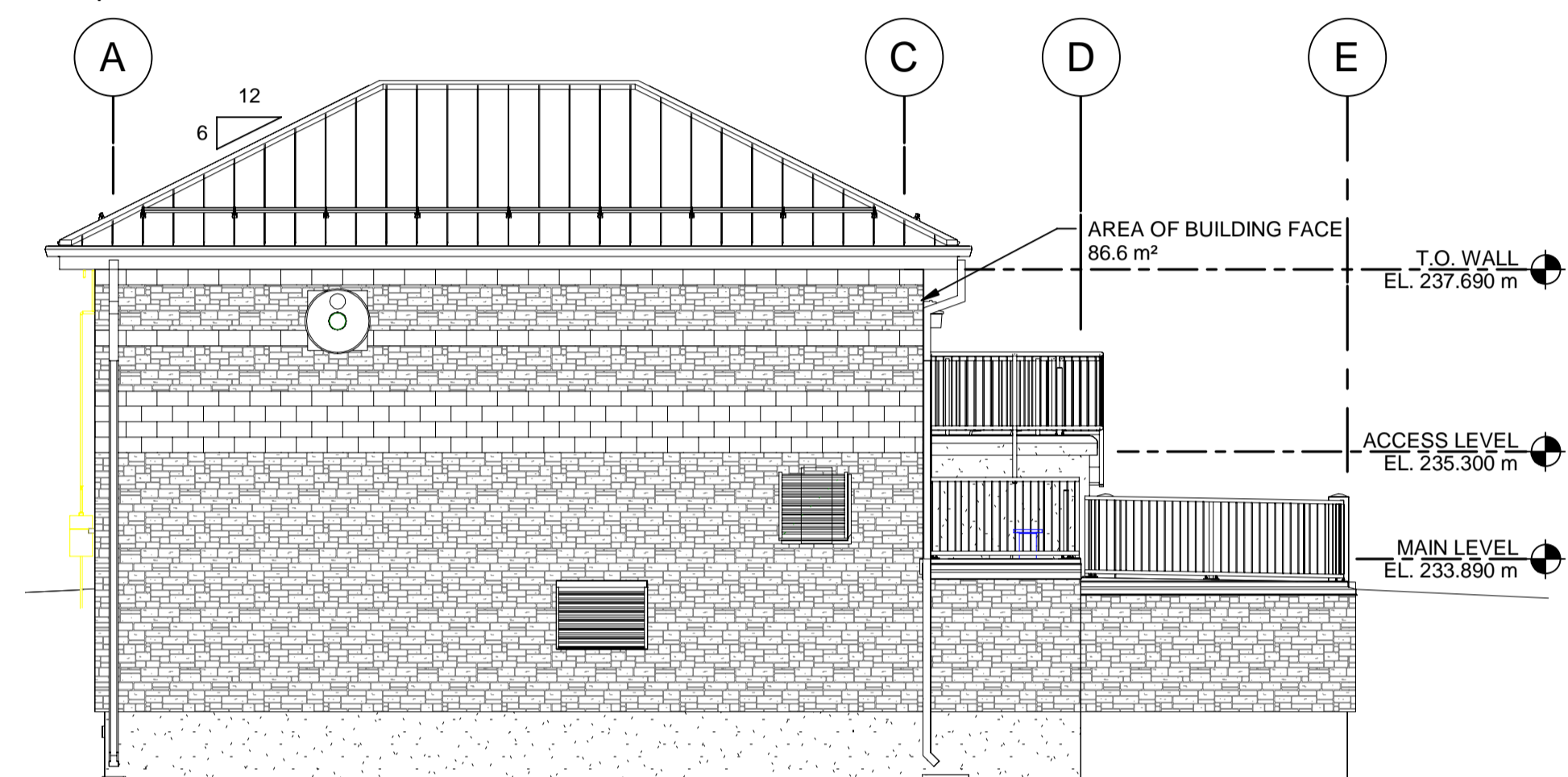


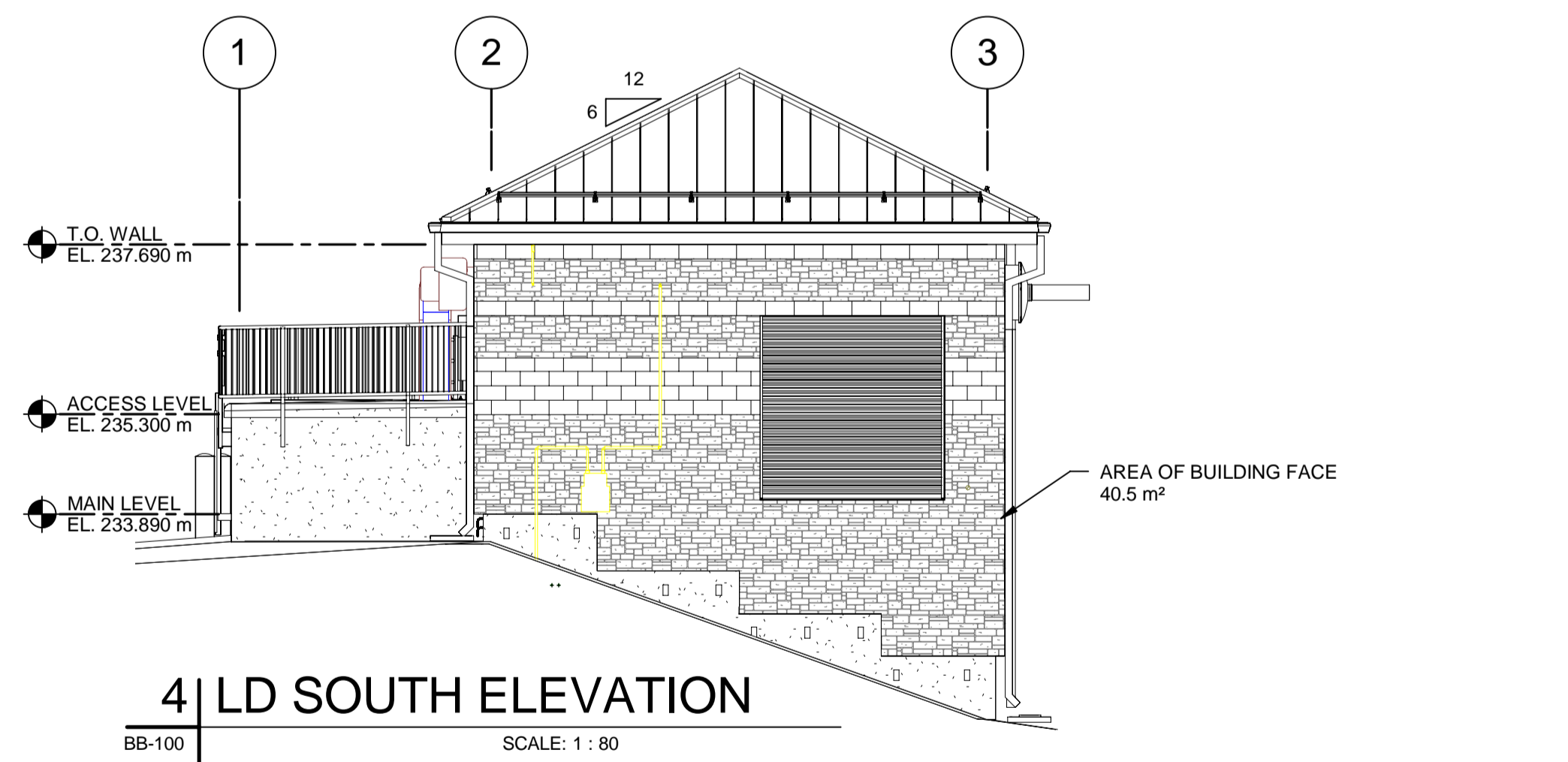
2 | LD NORTH ELEVATION

BB-100 SCALE: 1 : 80



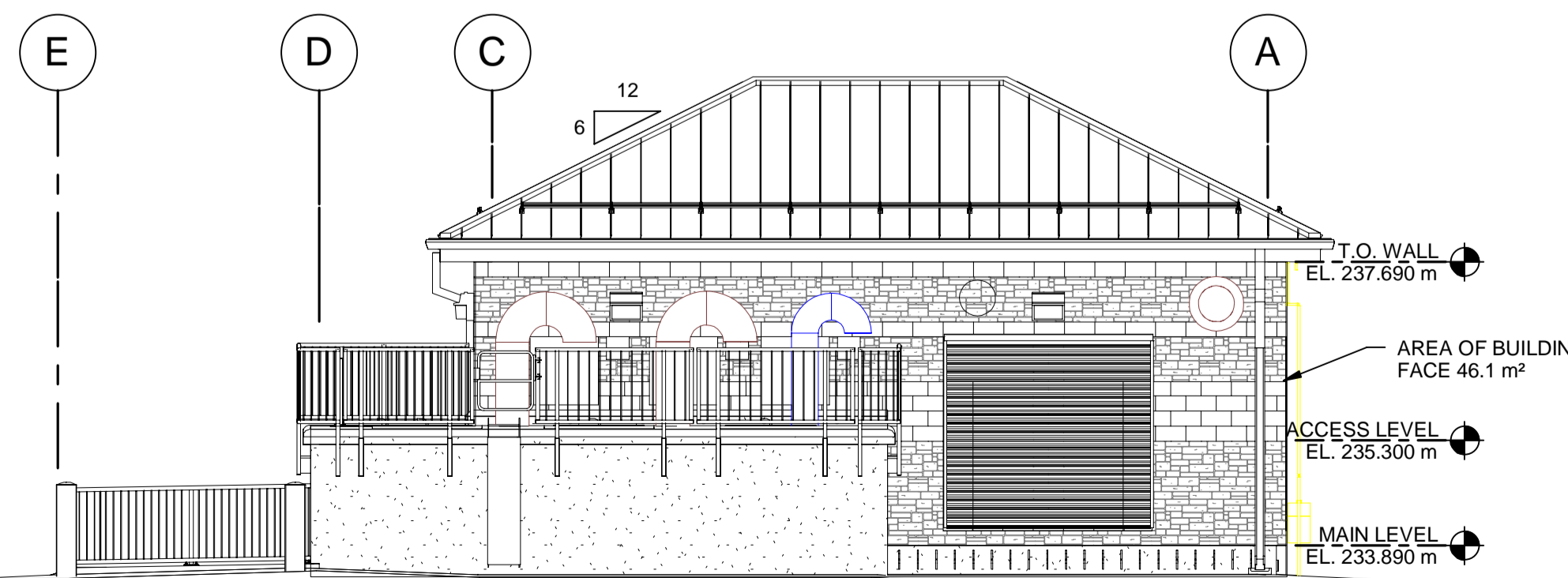
3 | LD EAST ELEVATION

BB-100 SCALE: 1 : 80



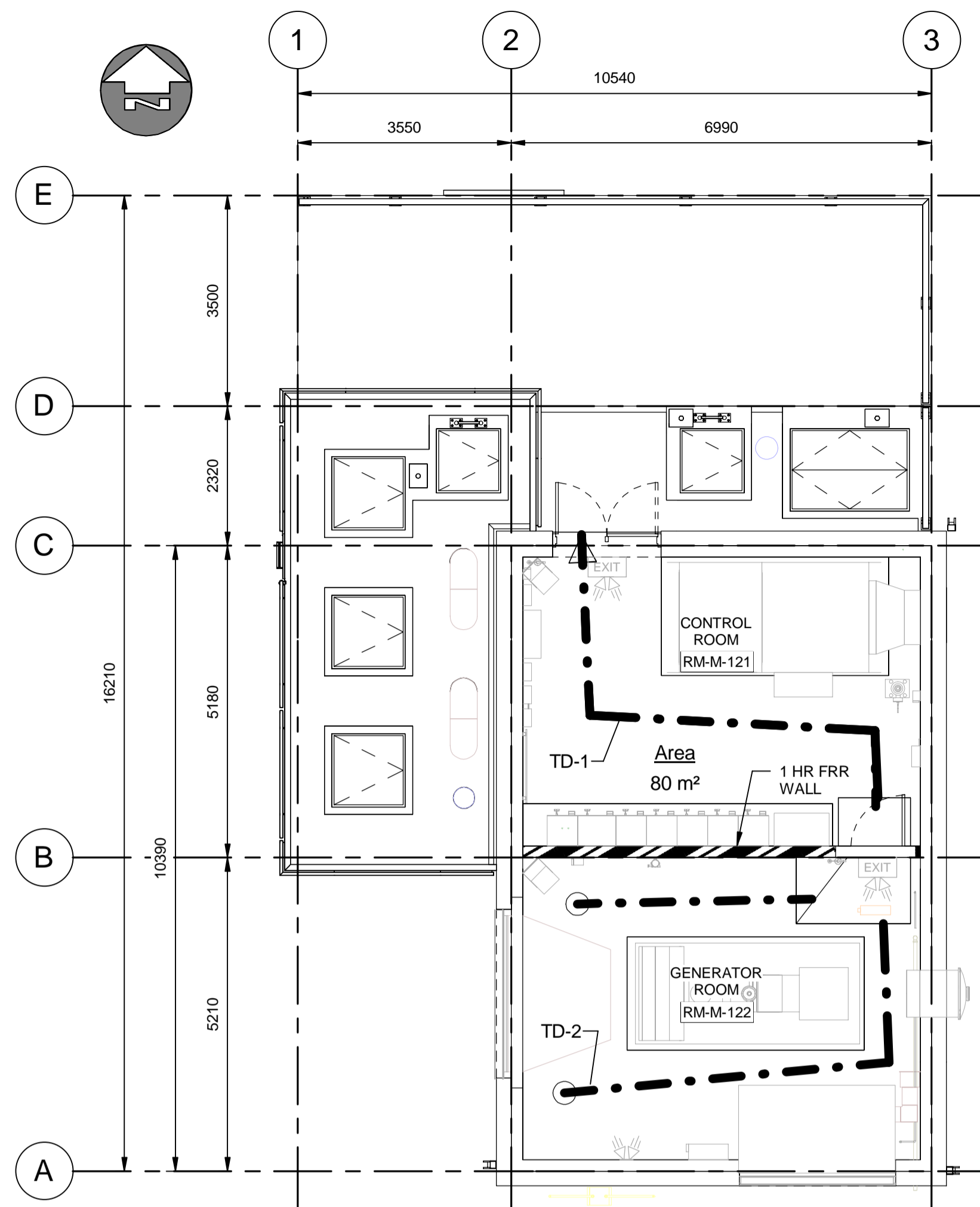
4 | LD SOUTH ELEVATION

BB-100 SCALE: 1 : 80



5 | LD WEST ELEVATION

BB-100 SCALE: 1 : 80



1 | MAIN LVL - LIFE SAFETY PLAN

BB-100 SCALE: 1 : 75

TRAVEL DISTANCE SCHEDULE			
MARK	EGRESS TRAVEL DISTANCE	REQUIREMENT	EGRESS FROM
MAIN LEVEL			
TD-1	15 m	30m TRAVEL DISTANCE	MAIN LEVEL
TD-2	19 m	30m TRAVEL DISTANCE	MAIN LEVEL

BUILDING CODE ANALYSIS				
PROJECT DESCRIPTION: WAVERLY UNDERPASS PUMPING STATION		APPLICABLE CODE REFERENCE NUMBER		
<input checked="" type="checkbox"/> NEW <input type="checkbox"/> ADDITION <input type="checkbox"/> ALTERATION <input type="checkbox"/> CHANGE OF USE				
BUILDING CODES USED: NATIONAL BUILDING CODE OF CANADA 2010 (NBC) NATIONAL FIRE CODE OF CANADA 2010 (NFCC)				
MAJOR OCCUPANCY CLASSIFICATION: PART 9, GROUP F, DIVISION 3, LOW HAZARD INDUSTRIAL OCCUPANCY				NBC 9.10.2.1
BUILDING AREA = NEW 80m²    EXISTING = 0    TOTAL = 80m²				
NUMBER OF STOREYS ABOVE GRADE = 1 NUMBER OF STOREYS BELOW GRADE = 1 (PUMP SERVICE SPACE)				NBC 9.10.4
MEZZANINE AREA = N/A				
NUMBER OF STREETS / FIREFIGHTER ACCESS = FACING 2 STREET				
SPRINKLER SYSTEM REQUIRED:		<input type="checkbox"/> ENTIRE BUILDING <input type="checkbox"/> BASEMENT ONLY <input type="checkbox"/> IN LIEU OF ROOF RATING <input checked="" type="checkbox"/> NOT REQUIRED		NBC 3.2.2.80
PERMITTED CONSTRUCTION:		ACTUAL CONSTRUCTION:		NBC 9.10.15.5
<input type="checkbox"/> COMBUSTIBLE <input type="checkbox"/> NON-COMBUSTIBLE <input checked="" type="checkbox"/> BOTH		<input type="checkbox"/> COMBUSTIBLE <input checked="" type="checkbox"/> NON-COMBUSTIBLE <input type="checkbox"/> BOTH		
LIMITING DISTANCE, SPATIAL SEPARATION & EXPOSING BUILDING FACES:				NBC 9.10.14.5, TABLE 9.10.14.5.A, TABLE 9.10.14.5.B
NORTH ELEVATION	SOUTH ELEVATION	EAST ELEVATION	WEST ELEVATION	
RATIO = 2:1 AREA = 50.5 m² LD = 16m ALLOWED OPNGS = 100% OPENINGS = 8% BUILDING FACE FRR = 0H TYPE OF CLADDING REQ'D <input type="checkbox"/> COMBUSTIBLE <input type="checkbox"/> NON-COMBUSTIBLE <input checked="" type="checkbox"/> BOTH	RATIO = 2:1 AREA = 47.3 m² LD = 10m ALLOWED OPNGS = 100% OPENINGS = 14% BUILDING FACE FRR = 0H TYPE OF CLADDING REQ'D <input type="checkbox"/> COMBUSTIBLE <input type="checkbox"/> NON-COMBUSTIBLE <input checked="" type="checkbox"/> BOTH	RATIO = 2:1 AREA = 88.2 m² LD = 16m ALLOWED OPNGS = 100% OPENINGS = 2% BUILDING FACE FRR = 0H TYPE OF CLADDING REQ'D <input type="checkbox"/> COMBUSTIBLE <input type="checkbox"/> NON-COMBUSTIBLE <input checked="" type="checkbox"/> BOTH	RATIO = 2:1 AREA = 50.3 m² LD = 10m ALLOWED OPNGS = 100% OPENINGS = 8% BUILDING FACE FRR = 0H TYPE OF CLADDING REQ'D <input type="checkbox"/> COMBUSTIBLE <input type="checkbox"/> NON-COMBUSTIBLE <input checked="" type="checkbox"/> BOTH	
STANDPIPE REQUIRED:		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		NBC 3.2.5.8
ADEQUATE WATER SUPPLY / SERVICE:		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		NBC 3.2.5.7
FIRE ALARM REQUIRED:		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		NBC 3.2.4.1
FIRE DETECTORS REQUIRED:		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		NBC 3.2.4.10
SMOKE DETECTORS REQUIRED:		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		NBC 3.2.4.11
EMERGENCY LIGHTING REQUIRED:		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		NBC 9.9.12.3
EXIT SIGNAGE REQUIRED:		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		NBC 9.9.11.3
ATTIC FIRESTOPS REQUIRED:		<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A		NBC 3.1.11.5
BARRIER FREE ACCESS REQUIRED:		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO    (EXPLAIN)		NBC 3.8
SERVICE BUILDING REQUIRING HEAVY LIFTING				
HAZARDOUS SUBSTANCES:		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		NBC 3.3.5, NFCC 3.2.7.9
HIGH BUILDING:		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		NBC 3.2.6
OCCUPANT LOAD: BASED ON STAFFING <input checked="" type="checkbox"/> BASED ON CODE <input type="checkbox"/>		1-3 INTERMITTENT PERSONS		BASED ON USE
W/C'S REQUIRED: N/R		W/C'S PROVIDED: N/R		SERVICE BUILDING
MINIMUM NUMBER OF REQUIRED EXITS FOR LOWER LEVEL = N/A MINIMUM NUMBER OF REQUIRED EXITS FOR MAIN FLOOR = 1 MINIMUM NUMBER OF REQUIRED EXITS FOR SECOND FLOOR = N/A TRAVEL DISTANCES = 30M FOR GROUP F3 OCCUPANCIES				NBC 9.9.8.2.2 MAX. 200m² FOR 1 EXIT NBC 9.9.8.2.c
PUBLIC CORRIDOR SEPARATIONS: FIRE SEPARATIONS REQUIRED = NON REQUIRED FIRE RESISTANCE RATING REQUIRED = REQUIRED				NBC 9.10.8.3
REQUIRED FIRE RESISTANCE RATING IN HOURS:				
ROOFS = 0.75H NBC 9.10.8.1	BEARING ASSEMBLIES = 0H NBC 9.10.8.5	FLOORS ASSEMBLIES = 0H NBC 9.10.8.1	GENERATOR ROOM = 1H NBC 9.10.10.3	ELECTRICAL ROOM = 1H NBC 9.10.10.3



METRIC  
WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

UNDERGROUND STRUCTURES SUPPLY U/G STRUCTURES    DATE		B.M. ELEV.			ENGINEER'S SEAL 	
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE. BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.			DESIGNED BY: KK DRAWN BY: KK HOR. SCALE: AS SHOWN VERTICAL:	CHECKED BY: GGP APPROVED BY: AN RELEASED FOR CONSTRUCTION:	CONSULTANT PROJECT NUMBER: 60321148	WAVERLEY STREET UNDERPASS AT CN MILE 3.89 RIVERS SUB CONTRACT 2: UNDERPASS STRUCTURE, RAILWORKS, ROADWORKS, LAND DRAINAGE SEWER, PUMPING STATION AND LANDSCAPING WORKS
NO.    REVISIONS    DATE    BY    DATE			ISSUED FOR TENDER: 17/01/09    KK	DATE: 06/01/2016	DATE: 09/06/2016	CITY DRAWING NUMBER: U-239-2016-C2-BB-100 SHEET 3 OF 9 CONSULTANT DRAWING NUMBER: C2-BB-100
PUMPING STATION LIFE SAFETY PLAN					CONSULTANT DRAWING NUMBER: C2-BB-100	