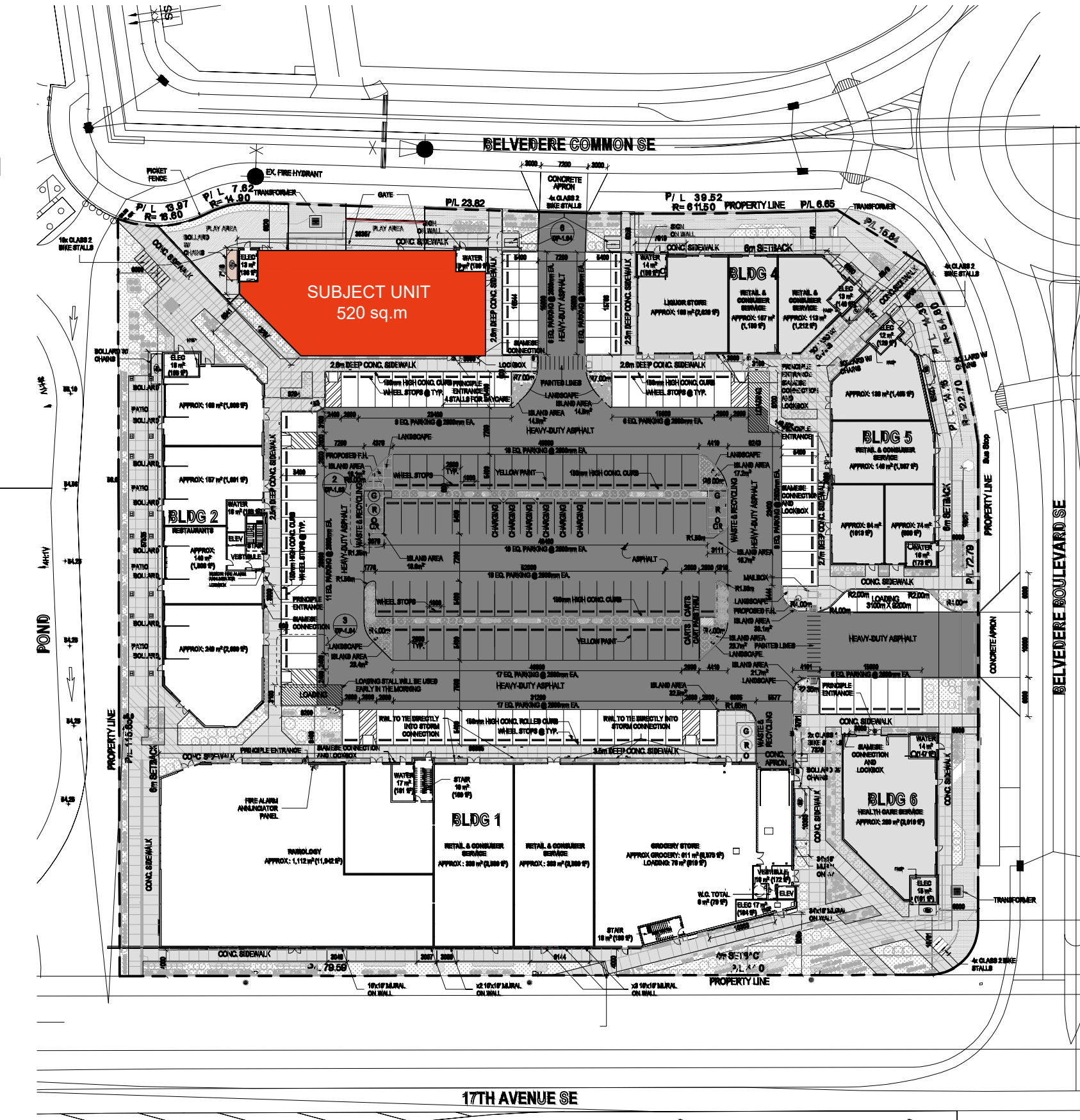
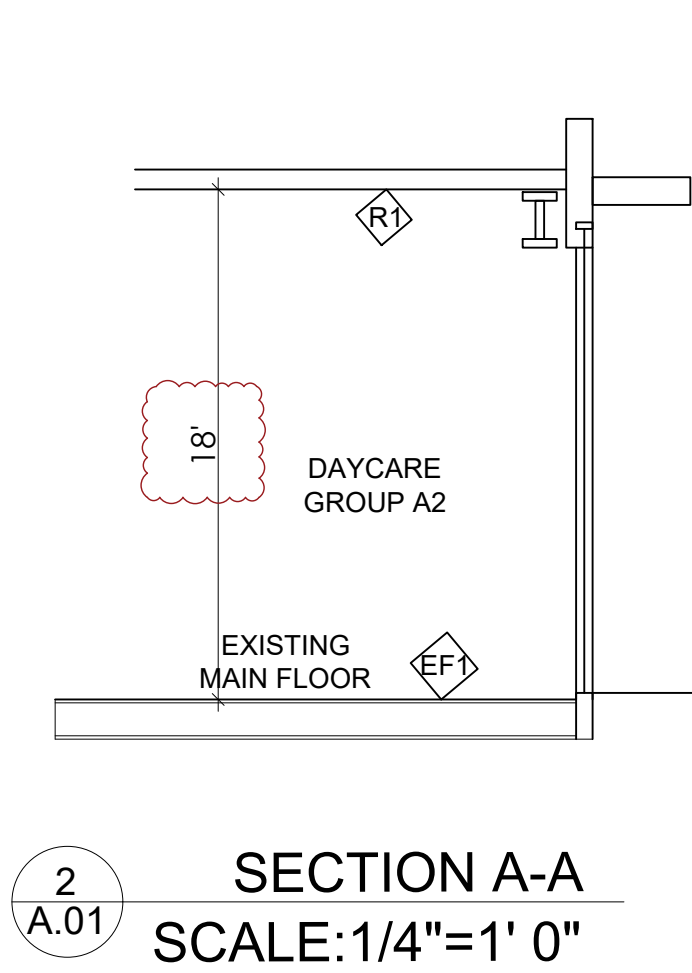
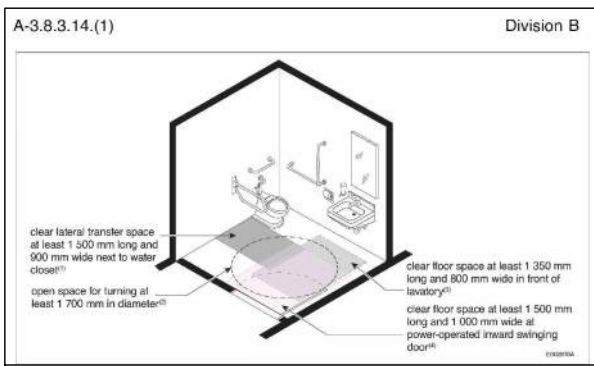
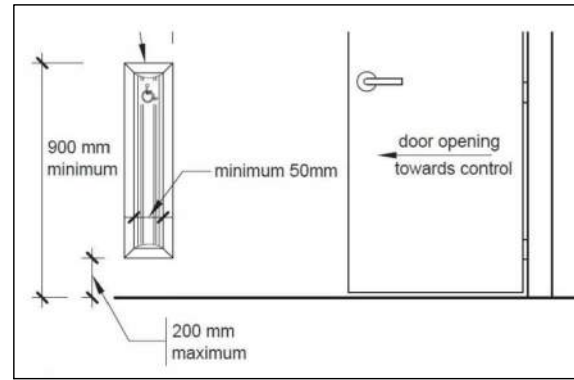
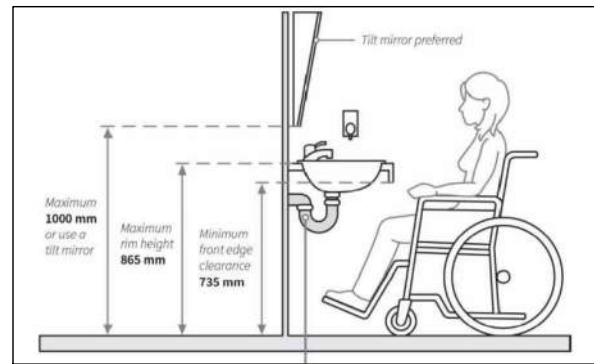


BUILDING CODE ANALYSIS

MAJOR OCCUPANCY:	GROUP A, DIVISION 2	BUILDING CODE CLASSIFICATION:	NBC - 2023 AB Ed. 3.2.2.27GROUP A, DIVISION 2, UP TO 2 STOREYS, SPRINKLERED
BUILDING HEIGHT:	ONE STOREY		
FACING STREET:	THREE STREETS	CONSTRUCTION TYPE:	COMBUSTIBLE & NON COMBUSTIBLE CONSTRUCTION
BUILDING FOOTPRINT:	567 sq.m. (6,103 sf)	TOTAL OCCUPANT LOAD:	140 KIDS + (25+1) STAFF = 166 PERSONS
CONSTRUCTION AREA:	520 sq.m. (5,606.7 sf)		
SPRINKLERS:	YES	FIRE ALARM:	YES
		EMERGENCY LIGHTING:	YES
		EXIT SIGNS:	YES

NATIONAL BUILDING CODE - ALBERTA EDITION 2023 : BUILDING CLASSIFICATIONS: C-C2 Commercial: -DAYCARE -FACING 2 STREET, -FLOOR AREA :APPROX 567 sq.m. (6,103 sf) 1) Abuilding classified as Group A, Division 2 is permitted to be of combustible construction or noncombustible construction, used singly or in combination, provided a) except as permitted by Sentences 3.2.2.7. (1) and 3.2.2.18. (2) , the building is sprinklered throughout, b) it is not more than 2 storeys in building height,and c) it has a building area not more than i) 2 400 m2 if 1 storey in building height with no basement, ii) 1 200 m2 if 1 storey in building height,or iii) 600 m2 if 2 storeys in building height. UNIT USE: DAYCARE UNIT SIZE: = 520 sq.m. (5,606.7 sf) MUNICIPAL ADDRESS: #3110 55 BELVEDERE BV SE CALGARY ,AB EXITS: (3.4.2.1.1) MIN.PROVIDED 4 EXISTING EXITS & ONE PROPOSED PLUMBING FIXTURE REQUIREMENTS 3.7.2.2.-A TOTAL OCCUPANT LOAD = 140 KIDS + (25+1) STAFF= 166 PERSONS 166/2= 83(83 MALE+83 FEMALE) EACH SEX (76-100 REQUIREMENT) MALE WASH ROOMS REQUIRED : 2; & FEMALE WASH ROOMS REQUIRED : 4; PROVIDED 5 WASH ROOMS AND 2 UTR WASH ROOM: TOTAL 7	W1] EXISTING EXTERIOR WALL -Finish AS PER Elevation -16mm FIBERGLASS MAT FACED EXTERIOR SHEATHING -203mm STEEL STUDS @ 206mm O.C., W/MINERAL FIBER BATT INSULATION - 6mil POLYETHYLENE VAPOUR BARRIER -16mm GYPSUM WALL BOARD W1a] EXISTING EXTERIOR WALL W1/ WITH -STO(FINISH , PRIMER, BASE COAT W/ REINFORCING MESH EMBEDDED, STO REINFORCING MESH) -102mm THK. MINERAL WOOL INSULATION BOARD RSI:2.8 -10mm STO DRAIN SCREEN -STO AIR AND MOISTURE BARRIER W1b] EXISTING EXTERIOR WALL W1/ WITH -16mm HORIZONTAL VINYL WALL SIDING -22mm VER. ALUM. FURRING CHANNEL @ 406mm MAX -102mm THK. MINERAL WOOL INSULATION BOARD RSI:2.8 -AIR BARRIER MEMBRANCE W2g] EXISTING EXTERIOR WALL(45MIN F.R.R) -STO(FINISH , PRIMER, BASE COAT W/ REINFORCING MESH EMBEDDED , STO REINFORCING MESH) -102mm THK. MINERAL WOOL INSULATION BOARD RSI:2.8 -10mm STO DRAIN SCREEN -STO AIR AND MOISTURE BARRIER -16mm THICK TYPE 'X' FIBERGLASS MAT FACED EXTERIOR SHEATHING -203mm STEEL STUDS @ 206mm O.C., W/MINERAL FIBER BATT INSULATION - 6mil POLYETHYLENE VAPOUR BARRIER -16mmTHICK TYPE 'X' GYPSUM WALL BOARD	P1] EXISTING INTERIOR PARTITION ULC-W453 1HR FIRE RATING : 1 LAYERS 5⁄8" TYPE "X" GYPSUM BOARD 5 5/8" STEEL STUDS @ 16" O.C. W/ BATT INSULATION 1 LAYERS 5⁄8" TYPE "X" GYPSUM BOARD NEW INTERIOR PARTITION P2] 1 LAYER 1⁄2" GYPSUM BOARD 5 5/8" STEEL STUDS @ 16" O.C. 1 LAYER 1⁄2" GYPSUM BOARD P3] NEW PLUMBING WALL: 2"X4" STUDS @ 16" O.C. MAX. 1 LAYER 1⁄2" GYPSUM BOARD P4] EXISTING PARTITION SMOKED SEALED AND FULL HEIGHT WALL 1 LAYER 3⁄4" GYPSUM BOARD 5 5/8" STEEL STUDS @ 16" O.C. MAX. 1 LAYER 1⁄2" GYPSUM BOARD
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BASE CODE REVIEW	NATIONAL BUILDING CODE 2023 - ALBERTA EDITION
3.1.17.1. OCCUPANT LOAD BASED ON CHILD CARE & STAFFING REQUIREMENTS:	
3.2.4.1. FIRE ALARM REQUIRED - CHILDCARE FACILITY W/ < 40 OCCUPANTS	
3.4.2.1. ONE EXIT CRITERIA DOES NOT CONFORM - MUST PROVIDE MULTIPLE EXITS	
3.4.2.5. TRAVEL DISTANCE REQUIRED: 45.0m PROVIDED: 25m	
3.4.3.2. EXIT WIDTH REQUIRED: 6.1mm x 70 = 427mm PROVIDED: 9,000mm DOORWAYS: 800mm MIN. CORRIDORS: 1100mm MIN.	
3.4.4.1. EXIT FIRE RATING 45 MIN. FRR REQUIRED	
3.6.2.1. SERVICE ROOMS 1 HOUR FRR REQUIRED	
3.7.2.2. WASHROOMS REQUIRED: PROVIDED 5 WASH ROOMS AND 2 UTR WASH ROOM	
3.8.2.3.(4) B.F. ACCESS AREAS REQUIRED TO BE BARRIER-FREE	
3.8.3.2. B.F. PATH OF TRAVEL REQUIRED: 920mm	
3.7.2.2.(7): ...WATER CLOSETS REQUIRED FOR PRIMARY SCHOOLS & DAYCARE FACILITIES SHALL BE AT LEAST ONE FOR EACH 30 MALES AND ONE FOR EACH 25 FEMALES.	
3.7.2.3.(5): DAYCARE FACILITIES SHALL HAVE AT LEAST ONE SINK SUITABLE FOR WASHING TOYS.	



KEY PLAN

SCALE: N.T.S.



CONSTRUCTION ASSEMBLY

EF1 - EXISTING CONCRETE SLAB (ABOVE/BELOW GRADE)

- FLOOR FINISH
- SLAB ON GRADE
- 102 mm XPS RIGID INSULATION 1200mm AROUND SLAB PERIMETER
- 15 mil VAPOUR /RADON BARRIER w/ all PENETRATION SEALED
- COMPACT GRANULAR FILL . FILL TYPE AND THICKNESS TO MEET RADON MITIGATION REQ

R1 - EXISTING ROOF

- 1LAYER OF102mm & 1LAYER 76mm POLYISO RIGID INSULATION, STAGGERED,JOINTS TIGHT
- S.B.S VAPOUR BARRIER MEMBRANE
- 13mm THK DECK LEVELING BOARD
- METAL ROOF DECK
- STRUCTURAL FRAMING

- F1] FLOOR - VINYL
- F2] FLOOR - NON-SLIP CERAMIC TILE
- C1] SUSPENDED T-BAR CEILING

NOTE: CONTRACTOR MUST CONSULT WITH THE STRUCTURAL ENGINEER BEFORE TAKING DOWN ANY WALLS OR PARTITION.

PLAY GROUND CALCULATION			
DETAILED CHILDREN LOAD CALCULATIONS			
CHILD AGE	Q.U.	sq.m PER CHILD	TOTAL sq.m
19 MONTHS AND OVER	72	4.5 sq.m PER CHILD	324
BABIES LESS THAN 12 MOS	68	2 sq.m PER CHILD	136
TOTAL	140		460
50% OF TOTAL AREA			230 sq m

REQUIRED 230 sq m MIN AREA / PROVIDED TOTAL 235.2 sq m OUT DOOR PLAY AREA

WATER CLOSETS CALCULATIONS				
NUMBER OF PERSONS	3.7.2.2A	REQUIRED WATER CLOSET	PROVIDED WATER CLOSETS	H/C WATER CLOSETS PROVIDED
83 MALE	76-100	2	2	1
83 FEMALE	76-100	4	3	1
116 TOTAL		6	5	2

PARKING STALLS REQUIREMENT : 1 STALL PER 10 KIDS , WE HAVE 140 KIDS SO WE NEED 14 PICK UP AND DROP OFF STALLS

OCCUPANT LOAD CALCULATIONS			
MAJOR OCCUPANCY	AREA (M²)	CALCULATED OCCUPANT LOAD	ANTICIPATED OCCUPANT LOAD
DAYCARE	520 M²	140	140
# OF STAFF	-----	-----	26
TOTAL			166

MAJOR OCCUPANT LOAD CALCULATIONS				
MAJOR OCCUPANCY	AREA (M2)	ABC FACTOR (M2)	CALCULATED OCCUPANT LOAD	ANTICIPATED OCCUPANT LOAD
CHILD CARE SERVICES	520	3.7	140	140

TOTAL ANTICIPATED CHILDREN LOAD WILL BE 140 CHILDREN

General Notes:

- 1-GENERAL CONTRACTOR TO VERIFY THE SITE MEASUREMENTS PRIOR TO CONSTRUCTION TO MAKE SURE IT IS MATCHING THE DRAWINGS
- 2-ANY DISCREPANCY BETWEEN THE DRAWINGS AND THE SITE CONDITIONS GC HAS TO COORDINATE WITH THE CONSULTANT
- 3-CONTRACTOR MUST CONSULT WITH THE STRUCTURAL ENGINEER BEFORE TAKING DOWN ANY WALLS OR PATITIONS.

Consultant:

4		
3		
2		
1	ISSUED FOR BP SUBMISSION	2026 - 02-11
NO	DESCRIPTION	DATE

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Drawings shall not be scaled. The Contractor shall verify and be responsible for all dimensions, datum, and elevations pertinent to executing the work. Discrepancies and variations shall be reported to the Architect prior to commencing construction.

These Design Documents are prepared Solely for the use by the Party with whom the SK Architect has entered into a Contract and there are no Representations of any kind made by the SK Architect to any Party with whom the SK Architect has not entered into contract.

Client

SMART KIDS DAYCARE

Project

DAYCARE

Address

#3110 55 BELVEDERE BV SE
CALGARY ,AB

Sheet

GENERAL NOTES

Project number

SK-174

A.01

Scale

N/A

DEVELOPMENT
PERMIT
DECISION
RENDERED
ON THIS PLAN

SKArchitect Ltd.

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