








CENTRE FOR HIGHER SECONDARY SCHOOL (CHSE)
Electrical, Plumbing, and Fire Safety Drawings










BLOCK - B










JULY 2020

CLIENT : MINISTRY OF EDUCATION.







	L07	2x28WATT / 830HFR SURFACE MOUNT LIGHT WITH MATT MIRROR RIBBED LAMELLAE COVER
	L09	150W LED CANOPY LIGHT –18750 LUMENS
	L14	20W SURFACE MOUNTED LED CEILING LIGHT
	L15	20W FLUSH MOUNTED LED CEILING LIGHT
	L35	50W WEATHERPROOF LED FLOODLIGHT
	L25	450W LED BAY LIGHT – 72000 LUMENS
	L26	20W SURFACE MOUNTED LED CEILING LIGHT IN WEATHER PROOF LUMINAIRE.











ELECTRICAL LEGEND

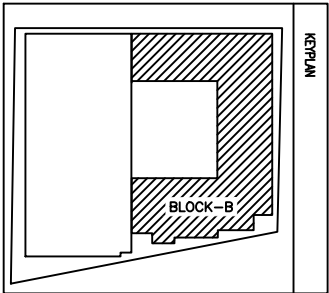
	P19	1GANG 1 WAY SWITCH
	P20	2GANG 1 WAY SWITCH
	P21	3GANG 1 WAY SWITCH
	P22	4GANG 1 WAY SWITCH
	P23	FAN / LIGHT DIMMER SWITCH
	P28	3 GANG 2 WAY SWITCH
	P01	1 GANG13A SOCKET OUTLET AT 300MM ABOVE FINISHED FLOOR LEVEL
	P02	2 GANG13A SOCKET OUTLET AT 300MM ABOVE FINISHED FLOOR LEVEL
	P04	2X2 GANG13A SOCKET OUTLET AT 300MM ABOVE FINISHED FLOOR LEVEL

	P05	1 GANG13A SOCKET OUTLET AT 900mm ABOVE FINISHED FLOOR LEVEL
	P06	2 GANG13A SOCKET OUTLET AT 900mm ABOVE FINISHED FLOOR LEVEL
	P08	2X2 GANG13A SOCKET OUTLET AT 900mm ABOVE FINISHED FLOOR LEVEL
	P09	1 GANG13A SOCKET OUTLET AT 1200mm ABOVE FINISHED FLOOR LEVEL
	P10	2 GANG13A SOCKET OUTLET AT 1200mm ABOVE FINISHED FLOOR LEVEL
	P12	2X2 GANG13A SOCKET OUTLET AT 1200MM ABOVE FINISHED FLOOR LEVEL
	P14	1 GANG 13A SOCKET OUTLET WEATHER PROOF
	P15	1 GANG13A SOCKET OUTLET AT CEILING LEVEL
	P16	1 GANG13A SOCKET OUTLET CEILING CONCEALED

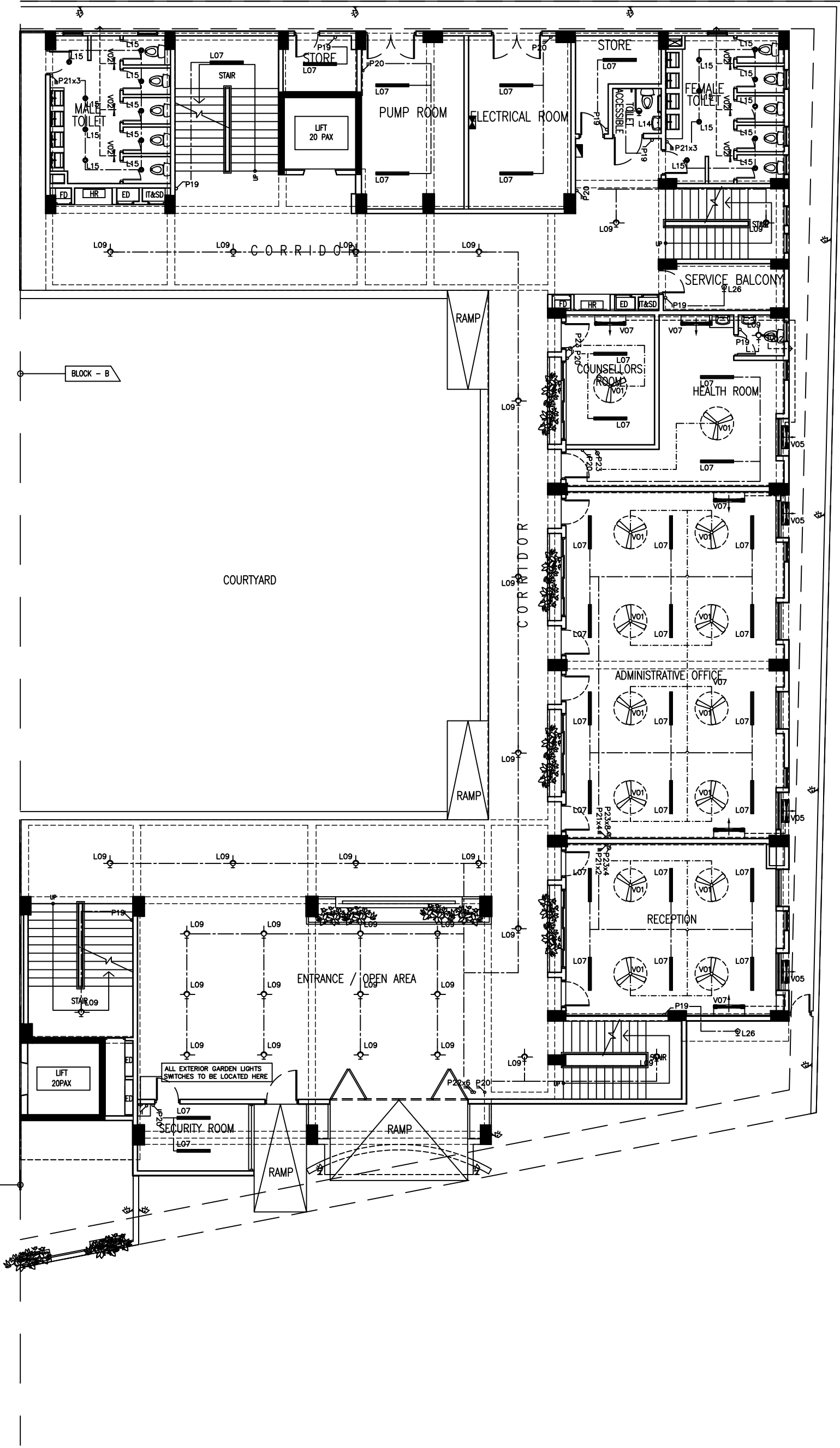
*W. SOCKET/SWITCH INSTALLED INSIDE WEATHER PROOF COVER.

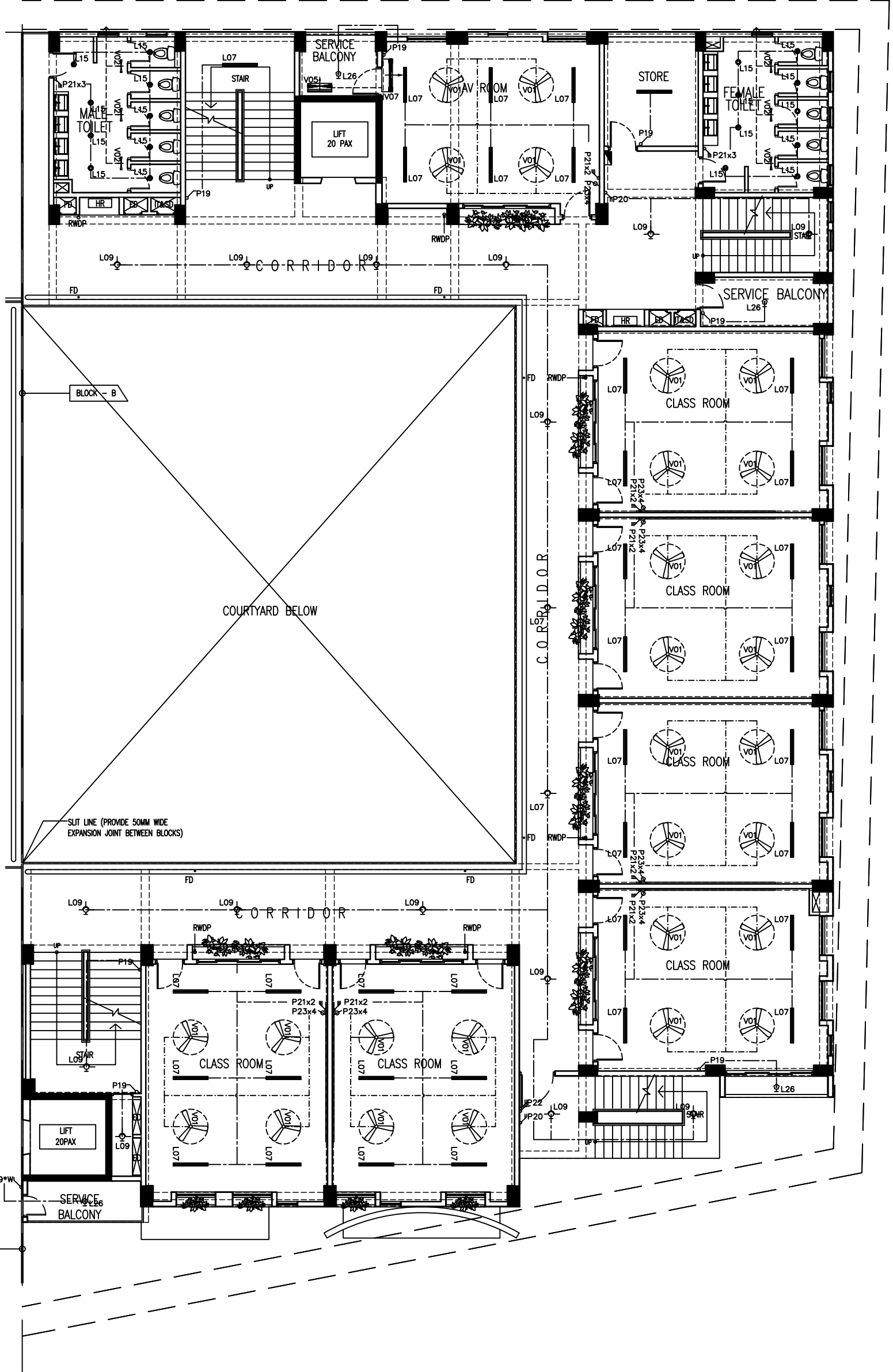
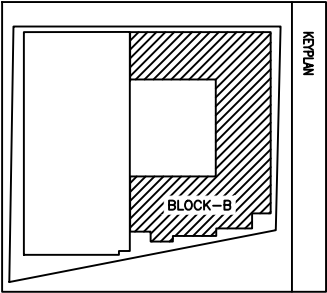
	V01	DIA. 1500 CEILING FAN
	V02	DIA. 300 CEILING RECESSED DUCTED EXHAUST SYSTEM
	V04	AIR-CONDITIONING INDOOR UNIT CEILING FIXED-CASSETTE TYPE
	V05	AIR-CONDITIONING OUTDOOR UNIT WALL MOUNTED
	V07	AIR-CONDITIONING INDOOR UNIT WALL MOUNTED
	L49	EXIT SIGN WITH 2H BACKUP GEAR

	P33	DISTRIBUTION BOARD
	P34	PANEL BOARD
	T10	T.V POINT
	T11	SPEAKER
	VGA01	VGA CABLE
	VGA02	VGA CABLE AT CEILING LEVEL
	MP01	MULTIMEDIA PROJECTOR
	T01	PLAIN TELEPHONE OUTLET (RJ11, CONNECTOR)
	T04	COMPUTER NETWORK OUTLET (RJ 45 CONNECTORS)
	T05	MULTIPLE COMPUTER NETWORK OUTLET (RJ 45 CONNECTORS)



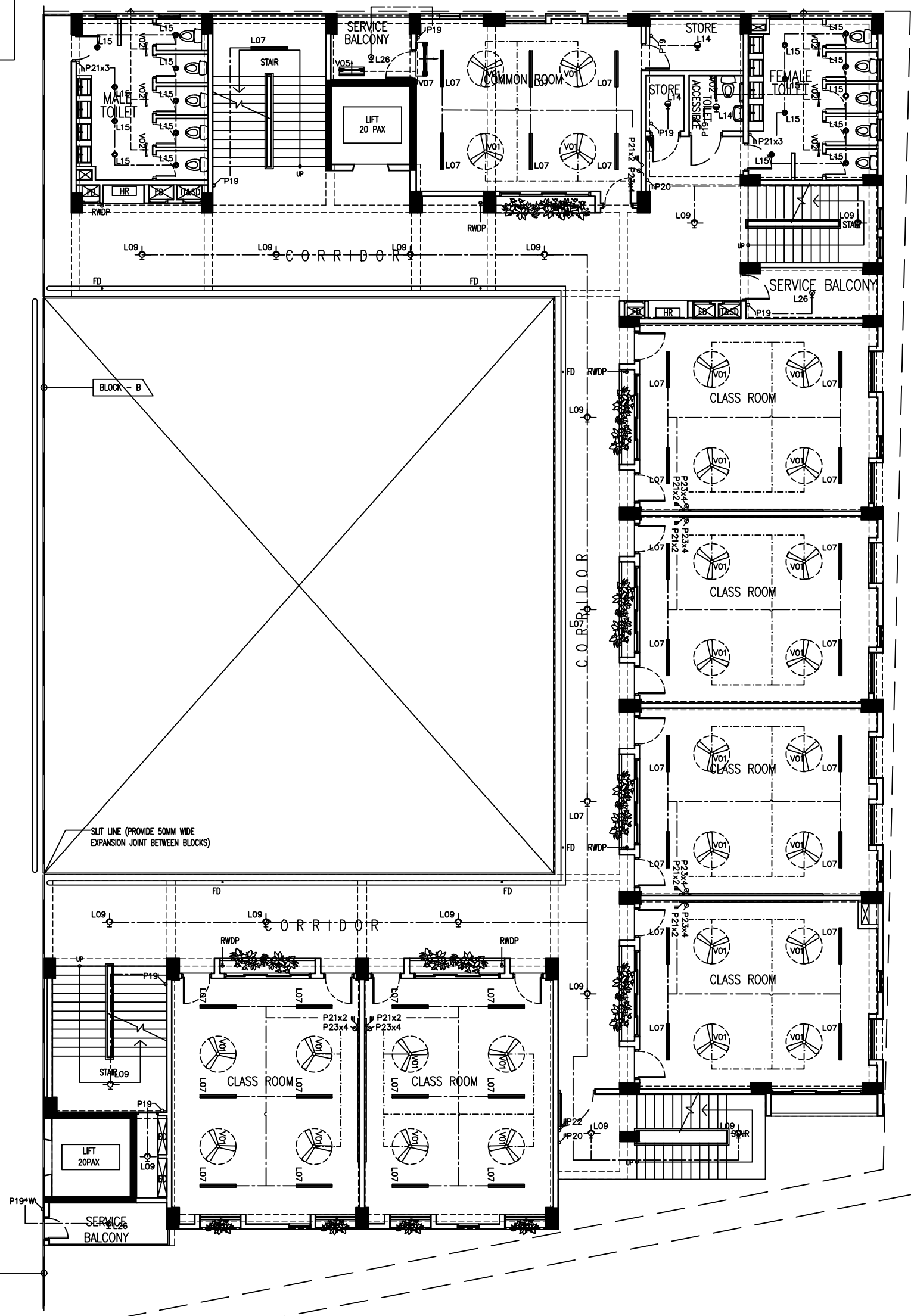
GROUND FLOOR LIGHTING & FAN/AC PLAN
SCALE 1:150

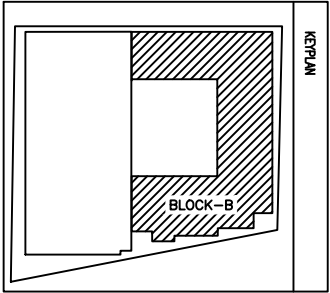




FIRST FLOOR LIGHTING & FAN/AC PLAN
SCALE 1:150

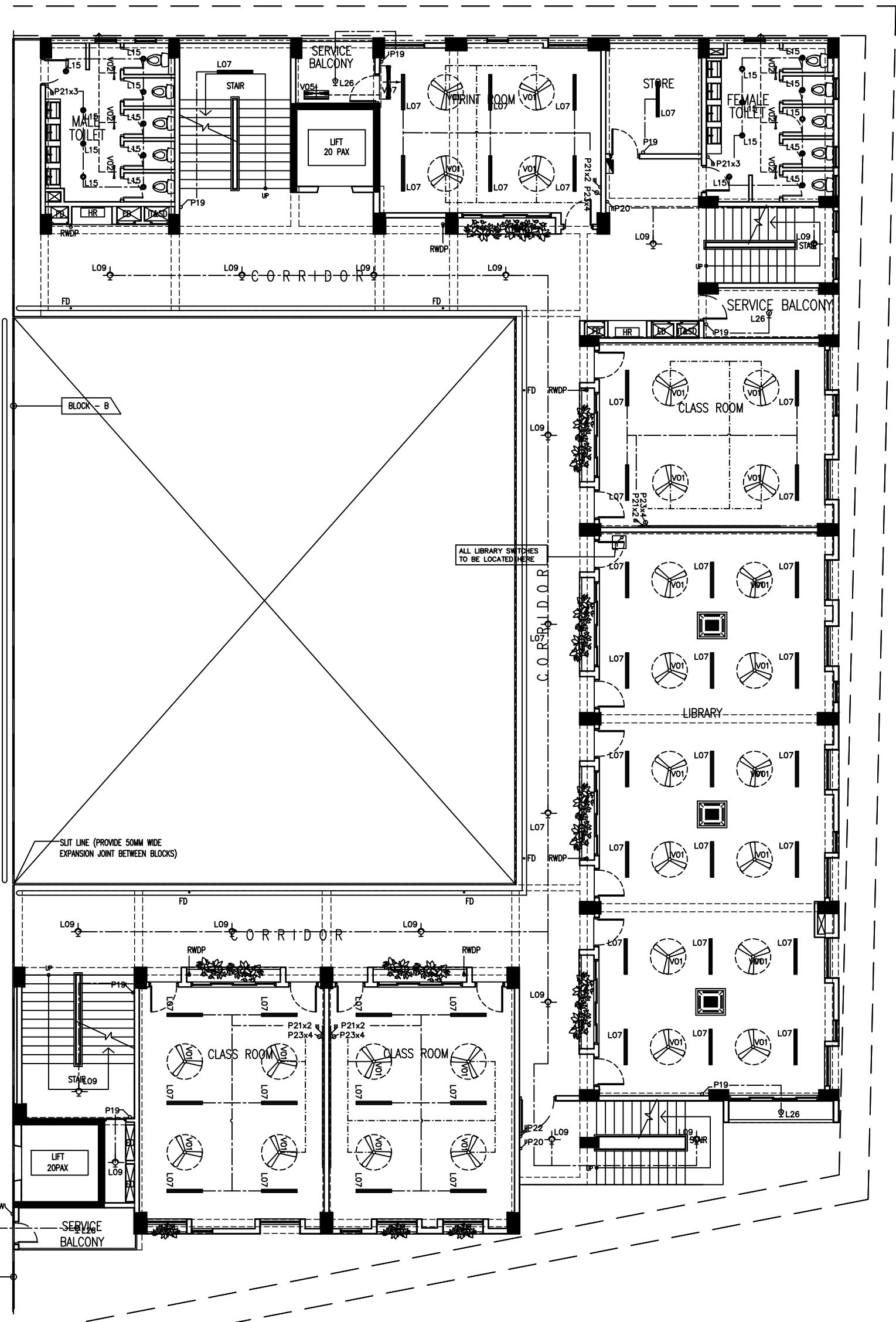
SECOND FLOOR LIGHTING & FAN/AC PLAN
SCALE 1:150



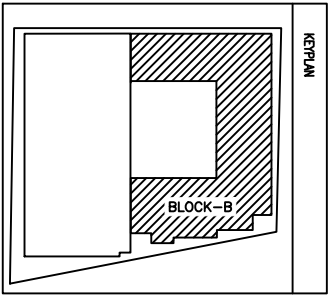


KEY PLAN

THIRD FLOOR LIGHTING & FAN/AC PLAN
SCALE 1:150



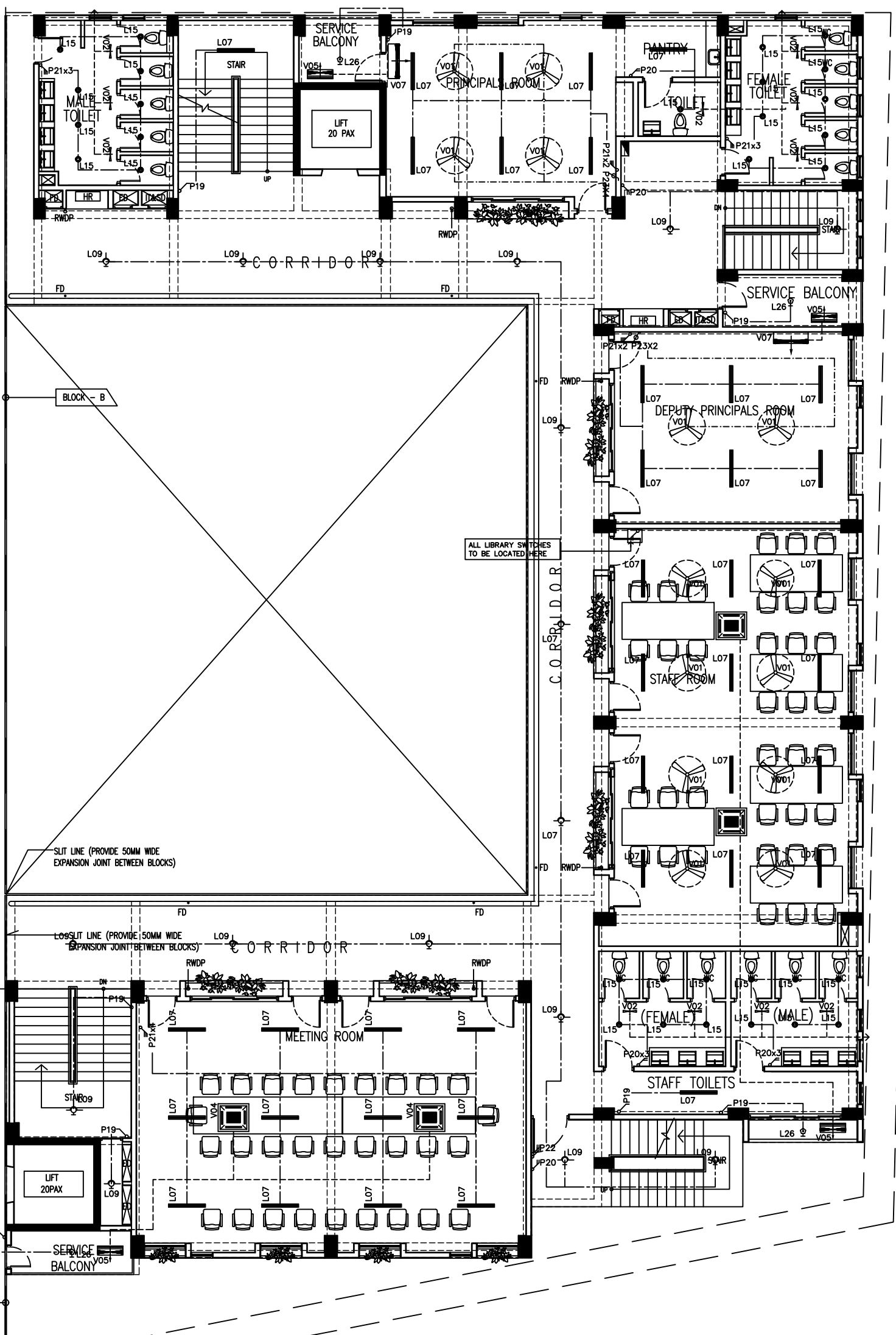


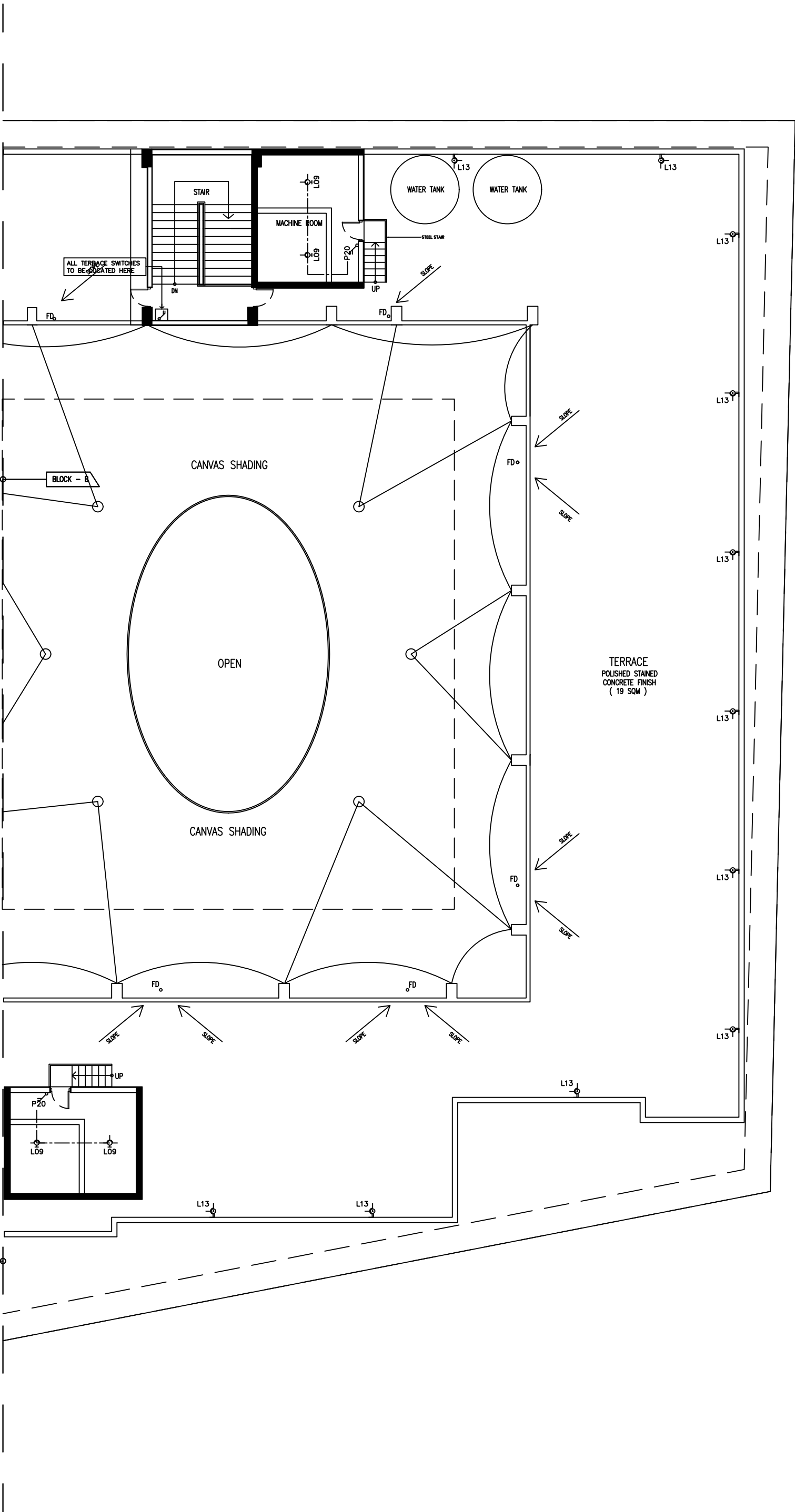


KEY PLAN

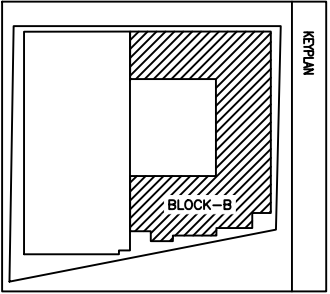
FIFTH FLOOR LIGHTING & FAN/AC PLAN
SCALE 1:150

BLOCK - A



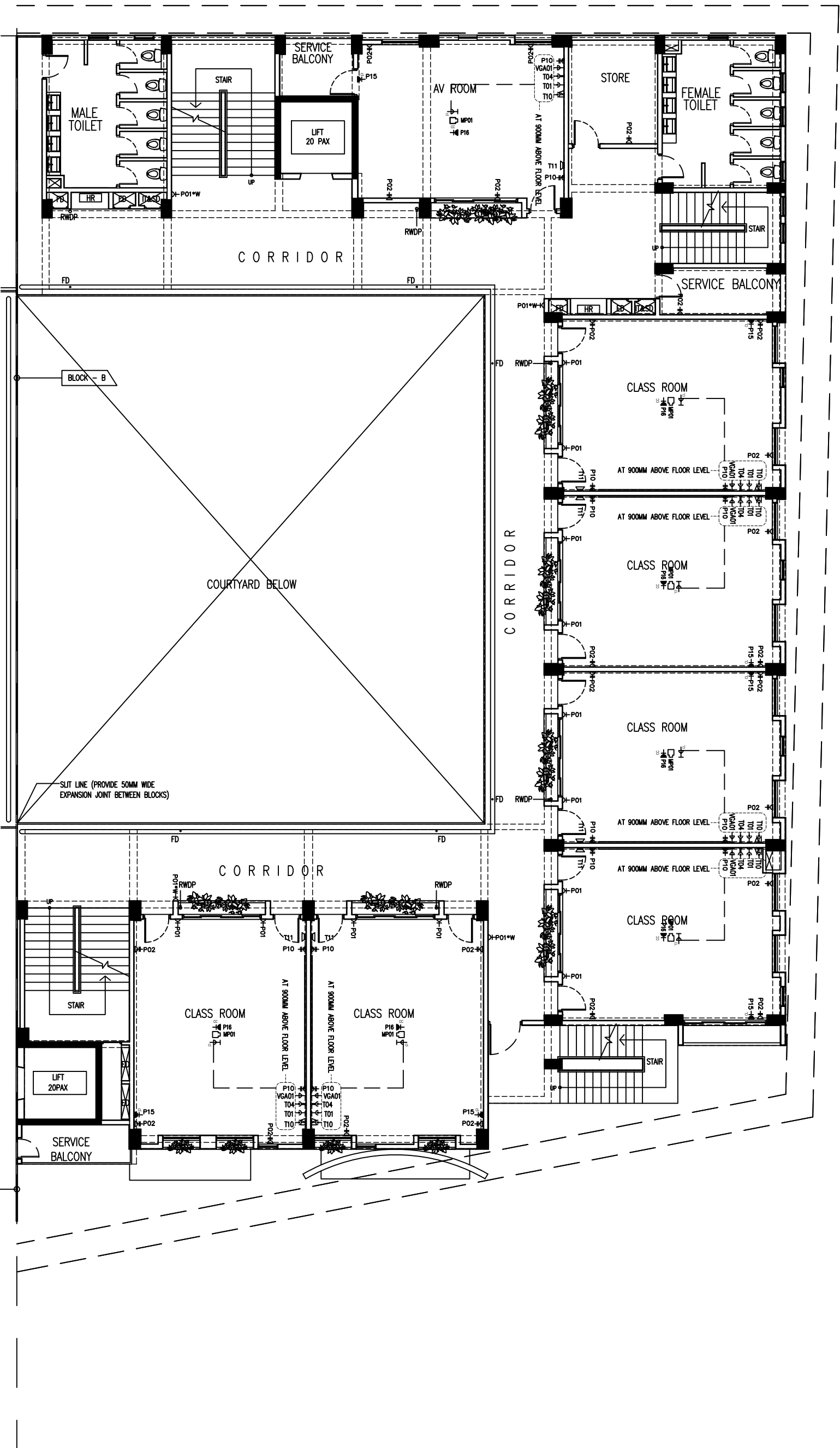






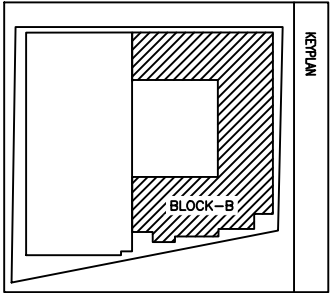
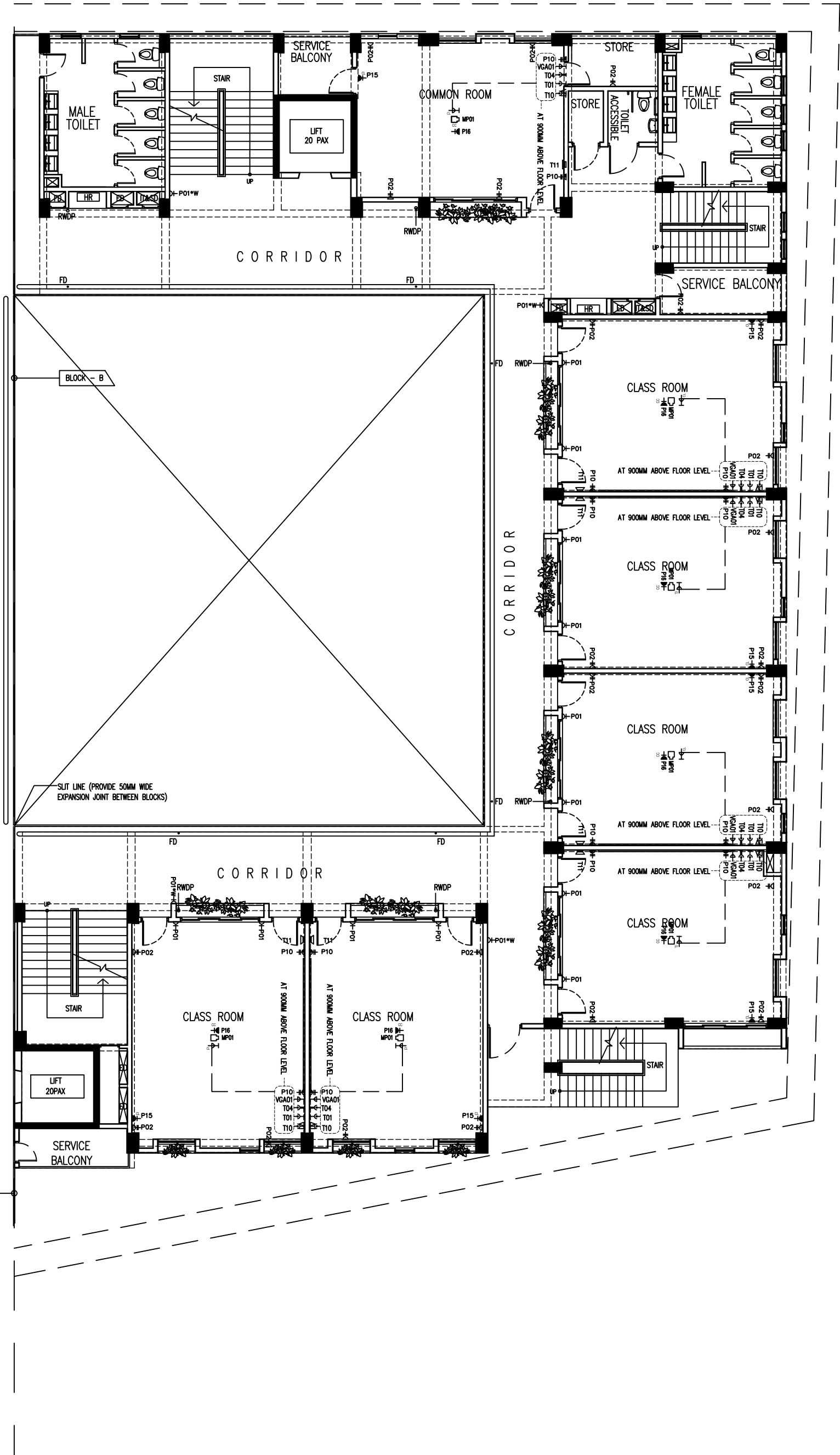
FIRST FLOOR SOCKET PLAN
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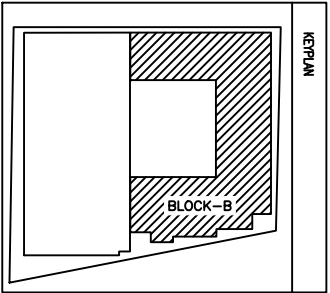
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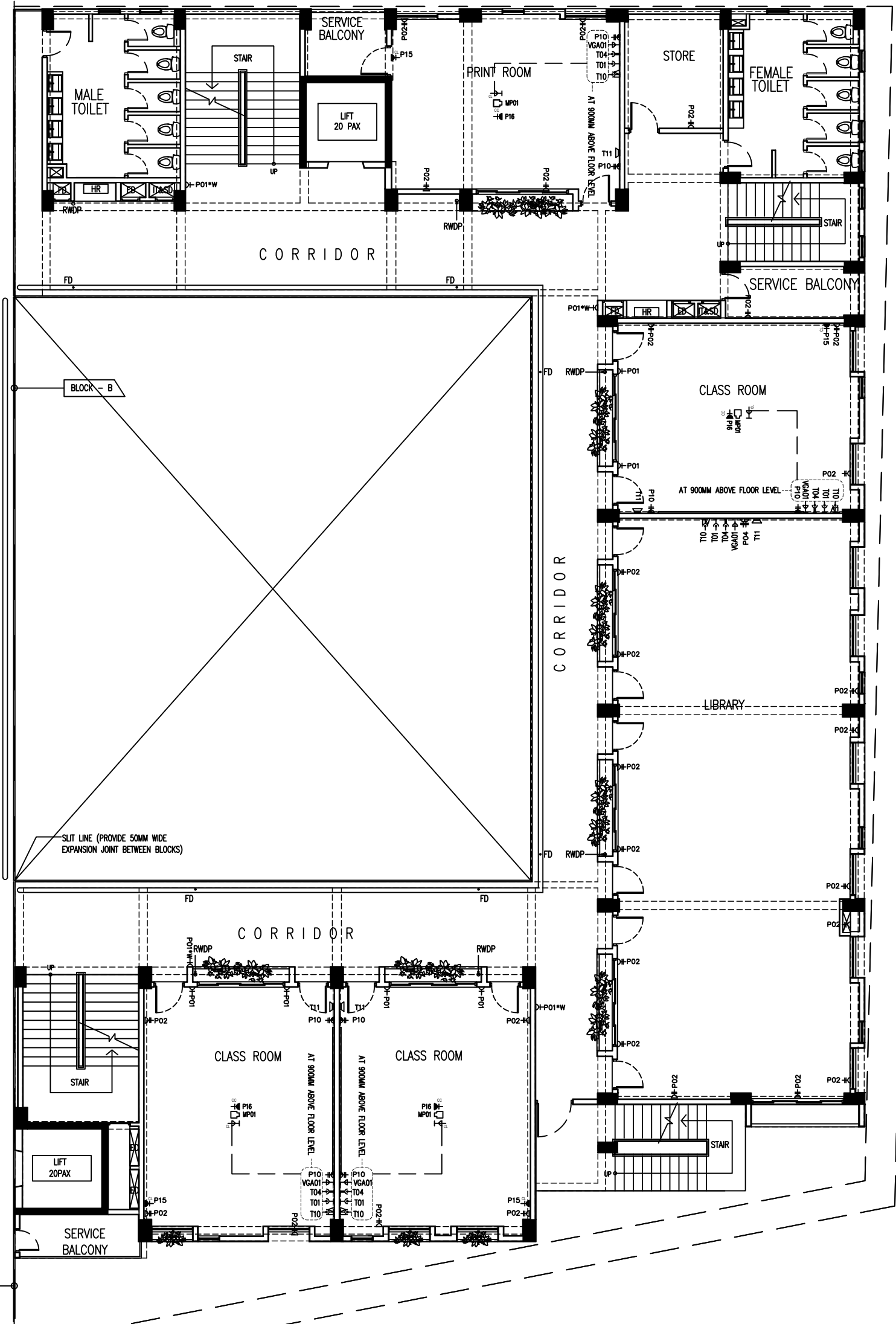
SECOND FLOOR SOCKET PLAN
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BE-10

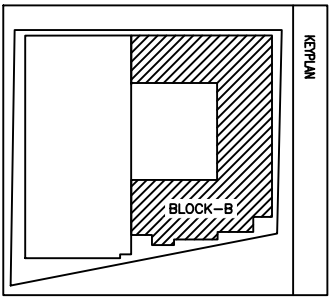




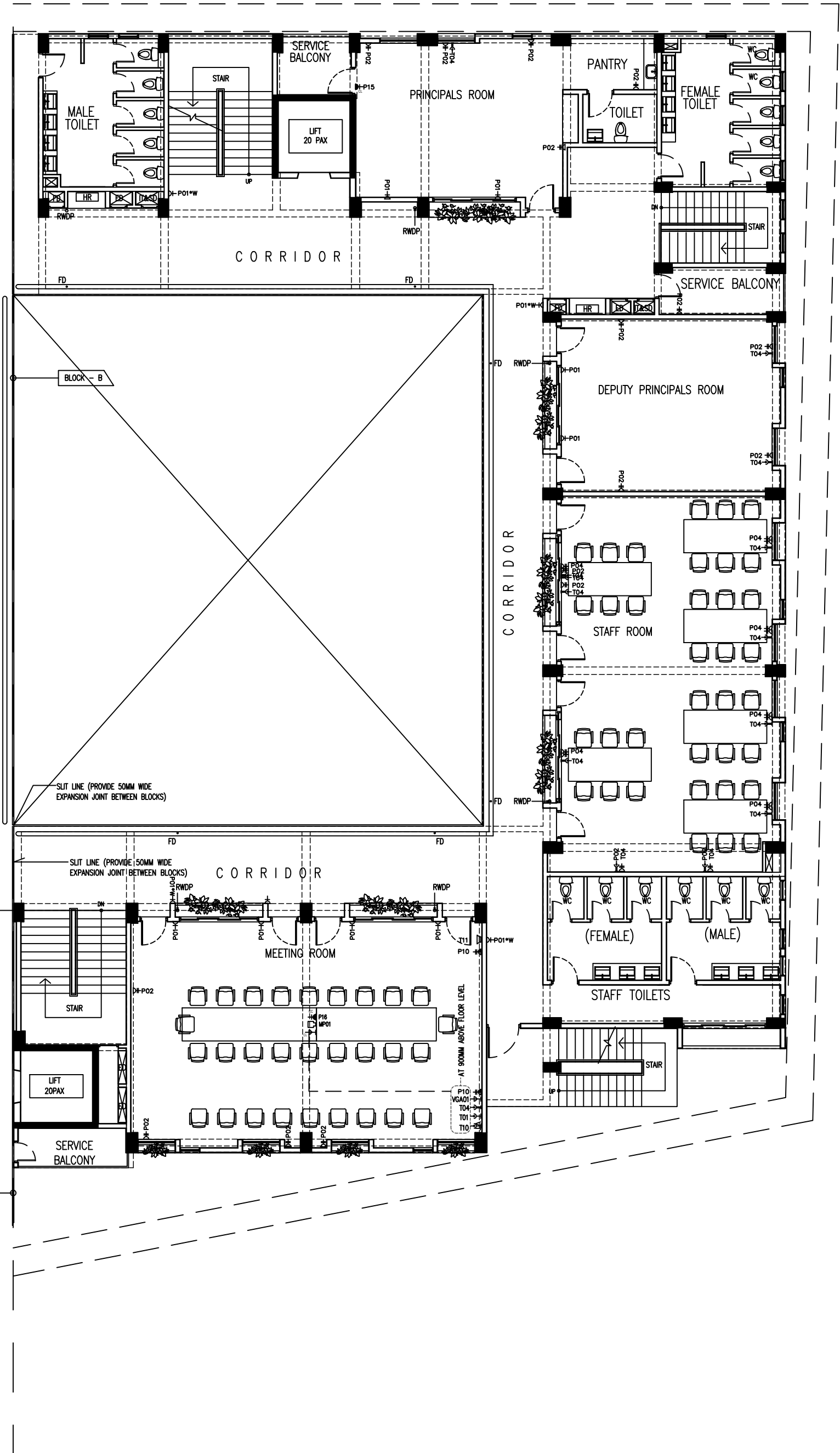
THIRD FLOOR SOCKET PLAN
SCALE 1:150

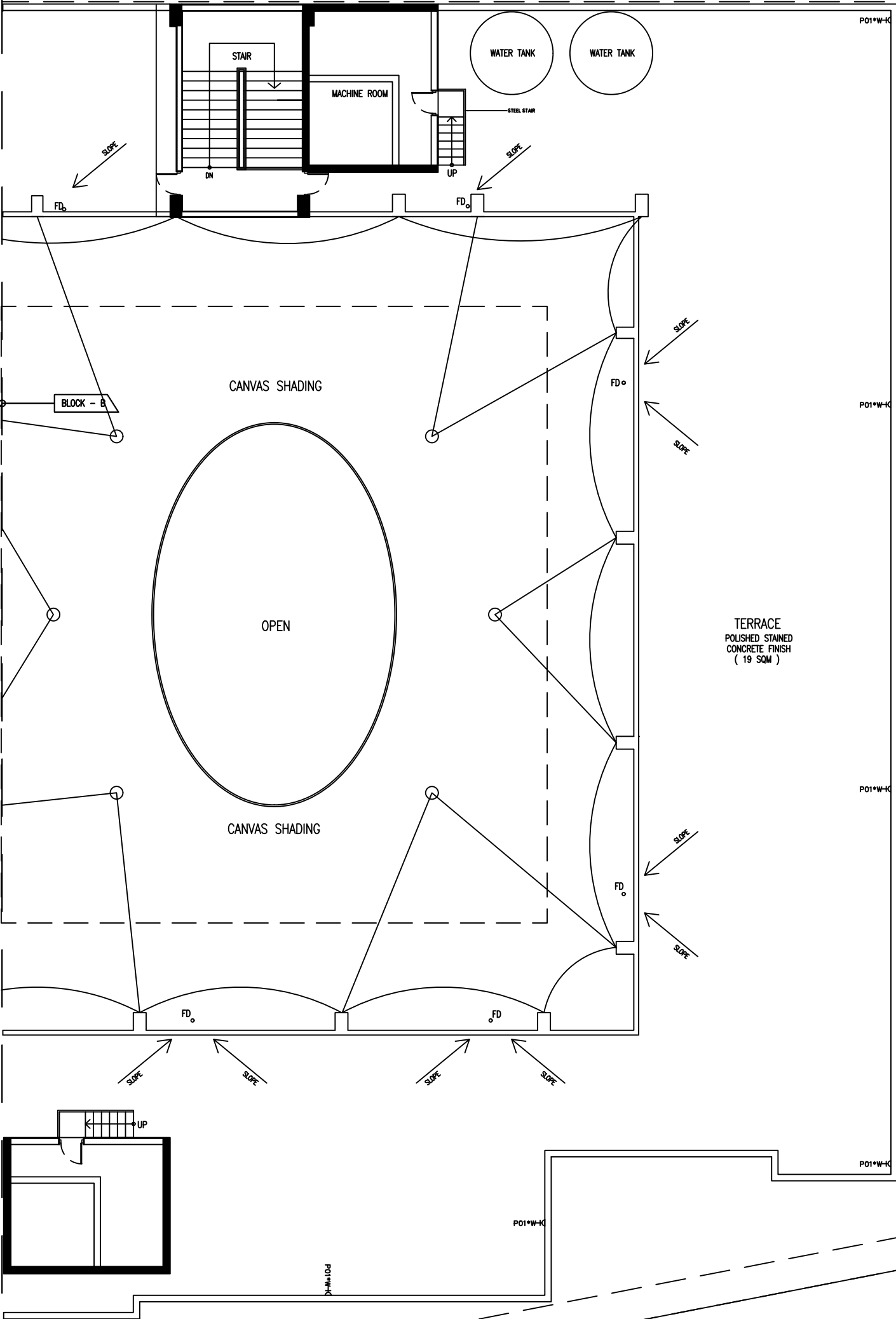
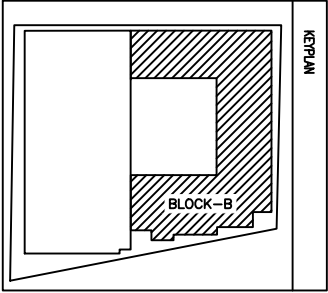






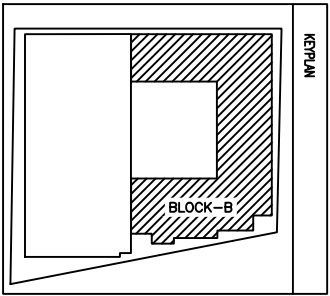
FIFTH FLOOR SOCKET PLAN
SCALE 1:150





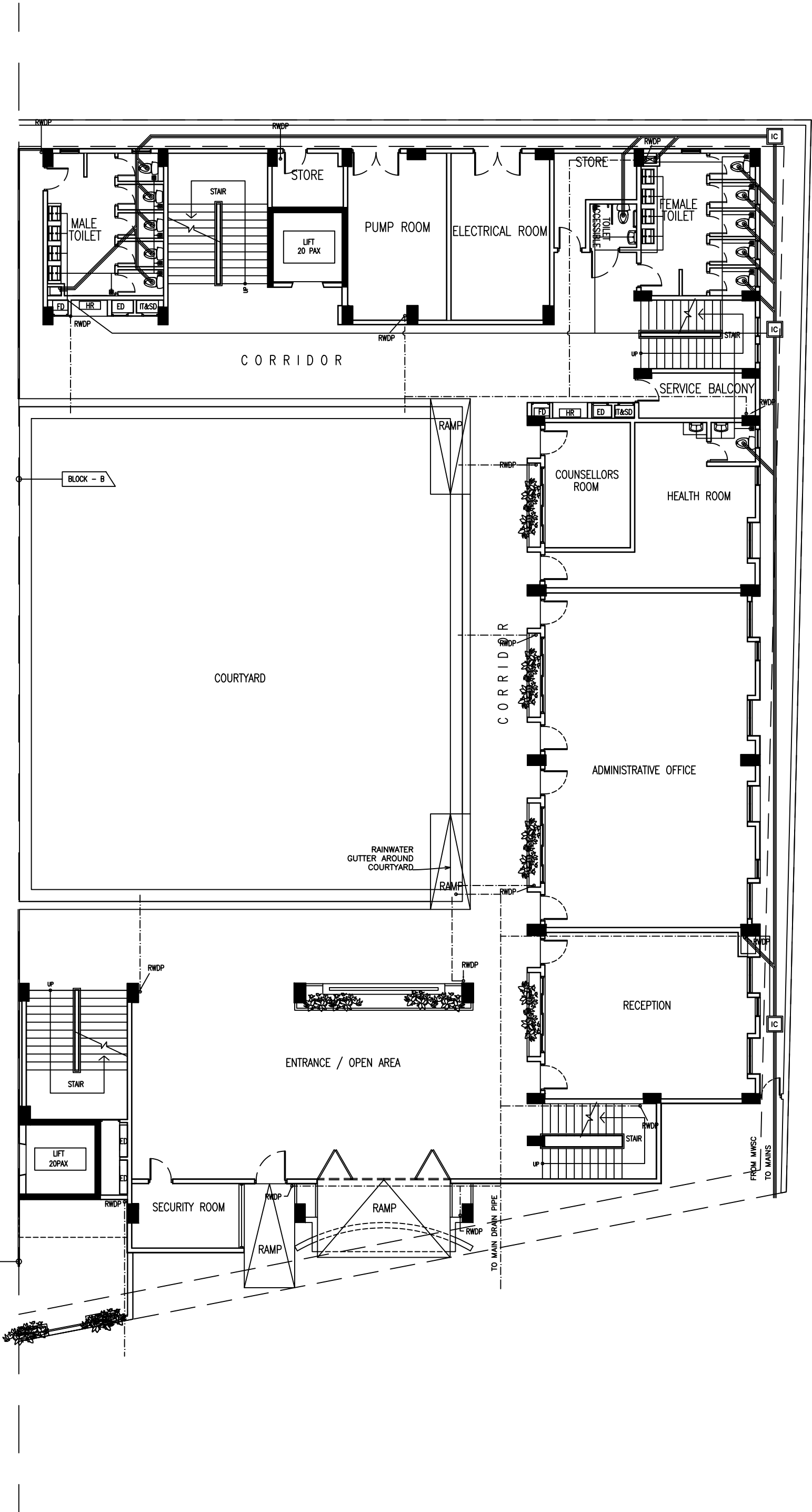
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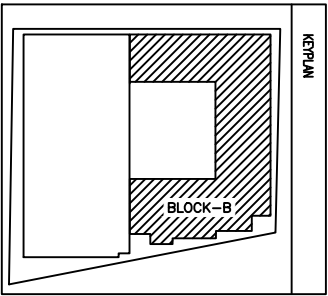
ROOF PLAN
SCALE 1:150



- LEGEND
- DIA 100 WASTE PIPE
 - DIA 75/50 WASTE PIPE
 - DIA 100 RAIN WATER PIPE
 - DIA 12 MWSC WATER SUPPLY

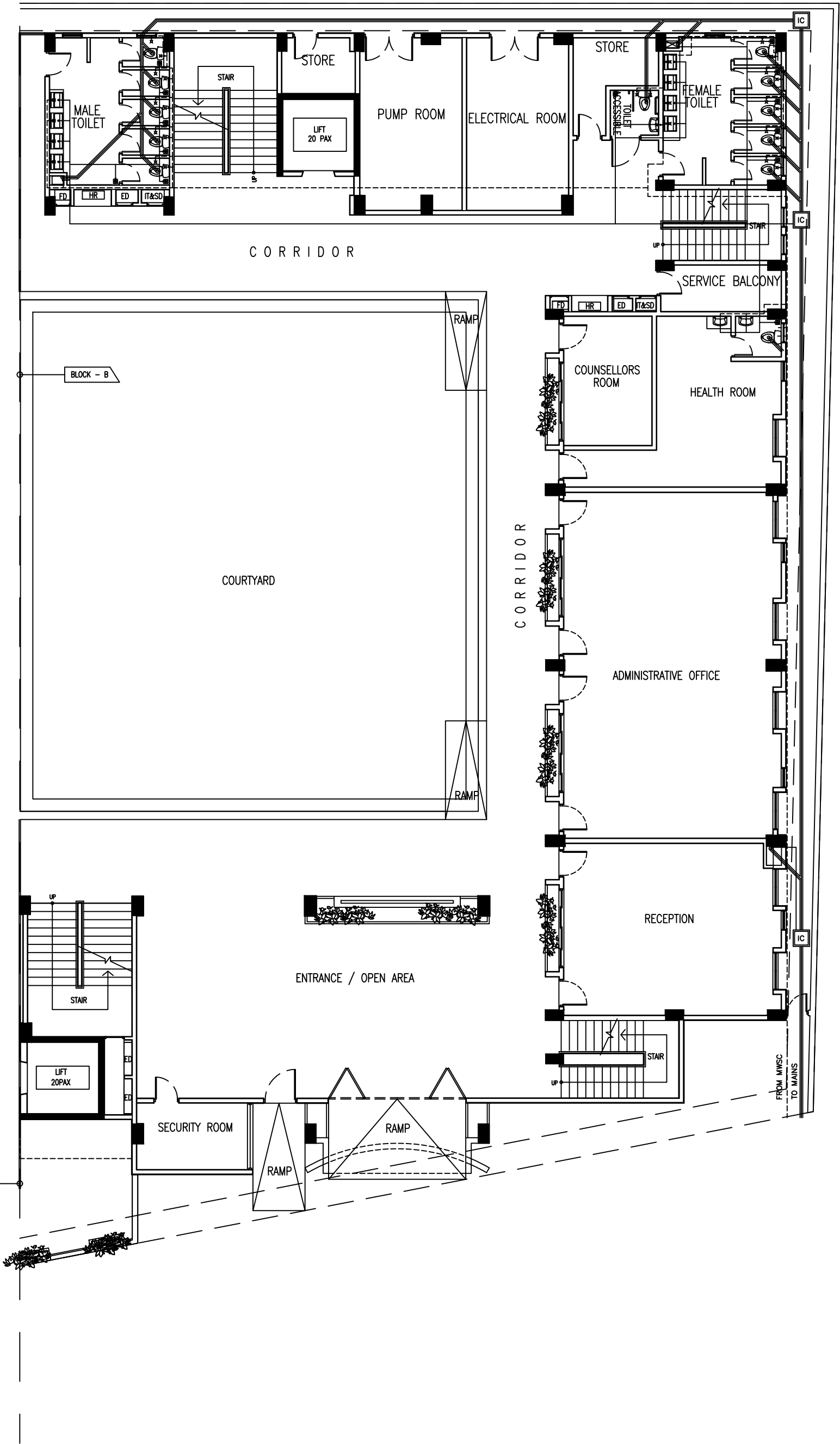
GROUND FLOOR WASTER WATER LAYOUT
SCALE 1:150

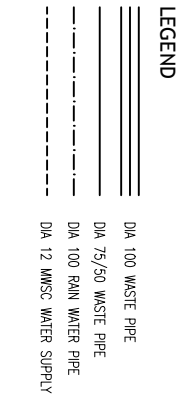


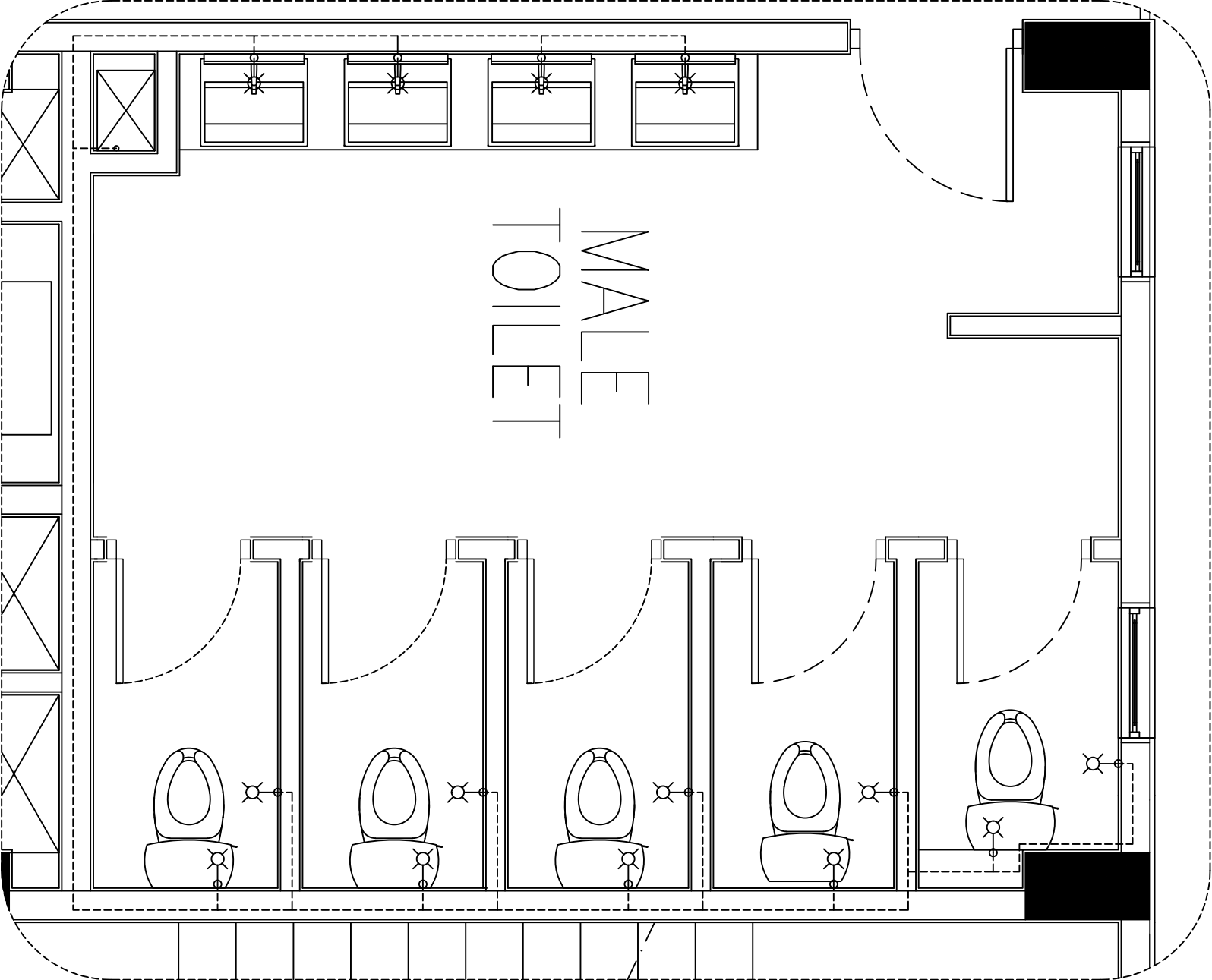


- LEGEND
- DIA 100 WASTE PIPE
 - DIA 75/50 WASTE PIPE
 - DIA 100 RAIN WATER PIPE
 - DIA 12 MMSO WATER SUPPLY

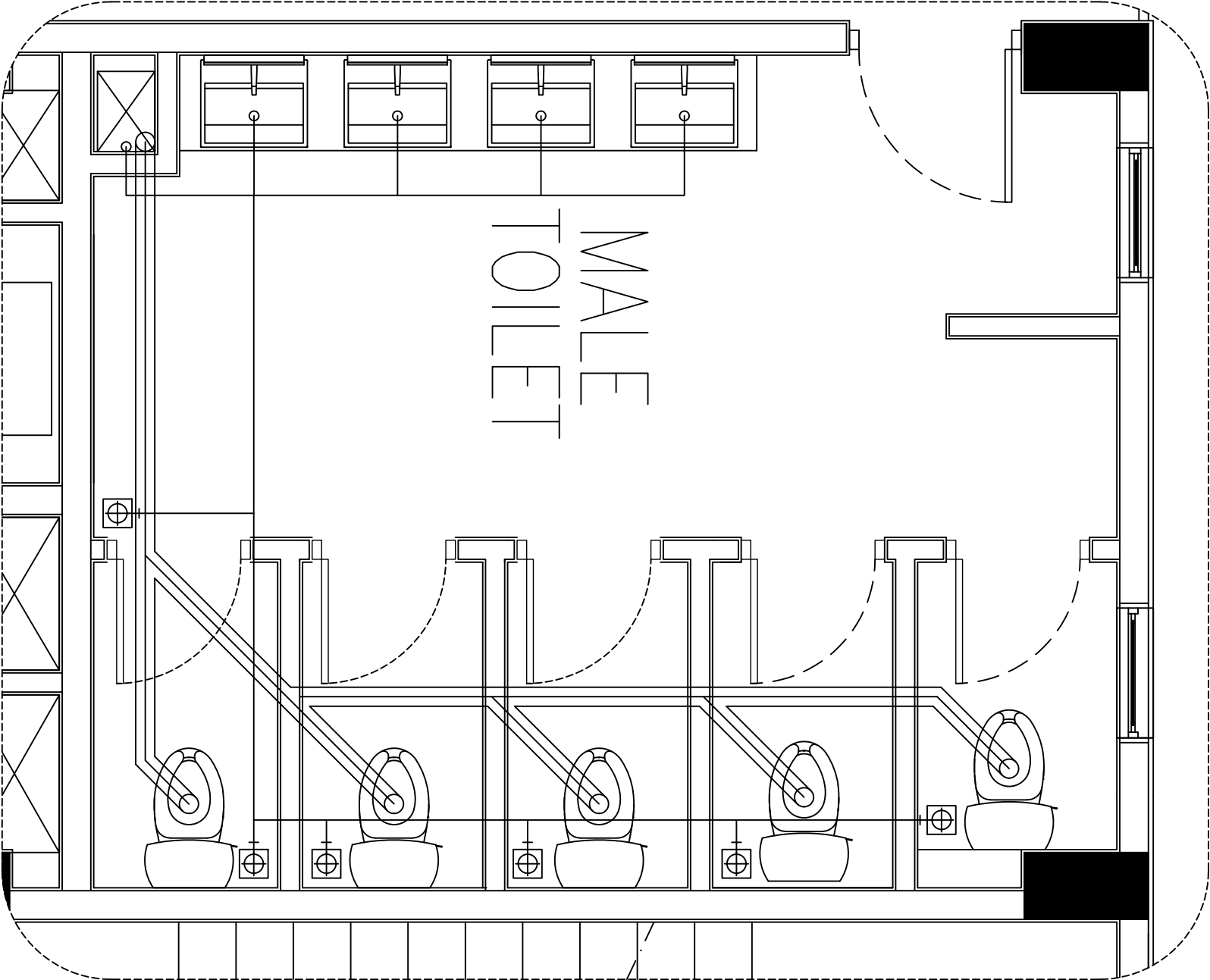
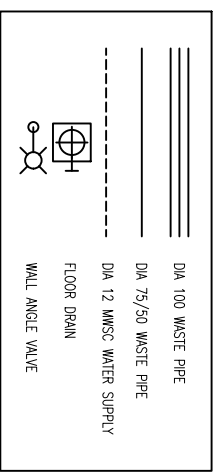
GROUND FLOOR FRESH WATER SUPPLY LAYOUT
SCALE 1:150



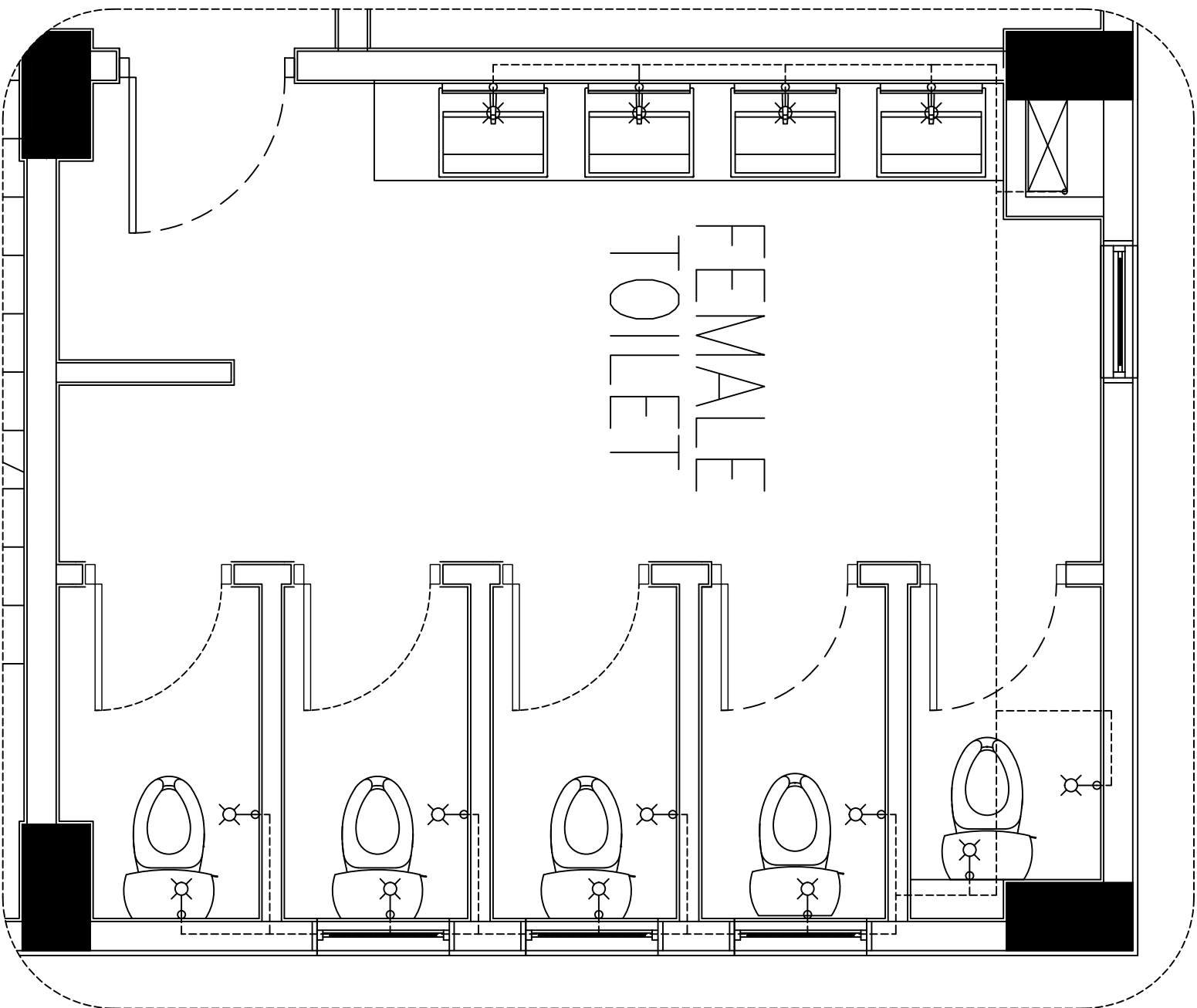




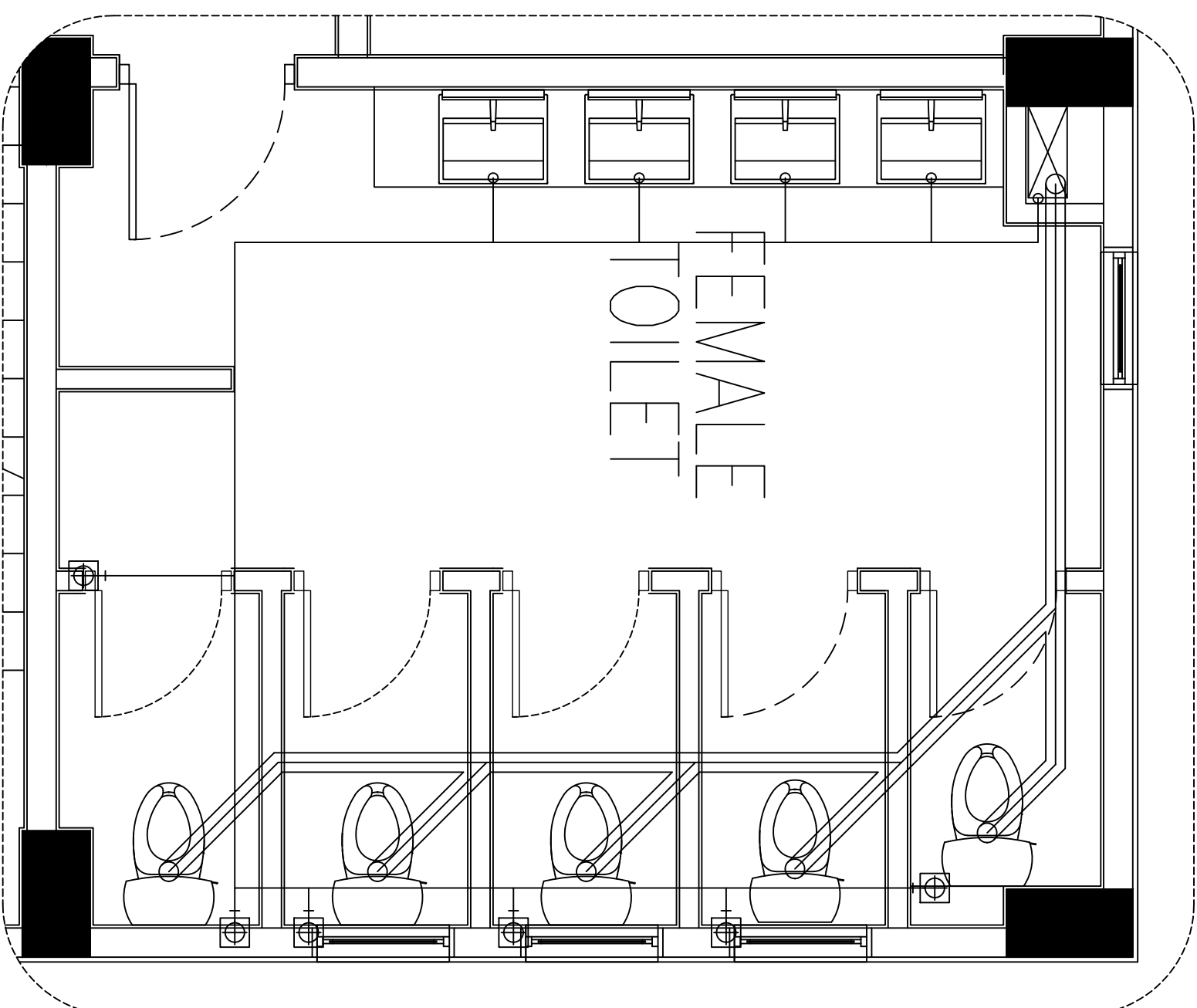
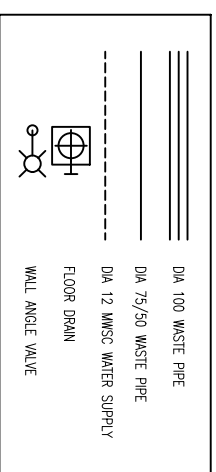
TYPE B1
FRESH WATER LAYOUT
SCALE 1:30



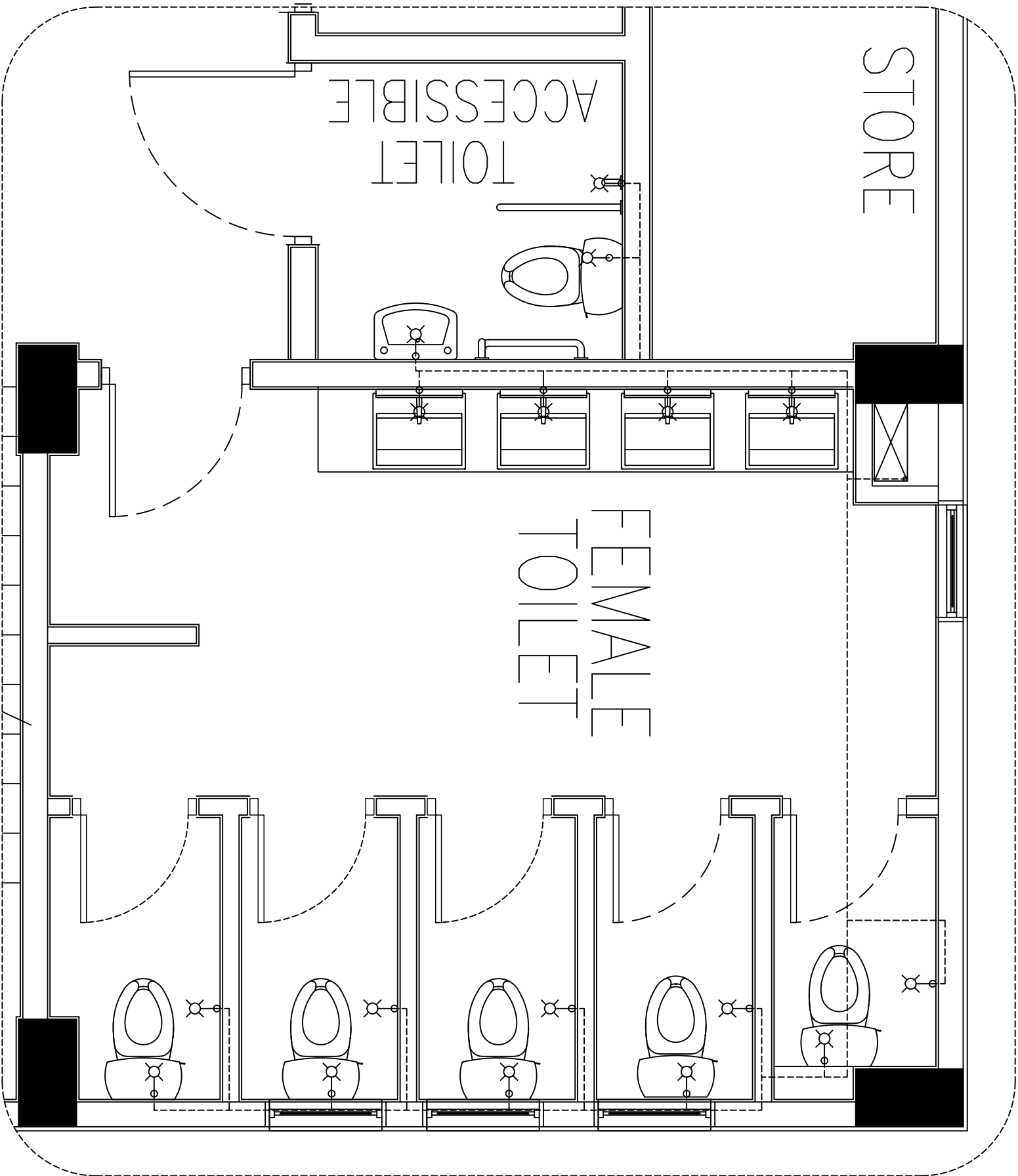
TYPE B1
WASTE WATER LAYOUT
SCALE 1:30



TYPE B2
FRESH WATER LAYOUT
SCALE 1:30



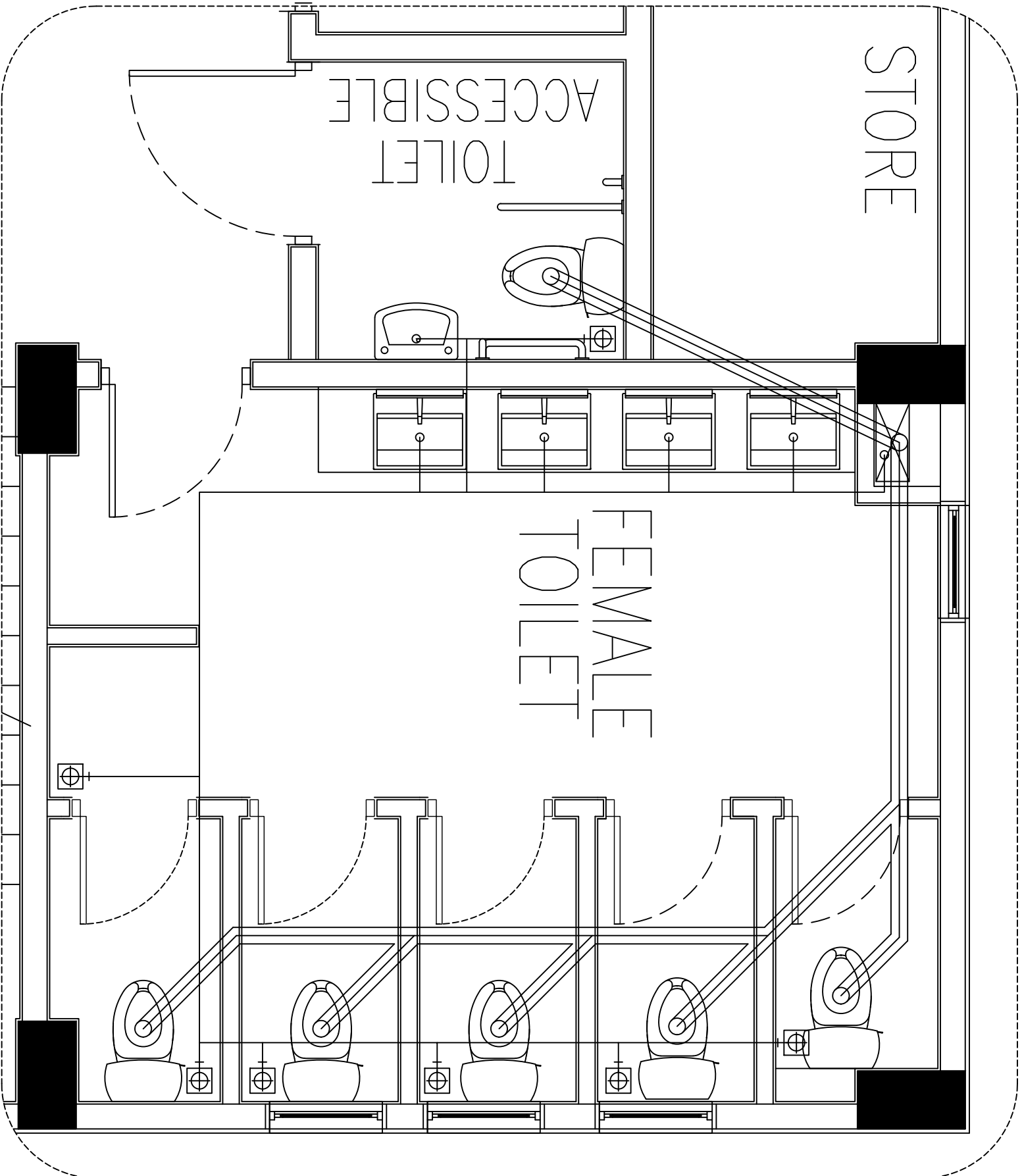
TYPE B2
WASTE WATER LAYOUT
SCALE 1:30



LEGEND

	DA 100 WASTE PIPE
	DA 75/50 WASTE PIPE
	DA 12 MISC WATER SUPPLY
	FLOOR DRAIN
	WALL ANGLE VALVE

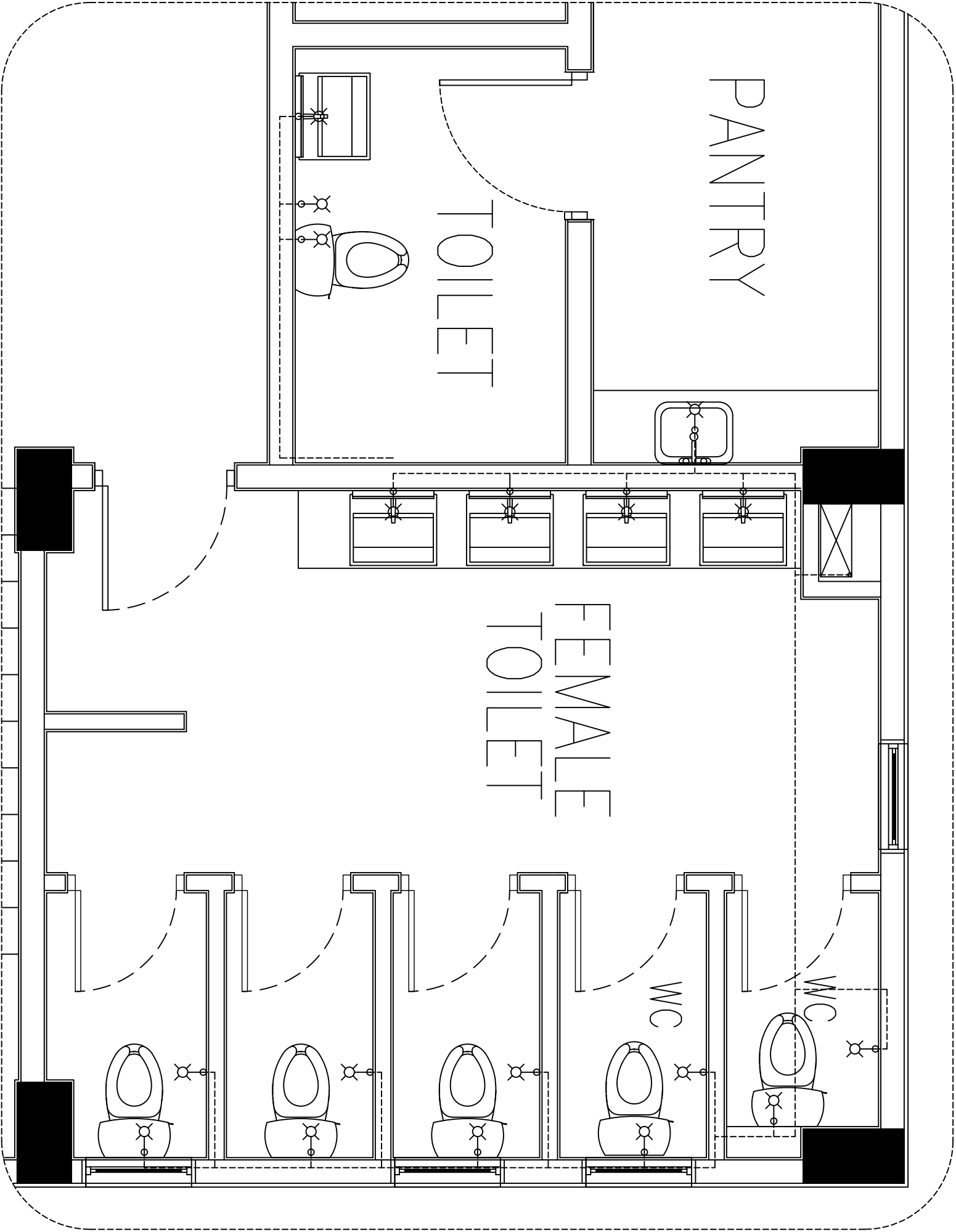
TYPE B3
FRESH WATER LAYOUT
SCALE 1:30



LEGEND

	DIA 100 WASTE PIPE
	DIA 75/50 WASTE PIPE
	DIA 12 IMSC WATER SUPPLY
	FLOOR DRAIN
	WALL ANGLE VALVE

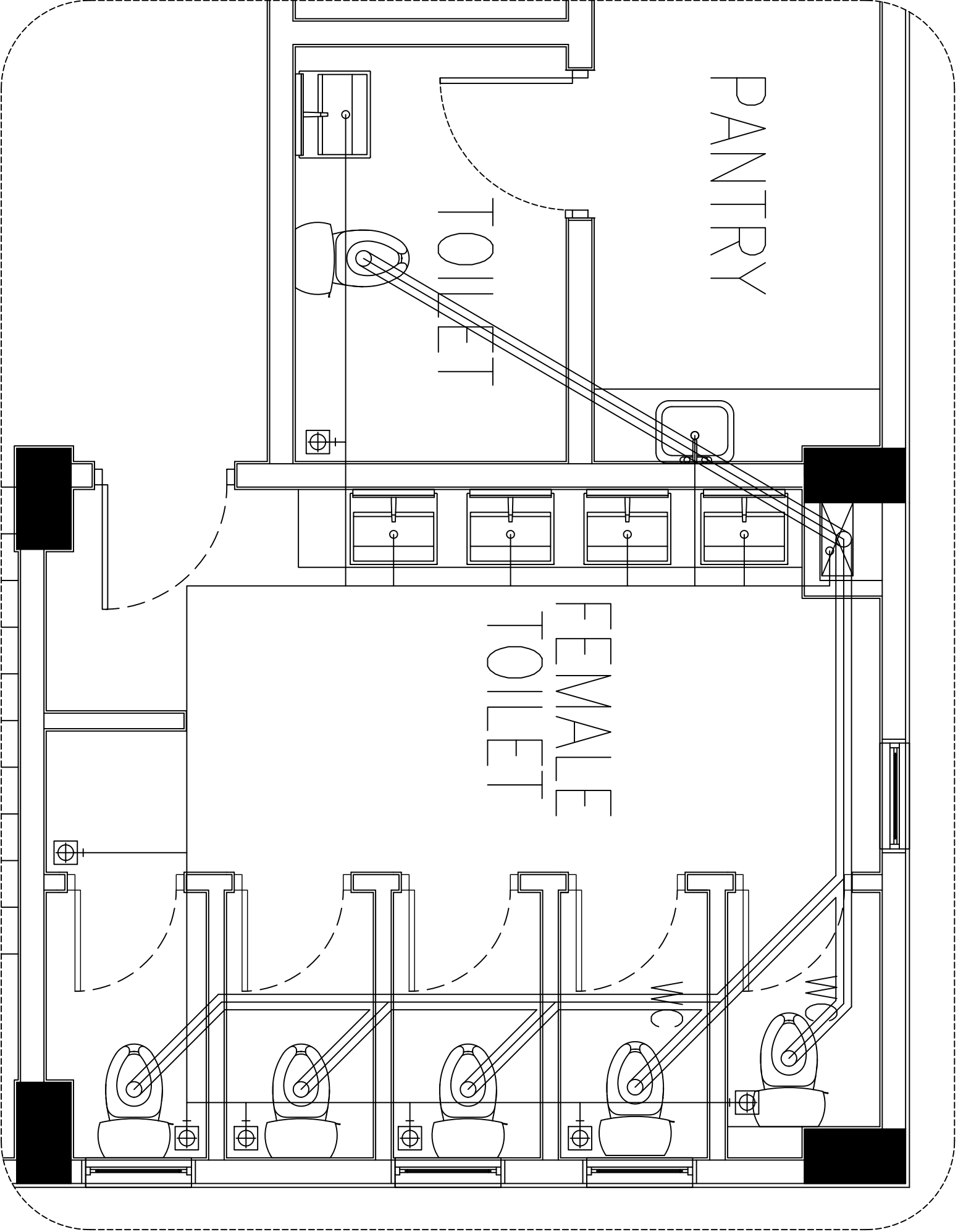
TYPE B3
WASTE WATER LAYOUT
SCALE 1:30



LEGEND

	DIA 100 WASTE PIPE
	DIA 75/50 WASTE PIPE
	DIA 12 MNSC WATER SUPPLY
	FLOOR DRAIN
	WALL ANGLE VALVE

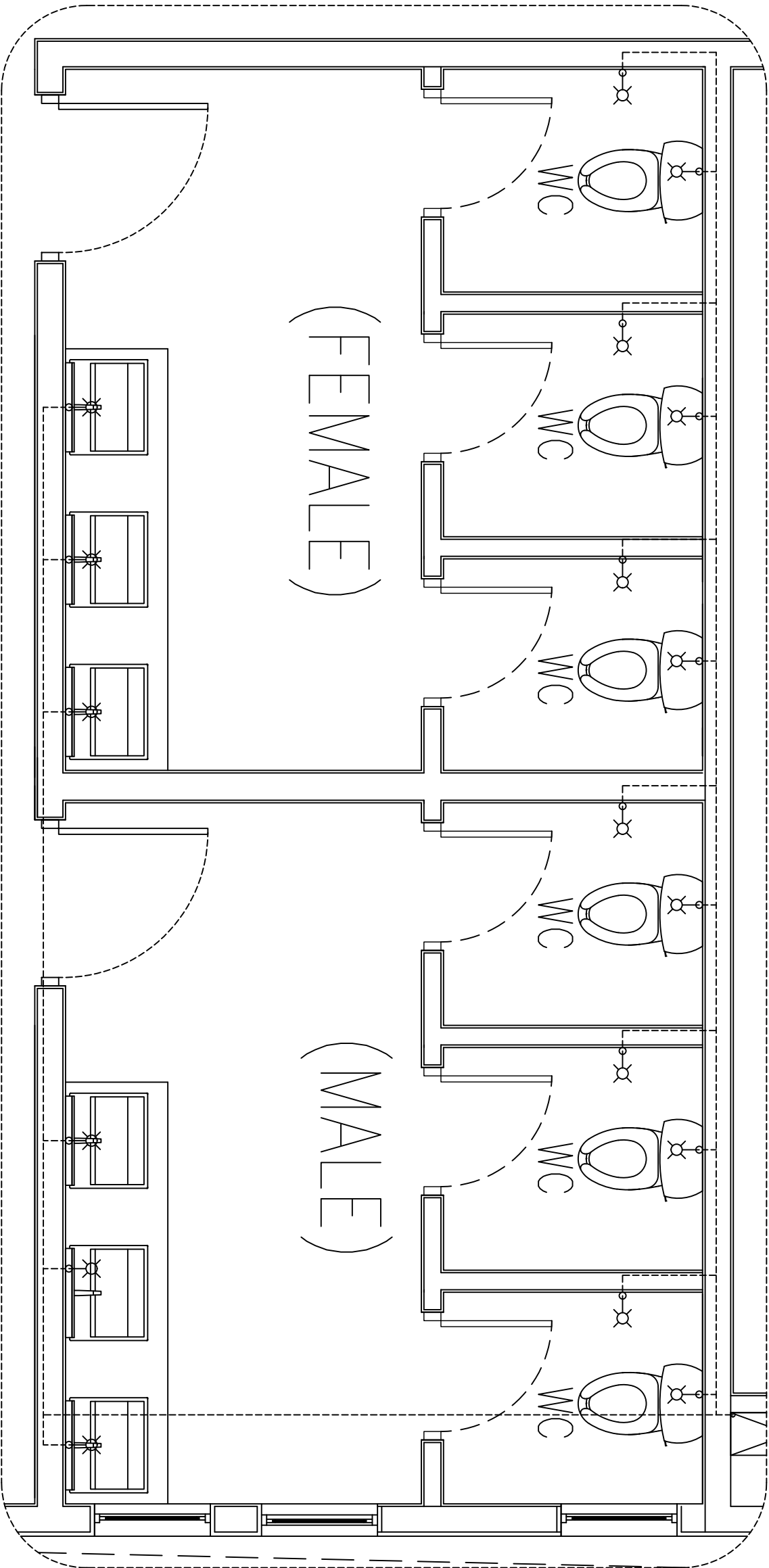
TYPE B4
FRESH WATER LAYOUT
SCALE 1:30



LEGEND

	DA 100 WASTE PIPE
	DA 75/50 WASTE PIPE
	DA 12 MMSG WATER SUPPLY
	FLOOR DRAIN
	WALL ANGLE VALVE

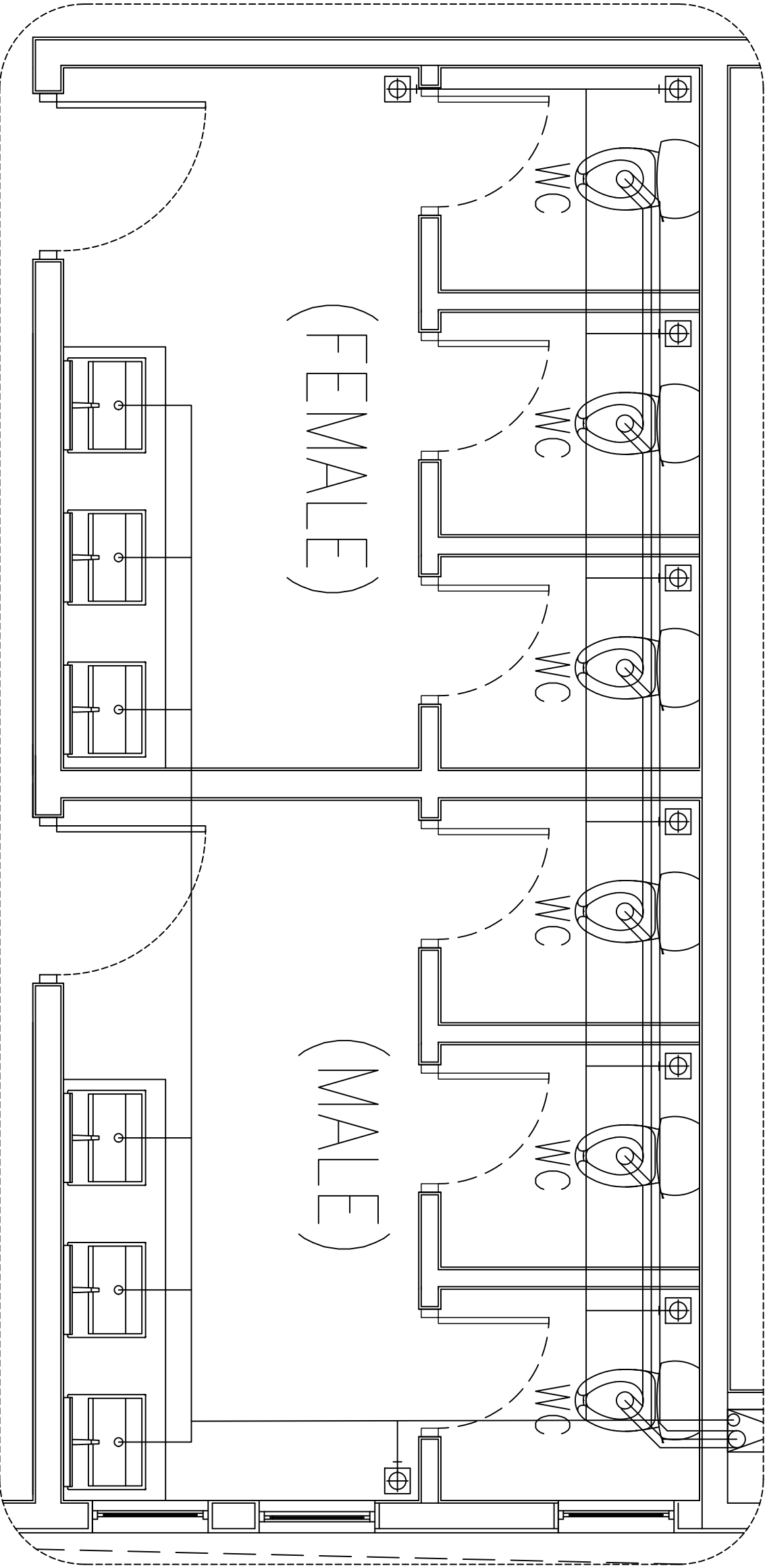
TYPE B4
FRESH WATER LAYOUT
SCALE 1:30



TYPE B5
FRESH WATER LAYOUT
SCALE 1:30

LEGEND

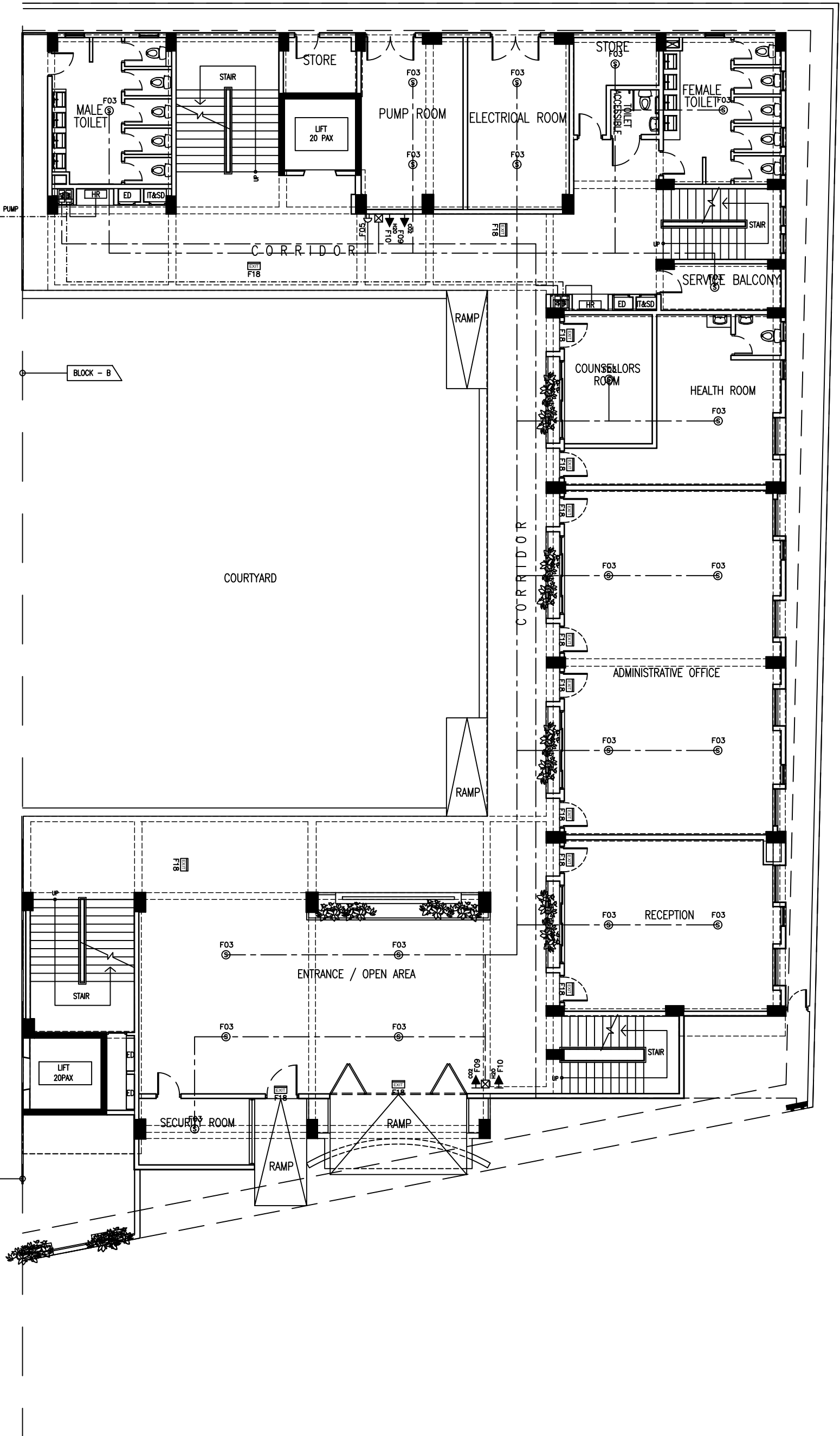
	DIA 100 WASTE PIPE
	DIA 75/50 WASTE PIPE
	DIA 12 MMSWC WATER SUPPLY
	FLOOR DRAIN
	WALL ANGLE VALVE



TYPE B5
FRESH WATER LAYOUT
SCALE 1:30

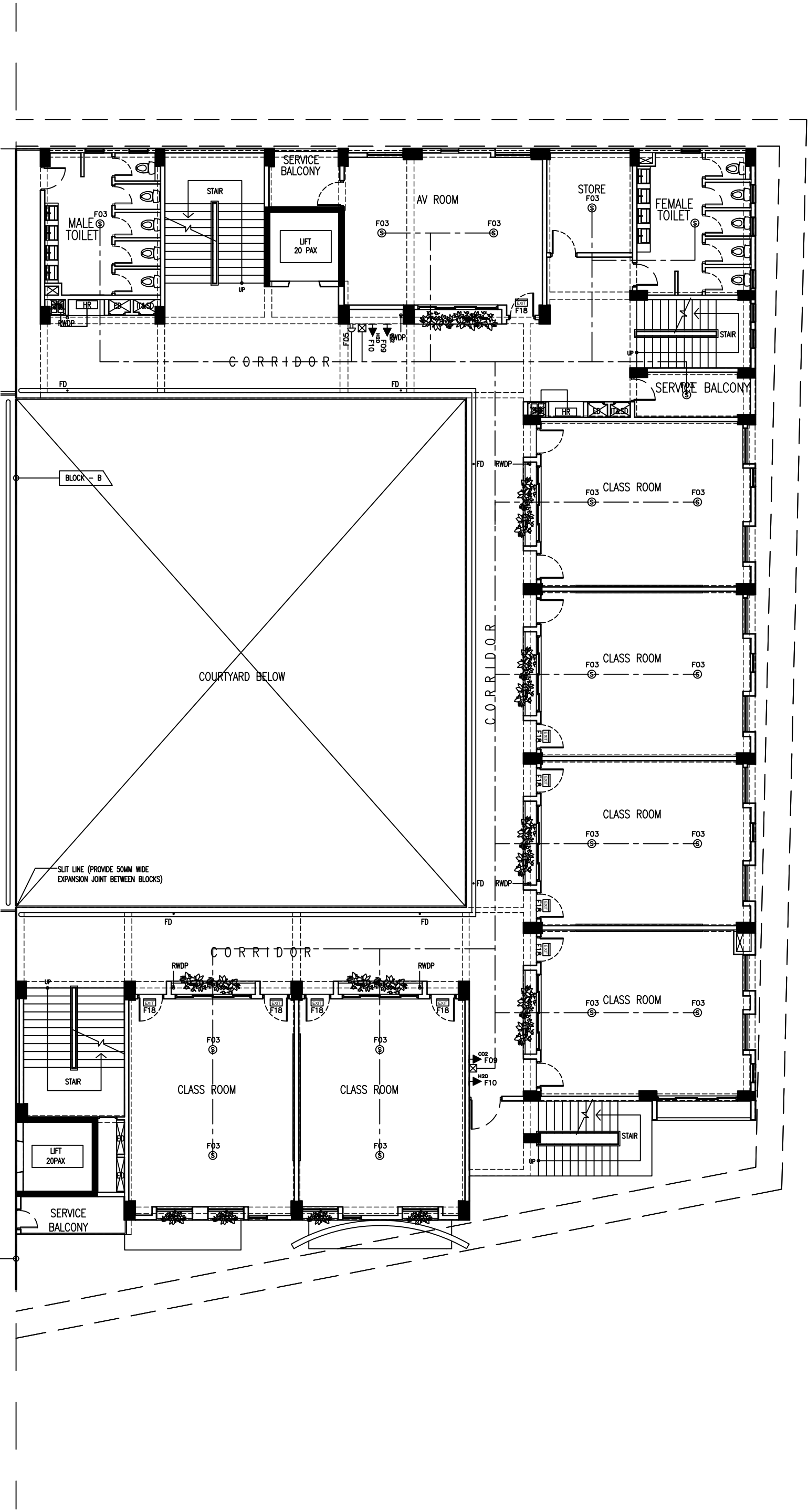
LEGEND

	DIA 100 WASTE PIPE
	DIA 75/50 WASTE PIPE
	DIA 12 MWSG WATER SUPPLY
	FLOOR DRAIN
	WALL ANGLE VALVE



LEGEND		
SYMBOL	CODE	DESCRIPTION
	F01	MAN FIRE ALARM PANEL
	F02	EXTINGUISHER
	F03	SMOKE DETECTOR
	F04	HEAT DETECTOR
	F05	SOUNDER BEACON
	F06	BREAK GLASS MANUAL CALL POINT
	F07	DOOR (DOOR) FIRE EXTINGUISHER
	F08	DOOR (DOOR) FIRE EXTINGUISHER
	F09	DOOR (DOOR) FIRE EXTINGUISHER
	F10	DOOR (DOOR) FIRE EXTINGUISHER
	F11	DOOR (DOOR) FIRE EXTINGUISHER
	F12	DOOR (DOOR) FIRE EXTINGUISHER
	F13	DOOR (DOOR) FIRE EXTINGUISHER
	F14	DOOR (DOOR) FIRE EXTINGUISHER
	F15	DOOR (DOOR) FIRE EXTINGUISHER
	F16	DOOR (DOOR) FIRE EXTINGUISHER
	F17	DOOR (DOOR) FIRE EXTINGUISHER
	F18	DOOR (DOOR) FIRE EXTINGUISHER
	F19	DOOR (DOOR) FIRE EXTINGUISHER
	F20	DOOR (DOOR) FIRE EXTINGUISHER
	F21	DOOR (DOOR) FIRE EXTINGUISHER
	F22	DOOR (DOOR) FIRE EXTINGUISHER
	F23	DOOR (DOOR) FIRE EXTINGUISHER
	F24	DOOR (DOOR) FIRE EXTINGUISHER
	F25	DOOR (DOOR) FIRE EXTINGUISHER
	F26	DOOR (DOOR) FIRE EXTINGUISHER
	F27	DOOR (DOOR) FIRE EXTINGUISHER
	F28	DOOR (DOOR) FIRE EXTINGUISHER
	F29	DOOR (DOOR) FIRE EXTINGUISHER
	F30	DOOR (DOOR) FIRE EXTINGUISHER
	F31	DOOR (DOOR) FIRE EXTINGUISHER
	F32	DOOR (DOOR) FIRE EXTINGUISHER
	F33	DOOR (DOOR) FIRE EXTINGUISHER
	F34	DOOR (DOOR) FIRE EXTINGUISHER
	F35	DOOR (DOOR) FIRE EXTINGUISHER
	F36	DOOR (DOOR) FIRE EXTINGUISHER
	F37	DOOR (DOOR) FIRE EXTINGUISHER
	F38	DOOR (DOOR) FIRE EXTINGUISHER
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	F40	DOOR (DOOR) FIRE EXTINGUISHER
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	F43	DOOR (DOOR) FIRE EXTINGUISHER
	F44	DOOR (DOOR) FIRE EXTINGUISHER
	F45	DOOR (DOOR) FIRE EXTINGUISHER
	F46	DOOR (DOOR) FIRE EXTINGUISHER
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	F92	DOOR (DOOR) FIRE EXTINGUISHER
	F93	DOOR (DOOR) FIRE EXTINGUISHER
	F94	DOOR (DOOR) FIRE EXTINGUISHER
	F95	DOOR (DOOR) FIRE EXTINGUISHER
	F96	DOOR (DOOR) FIRE EXTINGUISHER
	F97	DOOR (DOOR) FIRE EXTINGUISHER
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	F100	DOOR (DOOR) FIRE EXTINGUISHER

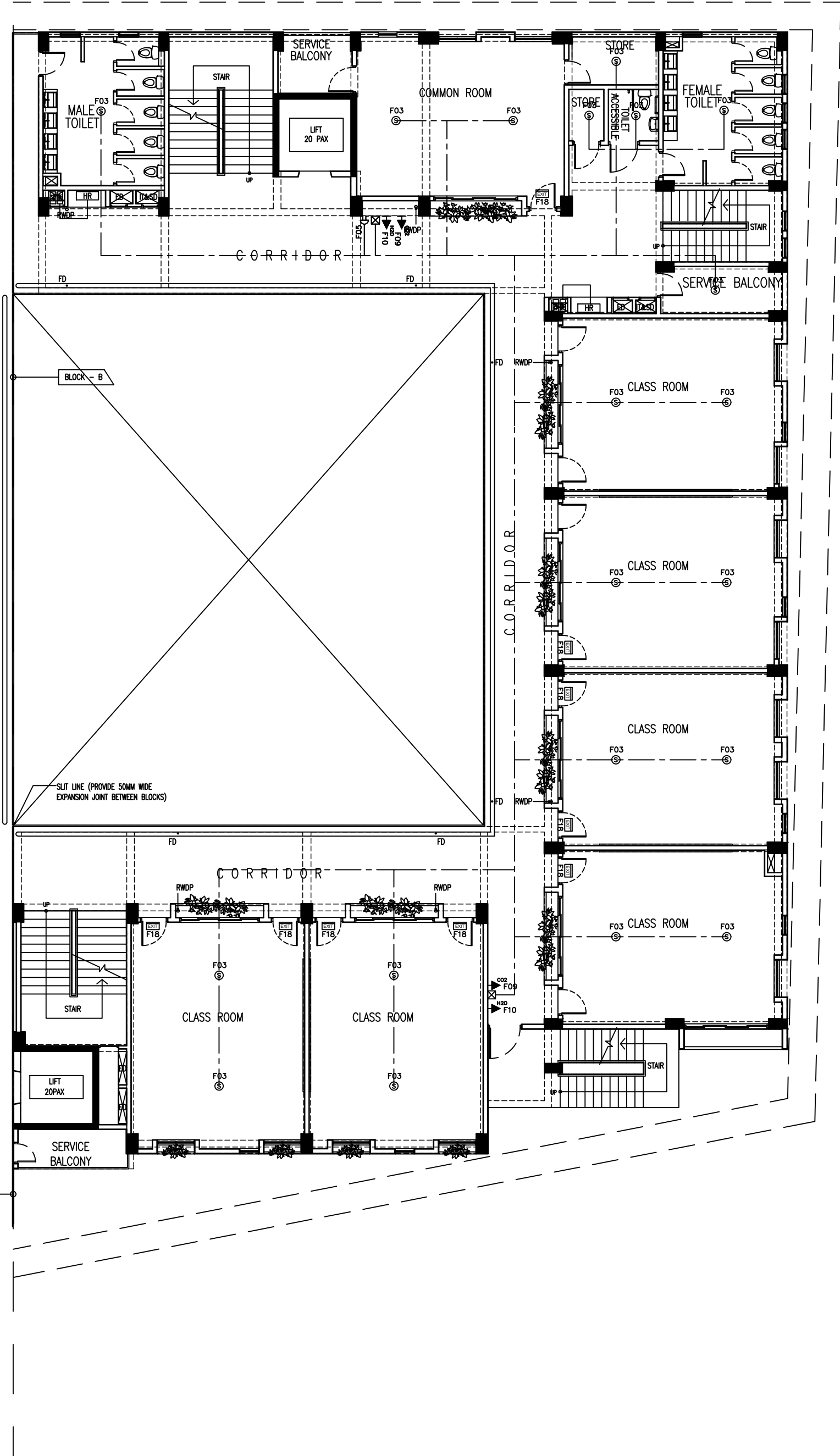
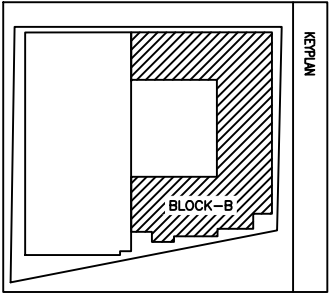
GROUND FLOOR FIRE SAFETY LAYOUT PLAN
SCALE 1:150



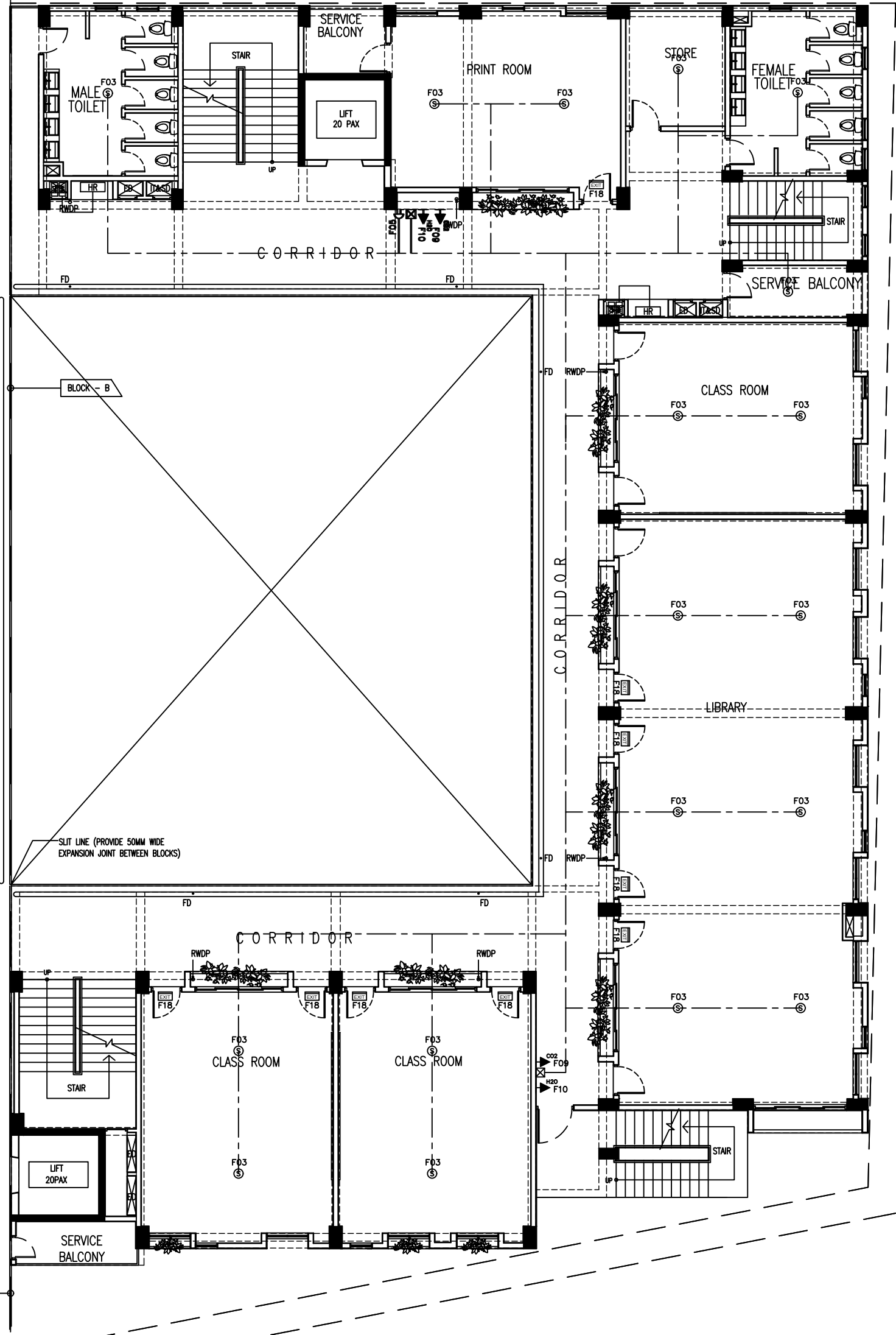
LEGEND

SYMBOL	CODE	DESCRIPTION	SYMBOL	CODE	DESCRIPTION	SYMBOL	CODE	DESCRIPTION
	F01	MAIN FIRE ALARM PANEL		F13	2 WAY BREACHING INLET		F14	2 WAY BREACHING INLET
	F02	JUNCTION BOX		F15	2 WAY BREACHING INLET		F16	2 WAY BREACHING INLET
	F03	SMOKE DETECTOR		F17	2 WAY BREACHING INLET		F18	2 WAY BREACHING INLET
	F04	HEAT DETECTOR		F19	2 WAY BREACHING INLET		F20	2 WAY BREACHING INLET
	F05	SOUNDER BEACON		F21	2 WAY BREACHING INLET		F22	2 WAY BREACHING INLET
	F06	BREAK GLASS MANUAL CALL POINT		F23	2 WAY BREACHING INLET		F24	2 WAY BREACHING INLET
	F07	DOZ (DMS) FIRE EXTINGUISHER		F25	2 WAY BREACHING INLET		F26	2 WAY BREACHING INLET
	F08	DOZ (DMS) FIRE EXTINGUISHER		F27	2 WAY BREACHING INLET		F28	2 WAY BREACHING INLET
	F09	DOZ (DMS) FIRE EXTINGUISHER		F29	2 WAY BREACHING INLET		F30	2 WAY BREACHING INLET
	F10	DOZ (DMS) FIRE EXTINGUISHER		F31	2 WAY BREACHING INLET		F32	2 WAY BREACHING INLET
	F11	DOZ (DMS) FIRE EXTINGUISHER		F33	2 WAY BREACHING INLET		F34	2 WAY BREACHING INLET
	F12	DOZ (DMS) FIRE EXTINGUISHER		F35	2 WAY BREACHING INLET		F36	2 WAY BREACHING INLET

FIRST FLOOR FIRE SAFETY LAYOUT PLAN
SCALE 1:150



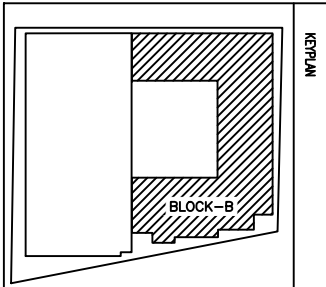
SECOND FLOOR FIRE SAFETY LAYOUT PLAN
SCALE 1:150

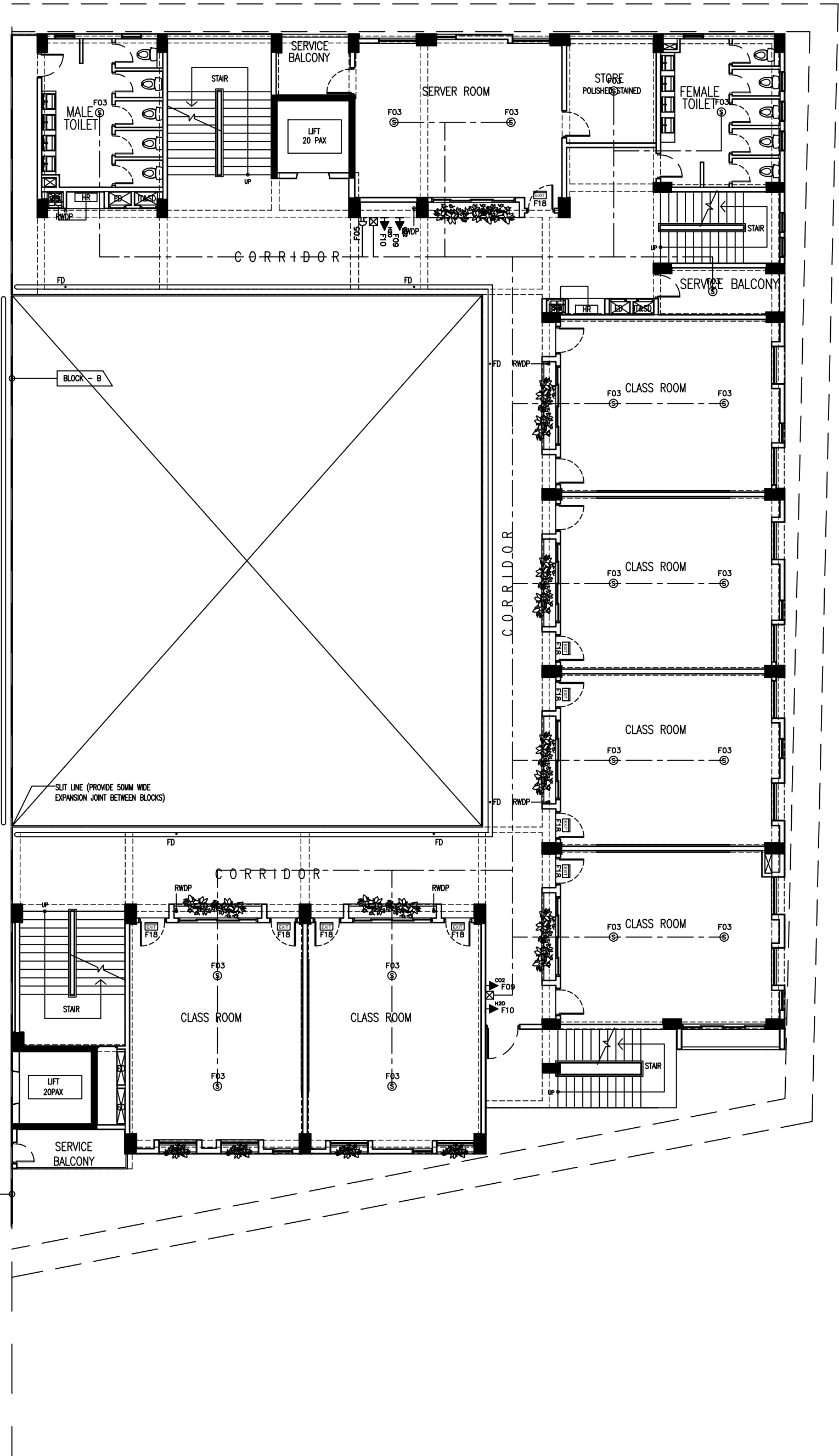


LEGEND

SYMBOL CODE	DESCRIPTION		
F01	MAIN FIRE ALARM PANEL	F13	2 WAY FIREWORKING MILET
F02	ALARMION BOX	F14	PIR RELAY VALVE
F03	SMOKE DETECTOR	F15	FIRE HOSE REL. SPRINKLER HOSE
F04	HEAT DETECTOR	F16	FITTED WITH AT SPRINK. NOZZLE
F05	SOUNDER BEACON	F17	DRY RISER
F06	BREAK GLASS MANUAL CALL POINT	F18	WET RISER
F07	DOF (DOF) FIRE EXTINGUISHER	F19	EXIT SIGN
F08	DOF (DOF) FIRE EXTINGUISHER		
F09	CO2 (CO2) FIRE EXTINGUISHER		
F10	120 B.C.R. FIRE EXTINGUISHER		
F11	FIRE BLANKET		
F12	LANDING VALVE		

THIRD FLOOR FIRE SAFETY LAYOUT PLAN
SCALE 1:150



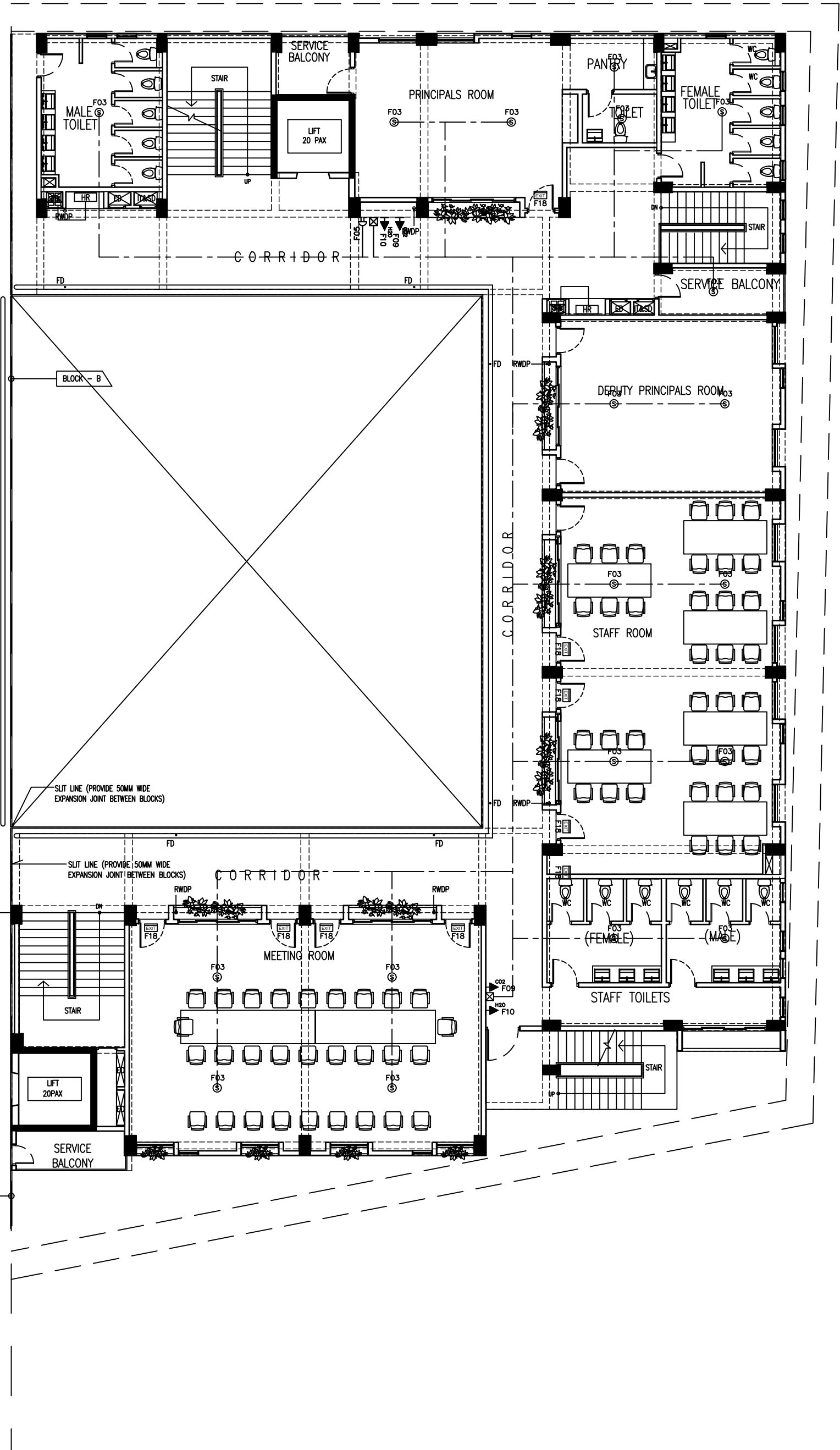


LEGEND

SYMBOL	CODE	DESCRIPTION	SYMBOL	CODE	DESCRIPTION
	F01	MAIN FIRE ALARM PANEL		F13	2 WAY BREACHING INLET
	F02	JUNCTION BOX		F14	AIR RELIEF VALVE
	F03	SMOKE DETECTOR		F15	FIRE HOSE REEL 25MM/100M HOSE FITTED WITH AIT SPRAY NOZZLE
	F04	HEAT DETECTOR		F16	DRY RISER
	F05	SOUNDER BEZEL		F17	DRY RISER
	F06	BREAK GLASS MANUAL CALL POINT		F18	EXIT SIGN
	F07	CO2 (DMC) FIRE EXTINGUISHER		F19	FIRE RISK STRATA CONSISTING OF 2 EXISTING STRATA EXISTING STRATA RATED FLOOR/ROOF AND HEAD-UPRAISED SPEED 2000RPM
	F08	CO2 (DMC) FIRE EXTINGUISHER			
	F09	H2O A.I.T. FIRE EXTINGUISHER			
	F10	FIRE BLANKET			
	F11	LANDING VALVE			
	F12	LANDING VALVE			

FOURTH FLOOR FIRE SAFETY LAYOUT PLAN

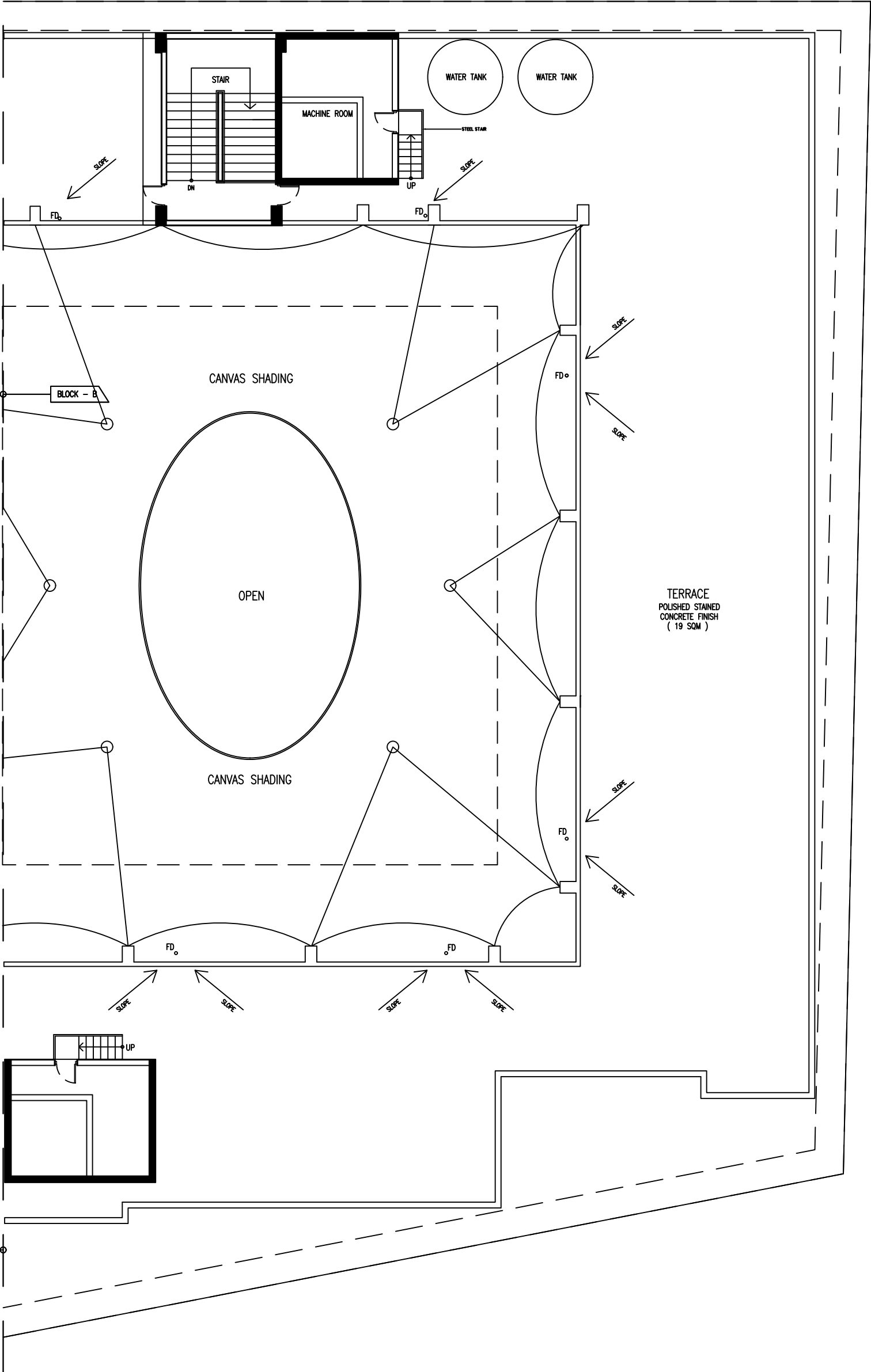
SCALE 1:150



LEGEND

SYMBOL	CODE	DESCRIPTION	SYMBOL	CODE	DESCRIPTION
	F01	MAIN FIRE ALARM PANEL		F13	2 WAY BREACHING INLET
	F02	JUNCTION BOX		F14	DRY RISER VALVE
	F03	SMOKE DETECTOR		F15	DRY RISER VALVE
	F04	HEAT DETECTOR		F16	DRY RISER VALVE
	F05	SOUNDER BELCON		F17	DRY RISER VALVE
	F06	BREAK GLASS MANUAL CALL POINT		F18	DRY RISER VALVE
	F07	DRY (WUL) FIRE EXTINGUISHER		F19	DRY RISER VALVE
	F08	DRY (WUL) FIRE EXTINGUISHER		F20	DRY RISER VALVE
	F09	DRY (WUL) FIRE EXTINGUISHER		F21	DRY RISER VALVE
	F10	DRY (WUL) FIRE EXTINGUISHER		F22	DRY RISER VALVE
	F11	DRY (WUL) FIRE EXTINGUISHER		F23	DRY RISER VALVE
	F12	DRY (WUL) FIRE EXTINGUISHER		F24	DRY RISER VALVE

FIFTH FLOOR FIRE SAFETY LAYOUT PLAN
SCALE 1:150



LEGEND

SYMBOL	CODE	DESCRIPTION	SYMBOL	CODE	DESCRIPTION	
	FT01	MAIN FIRE ALARM PANEL		FT13	2 WAY BREACHING INLET	
	FT02	JUNCTION BOX		FT14	AIR RELIEF VALVE	
	FT03	SMOKE DETECTOR		FT15	FIRE HOSE REEL, 25M/30M HOSE	
	FT04	HEAT DETECTOR		FT16	FITTED WITH JET SPRAY NOZZLE	
	FT05	SOUNDER BEACON		FT17	DRY RISER	
	FT06	BREAK GLASS MANUAL CALL POINT		FT18	WET RISER	
	FT07	CO2 (20K) FIRE EXTINGUISHER		FT19	DRY STAND	
	FT08	CO2 (20K) FIRE EXTINGUISHER	NOTE: ALL FIRE RESISTANT CABLES SHALL BE ENCLOSED IN PVC CONDUIT			
	FT09	CO2 (20K) FIRE EXTINGUISHER				
	FT10	HO BTL FIRE EXTINGUISHER				
	FT11	FIRE BLOWER				
	FT12	LANDING VALVE	NOTE: ALL FIRE RESISTANT CABLES SHALL BE ENCLOSED IN PVC CONDUIT			

ROOF PLAN
SCALE 1:150