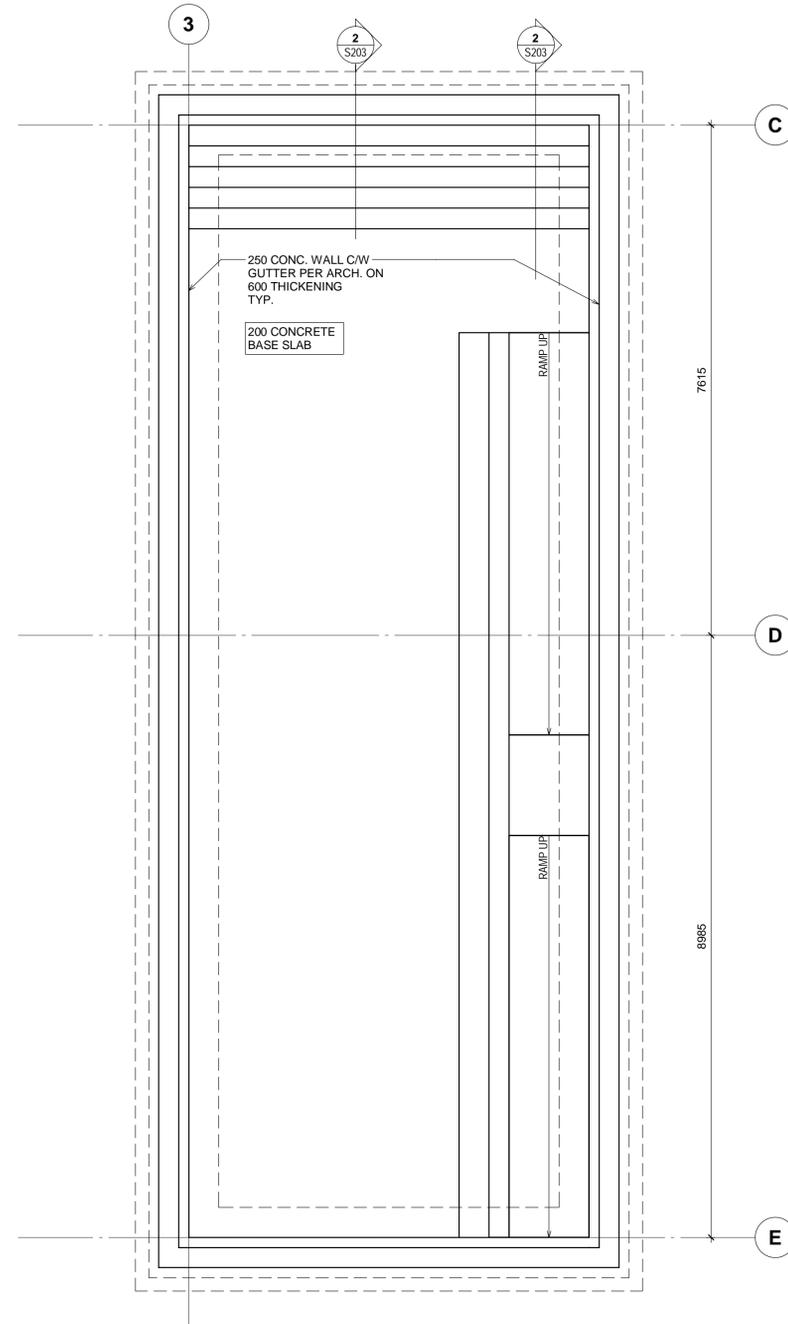
Seal

Project Name
BELLA COOLA POOL

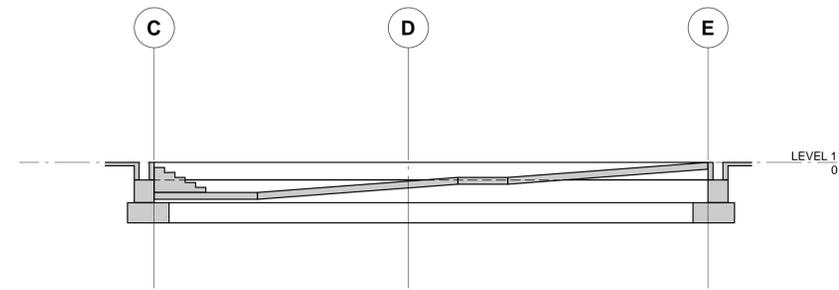
Sheet Title
LAP POOL PLAN AND SECTIONS

Drawn By Author Scale As indicated
Designed By Designer Date Issue Date
RJC Project Number **VAN.136883.0001**

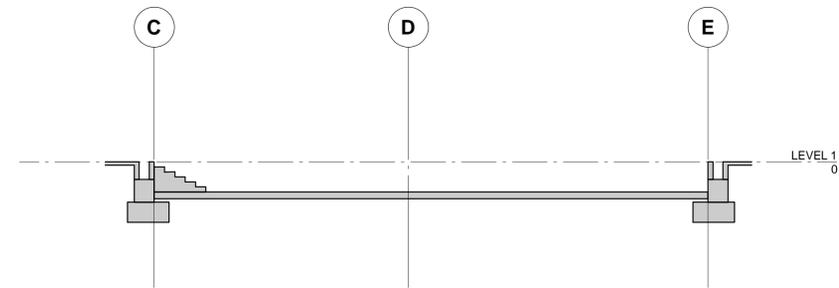
Sheet Number Revision
S202 **1**



1 WARM POOL PLAN
S203 1:50



2 WARM POOL RAMP SECTION
S203 1:100



3 WARM POOL SECTION
S203 1:100

1	ISSUED FOR 90% DD	20240215	
No.	Revision	Date	By

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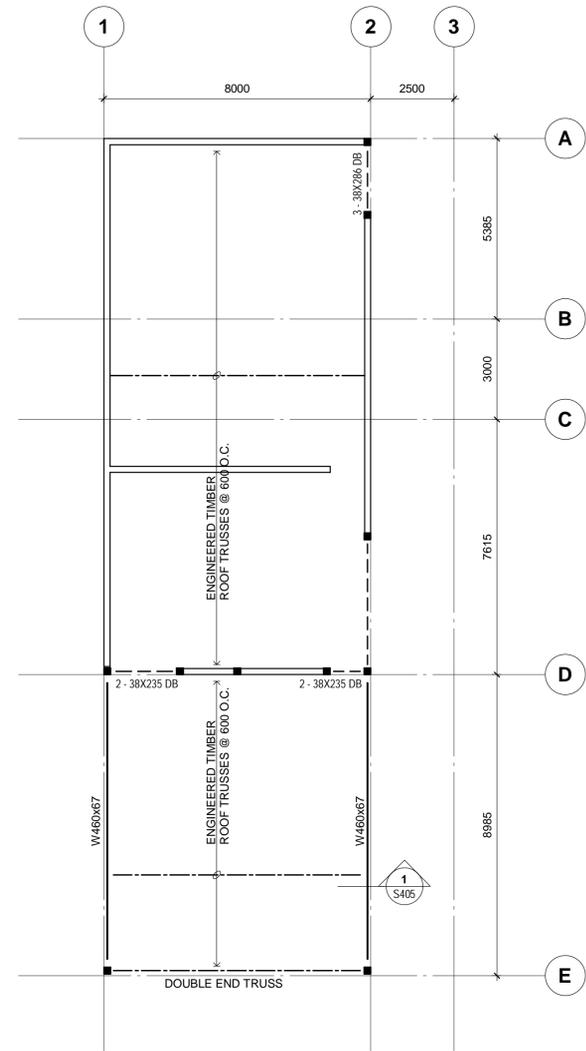
Seal

Project Name
BELLA COOLA POOL

Sheet Title
WARM POOL PLAN AND SECTIONS

Drawn By	Author	Scale	As indicated
Designed By	Designer	Date	Issue Date
RJC Project Number	VAN.136883.0001		

Sheet Number **S203** Revision **1**



1 ROOF FRAMING PLAN
S211 1 : 100

No.	Revision	Date	By
1	ISSUED FOR 90% DD	20240215	

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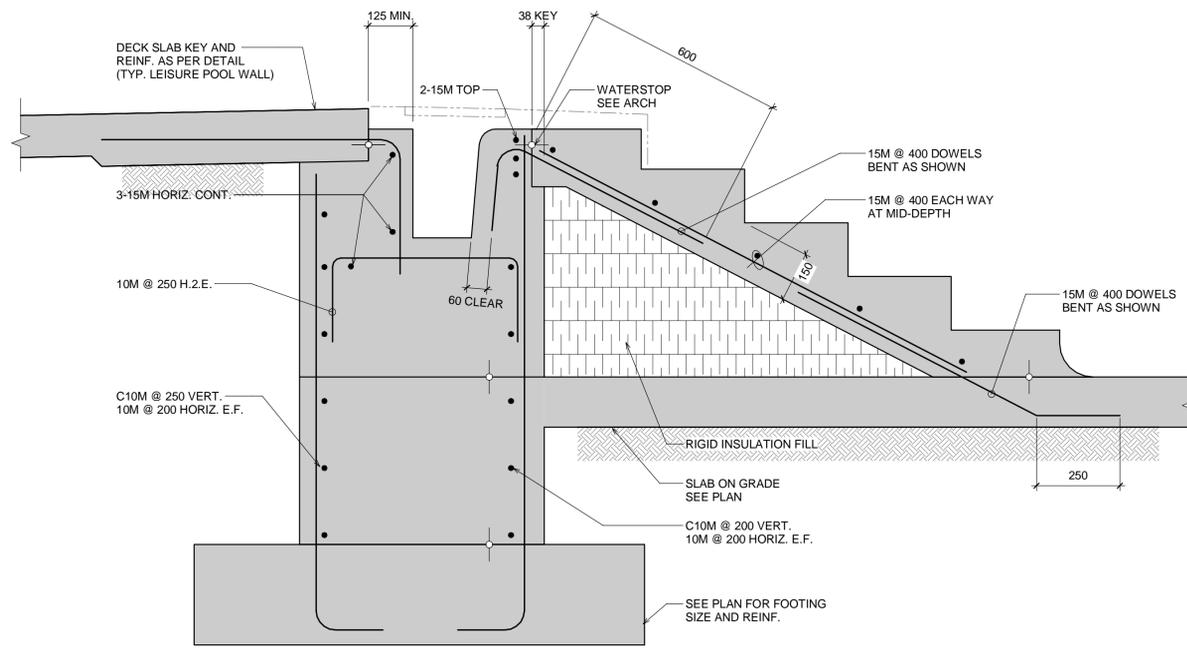
Seal

Project Name
BELLA COOLA POOL

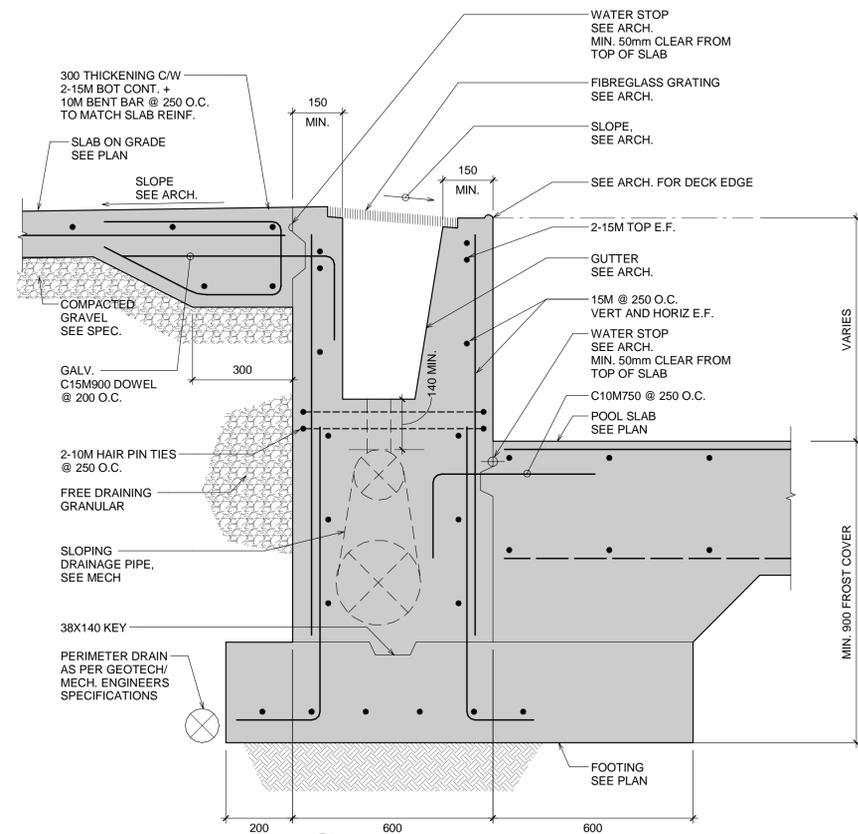
Sheet Title
ROOF FRAMING PLAN

Drawn By Author Scale 1 : 100
Designed By Designer Date Issue Date
RJC Project Number **VAN.136883.0001**

Sheet Number Revision
S211 **1**



3 POOL STAIRS
S401 1:10



1
S401 1:10

1	ISSUED FOR 90% DD	20240215	
No.	Revision	Date	By

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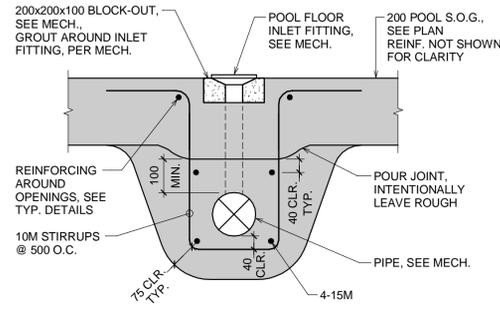
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Project Name
BELLA COOLA POOL

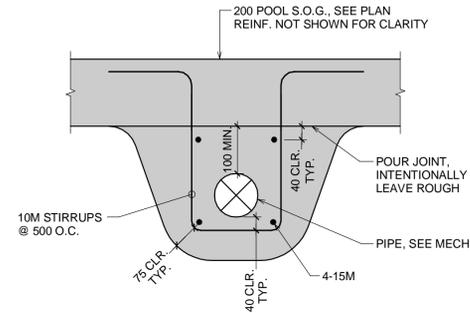
Sheet Title
SECTIONS AND DETAILS

Drawn By **Author** Scale **1:10**
Designed By **Designer** Date **Issue Date**
RJC Project Number **VAN.136883.0001**

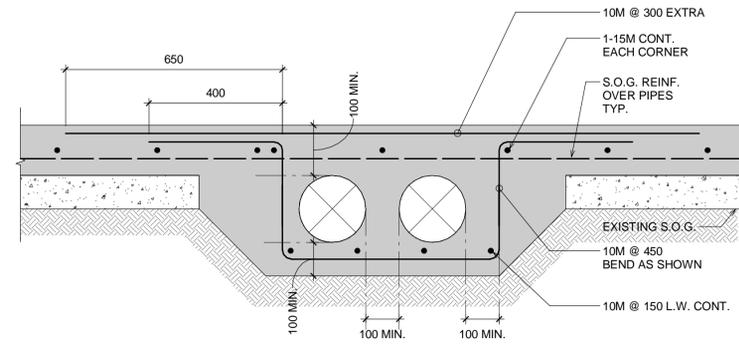
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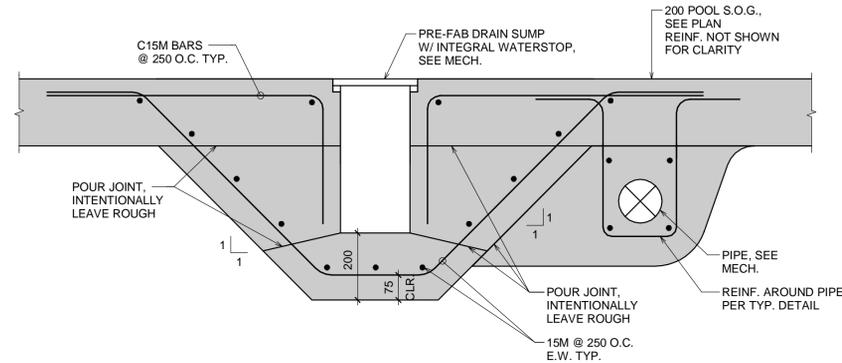
3 TYPICAL POOL FLOOR FITTING
S402 1:10



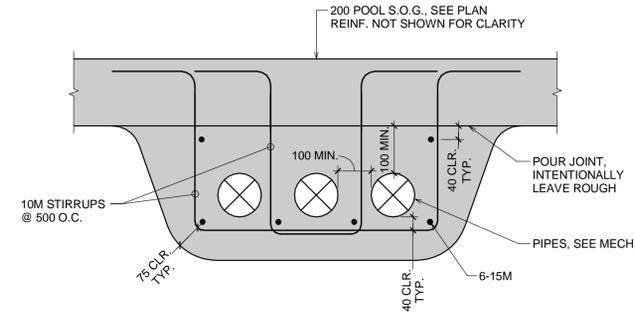
2 TYPICAL PIPE BELOW POOL DECK
S402 1:10



1 TYPICAL MECHANICAL TRENCH - CONCRETE ENCASED PIPES
S402 1:10



5 TYPICAL POOL MAIN DRAIN DETAIL
S402 1:10



4 TYPICAL PIPE GROUPING BELOW POOL DECK
S402 1:10

No.	Revision	Date	By
1	ISSUED FOR 90% DD	20240215	

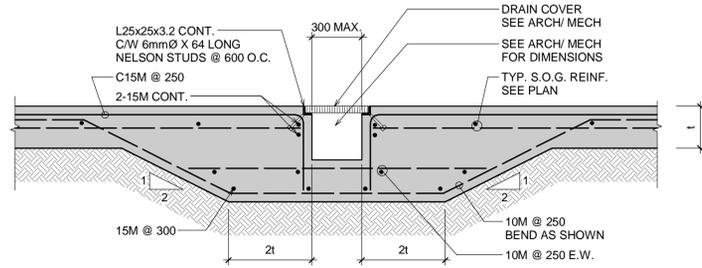
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Seal

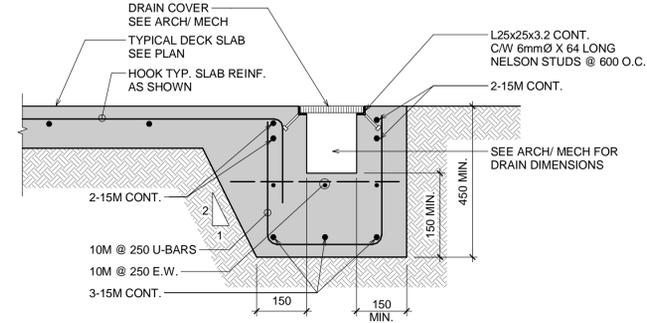
Project Name
BELLA COOLA POOL

Sheet Title
SECTIONS AND DETAILS

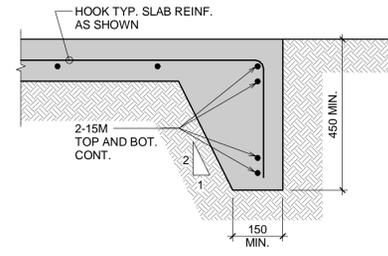
Drawn By **Author** Scale **1:10**
Designed By **Designer** Date **Issue Date**
RJC Project Number **VAN.136883.0001**
Sheet Number **S402** Revision **1**



3
S403 **RECESS AT POOL DECK TRENCH DRAIN**
1 : 10



2
S403 **TYPICAL DECK SLAB EDGE AT TRENCH DRAIN**
1 : 10



1
S403 **TYPICAL DECK SLAB EDGE**
1 : 10

No.	Revision	Date	By
1	ISSUED FOR 90% DD	20240215	

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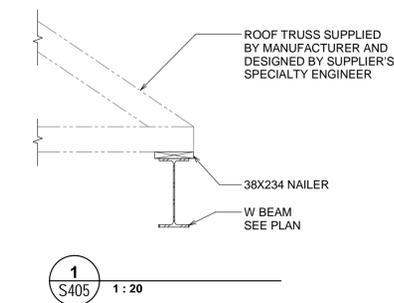
Seal

Project Name
BELLA COOLA POOL

Sheet Title
SECTIONS AND DETAILS

Drawn By **Author** Scale **1 : 10**
Designed By **Designer** Date **Issue Date**
RJC Project Number **VAN.136883.0001**
Sheet Number **S403** Revision **1**

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Vancouver, BC V6H 3X8 Canada
tel 604-738-0048



No.	Revision	Date	By
1	ISSUED FOR 90% DD	20240215	

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Seal

Project Name

BELLA COOLA POOL

Sheet Title

SECTIONS AND DETAILS

Drawn By Author Scale 1 : 20

Designed By Designer Date Issue Date

RJC Project Number **VAN.136883.0001**

Sheet Number Revision

S405 **1**

BELLA COOLA OUTDOOR POOL & POOL BUILDING RECONSTRUCTION

1853 CHILCOTIN-BELLA COOLA HWY HAGENSBORG, BC



1 SITE LOCATION
E000 SCALE: NTS

DRAWING LIST	
Sheet Number	Sheet Title
E000	COVER PAGE
E005	EXISTING SITE PLAN
E010	ELECTRICAL SITE PLAN
E100	CHANGE ROOM ELECTRICAL PLAN
E150	MECHANICAL BUILDING ELECTRICAL PLAN
E200	ELECTRICAL DETAILS
E300	LIGHTING DETAILS

POWER AND COMMUNICATION OUTLETS											
		POWER					PWR & COMM COMBO		COMMUNICATIONS		
		SINGLE	DUPLEX	SPLIT	QUAD	CORD REEL DROP	SPE- CIALTY	STRUCTURED OUTLET	DATA	VOICE	STRUCTURED OUTLET
WALL	5-15R	⊕	⊕	⊕	⊕	-	⊕	-	▽#D	▽#V	▽#D/#V/#C/#H
	5-15R GFI	⊕	⊕	⊕	⊕	-	-	-	-	-	
	5-20R	⊕	⊕	⊕	⊕	-	-	-	-	-	
	5-20R GFI	⊕	⊕	⊕	⊕	-	-	-	-	-	
FLOOR	5-15R	-	⊕	-	⊕	-	-	▽#D/#V/#C/#H	▽#D	▽#V	▽#D/#V/#C/#H
	5-20R	-	⊕	-	⊕	-	-	▽#D/#V/#C/#H	-	-	-
	5-20R	-	⊕	-	⊕	-	-	-	-	-	
CEILING	5-15R	-	⊕	-	⊕	-	-	-	▽#D	▽#V	▽#D/#V/#C/#H
	5-20R	-	⊕	-	⊕	-	-	-	-	-	
	W/ RCPT	-	-	-	-	-	-	-	-	-	
	W/O RCPT	-	-	-	-	-	-	-	-	-	

RECEPTACLE ABBREVIATIONS
 USB: C/W DUAL MIN. 3 1A USB PORTS.
 IG: C/W ISOLATED GROUND
 HP: HOSPITAL GRADE
 WP: WEATHER PROOF
 HK: HOUSE KEEPING
 ARC: ARC FAULT PROTECTION.

COMMUNICATION ABBREVIATIONS
 WAP: WIRELESS ACCESS POINT.
 C: CATV.
 D: DATA
 H: HDMI
 V: VOICE.

COMMUNICATION NOTES:
 COMMUNICATION OUTLETS TO BE ANNOTATED AS #C FOR COAXIAL, #D FOR DATA, #V FOR VOICE AND #H FOR HDMI DROPS.
 IE. 1C/2D/2V/1H INDICATES 1 CCTV, 2 DATA, 2 VOICE AND 1 HDMI.

POWER	
⊕	PACPOLE BY ELECTRICAL CONTRACTOR
⊕	FURNITURE POLE SUPPLIED BY FURNITURE SUPPLIER, WIRED BY ELECTRICAL CONTRACTOR
FWP	FURNITURE WHIP CONNECTION - POWER
FWC	FURNITURE WHIP CONNECTION - COMMUNICATION
⊕	JUNCTION BOX - WALL / FLOOR / CEILING
⊕	PULL BOX - WALL / FLOOR / CEILING
⊕	DIRECT EQUIPMENT CONNECTION
⊕	MOTOR CONNECTION
⊕	MOTOR CONNECTION C/W DISCONNECT
⊕	MOTOR CONNECTION C/W DISCONNECT & MAGNETIC STARTER
⊕	DISCONNECT SWITCH
⊕	FUSED DISCONNECT SWITCH
⊕	DISCONNECT SWITCH C/W MAGNETIC STARTER
⊕	MAGNETIC STARTER
⊕	MOTOR RATED DISCONNECT SWITCH
⊕	CONDUIT RUN UP
⊕	CONDUIT RUN DOWN
⊕	CONDUIT STUB-OUT
⊕	PUSH BUTTON (TWO BUTTONS, ONE MOUNTED AT 1100 MM AFF, THE OTHER ONE MOUNTED BETWEEN 150 TO 300 MM AFF.
⊕	THERMOSTAT
⊕	GROUND BUS
⊕	PANEL RECESSED
⊕	PANEL SURFACE
⊕	TRANSFORMER (SIZE VARY)
⊕	ROOM REFERENCE GROUND BUS
⊕	VARIOUS FREQUENCY DRIVE
⊕	ELECTRIC BASEBOARD HEATER
⊕	INDICATES ABOVE COUNTER
⊕	PUSH TO EXIT
⊕	DOOR ALARM

SINGLE LINE DIAGRAM	
⊕	CIRCUIT BREAKER - 600V OR LESS
⊕	DISCONNECT
⊕	DISCONNECT - FUSED
⊕	FUSE - 600V OR LESS
⊕	CURRENT TRANSFORMER
⊕	POTENTIAL TRANSFORMER
⊕	TRANSFORMER
⊕	DELTA-W-YE / DELTADelta CONNECTION
⊕	DELTA / WYE / GROUND CONNECTION
⊕	JUNCTION BOX
⊕	PULL BOX
⊕	LIGHTNING ARRESTER
⊕	UTILITY METER
⊕	DIGITAL METERING UNIT
⊕	MOTOR OPERATOR FOR CIRCUIT BREAKERS OR SWITCHES
⊕	INTERLOCK
⊕	PANELBOARD

LIGHTING	
⊕	TRACK LIGHTS TRACK / HEAD / TRACK & HEAD
⊕	LED TAPE / 90°, 120°, 135°
⊕	SURFACE 2x2
⊕	SURFACE 4x1
⊕	SURFACE 4x2
⊕	SURFACE LINEAR (LENGTH VARY)
⊕	RECESSED 2x2
⊕	RECESSED 4x1
⊕	RECESSED 4x2
⊕	RECESSED LINEAR (LENGTH VARY)
⊕	SUSPENDED 2x2
⊕	SUSPENDED 4x1
⊕	SUSPENDED 4x2
⊕	SUSPENDED LINEAR (LENGTH VARY)
⊕	STRIP 2FT / 4FT / LINEAR (LENGTH VARY) - CEILING
⊕	STRIP 2FT / 4FT / LINEAR (LENGTH VARY) - WALL MOUNTED
⊕	CEILING MOUNTED SURFACE (ARROW INDICATES DIRECTION)
⊕	RECESSED - CEILING (ARROW INDICATES DIRECTION)
⊕	RECESSED - UNDER CABINET MOUNTED
⊕	CEILING MOUNTED PENDANT / LINEAR (LENGTH VARY)
⊕	WALL MOUNTED SURFACE
⊕	WALL RECESSED LIGHT
⊕	EM / NL - EMERGENCY OR NON-SWITCHED LIGHT AS INDICATED
⊕	LINE VOLTAGE SWITCH - SINGLE GANG BOX
⊕	LINE VOLTAGE SWITCH - DOUBLE GANG BOX
⊕	LINE VOLTAGE SWITCH - TRIPLE GANG BOX
⊕	LOW VOLTAGE SWITCH - SINGLE ZONE
⊕	LOW VOLTAGE SWITCH - DUAL ZONES
⊕	LOW VOLTAGE SWITCH - # INDICATE NUMBER OF CONTROL ZONES
⊕	OCCUPANCY / VACANCY SENSOR - CEILING MOUNTED
⊕	DAYLIGHT SENSOR - CEILING MOUNTED
⊕	PHOTOCELL - CEILING OR WALL MOUNTED
⊕	LIGHTING RELAY PANEL RECESSED
⊕	LIGHTING RELAY PANEL SURFACE

LIGHTING WALL SWITCH AND LIGHTING ABBREVIATIONS
 3: 3 WAY SWITCH
 OS: OCCUPANCY SENSOR.
 ZOS: DUAL POLE OCCUPANCY SENSOR SWITCH (POLE a AUTO-ON / POLE b MANUAL-ON)
 VS: VACANCY SENSOR
 D: DIMMING
 DOS: DIMMING AND OCCUPANCY SENSOR COMBO
 DVS: DIMMING AND VACANCY SENSOR COMBO
 T: TIME CONTROL SWITCH
 MS: MASTER SWITCH
 SB: SWITCH BANK
 EM: EMERGENCY POWER SOURCE.
 NL: NIGHT LIGHT (NON-SWITCHED).
 K: KEY SWITCH.
 * ALL SENSORS SHALL BE SET 15 MINUTES OFF TIME DELAY.

EMERGENCY LIGHTING	
⊕	EXIT SIGN WALL - FRONT FACE (ARROW INDICATES DIRECTION)
⊕	EXIT SIGN WALL SIDE - SINGLE FACE (ARROW INDICATES DIRECTION)
⊕	EXIT SIGN WALL SIDE - DOUBLE FACES (ARROW INDICATES DIRECTION)
⊕	EXIT SIGN CEILING - SINGLE SIDED (ARROW INDICATES DIRECTION)
⊕	EXIT SIGN CEILING - DOUBLE SIDED (ARROW INDICATES DIRECTION)
⊕	WALL MOUNTED REMOTE HEADS - SINGLE OR TWIN.
⊕	CEILING MOUNTED REMOTE HEADS - SINGLE OR TWIN.
⊕	WALL MOUNTED BATTERY PACK
⊕	WALL MOUNTED BATTERY PACK C/W TWIN HEADS
⊕	BATTERY PACK C/W TWIN HEADS AND EXIT SIGN (FRONT FACE) - WALL OR CEILING MOUNTED
⊕	BATTERY PACK C/W TWIN HEADS AND EXIT SIGN (DIRECTIONAL) - WALL OR CEILING MOUNTED
⊕	WALL MOUNTED ZONE SENSING CONTROL BOX

COMMUNICATIONS	
⊕	CLOCK - WALL / CEILING
⊕	MEDIA PANEL
⊕	INDICATES ABOVE COUNTER
⊕	SATELLITE DISH

ABBREVIATIONS:
 E = EXISTING EQUIPMENT TO REMAIN
 R = REMOVE EXISTING EQUIPMENT AND ASSOCIATED WIRING AND DEVICES
 ER = EXISTING EQUIPMENT TO BE RELOCATED
 ERR = EXISTING EQUIPMENT TO BE RELOCATED AND REPLACED WITH NEW
 RP = EXISTING EQUIPMENT IN RELOCATED POSITION
 RN = EXISTING EQUIPMENT TO BE REPLACED WITH NEW
 HE = HIGH ELEVATION (TO BE CONFIRMED WITH ARCHITECT)
 BP# = BATTERY PACK (# INDICATES BP NUMBER)
 GFCL = GROUND FAULT CIRCUIT INTERRUPTER

WP = WEATHERPROOF
 ADO = AUTOMATIC DOOR OPERATOR
 +XX = DIMENSIONED HEIGHT ABOVE FINISHED FLOOR
 AFF = ABOVE FINISHED FLOOR
 RI = ROUGH-IN
 HK = HOUSEKEEPING RECEPTACLE
 EM = EMERGENCY POWERED DEVICE
 FR = FRIDGE (DEDICATED RECEPTACLE)
 MW = MICROWAVE (DEDICATED RECEPTACLE)
 DW = DISHWASHER
 HD = HAND DRYER



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C 100% DESIGN DEVELOPMENT 08 03 2024
 B 90% DESIGN DEVELOPMENT 14 02 2024
 A 50% DESIGN DEVELOPMENT 10 01 2024

REVISIONS
Carscadden

PROJECT ADDRESS
1853 CHILCOTIN-BELLA COOLA HWY HAGENSBORG, BC, V0T 1H0

JOB TITLE
BELLA COOLA POOL OUTDOOR POOL & POOL BUILDING RECONSTRUCTION

SHEET TITLE
COVER PAGE

DRAWN
BK

CHECKED
SJ

JOB NO.
23-304

DATE
MARCH 2024

SCALE
AS NOTED

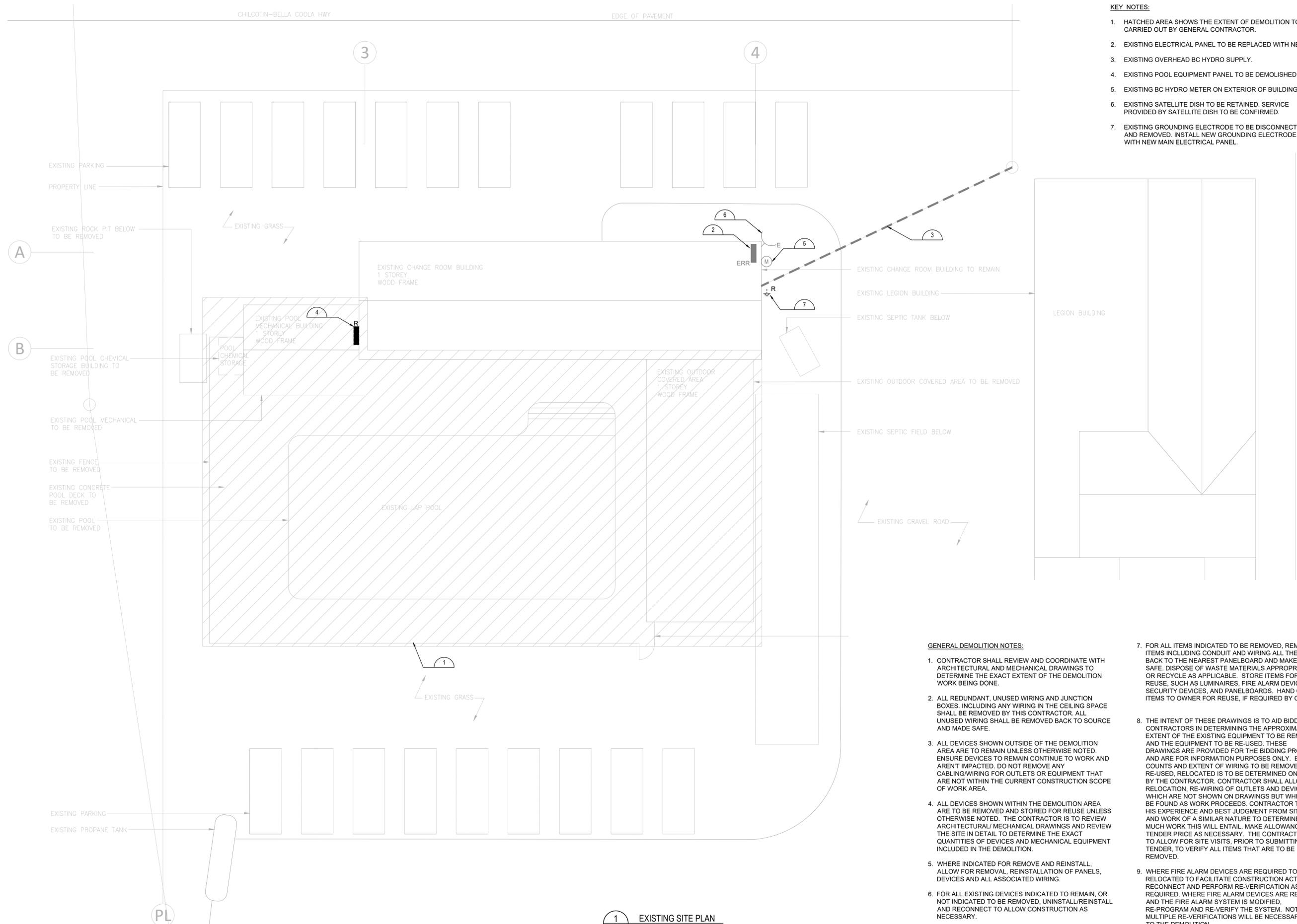
SHEET SIZE
22X34

OWNER'S REFERENCE INFORMATION

SHEET

E000

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KEY NOTES:

- HATCHED AREA SHOWS THE EXTENT OF DEMOLITION TO BE CARRIED OUT BY GENERAL CONTRACTOR.
- EXISTING ELECTRICAL PANEL TO BE REPLACED WITH NEW.
- EXISTING OVERHEAD BC HYDRO SUPPLY.
- EXISTING POOL EQUIPMENT PANEL TO BE DEMOLISHED.
- EXISTING BC HYDRO METER ON EXTERIOR OF BUILDING.
- EXISTING SATELLITE DISH TO BE RETAINED. SERVICE PROVIDED BY SATELLITE DISH TO BE CONFIRMED.
- EXISTING GROUNDING ELECTRODE TO BE DISCONNECTED AND REMOVED. INSTALL NEW GROUNDING ELECTRODE WITH NEW MAIN ELECTRICAL PANEL.

GENERAL DEMOLITION NOTES:

- CONTRACTOR SHALL REVIEW AND COORDINATE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS TO DETERMINE THE EXACT EXTENT OF THE DEMOLITION WORK BEING DONE.
- ALL REDUNDANT, UNUSED WIRING AND JUNCTION BOXES, INCLUDING ANY WIRING IN THE CEILING SPACE SHALL BE REMOVED BY THIS CONTRACTOR. ALL UNUSED WIRING SHALL BE REMOVED BACK TO SOURCE AND MADE SAFE.
- ALL DEVICES SHOWN OUTSIDE OF THE DEMOLITION AREA ARE TO REMAIN UNLESS OTHERWISE NOTED. ENSURE DEVICES TO REMAIN CONTINUE TO WORK AND AREN'T IMPACTED. DO NOT REMOVE ANY CABLING/WIRING FOR OUTLETS OR EQUIPMENT THAT ARE NOT WITHIN THE CURRENT CONSTRUCTION SCOPE OF WORK AREA.
- ALL DEVICES SHOWN WITHIN THE DEMOLITION AREA ARE TO BE REMOVED AND STORED FOR REUSE UNLESS OTHERWISE NOTED. THE CONTRACTOR IS TO REVIEW ARCHITECTURAL/MECHANICAL DRAWINGS AND REVIEW THE SITE IN DETAIL TO DETERMINE THE EXACT QUANTITIES OF DEVICES AND MECHANICAL EQUIPMENT INCLUDED IN THE DEMOLITION.
- WHERE INDICATED FOR REMOVE AND REINSTALL, ALLOW FOR REMOVAL, REINSTALLATION OF PANELS, DEVICES AND ALL ASSOCIATED WIRING.
- FOR ALL EXISTING DEVICES INDICATED TO REMAIN, OR NOT INDICATED TO BE REMOVED, UNINSTALL/REINSTALL AND RECONNECT TO ALLOW CONSTRUCTION AS NECESSARY.
- FOR ALL ITEMS INDICATED TO BE REMOVED, REMOVE ITEMS INCLUDING CONDUIT AND WIRING ALL THE WAY BACK TO THE NEAREST PANELBOARD AND MAKE IT SAFE. DISPOSE OF WASTE MATERIALS APPROPRIATELY, OR RECYCLE AS APPLICABLE. STORE ITEMS FOR REUSE, SUCH AS LUMINAIRES, FIRE ALARM DEVICES, SECURITY DEVICES, AND PANELBOARDS. HAND OVER ITEMS TO OWNER FOR REUSE, IF REQUIRED BY OWNER.
- THE INTENT OF THESE DRAWINGS IS TO AID BIDDING CONTRACTORS IN DETERMINING THE APPROXIMATE EXTENT OF THE EXISTING EQUIPMENT TO BE REMOVED AND THE EQUIPMENT TO BE RE-USED. THESE DRAWINGS ARE PROVIDED FOR THE BIDDING PROCESS AND ARE FOR INFORMATION PURPOSES ONLY. EXACT COUNTS AND EXTENT OF WIRING TO BE REMOVED, RE-USED, RELOCATED IS TO BE DETERMINED ON SITE BY THE CONTRACTOR. CONTRACTOR SHALL ALLOW FOR RELOCATION, RE-WIRING OF OUTLETS AND DEVICES WHICH ARE NOT SHOWN ON DRAWINGS BUT WHICH MAY BE FOUND AS WORK PROCEEDS. CONTRACTOR TO USE HIS EXPERIENCE AND BEST JUDGMENT FROM SITE VISIT AND WORK OF A SIMILAR NATURE TO DETERMINE HOW MUCH WORK THIS WILL ENTAIL. MAKE ALLOWANCE IN TENDER PRICE AS NECESSARY. THE CONTRACTOR IS TO ALLOW FOR SITE VISITS, PRIOR TO SUBMITTING TENDER, TO VERIFY ALL ITEMS THAT ARE TO BE REMOVED.
- WHERE FIRE ALARM DEVICES ARE REQUIRED TO BE RELOCATED TO FACILITATE CONSTRUCTION ACTIVITIES, RECONNECT AND PERFORM RE-VERIFICATION AS REQUIRED. WHERE FIRE ALARM DEVICES ARE REMOVED AND THE FIRE ALARM SYSTEM IS MODIFIED, RE-PROGRAM AND RE-VERIFY THE SYSTEM. NOTE THAT MULTIPLE RE-VERIFICATIONS WILL BE NECESSARY DUE TO THE DEMOLITION.



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B	90% DESIGN DEVELOPMENT	14 02 2024
A	50% DESIGN DEVELOPMENT	10 01 2024

REVISIONS

Carscadden

PROJECT ADDRESS

**1853 CHILCOTIN-BELLA
COOLA HWY
HAGENSBORG,
BC, V0T 1H0**

JOB TITLE

**BELLA COOLA POOL
OUTDOOR POOL &
POOL BUILDING
RECONSTRUCTION**

SHEET TITLE

EXISTING SITE PLAN

DRAWN	CHECKED
BK	SJ

JOB NO.	DATE
23-304	MARCH 2024

SCALE	SHEET SIZE
AS NOTED	22X34

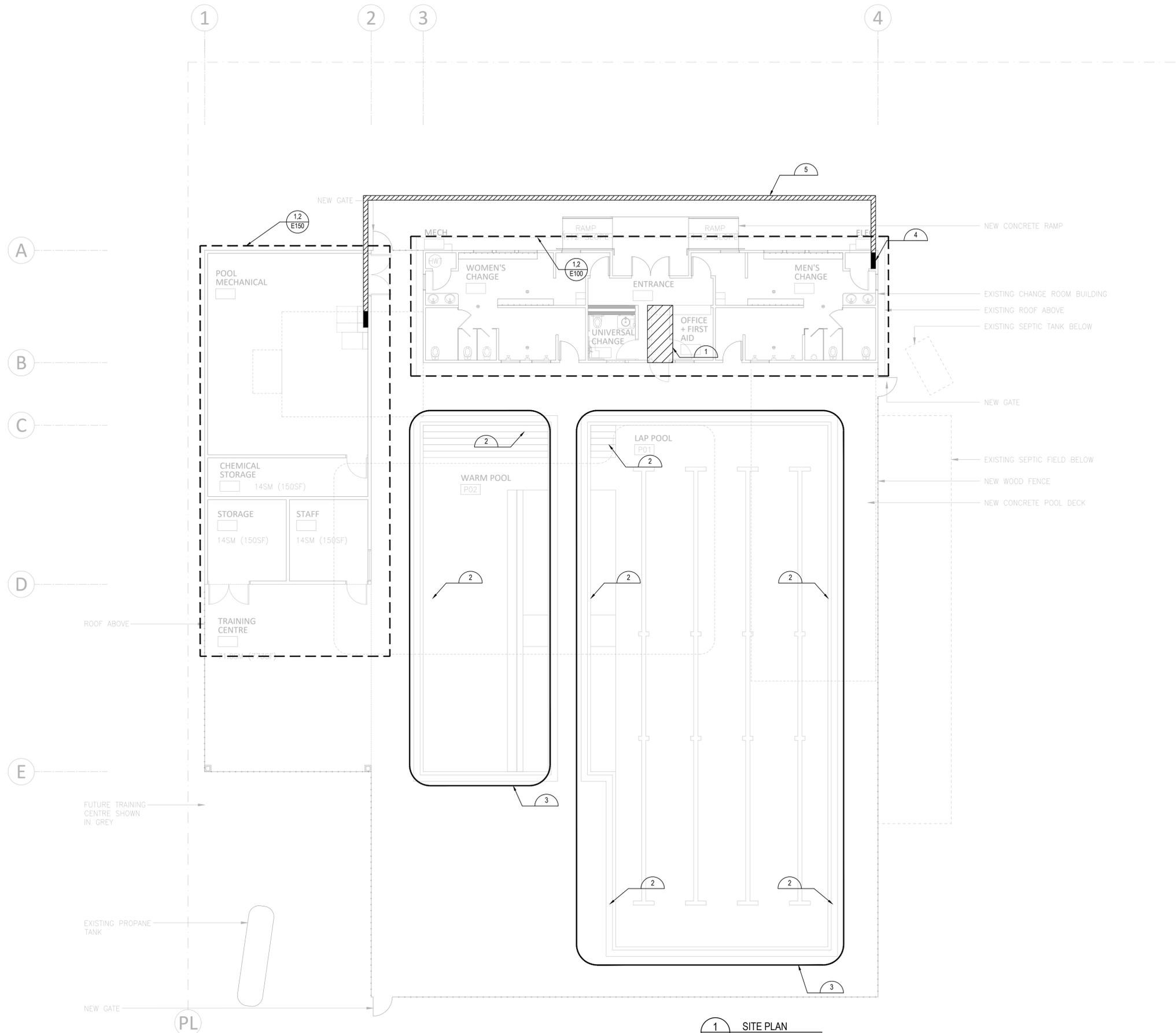
OWNER'S REFERENCE INFORMATION

SHEET

E005



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KEY NOTES:

1. ELECTRICAL CONTRACTOR TO ALLOW FOR ANY WORK REQUIRED FOR DEMOLITION OF THIS WALL.
2. INSTALL BONDING CONDUCTOR TO LADDERS, FORMING SHELL FOR WET-NICHE LIGHT FITTINGS, DIVING PLATFORMS, REINFORCING STEEL, HANDRAILS AND DRAINS TO COMPLY WITH CEC. REFER DETAIL ON DRAWING E300
3. CONTINUOUS COPPER BOND WIRE INSTALLED ON THE PERIMETER OF THE POOL.
4. EXISTING ELECTRICAL PANEL TO BE REPLACED WITH NEW ELECTRICAL PANEL. ENSURE 1 METER CLEARANCE IN FRONT OF THE NEW PANEL IS PROVIDED. REFER TO SINGLE LINE DIAGRAM.
5. INSTALL NEW CABLE TO NEW MECHANICAL PANEL UNDERGROUND. EXCAVATE TO DEPTH AND BACKFILL TO COMPLY WITH CEC 12-010.



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JOB TITLE

**BELLA COOLA POOL
OUTDOOR POOL &
POOL BUILDING
RECONSTRUCTION**

SHEET TITLE

ELECTRICAL SITE PLAN

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BK	SJ

JOB NO.	DATE
23-304	MARCH 2024

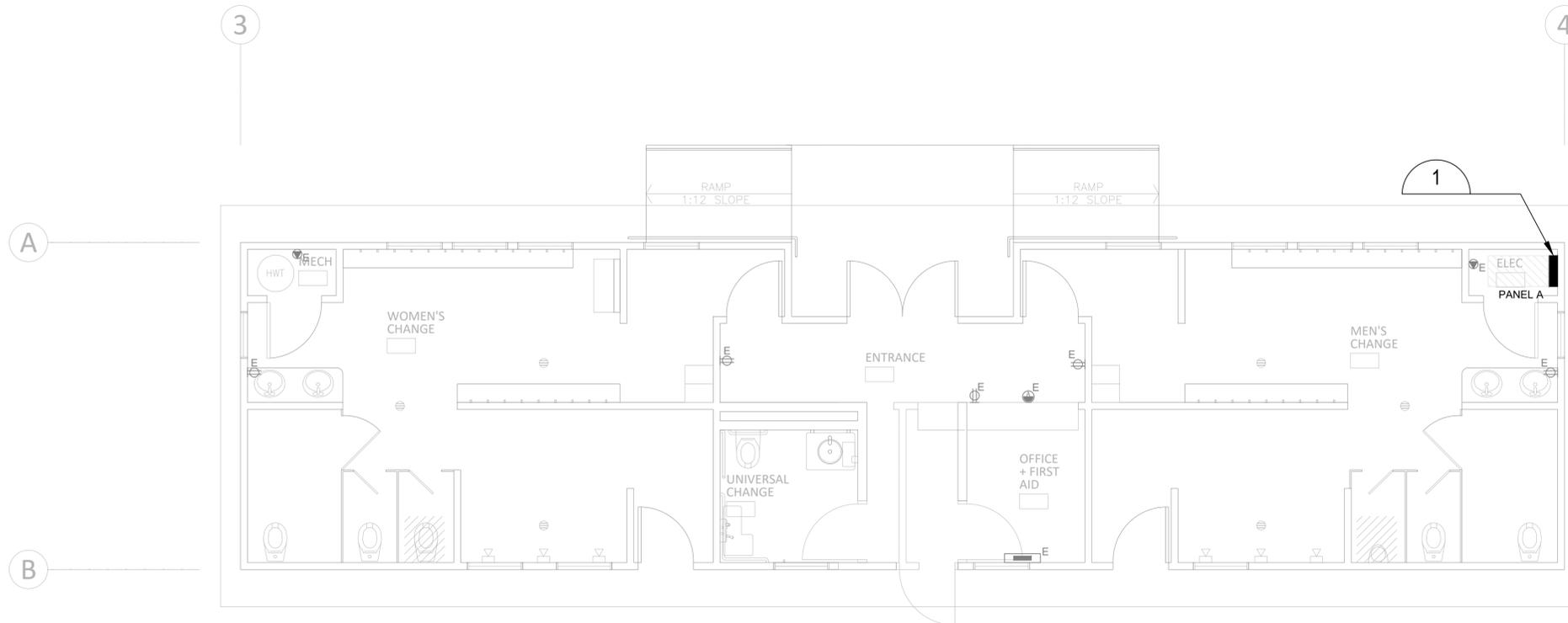
SCALE	SHEET SIZE
AS NOTED	22X34

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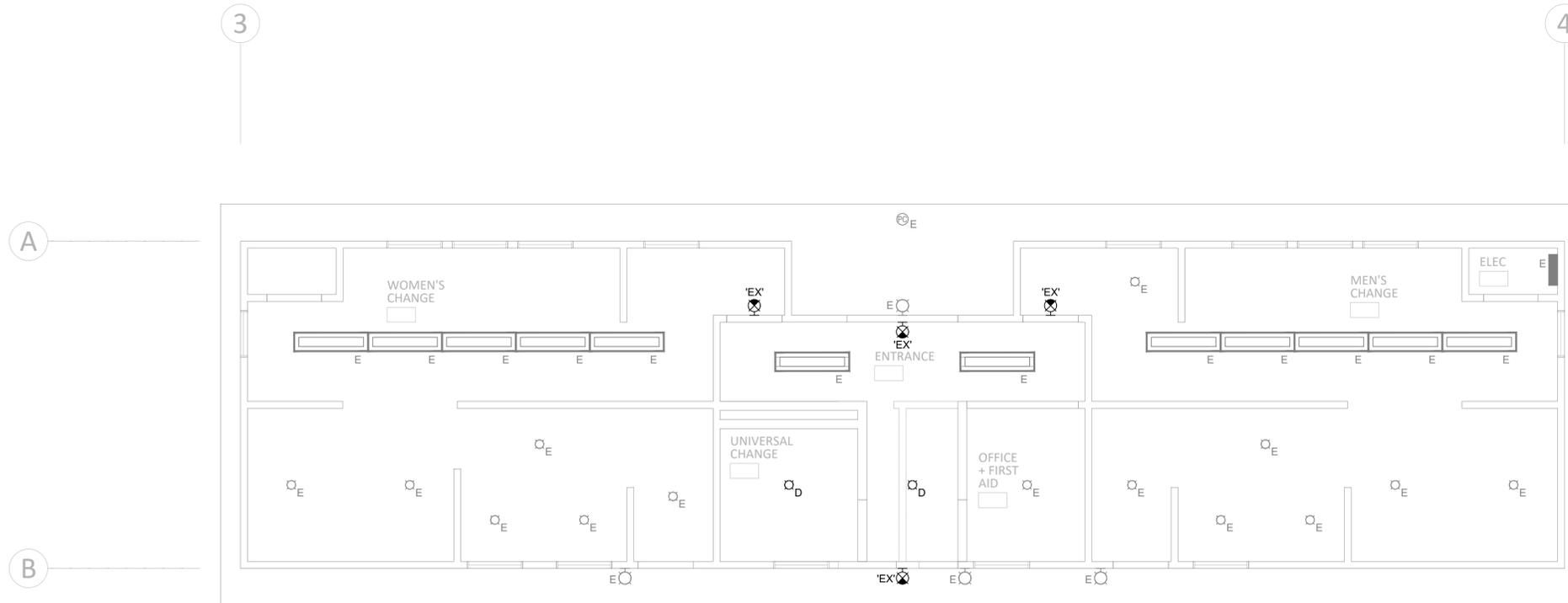
SHEET

E010





1 POWER PLAN
E100 SCALE: 1:50



2 LIGHTING PLAN
E100 SCALE: 1:50

GENERAL NOTES:

1. THE LOCATION OF EXISTING FITTINGS AND FIXTURES SHOWN BASED ON PHOTO SURVEY.
2. ALL EXISTING LIGHT FITTINGS IN CHAGING ROOMS TO BE REPLACED WITH NEW FITTINGS.

KEY NOTES:

1. PROVIDE 1 METER CLEARANCE IN FRONT OF NEW ELECTRICAL PANEL. ALLOW TO RELOCATE EXISTING HOT WATER TANK AND REBUILD SERVICE CLOSET IF REQUIRED.



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JOB TITLE

BELLA COOLA POOL
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POOL BUILDING
RECONSTRUCTION

SHEET TITLE

CHANGE ROOM
ELECTRICAL PLAN

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BK	SJ

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23-304	MARCH 2024

SCALE	SHEET SIZE
AS NOTED	22X34

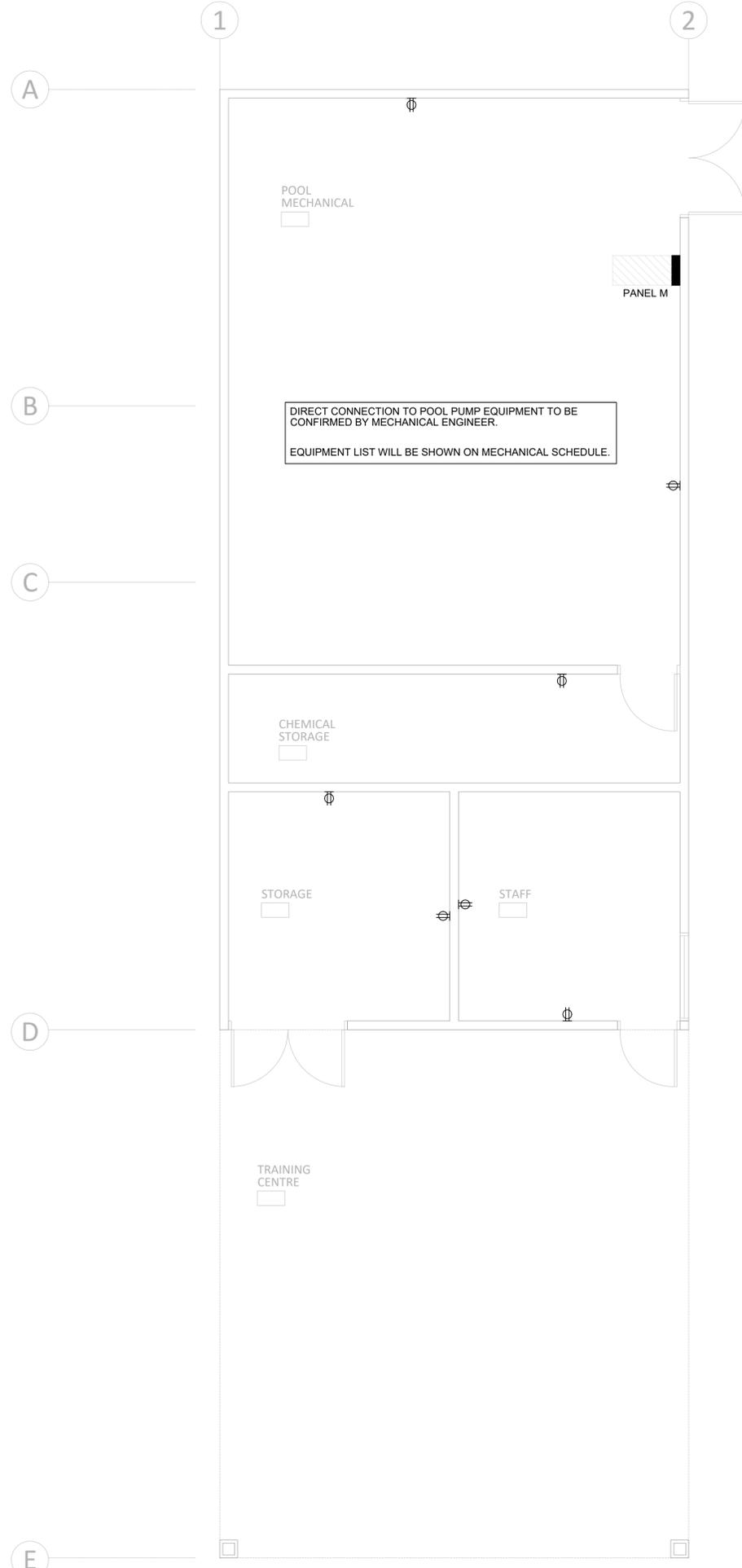
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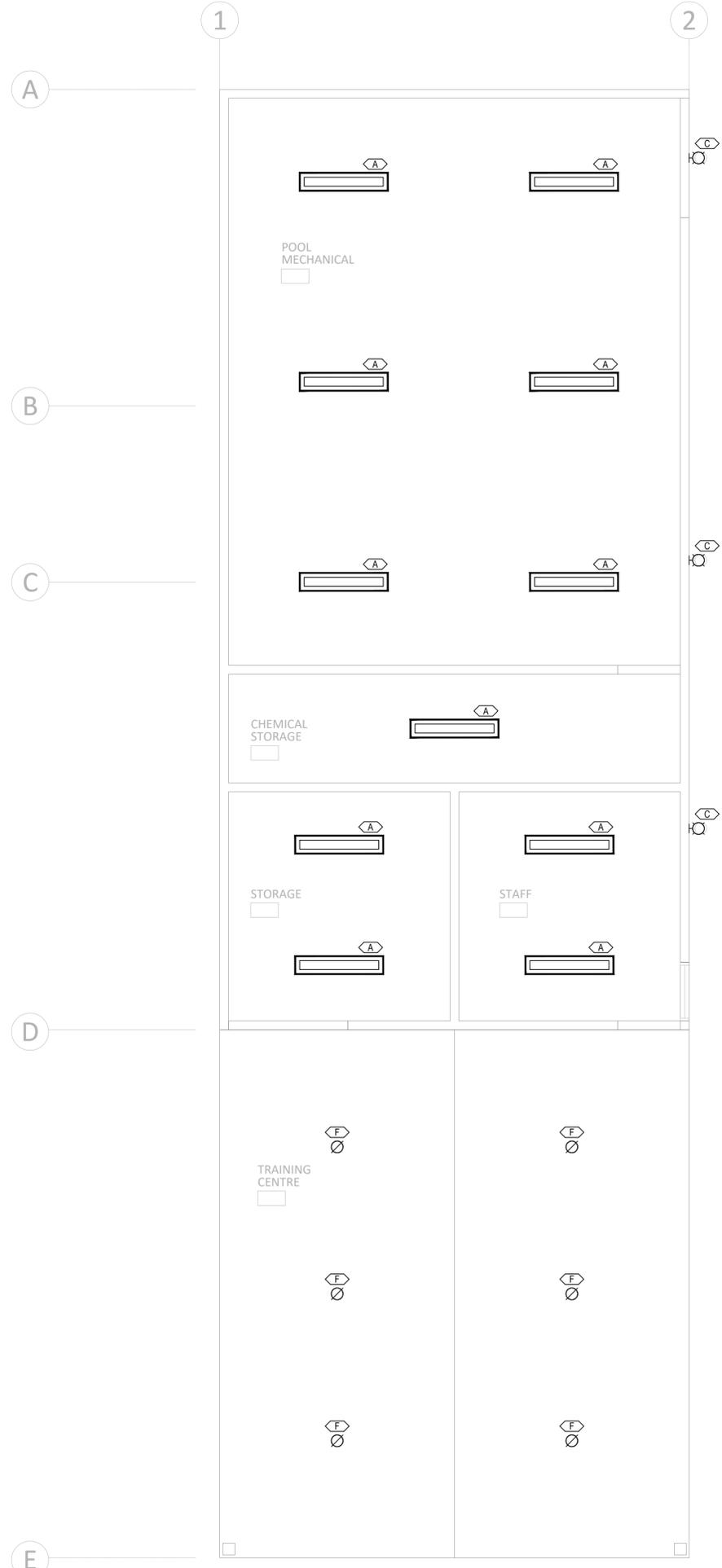
E100



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1
E150
POWER PLAN
SCALE: 1:50



2
E150
LIGHTING PLAN
SCALE: 1:50



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JOB TITLE
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OUTDOOR POOL &
POOL BUILDING
RECONSTRUCTION**

SHEET TITLE
**MECHANICAL BUILDING
ELECTRICAL PLAN**

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SHEET
E150

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Load Calculation per CEC Section 8:

LOAD CALCULATION:

Mechanical Equipment		
Domestic hot water tank (existing)	=	22 kW
Pool Pump Equipment	=	45 kW
HRVs and Extract Fans	=	10 kW
Total Mechanical Load (80% Factor)	=	62 kW

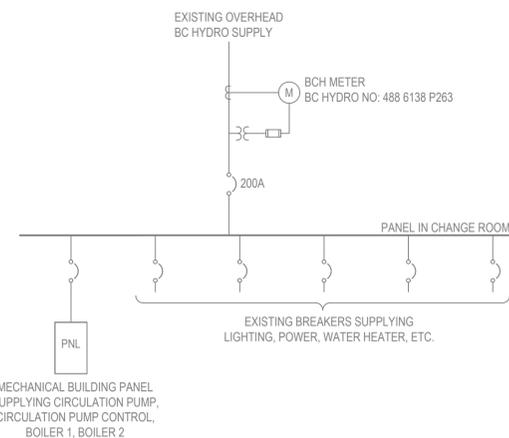
Miscellaneous

Load for facility building (25W/m ²)	=	4 kW
Sub-total	=	65 kW
Total Load with Demand Factor @ 90%	=	59 kW
Amps @ 240V Single Phase	=	245 A
80% Derating	=	306 A
Main Breaker Size	=	600 A

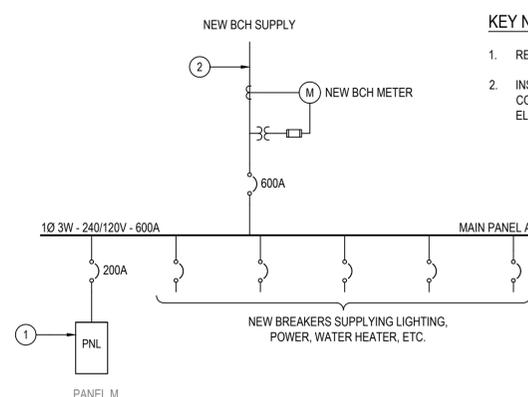
NOTE:

- LOAD CALCULATION ABOVE IS BASED ON USING GAS-FIRED POOL WATER HEATING, I.E., NOT USING ELECTRIC BOILER FOR POOL WATER HEATING.
- LOAD CALCULATION IS BASED ON PREVIOUSLY PROVIDED MECHANICAL EQUIPMENT LIST.

3
E200 **LOAD CALCULATION**
SCALE: NTS



1
E200 **EXISTING SINGLE LINE DIAGRAM**
SCALE: NTS



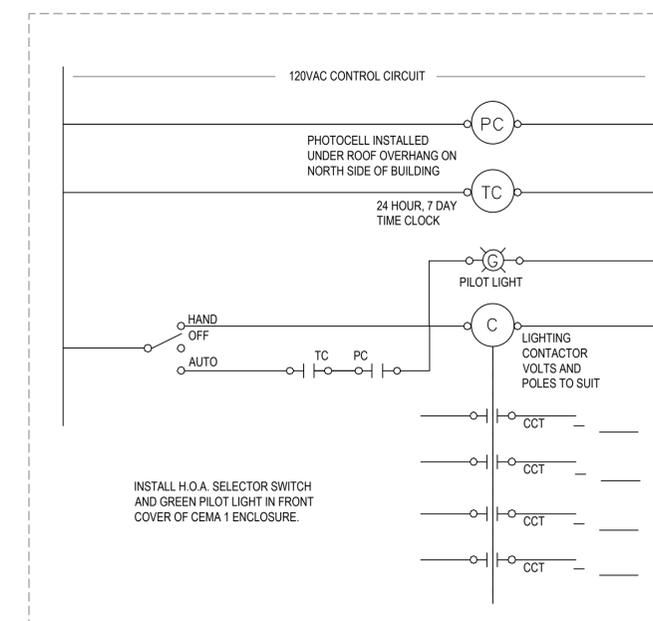
2
E200 **NEW SINGLE LINE DIAGRAM**
SCALE: NTS

KEY NOTES:

- REPLACE EXISTING PANEL WITH NEW PANEL.
- INSTALL NEW SERVICE FROM BC HYDRO COMPLETE WITH NEW GROUNDING ELECTRODE.

TYPE	IMAGE	GENERAL DESCRIPTION	PRODUCT DETAILS		SOURCE DETAILS				ELECTRONICS / CONTROL				GENERAL			NOTES	
			MANUFACTURER	CATALOGUE NUMBER	TYPE	COLOR TEMPERATURE	CRI (MIN)	DELIVERED LUMENS	VOLTAGE	DIMMING PROTOCOL	MINIMUM DIMMING LEVEL	LOAD	INTEGRAL CONTROLS	FINISH	MOUNTING	IP RATING	NOTES
A		4ft WATERPROOF LINEAR FITTING	LITHONIA LIGHTING	FEM-LSB-4000LM-1P4FL-WD-120-02-10-40K-80CRI	LED	4000K	80	6000	120V	0-10V	10%	38W	YES	WHITE	SURFACE	IP66	C/W SIKORIO HL 3V INTEGRATE SENSOR
C		WALL MOUNTED OUTDOOR FITTING	CREE	WSPW-8-WM-2ME-2L-30K-LLWH-ML	LED	3000K	90	2490	120V	N/A	10%	20W	YES	GREY	WALL MOUNTED	SUITABLE FOR WET LOCATIONS	MOUNT 200mm ARIAL C/W MULTI-LEVEL SENSOR. WIRE FROM CLASS A GFCI BREAKER TO COMPLY WITH CEC.
D		CEILING MOUNTED IP RATED BULKHEAD	LIGMAN	SA-3148A-G-8030-HD-03	LED	3000K	80	1710	120V	N/A	N/A	19W	N/A	WHITE	CEILING MOUNTED	IP65	
F		RECESSED IP RATED DOWNLIGHT	LIGMAN	NI-8050L-S	LED	3000K	80+	1045	120	N/A	N/A	13W	N/A	STAINLESS STEEL	RECESSED	IP65	
EX		WALL MOUNTED EXIT SIGN	EMERGI-LITE	ENC-1-W-0N36-LB	LED	N/A	N/A	N/A	120V	N/A	N/A	5W	YES	WHITE	WALL MOUNTED	SUITABLE FOR WET LOCATIONS	
<p>GENERAL NOTES:</p> <p>A) ALL CATALOGUE NUMBERS SHALL BE VERIFIED WITH MANUFACTURER PRIOR TO ORDERING.</p> <p>B) ALL LUMINAIRE FINISHES SHALL BE REVIEWED AND APPROVED BY ARCHITECT PRIOR TO ORDERING.</p> <p>C) ALL JUNCTION BOXES FOR SURFACE MOUNT LUMINAIRES SHALL NOT BE WIDER THAN THE LUMINAIRE MOUNTING PLATE.</p> <p>D) COORDINATE MOUNTING HEIGHT OF ALL WALL MOUNTED LUMINAIRES WITH ARCHITECT PRIOR TO ROUGH-IN. COORDINATE SUSPENSION HEIGHT OF ALL SUSPENDED LUMINAIRES WITH ARCHITECT PRIOR TO INSTALLATION.</p> <p>E) ELECTRICAL CONTRACTOR SHALL ALLOW A MINIMUM OF 10 BUSINESS DAYS FOR INITIAL REVIEW OF ENTIRE LIGHTING SHOP DRAWING PACKAGE. NO DELAY CLAIMS WILL BE ALLOWED FOR ANY SUBSEQUENT REVIEW TIME REQUIRED DUE TO INCORRECT SHOP DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE LUMINAIRES ARE DELIVERED IN A TIMELY MANNER TO THE SITE. NO EXTRAS WILL BE ALLOWED FOR SUBSTITUTIONS OR RUSH CHARGES REQUIRED TO MEET PROJECT SCHEDULE AND MUST BE ALLOWED FOR IN TENDER PRICE.</p> <p>F) ALL CONTROLS INTEGRATED WITH LUMINAIRES TO BE COMMISSIONED ON SITE AFTER INSTALL. CONTRACTOR TO ENSURE THAT ALLOWANCE IS MADE FOR ADJUSTING AND COMMISSIONING OF ALL CONTROLS AS REQUIRED.</p> <p>G) TYPE OF CONSTRUCTION FOR ALL CEILINGS SHALL BE COORDINATED WITH ARCHITECTURAL DRAWINGS PRIOR TO ORDERING MOUNTING KITS. CONTRACTOR TO OBTAIN A SET OF IFC ARCHITECTURAL DRAWINGS AND COORDINATE MOUNTING WITH CEILING TYPES SHOWN. NO EXTRAS WILL BE ALLOWED FOR RE-ORDERING OF LUMINAIRES OR MOUNTING KITS TO MATCH CEILING TYPES SHOWN ON ARCHITECTURAL PLANS. MOUNTING HEIGHT OF ALL SUSPENDED LUMINAIRES TO BE ADJUSTABLE ON SITE, AND CONTRACTOR TO COORDINATE ON SITE UNDER DIRECTION OF CONSULTANT.</p> <p>H) FUNCTIONAL COMMISSIONING TESTING SHALL BE CONDUCTED BY A THIRD PARTY THAT IS NOT DIRECTLY INVOLVED IN EITHER THE DESIGN OR CONSTRUCTION OF THE PROJECT AND SHALL PROVIDE DOCUMENTATION CERTIFYING THAT THE INSTALLED LIGHTING CONTROLS MEET OR EXCEED ALL DOCUMENTED PERFORMANCE CRITERIA. CERTIFICATION SHALL BE IN CONFORMANCE WITH ASHRAE 90.1 - FUNCTIONAL TESTING.</p>																	

4
E200 **LUMINAIRE SCHEDULE**
SCALE: NTS



5
E200 **EXTERIOR LIGHTING CONTROL SCHEMATIC**
SCALE: NTS

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Carscadden

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COOLA HWY
HAGENSBORG,
BC, V0T 1H0**

JOB TITLE
**BELLA COOLA POOL
OUTDOOR POOL &
POOL BUILDING
RECONSTRUCTION**

SHEET TITLE
ELECTRICAL DETAILS

DRAWN
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CHECKED
SJ

JOB NO.
23-304

DATE
MARCH 2024

SCALE
AS NOTED

SHEET SIZE
22X34

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E200



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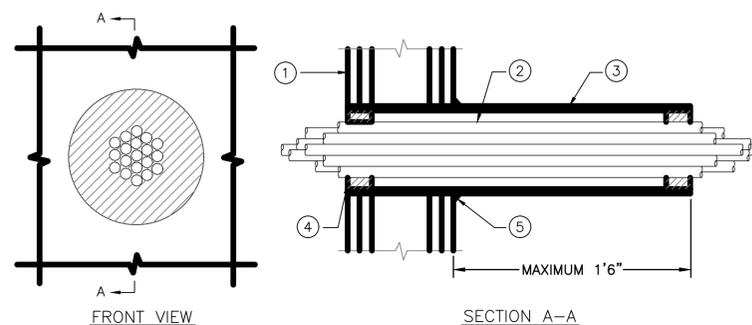
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- ① GYPSUM WALL ASSEMBLY (1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN): CONSTRUCTED OF MIN. 5/8" THICK DRYWALL (SEE ULC LIST OF EQUIPMENT AND MATERIALS, VOL. III, FIRE RESISTANCE RATINGS).
- ② CABLE BUNDLE TO CONSIST OF ANY OF THE FOLLOWING:
 - A. 7/C NO. 12 AWG CABLES.
 - B. 12 PAIR 24 AWG PHONE CABLES.
 - C. 25 PAIR 24 AWG PHONE CABLES.
 - D. RG 59 COAXIAL CABLES.
 - E. 2/C (+GND) NO. 14 AWG METAL-CLAD CABLES.
 - F. 2/C NO. 8 AWG METAL-CLAD CABLES.
 - G. MAXIMUM 1/2" DIAMETER FIBER-OPTIC CABLES.
- ③ MAXIMUM 4" DIAMETER STEEL PIPE SLEEVE (SCHEDULE 5 OR THINNER) (SEE NOTE NO. 4).
- ④ MINIMUM 5/8" OR 1-1/4" DEPTH HILTI FS-ONE FIRESTOP SEALANT (FOR A 1-HR. OR 2-HR. FIRE-RATED WALL ASSEMBLY).
- ⑤ SEE NOTE NO. 4 BELOW.

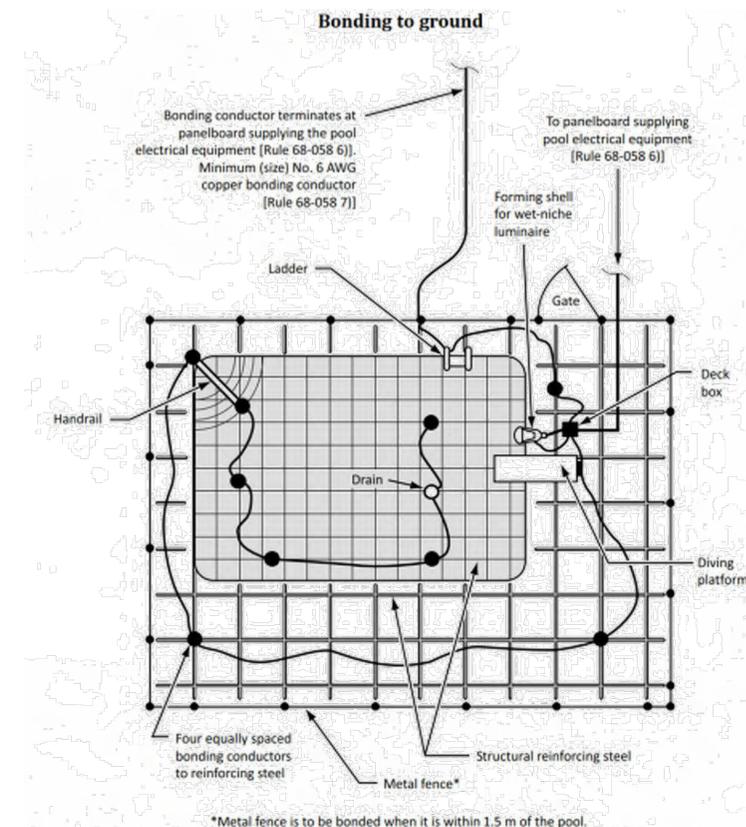
NOTES:

1. MAXIMUM DIAMETER OF OPENING = 4-1/2".
2. CABLES TO FILL MAXIMUM 40% OF AREA OPENING.
3. ANNULAR SPACE = MINIMUM 1/4", MAXIMUM 3/4".
4. STEEL SLEEVE MAY BE FLUSH WITH WALL SURFACE OR EXTEND UP TO 18" BEYOND WALL SURFACE IN ANY COMBINATION. WHEN SLEEVE IS FLUSH WITH WALL, APPLY HILTI FS-ONE FIRESTOP SEALANT ONTO WALL SURFACE. WHEN SLEEVE IS EXTENDED BEYOND ONE OR BOTH SIDES OF WALL, APPLY 1/2" CROWN HILTI FS-ONE FIRESTOP SEALANT TO WALL/SLEEVE INTERFACE.

F and FH RATING = 1-HR. OR 2-HR.	L RATING AT AMBIENT = 5 CFM/SQ.FT.
FT and FTH RATING = 0-HR.	L RATING AT 205°C (400°F) = 2 CFM/SQ.FT.
5. SAMPLE DETAIL ABOVE FROM HILTI, DETAILS MAY VARY WITH DIFFERENT MANUFACTURERS. CONTRACTOR TO FOLLOW MANUFACTURERS INSTRUCTIONS AND CODE REQUIREMENTS FOR ALL REQUIRED FIRE STOPPING.

ABOVE DETAIL IS A SAMPLE FOR DIAGRAMMATICAL PURPOSES ONLY. CONTRACTOR TO PROVIDE CORRECT FIRE STOPPING AS REQUIRED FOR ALL TYPES OF FIRE RATED WALLS. COORDINATE WITH ARCHITECT FOR WALL TYPES. CONTRACTOR IS REQUIRED TO SUBMIT SHOP DRAWINGS WITH SYSTEMS INSTALLATION DIAGRAMS FOR ENGINEERS REVIEW PRIOR TO FIRESTOPPING. WHERE SYSTEMS DIAGRAMS DO NOT EXIST, ENGINEERED SOLUTIONS ARE ACCEPTABLE WITH APPROVAL FROM THE AUTHORITY HAVING JURISDICTION.

1
E300 SAMPLE FIRE STOPPING DETAIL FOR REFERENCE
SCALE: NTS



Note: The Appendix B Note to Rule 68-058 3) recommends a loop around the pool of a minimum No. 6 copper conductor as an alternative means of eliminating voltage gradients where reinforcing steel encapsulated in a non-conductive compound is used in pool construction.

POOL BONDING GENERAL NOTES:

1. CONTRACTOR TO REVIEW ARCHITECTURAL DESIGN DRAWINGS FOR EXACT QUANTITY AND LOCATION OF METAL INSERTS REQUIRED TO BE BONDED TO GROUND.
2. BONDING CONNECTION LAYOUT SHOWN FOR DIAGRAMMATIC FOR PURPOSE ONLY. ACTUAL QUANTITY AND LOCATION OF REQUIRED CONNECTIONS WILL EXCEED THAT WHICH IS SHOWN IN ORDER TO ACCOMMODATE ACTUAL SITE CONSTRUCTION CONDITIONS AND INSTALLATIONS. CONTRACTOR TO MAKE ALLOWANCE AS NECESSARY TO PROVIDE A COMPLETE BONDING SYSTEM. ALL BONDING IS TO BE DONE AS PER REQUIREMENT OF THE LATEST EDITION OF CEC AND LOCAL AHJ.
3. PROVIDE #6 AWG CU. BONDING JUMPERS FOR ALL METAL DEVICES IN POOL AREA, AS REQUIRED BY CODE.

2
E300 SWIMMING POOL BONDING REQUIREMENTS
SCALE: NTS