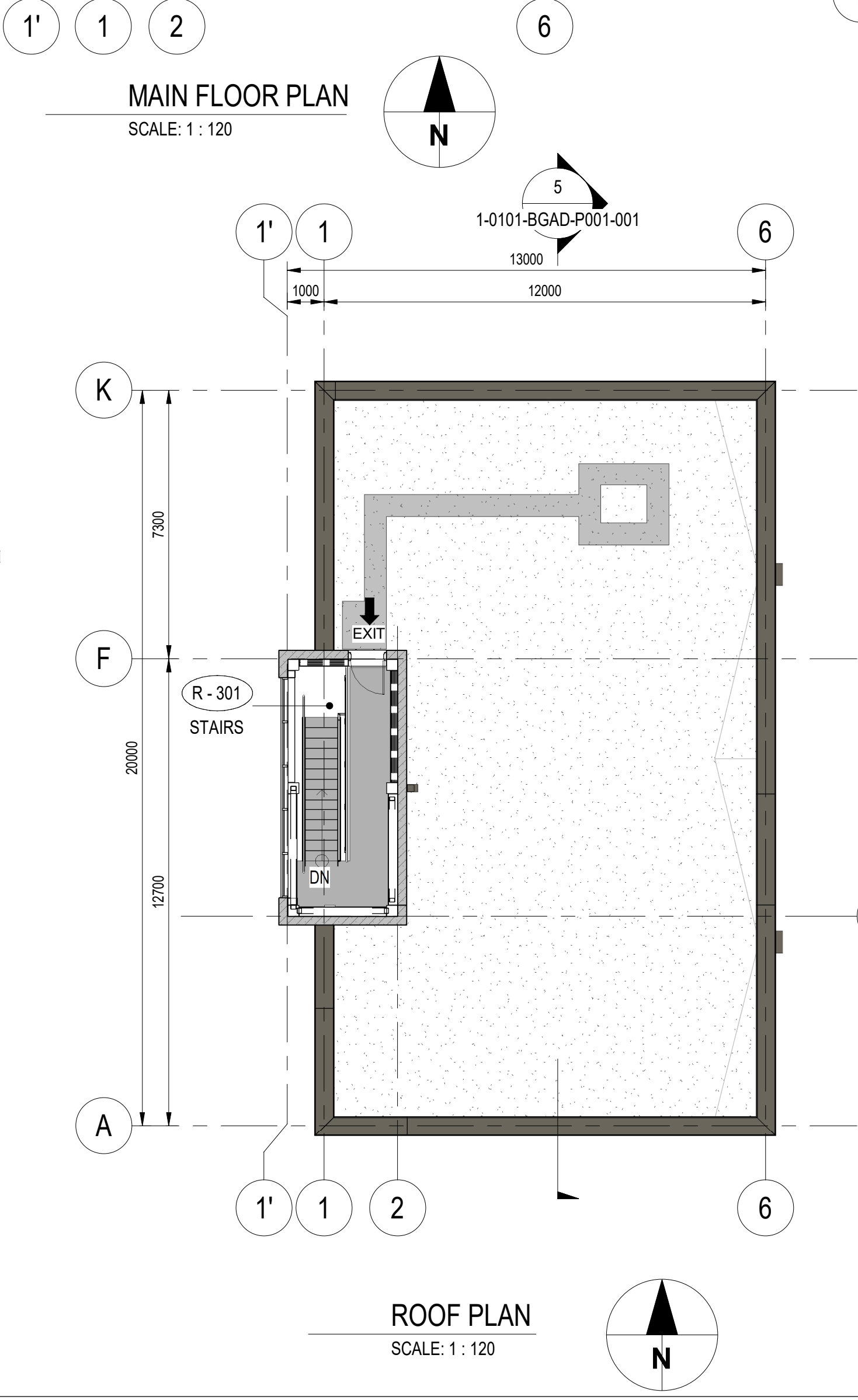
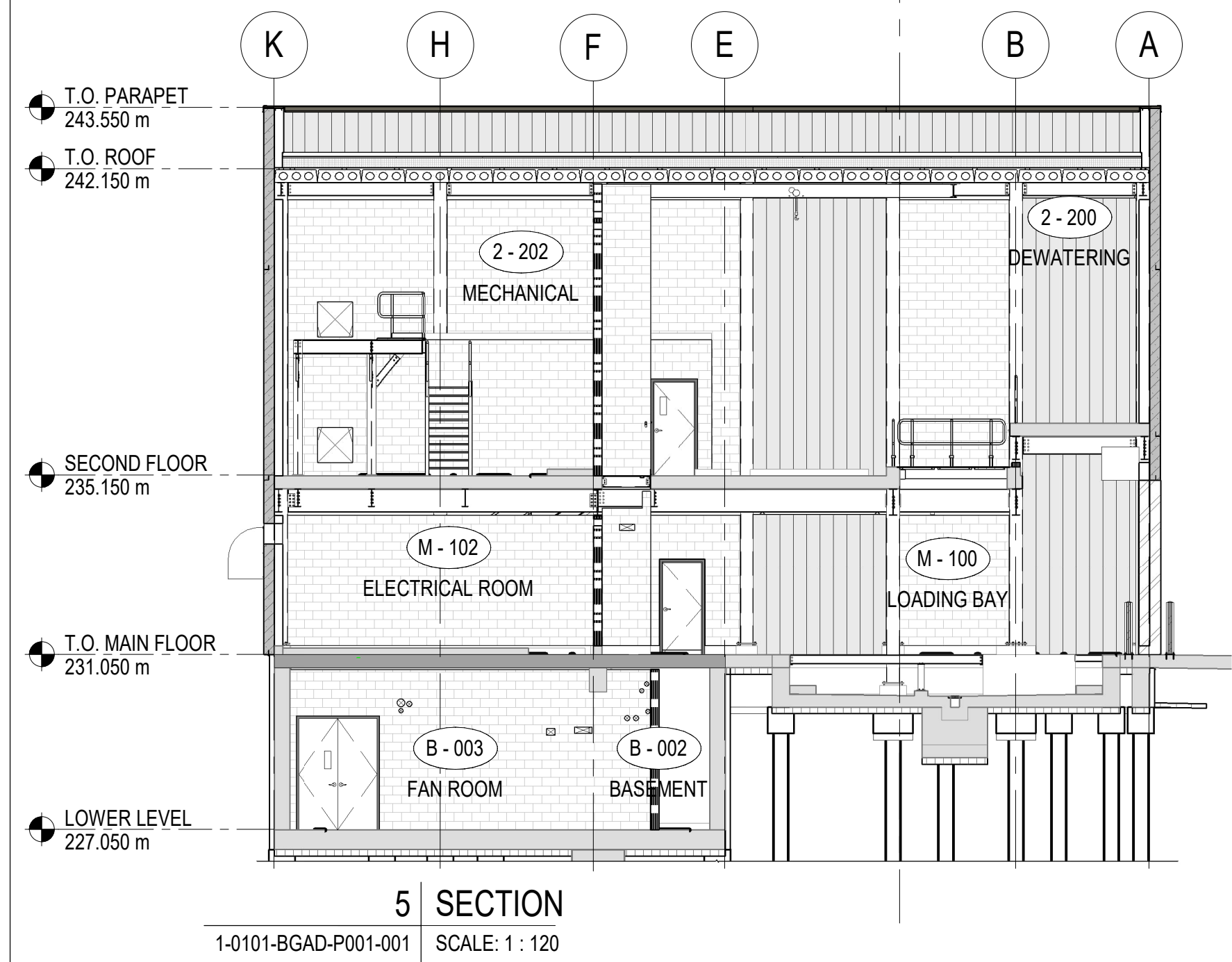
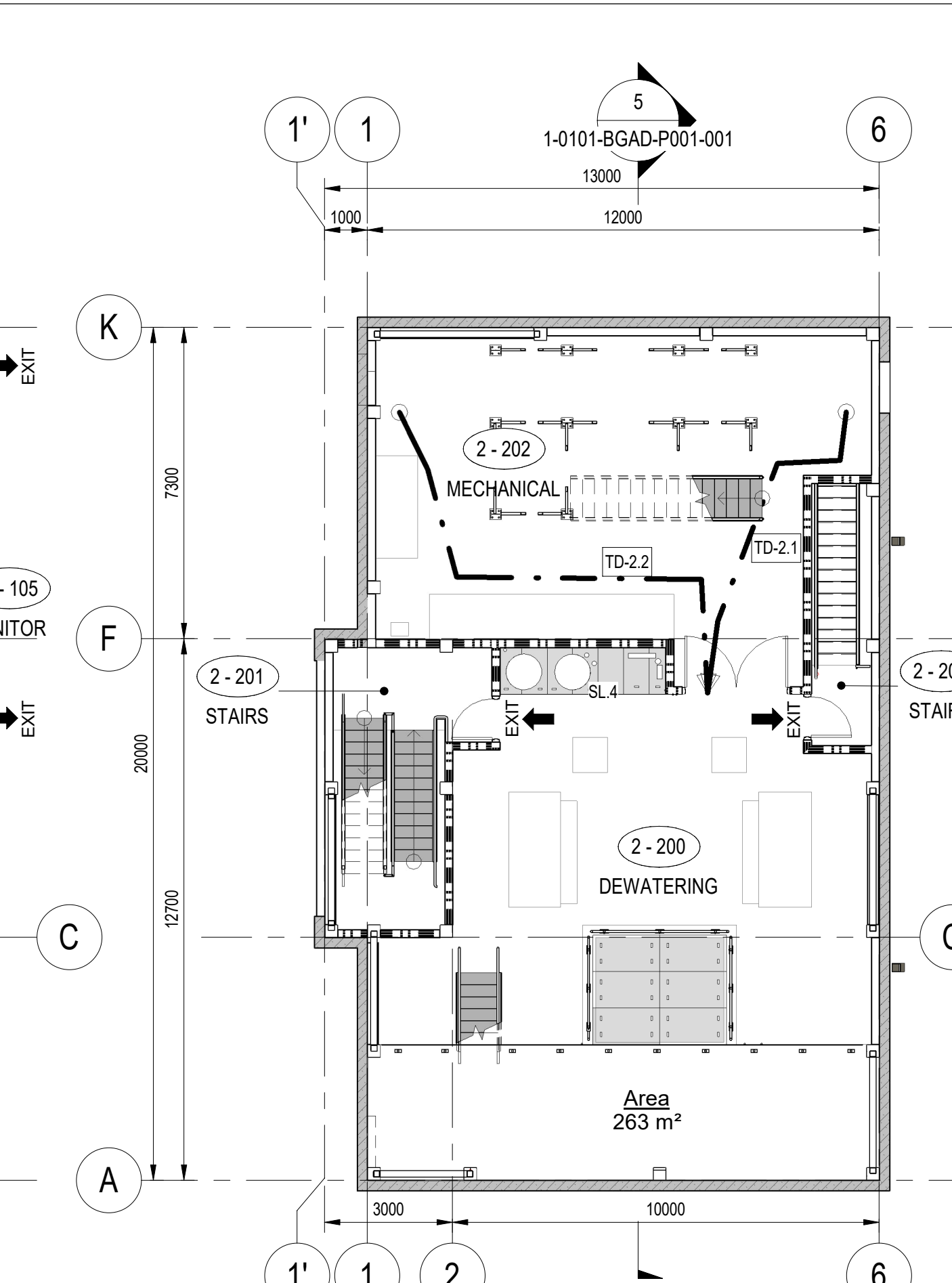
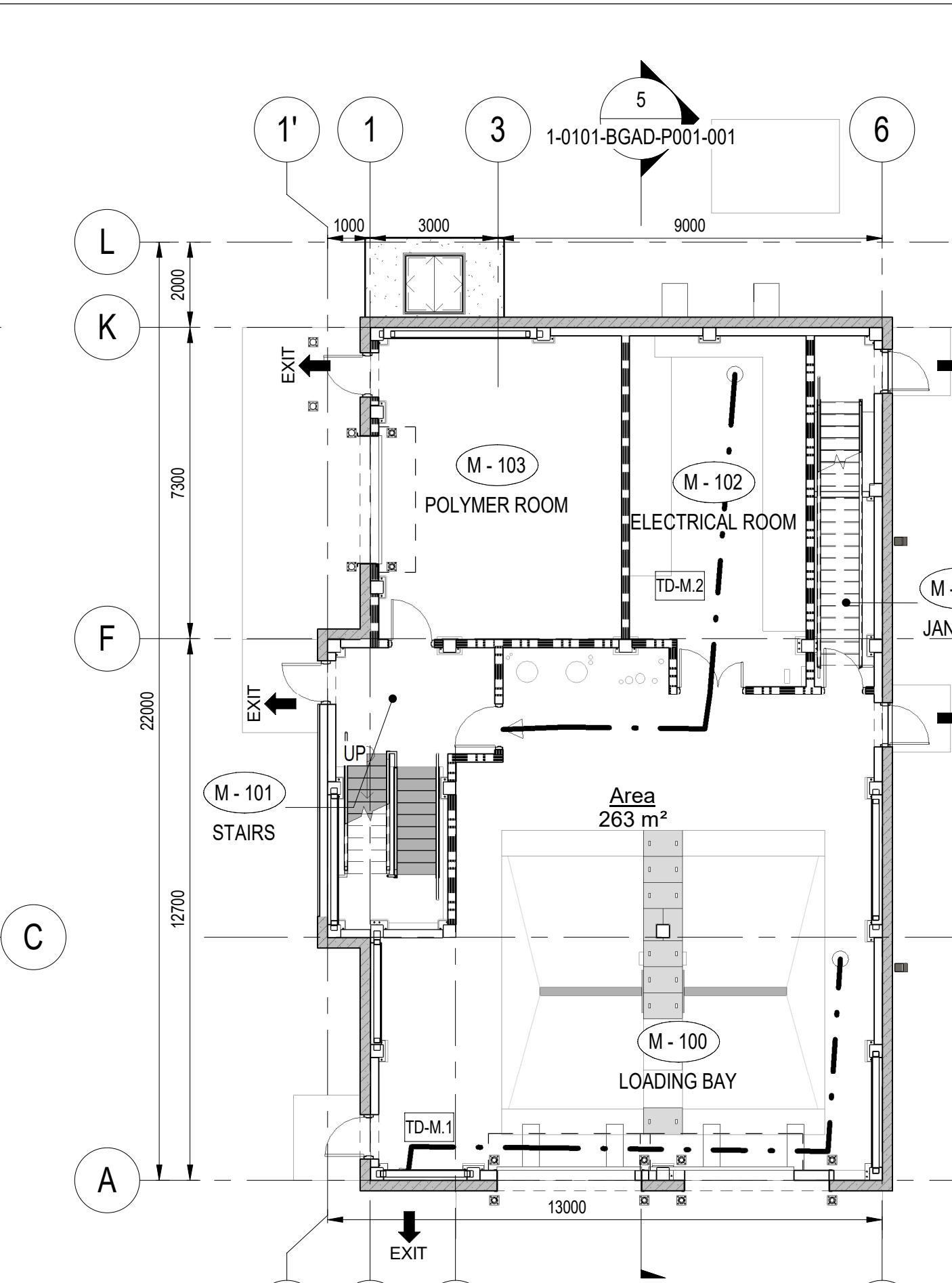
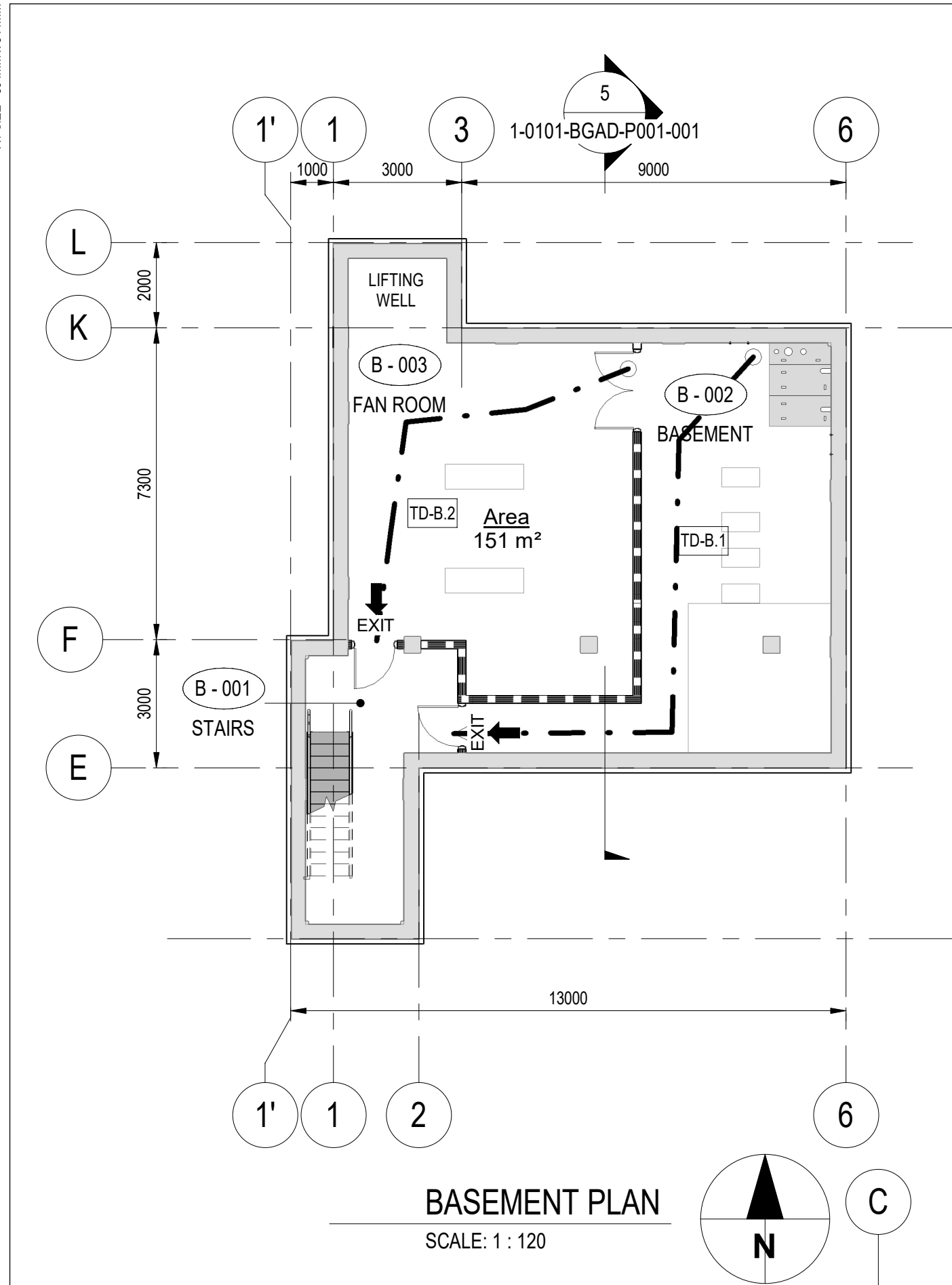


AT SIZE - 594mm x 841mm
LAST SAVE: 2025-04-03 2:29:16 PM
PATH: BIM 360/City of Winnipeg - NEWPCC Upgrades 2021/60861262-ACM-P3.dwg_V21.rvt



PROVINCE OF MANITOBA
AECOM CANADA ARCHITECTS LTD.
No. 169
2025-04-04

EGRESS		
MARK	TRAVEL DISTANCE	COMMENTS
TD-B.1	14.6 m	30m MAX. TRAVEL DISTANCE
TD-B.2	10.5 m	30m MAX. TRAVEL DISTANCE
TD-M.1	15.3 m	30m MAX. TRAVEL DISTANCE
TD-M.2	13.1 m	30m MAX. TRAVEL DISTANCE
TD-2.1	8.3 m	30m MAX. TRAVEL DISTANCE
TD-2.2	12.5 m	30m MAX. TRAVEL DISTANCE

WALL SEPARATION LEGEND	
1 HR FRR & AIR TIGHT	
2 HR FRR & AIR TIGHT	

BUILDING CODE ANALYSIS				
PROJECT DESCRIPTION: MCCN BOOSTER PUMPING STATION		APPLICABLE CODE REFERENCE NUMBER		
NEW ☒ ADDITION ☐ ALTERATION ☐ CHANGE OF USE ☐				
BUILDING CODES USED: NATIONAL BUILDING CODE OF CANADA 2020 (NBCC) NATIONAL FIRE CODE OF CANADA 2020 (NFCC) MANITOBA BUILDING CODE 2024				
MAJOR OCCUPANCY CLASSIFICATION: GROUP F, DIVISION 3, UP TO 2 STOREYS, NOT SPRINKLERED, MAX. 1000m², FACING 2 STREETS		NBC 3.2.2.87		
BUILDING AREA = NEW 263m² EXISTING = N/A TOTAL = 263m²				
NUMBER OF STOREYS ABOVE GRADE = 2 NUMBER OF STOREYS BELOW GRADE = 1		NBC 3.2.2.15		
MEZZANINE AREA = N/A				
NUMBER OF STREETS / FIREFIGHTER ACCESS = FACING 2 STREET				
SPRINKLER SYSTEM REQUIRED:		☐ ENTIRE BUILDING ☐ BASEMENT ONLY ☐ IN LIEU OF ROOF RATING ☒ NOT REQUIRED		NBC 3.2.2.87 NBC 3.2.1.4 NBC 3.2.1.5
PERMITTED CONSTRUCTION: ☐ COMBUSTIBLE ☐ NONCOMBUSTIBLE / HEAVY TIMBER ☒ BOTH		ACTUAL CONSTRUCTION: ☐ COMBUSTIBLE ☒ NONCOMBUSTIBLE ☐ BOTH		NBC 3.2.2.87
LIMITING DISTANCE, SPATIAL SEPARATION & EXPOSING BUILDING FACES:		NBC 3.2.3, TABLE 3.2.3.1.B, TABLE 3.2.3.7		
NEW BUILDING				
NORTH FACE	SOUTH FACE	EAST FACE	WEST FACE	
RATIO = LESS THAN 3:1 AREA = 147m² LD = 14m ALLOWED OPNGS = 100% OPENINGS = 10% BUILDING FACE FRR = 0H TYPE OF CLADDING REQ'D ☐ COMBUSTIBLE ☐ NONCOMBUSTIBLE ☒ BOTH	RATIO = LESS THAN 3:1 AREA = 147m² LD = 16m ALLOWED OPNGS = 100% OPENINGS = 35% BUILDING FACE FRR = 0H TYPE OF CLADDING REQ'D ☐ COMBUSTIBLE ☐ NONCOMBUSTIBLE ☒ BOTH	RATIO = LESS THAN 3:1 AREA = 242m² LD = 18m ALLOWED OPNGS = 100% OPENINGS = 30% BUILDING FACE FRR = 0H TYPE OF CLADDING REQ'D ☐ COMBUSTIBLE ☐ NONCOMBUSTIBLE ☒ BOTH	RATIO = LESS THAN 3:1 AREA = 263m² LD = 26m ALLOWED OPNGS = 100% OPENINGS = 30% BUILDING FACE FRR = 0H TYPE OF CLADDING REQ'D ☐ COMBUSTIBLE ☐ NONCOMBUSTIBLE ☒ BOTH	
STANDPIPE REQUIRED:	☐ YES ☒ NO	NBC 3.2.5.8		
ADEQUATE WATER SUPPLY / SERVICE:	☒ YES ☐ NO	NBC 3.2.5.7		
FIRE ALARM REQUIRED:	☐ YES ☒ NO	NBC 3.2.4.1		
FIRE DETECTORS REQUIRED:	☐ YES ☒ NO	NBC 3.2.4.10		
SMOKE DETECTORS REQUIRED:	☒ YES ☐ NO	NBC 3.2.4.11		
EMERGENCY LIGHTING REQUIRED:	☒ YES ☐ NO	NBC 3.2.7.3		
EXIT SIGNAGE REQUIRED:	☒ YES ☐ NO	NBC 3.4.5.1		
ATTIC FIRESTOPS REQUIRED:	☐ YES ☒ NO NO ATTIC SPACE	NBC 3.1.11.5		
BARRIER FREE ACCESS REQUIRED:	☐ YES ☒ NO (EXPLAIN)	NBC 3.8		
SERVICE BUILDING REQUIRING HEAVY LIFTING				
HAZARDOUS SUBSTANCES:	☐ YES ☒ NO	NBC 3.3.5, NFCC 3.2.7.9		
HIGH BUILDING:	☐ YES ☒ NO	NBC 3.2.6		
OCCUPANT LOAD:	BASED ON STAFFING ☒ BASED ON CODE ☐ 2 PART TIME OCCUPANTS (SERVICE BUILDING)	NBC 3.1.17.1 OCCUPANT LOAD		
W/C'S REQUIRED:	NONE. SERVICE BUILDING WITHIN A COMPOUND WITH WASHROOMS.	NBC TABLE 3.7.2.2-C WATER CLOSETS		
MINIMUM NUMBER OF REQUIRED EXITS FOR LOWER LEVEL = 1 MINIMUM NUMBER OF REQUIRED EXITS FOR MAIN FLOOR = 2 MINIMUM NUMBER OF REQUIRED EXITS FOR SECOND FLOOR = 2		NBC 3.4.2.1.b MAX. 200m² FOR 1 EXIT		
TRAVEL DISTANCES = 30M FOR GROUP F3 OCCUPANCIES		NBC 3.4.2.5.f		
CORRIDOR SEPARATIONS		NBC 3.3.1.4		
FIRE SEPARATIONS REQUIRED: FIRE RESISTANCE RATING REQUIRED = MIN. 45 MINUTES		☐ YES ☒ NO NO SUITES		
REQUIRED FIRE RESISTANCE RATING IN HOURS:				
ROOF ASSEMBLY	BEARING ASSEMBLIES	FLOOR ASSEMBLIES	GENERATOR ROOM	ELECTRICAL ROOM
FRR REQ'D = 0H NBC 3.2.2.87	FRR REQ'D = 0H NBC 3.2.2.87 NONCOMBUSTIBLE CONSTRUCTION	FRR REQ'D = 0H NBC 3.2.2.87 NONCOMBUSTIBLE CONSTRUCTION	N/A	FRR REQ'D = 1H NBC 3.6.2.1.7 CONTINUE WALL FRR INTO CEILING.

DESIGNED BY: AC CHECKED BY: KS

DRAWN BY: AC APPROVED BY: NW

SCALE: As indicated RELEASED FOR CONSTRUCTION BY:

DATE: 2020-12-09 DATE:

CONSULTANT NO.: P3-B100

ENGINEER'S SEAL

PROVINCE OF MANITOBA
KEVIN ARTHUR SIDDALL
REGISTERED ARCHITECT
2025-04-07

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

NORTH END SEWAGE TREATMENT PLANT
PRIMARY CLARIFICATION PROJECT
ARCHITECTURAL
LIFE SAFETY PLAN

CITY DRAWING NUMBER
1-0101-BGAD-P001

SHEET
001

REV.
01

SIZE
A1

TENDER NO. 721-2024