



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

Phone: (07) 3278 4375

Website: www.edg.net.au Email: brisbane@edg.net.au

C3305a - ST JOHNS ANGLICAN COLLEGE, FOREST LAKE - MAST LOFT CONVERSION

C3305a-0001(B).xls

ELECTRICAL SERVICES CONTRACT DOCUMENT SCHEDULE

REVISION B - 10 JULY 2024

ISSUING INFORMATION				DATE OF ISSUE							
	DAY	02	10								
	MONTH	07	07								
	YEAR	24	24								
	REASON FOR ISSUE	P	T								
A = APPROVAL C = CONSTRUCTION N = COORDINATION P = PRELIMINARY T = TENDER											

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P = PRINT T = TRACING D = DISC E = EMAIL F = FAX											

DOCUMENTS		REVISION									
C3305a-E01.dwg	LEGEND & SITE PLAN	A	B								
C3305a-E02.dwg	LEVEL 1 EXISTING PLANS	A	B								
C3305a-E03.dwg	LEVEL 1 PROPOSED PLANS	A	B								
C3305a-E04.dwg	MEZZANINE PLANS	A	B								
C3305a-0001.xls	CONTRACT DOCUMENT SCHEDULE	A	B								
C3305a-0002.xls	EQUIPMENT SCHEDULE		A								
C3305a-0001.zip	FITTING & OUTLET DATASHEETS		A								



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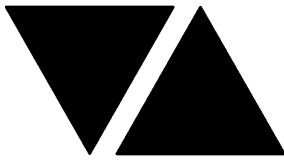
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ELECTRICAL EQUIPMENT SCHEDULE

REVISION A - 10 JULY 2024

THE LIGHT FITTING SUPPLIER CONTACT DETAILS MAY BE AVAILABLE ON THE EDG WEBSITE VIA THE FOLLOWING LINK www.edg.net.au/Links/Lighting.htm					
TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
L1	34W 4000K LED	600 x 600 LAY IN FLAT PLATE LED FITTING C/W REMOTE DRIVER MOUNTED IN THE CEILING T BAR	WHITE TRIM	GAMMA ILLUMINATION AXIS 1548-4K-34W	A
L2	34W 4000K LED	1200 x 300 LAY IN FLAT PLATE LED FITTING C/W REMOTE DRIVER MOUNTED IN THE CEILING T BAR	WHITE TRIM	GAMMA ILLUMINATION AXIS 1549-4K-34W	A
L3	DOWNWARD 3350 LUMEN / M AND UPWARD 1000 LUMEN /M 4000K LED	ROD SUSPENDED EXTRUDED FITTING C/W LED OPTEK DIFFUSER UP AND DOWN C/W INTEGRAL GEAR AS NECESSARY. REFER TO THE L3 DETAILS FOR THE CONFIGURATION. THE FITTING IS TO EXTEND ACROSS THE ROOM WALL TO WALL .	WHITE	KLIK SYSTEMS KALLI 100 BEAM DI	A
L4	DOWNWARD 3350 LUMEN / M AND UPWARD 1000 LUMEN /M 4000K LED	ROD SUSPENDED EXTRUDED FITTING C/W LED OPTEK DIFFUSER UP AND DOWN C/W NON MAINTAINED E1 EMERGENCY LIGHT AND INTEGRAL GEAR AS NECESSARY. REFER TO THE L4 DETAILS FOR THE CONFIGURATION. THE FITTING IS TO EXTEND ACROSS THE ROOM WALL TO WALL .	WHITE	KLIK SYSTEMS KALLI 100 BEAM DI	A
L5	A SINGLE HORIZONTAL RUN OF LED STRIP LIGHT 4000K WHITE LEDS AT 12MM SPACING WITH REMOTE CONTROL GEAR. MOUNT THE LED STRIP UNDER THE OVERHEAD CUPBOARDS HARD AGAINST THE SPLASHBACK AS PER THE ARCHITECTURAL JOINERY DETAILS THE SUPPLIER IS TO CUT / JOIN THE LED STRIPS TO SUIT THE SITE DIMENSIONS. DO NOT CUT THE LED STRIPS ON SITE SCREW FIX THE ALUMINIUM SUPPORT IN PLACE. PROVIDE A MANUAL SWITCH ON THE NON USB AB GPO BELOW TO CONTROL THE ASSOCIATED L5 FITTING. CIRCUIT THE L5 WITH THE AB GPOs.			NEON PRODUCTS AUSTRALIA LF-DFB-NW-300-12 + PR-LIN172153-F	A
L6	28W 4000K LED	SURFACE MOUNTED 500 x 500 TROFFER C/W INTEGRAL DRIVER	WHITE	GAMMA ILLUMINATION EVOKE SM 1255-4K-28W	A
E1	LED	EMERGENCY LIGHT: RECESSED NON-MAINTAINED EMERGENCY LIGHT. AS2293 CLASSIFICATION C0-D40 - C90-D40.	WHITE	CLEVERTRONICS CLIFE	A
EX	LED	EXIT LIGHT: MAINTAINED 24M VIEWING DISTANCE EXIT LIGHT C/W DIFFUSERS & DIRECTIONAL ARROWS AS SHOWN. CEILING SURFACE MOUNT OR WALL MOUNT BETWEEN 2100mm & 2700mm AFFL IF THERE IS NO VERTICAL SURFACE TO MOUNT THE FITTING ON WITHIN THIS RANGE CONFIRM THE MOUNTING HEIGHT WITH THE ENGINEER. PROVIDE A CUSTOM WHITE COUNTER LEVER MOUNTING BRACKET AS REQUIRED AS2293 CLASSIFICATION C0-D8 - C90-E3.2.	WHITE	CLEVERTRONICS LUB PRO SM	A
SWITCH PANEL (SPx)		LIGHTING CONTROL SWITCH PANEL			A



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TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
ONE-WAY LIGHT SWITCH		ONE-WAY LIGHT SWITCH C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNTED AT 1000mm AFFL UNLESS NOTED OTHERWISE.	WHITE	CLIPSAL C2000 SERIES FACEPLATE	A
SINGLE POWER OUTLET		SINGLE POWER OUTLET C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNT AT 300mm AFFL U.N.O. RATING 10A U.N.O.	WHITE	CLIPSAL C2000 SERIES FACEPLATE	A
DOUBLE POWER OUTLET		DOUBLE POWER OUTLET C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNT AT 300mm AFFL U.N.O. RATING 10A U.N.O.	WHITE	CLIPSAL C2000 SERIES FACEPLATE	A
DOUBLE POWER OUTLET (USB)		DOUBLE POWER OUTLET C/W USB A AND USB C CHARGER , CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNT AT 300mm AFFL U.N.O. RATING 10A U.N.O.	WHITE	CLIPSAL C2000 SERIES FACEPLATE	A
SPEAKER RECESSED		RECESSED 265 DIA DUAL CONE SPEAKER C/W 100V MULTI-TAP TRANSFORMER AND FLUSH GRILLE. EACH SPEAKER IS TO BE WIRED IN STAR CONFIGURATION TO THE MAST BUILDINGS EXISTING SCHOOL BELL SYSTEM AMPLIFIER.	WHITE GRILLE	BOSCH LBC 3099/41	A
CR-MF		EXISTING MAST BUILDING COMMUNICATIONS RACK TO BE PROVIDED WITH ADDITIONAL CAT 6 PATCH PANELS TO MATCH THE EXISTING SWITCHGEAR TO ACCOMMODATE THE NEW COMMUNICATIONS OUTLETS. REMOVE ALL EXISTING COMMUNICATIONS CABLING MADE REDUNDANT BY THE WORKS. UPDATE THE PATCH PANEL LABELLING AT PRACTICAL COMPLETION. IT IS ACCEPTABLE TO UTILISE SPARE PORTS IN THE EXISTING PATCH PANELS IF THEY ARE IN ACCEPTABLE CONDITION AND MEET THE CURRENT CAT 6 REQUIREMENTS.			A
CAT 6 COMMUNICATIONS OUTLET		RJ45 CAT-6 COMMUNICATIONS OUTLET, CABLED BACK TO THE MAST BUILDINGS EXISTING COMMUNICATIONS RACK TERMINATED ONTO FACILITY PATCH PANELS VIA 4-PAIR CAT-6 UTP CABLE. MOUNT UP TO 3 RJ45 OUTLETS PER MULTI-GANG FACEPLATE WITH SEPARATE PERMANENT LABELLING FOR EACH OUTLET.	WHITE	CLIPSAL C2000 SERIES FACEPLATE	A
DB-MF		EXISTING MAST BUILDING DISTRIBUTION BOARD TO BE PROVIDED WITH ADDITIONAL SWITCHGEAR TO ACCOMMODATE THE NEW DB-MF CIRCUITS. REMOVE ALL EXISTING CIRCUITS AND SWITCHGEAR MADE REDUNDANT BY THE WORKS. UPDATE THE SCHEDULE AT PRACTICAL COMPLETION. IT IS ACCEPTABLE TO UTILISE THE EXISTING SWITCHGEAR IF IT IS IN ACCEPTABLE CONDITION, MEETS THE CURRENT REQUIREMENTS OF AS3000 AND HAS THE APPROPRIATE CAPACITY AND CONTROL.			A
CIRCUIT DB-MF - P1		PROVIDE CIRCUIT DB-MF -P1 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-MF.			A
CIRCUIT DB-MF - P2		PROVIDE CIRCUIT DB-MF -P2 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-MF.			A
CIRCUIT DB-MF - P3		PROVIDE CIRCUIT DB-MF -P3 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-MF.			A



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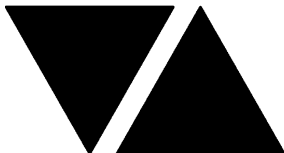
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CIRCUIT DB-MF - P4		PROVIDE CIRCUIT DB-MF -P4 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-MF.			A
CIRCUIT DB-MF - P5		PROVIDE CIRCUIT DB-MF -P5 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-MF.			A
CIRCUIT DB-MF - P6		PROVIDE CIRCUIT DB-MF -P6 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-MF.			A
CIRCUIT DB-MF - P7		PROVIDE CIRCUIT DB-MF -P7 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-MF.			A
CIRCUIT DB-MF - P8		PROVIDE CIRCUIT DB-MF -P8 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-MF.			A
CIRCUIT DB-MF - L1		PROVIDE CIRCUIT DB-MF -L1 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-MF.			A
CIRCUIT DB-MF - L2		PROVIDE CIRCUIT DB-MF -L2 AS A NEW 20 AMP RCBO PROTECTED 2.5MM SINGLE PHASE CIRCUIT FROM THE EXISTING DISTRIBUTION BOARD DB-MF.			A
FIRE EVACUATION RECESSED SPEAKER		RECESSED 5W TWO-TONE 8-INCH CONE ALERT AND EVACUATION SPEAKER TO AS1670.1 C/W 100V MULTI-TAP TRANSFORMER AND FLUSH GRILLE PAINTED OUT TO MATCH THE CEILING.			A
SMOKE DETECTOR		SURFACE MOUNTED SMOKE DETECTOR TO AS1670. WHITE			A
CONCEALED SPACE SMOKE DETECTOR		CONCEALED SPACE SMOKE DETECTOR C/W REMOTE INDICATOR TO AS1670. WHITE			A
MANUAL CALL POINT		EXISTING FIRE ALARM SYSTEM MANUAL CALL POINT TO BE RETAINED AS IS			A
SECURITY INTRUDER DETECTOR		DUAL-TECHNOLOGY MOVEMENT DETECTORS WALL MOUNTED AS PER THE MANUFACTURER'S SPECIFICATION. CONNECT TO THE LOCAL SECURITY EQUIPMENT WITH ONE DETECTOR PER ZONE. PROGRAM THE SECURITY SYSTEM AS REQUIRED TO ACCOMMODATE THE NEW DETECTORS AND CHANGES TO THE SATISFACTION OF THE SCHOOL. SUBMIT DETAILS OF THE DETECTORS INCLUDING THE MOUNTING ARRANGEMENTS FOR APPROVAL PRIOR TO ORDERING.			A
360 DEG SECURITY INTRUDER DETECTOR		DUAL-TECHNOLOGY 360 DEG MOVEMENT DETECTORS CEILING MOUNTED AS PER THE MANUFACTURER'S SPECIFICATION. CONNECT TO THE LOCAL SECURITY EQUIPMENT WITH ONE DETECTOR PER ZONE. PROGRAM THE SECURITY SYSTEM AS REQUIRED TO ACCOMMODATE THE NEW DETECTORS AND CHANGES TO THE SATISFACTION OF THE SCHOOL. SUBMIT DETAILS OF THE DETECTORS INCLUDING THE MOUNTING ARRANGEMENTS FOR APPROVAL PRIOR TO ORDERING.			A
ACCESS CONTROL DOOR ELECTRIC STRIKE (ES)		PROVIDE A NEW FLUSH MOUNTED FAIL SAFE ELECTRIC DOOR STRIKE PLATE TO SUIT THE MODIFIED DOOR. ALLOW TO CONNECT THE ELECTRIC STRIKE TO THE ACCESS CONTROL SYSTEM. PROVIDE CONCEALED DOOR READER MODULES & AUXILIARY POWER SUPPLIES AS REQUIRED. COORDINATE THE ELECTRIC DOOR STRIKE INTERFACE WITH THE DOOR SUPPLIER.			A



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TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
ACCESS CONTROL DOOR CARD READER (CR)		EXISTING WALL-MOUNTED ACCESS CONTROL SYSTEM CARD READER TO BE RETAINED AND RECONNECTED TO CONTROL THE NEW DOORS ELECTRIC STRIKE			A
SECURITY PIEZO		REPLACE THE EXISTING REED SWITCH WITH A NEW REED SWITCH WITH CONCEALED CABLING AS PART OF THE NEW / MODIFIED DOOR			A
SECURITY REED SWITCH		SECURITY FLUSH DOOR / GATE REED SWITCH ALL CABLING AND ASSOCIATED CONDUIT TO BE CONCEALED. CONNECT TO THE LOCAL SECURITY EQUIPMENT WITH EACH DOOR / SET OF DOORS CONFIGURED AS A SINGLE ZONE. PROGRAM THE SECURITY SYSTEM AS REQUIRED TO ACCOMMODATE THE NEW REED SWITCHES AND CHANGES TO THE SATISFACTION OF THE SCHOOL. SUBMIT DETAILS OF THE REED SWITCHES INCLUDING THE MOUNTING ARRANGEMENTS FOR APPROVAL PRIOR TO ORDERING.			A
SECURITY KEY PAD (KP)		EXISTING SECURITY ARMING / DISARMING KEY PAD TO BE RETAINED AS IS			A

NOTES

1. EXTENT OF WORKS

THE ELECTRICAL SERVICES SUB-CONTRACT INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING:

- SUPPLY AND INSTALLATION OF ALL COMPONENTS FORMING PART OF THE ELECTRICAL SERVICES.
- CO-ORDINATION.
- INSPECTIONS.
- TESTING AND COMMISSIONING.
- MAINTENANCE.
- CABLING, CABLE SUPPORT SYSTEMS AND ACCESS.
- POWER DISTRIBUTION.
- LIGHTING.
- COMMUNICATIONS CABLING.
- SCHOOL BELL.
- FIRE DETECTION AND ALARM SYSTEM.
- SECURITY.
- ALL MINOR COMPONENTS AND INCIDENTAL WORKS NOT SPECIFICALLY REFERRED TO, HOWEVER NECESSARY TO COMPLETE THE ELECTRICAL SERVICES INSTALLATION SUCH THAT IT IS HANDED OVER COMPLETE, OPERATIONAL AND FIT FOR THE INTENDED USE.

SUPPLY ALL LABOUR, MATERIALS, EQUIPMENT, AND ALL OTHER ITEMS, WHETHER MENTIONED IN DETAIL OR NOT, REQUIRED FOR THE SATISFACTORY COMPLETION OF THE ELECTRICAL SERVICES INSTALLATION, LEAVING IN FULL WORKING ORDER TO THE SATISFACTION OF THE PROJECT MANAGER.

ACCEPT FULL RESPONSIBILITY FOR LIASING, ARRANGING AND CO-ORDINATION ALL WORKS THAT HAVE AN EFFECT ON OR WILL BE AFFECTED BY THE ELECTRICAL SERVICES.

REMOVE ALL OF THE EXISTING ELECTRICAL SERVICES THAT BECOME REDUNDANT DUE TO THE WORKS.

MODIFY THE EXISTING PITS LOCATED WITHIN THE WORKS AREA TO MATCH THE NEW LEVELS AND FINISHES. THE MODIFICATIONS ARE TO INCLUDE THOUGH NOT BE LIMITED TO THE FOLLOWING AS REQUIRED:

- NEW RISERS.
- NEW SURROUNDS.
- NEW IN FILL LIDS.

2. WORKMANSHIP

ENSURE THAT THE WORK IS PERFORMED BY THE HOLDER OF A CURRENT ELECTRICAL SUB CONTRACTOR LICENSE. ENSURE THE INSTALLATION AND ALL COMPONENTS, FIXTURES, FITTINGS, OUTLETS AND CABLES ARE SUPPLIED AND INSTALLED TO A HIGH STANDARD THROUGHOUT, AND INSTALLED IN A NEAT AND TRADESMAN LIKE MANNER, TO THE CURRENT INDUSTRY STANDARDS. ENSURE ALL MATERIALS AND COMPONENTS OF A SIMILAR TYPE ARE OF THE SAME MANUFACTURER AND INSTALLED IN A UNIFORM MANNER.

IT IS THE ELECTRICAL SUB CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE INSTALLATION IS FIT FOR PURPOSE AND IS PROVIDED AS A COMPLETE WORKING INSTALLATION. IT IS THE ELECTRICAL SUB CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL COMPONENTS, FITTINGS, FIXTURES, SYSTEMS, PROGRAMMING ETC IRRESPECTIVE OF THE LEVEL DETAILED IN THE DOCUMENTS SUCH THAT THE INSTALLATION IS PROVIDED AS A COMPLETE WORKING INSTALLATION.

CONCEAL ALL WIRING AND CONDUITS. EXPOSED CABLING OR CONDUITS ARE GENERALLY NOT ACCEPTABLE. IT IS NOTED THAT CHASING AND REINSTATEMENT WILL BE REQUIRED. ENSURE ALL COMPONENTS, EQUIPMENT AND MATERIALS SUPPLIED ARE NEW, UNUSED, DESIGNED AND SELECTED TO ENSURE SATISFACTORY OPERATION UNDER VARYING ATMOSPHERIC, CLIMATIC, HUMID TROPICAL CONDITIONS WITHOUT DISTORTION AND DETERIORATION IN ANY PART AFFECTING EFFICIENCY AND RELIABILITY OF THE SYSTEMS. DESIGN AND SELECT ALL EQUIPMENT TO PROVIDE THE NECESSARY SAFETY TO HUMAN LIFE AND PROPERTY DURING OPERATION AND MAINTENANCE WITH PARTICULAR ATTENTION GIVEN TO ELECTRICAL SAFETY AND SEGREGATION PRECAUTIONS.

CHECK THE FINISHED PAINTWORK AROUND THE AREA OF EACH INSTALLATION AND TOUCH UP ALL DAMAGED PARTS AND FINISHES AFTER THE INSTALLATION OF THE ELECTRICAL SERVICES.

ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE BUILDER'S PROGRAM. ENSURE ALL FINAL LOCATIONS OF OUTLETS AND FITTINGS ARE CO-ORDINATED ONSITE WITH THE ARCHITECT AND ALL OTHER SERVICES, TO THE APPROVAL OF THE PROJECT MANAGER. ALLOW TO CO-ORDINATE THE FINAL LOCATION OF ALL EQUIPMENT, FITTINGS, & OUTLETS, SUCH THAT THEY ARE INSTALLED IN ACCORDANCE WITH THE AS3000 RESTRICTED ZONES, AND ARE NOT COVERED INAPPROPRIATELY.

ENSURE THAT ALL METAL SURFACES ARE SUITABLY PROTECTED AGAINST CORROSION, AND THAT ALL PLASTIC MATERIALS ARE UV STABILISED.

PROVIDE ALL MATERIALS AS NEW, AND OF THE HIGHEST CLASS AVAILABLE FOR THEIR RESPECTIVE TYPES. ENSURE ALL ASPECTS OF THE WORK ARE OF A HIGH STANDARD THROUGHOUT, AND INSTALLED IN A NEAT AND TRADESMAN LIKE MANNER, TO THE CURRENT INDUSTRY STANDARDS.

3. STANDARDS

IRRESPECTIVE OF INFORMATION CONTAINED IN THE ELECTRICAL SERVICES DOCUMENTS OR IN INSTRUCTIONS, IT IS THE ELECTRICAL SUB CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL ELECTRICAL SERVICES WORKS ARE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FOLLOWING. REFER ANY DISCREPANCIES BETWEEN THE REQUIREMENTS OF THE FOLLOWING AND/OR THE ELECTRICAL SERVICES DOCUMENTS AND INSTRUCTIONS TO THE ARCHITECT FOR CLARIFICATION PRIOR TO THE PLACING OF ORDERS, FABRICATION OR INSTALLATION OF THE ITEMS/METHODS IN DISCREPANCY.

- NCC BUILDING CODE OF AUSTRALIA.
- ELECTRICITY ACT.
- ELECTRICAL SAFETY ACT.
- AS/NZS3000.
- AS3008.
- WORKPLACE HEALTH AND SAFETY ACT.
- TELECOMMUNICATIONS ACT.
- ACMA REQUIREMENTS.

4. AUTHORITIES

ENSURE ALL OF THE ELECTRICAL SERVICES COMPLY WITH THE REQUIREMENTS OF ALL REGULATORY AUTHORITIES HAVING JURISDICTION OVER THE SITE INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

- ACMA.
- LOCAL COUNCIL.
- LOCAL SUPPLY AUTHORITY.
- STATE GOVERNMENT DEPARTMENT OF ENVIRONMENT AND HERITAGE.
- QLD GOVERNMENT, DIVISION OF WORKPLACE, HEALTH AND SAFETY.
- QLD FIRE AND RESCUE AUTHORITY.

5. CABLES

UNLESS OTHERWISE SPECIFIED, INSTALL AND TERMINATE CABLES IN ACCORDANCE WITH THE MANUFACTURERS' RECOMMENDATIONS. DETERMINE THE FINAL ROUTES TO SUIT THE BUILDING STRUCTURE AND SITE CONDITIONS. UNLESS NOTED OTHERWISE, PROVIDE ALL 240 VOLT POWER AND LIGHTING WIRING AS 2.5mm² TWIN & EARTH STRANDED COPPER CONDUCTORS, PVC INSULATED 0.6/1kV V75 GRADE TO AS3174, PROTECTED BY A 20 AMP CIRCUIT BREAKER. ALL CONDUIT AND FITTINGS TO BE RIGID UPVC TO AS2053, UNLESS NOTED OTHERWISE.

NOTES

6. POWER DISTRIBUTION

THE POWER DISTRIBUTION COMPONENT OF THIS CONTRACT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:

- POWER DISTRIBUTION.
- EARTHING.
- REMOVAL OF EXISTING REDUNDANT CIRCUITS.
- CIRCUITS.
- ISOLATORS AND OUTLETS.
- TESTING AND COMMISSIONING.

7. LIGHTING

ALL OF THE LIGHT FITTINGS, LAMPS AND ACCESSORIES ARE TO BE PROVIDED AS PART OF THIS CONTRACT. THE LIGHTING COMPONENT OF THIS CONTRACT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:

- LIGHTING.
- LIGHT FITTINGS AND ACCESSORIES.
- LAMPS.
- EARTHING OF THE LIGHTING INSTALLATION.
- LIGHTING CONTROL.
- LIGHTING SUBCIRCUITS.
- TESTING AND COMMISSIONING.

RECOVER ALL OF THE EXISTING LIGHT FITTINGS FROM THE SPACES TO BE RENOVATED AND RETURN THEM TO THE SCHOOL.

8. COMMUNICATIONS

THE COMMUNICATIONS CABLING COMPONENT OF THIS CONTRACT INCLUDES NEW CAT 6 OUTLETS CABLED VIA CAT 6 CABLE TO THE LOCAL EXISTING MAST BUILDING COMMUNICATIONS RACK.

ALL OF THE EXISTING COMMUNICATION CABLES THAT BECOME REDUNDANT ARE TO BE REMOVED. THE COMMUNICATIONS CABLING COMPONENT OF THIS CONTRACT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:

- REMOVAL OF EXISTING REDUNDANT CABLING.
- COMMUNICATIONS OUTLETS AND CABLING.
- PATCH PANELS WITHIN THE LOCAL RACK AS REQUIRED.
- TESTING AND COMMISSIONING.

9. FIRE ALARM AND DETECTION.

EVERSAFE FIRE (07) 3399 8988 IS TO BE ENGAGED AS NOMINATED SUB CONTRACTOR TO UNDERTAKE ALL FIRE ALARM AND DETECTION WORKS. THE FIRE ALARM AND DETECTION COMPONENT OF THIS CONTRACT INCLUDES THE MODIFICATION OF THE EXISTING FIRE ALARM AND DETECTION SERVICES.

UPDATE THE FIP ZONE DIAGRAM TO REFLECT THE AS BUILT INSTALLATION.

ALL OF THE EXISTING FIRE ALARM AND DETECTION THAT BECOME REDUNDANT ARE TO BE REMOVED. THE FIRE ALARM AND DETECTION COMPONENT OF THIS CONTRACT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:

- REMOVAL OF EXISTING REDUNDANT CABLING AND SERVICES.
- DETECTORS.
- SPEAKERS.
- TESTING AND COMMISSIONING.
- UPDATE THE FIP ZONE DIAGRAM.

10. SCHOOL BELL

SEQFS THOMAS BUXTON 0422 488 621 tom@seqfs.com.au IS TO BE ENGAGED AS NOMINATED SUB CONTRACTOR TO UNDERTAKE ALL SCHOOL BELL WORKS.

THE SCHOOL BELL COMPONENT OF THIS CONTRACT INCLUDES NEW SPEAKERS THROUGHOUT THE BUILDING CONNECTED TO A NEW SCHOOL BELL AMPLIFIER.

THE SCHOOL BELL COMPONENT OF THIS CONTRACT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:

- SPEAKERS AND CABLING.
- TESTING AND COMMISSIONING.
- REED SWITCHES.
- ELECTRIC STRIKES.

11. SECURITY















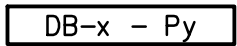








PACIFIC SECURITY 1300 859 141 IS TO BE ENGAGED AS NOMINATED SUB CONTRACTOR TO UNDERTAKE ALL SECURITY WORKS. THE SECURITY COMPONENT OF THIS CONTRACT INCLUDES MODIFICATIONS TO THE EXISTING INTRUDER DETECTION SYSTEM. ALL OF THE EXISTING DETECTORS AND CABLES THAT BECOME REDUNDANT ARE TO BE REMOVED. THE INTRUDER DETECTION COMPONENT OF THIS CONTRACT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:

- REMOVAL OF EXISTING REDUNDANT DETECTORS AND CABLING.
- DETECTORS AND CABLING.
- TESTING AND COMMISSIONING.

















12. ABBREVIATIONS

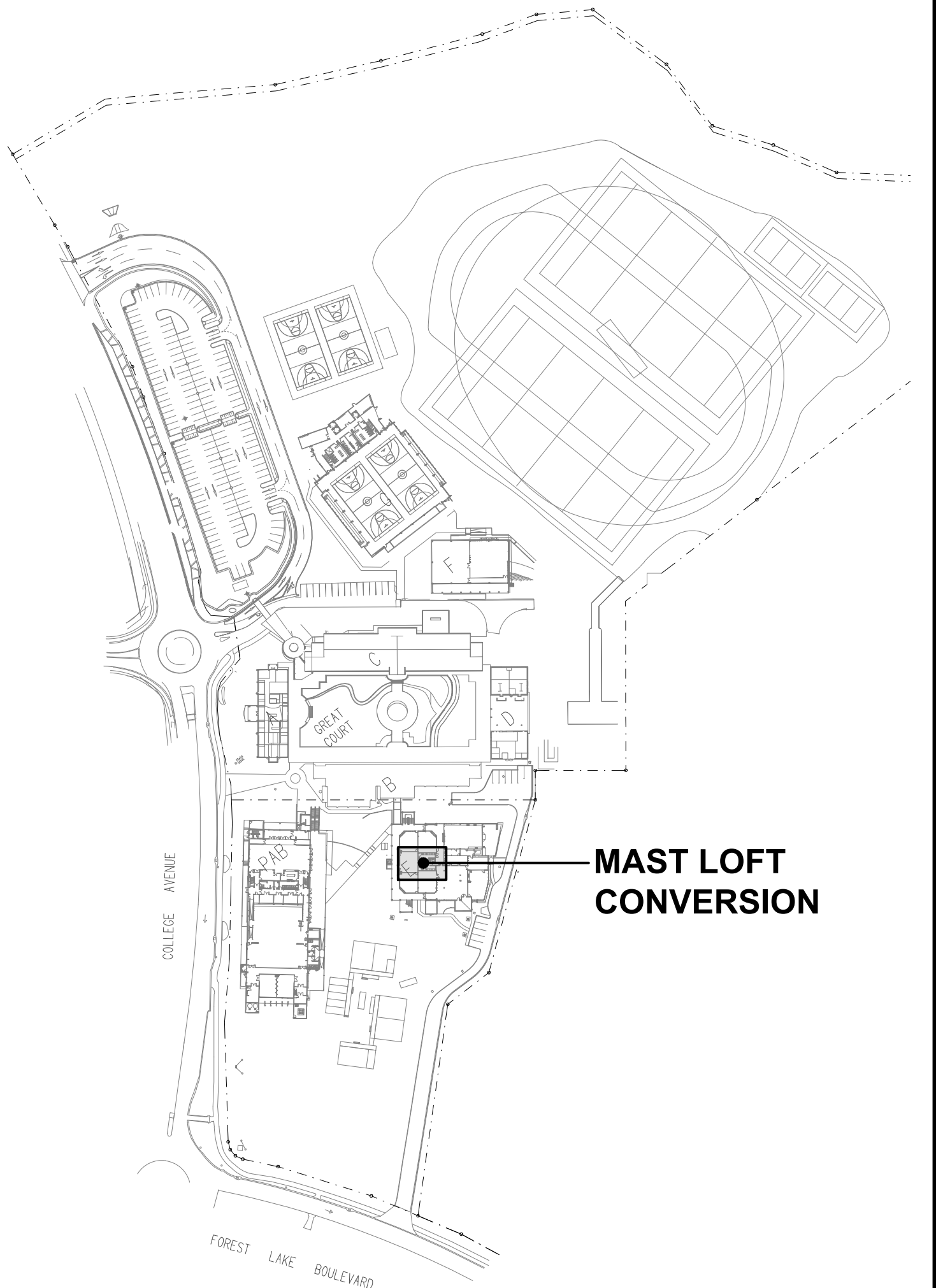
- A - AMP CURRENT RATING
- AB - MOUNT ABOVE BENCH.
- AFFL - ABOVE FINISHED FLOOR LEVEL.
- BB - MOUNT BELOW BENCH.
- BH - MOUNT ON BULKHEAD.
- CEIL - MOUNT ON CEILING.
- CS - MOUNT WITHIN CEILING SPACE.
- C/W - COMPLETE WITH.
- DW - DISHWASHER.
- HP - HOT PLATE.
- MCB - MINIATURE CIRCUIT BREAKER.
- MSB - MAIN SWITCHBOARD.
- MSSB - MECHANICAL SERVICES SWITCHBOARD.
- MW - MICROWAVE.
- N - NEON / LED INDICATOR WHEN ON.
- NTS - NOT TO SCALE.
- OV - OVEN.
- RCD - CIRCUIT PROTECTED VIA A 30mA RESIDUAL CURRENT DEVICE INTEGRAL TO THE CIRCUIT BREAKER.
- REF - REFRIGERATOR.
- UNO - UNLESS NOTED OTHERWISE.
- WP - WEATHERPROOF TO IP56 UNO.
- 500 - NUMBER DENOTES MOUNTING HEIGHT AFFL.

LEGEND

-  ELECTRICAL SERVICES SWITCHBOARD.
-  SWITCHBOARD / CONTROL PANEL NOT PROVIDED AS PART OF THE ELECTRICAL SUBCONTRACT.
-  SINGLE POWER OUTLET.
-  DOUBLE POWER OUTLET.
-  DOUBLE POWER OUTLET C/W USB-A & USB-C CHARGING PORTS.
-  SPECIAL PURPOSE POWER OUTLET.
-  SINGLE PHASE ISOLATOR.
-  THREE PHASE ISOLATOR.
-  CARD READER.
-  LIGHTING CONTROL SWITCH PANEL.
-  ONE-WAY LIGHT SWITCH.
-  CEILING FAN.
-  CIRCUIT LINE.
-  SWITCH LINE.
-  POWER CIRCUIT DESIGNATION. DENOTES DB AND CIRCUIT.
-  ELECTRICAL EQUIPMENT AS NOTED.
-  RJ45 COMMUNICATIONS OUTLET.
-  MAST BUILDING COMMUNICATIONS RACK.
-  SECURITY DOOR REED SWITCH.
-  SECURITY DIRECTIONAL MOTION DETECTOR.
-  SECURITY 360 DEGREE MOTION DETECTOR.
-  SECURITY PIEZO SIREN.
-  SECURITY CARD READER.

LEGEND

-  SECURITY KEY PANEL.
-  SECURITY ELECTRIC STRIKE.
-  SCHOOL BELL SPEAKER.
-  FIRE EVACUATION SPEAKER.
-  SMOKE DETECTOR.
-  CONCEALED SPACE SMOKE DETECTOR.
-  THERMAL DETECTOR.
-  PRESENCE DETECTOR.
-  E1: GENERAL RECESSED LED EMERGENCY LIGHT, NON-MAINTAINED. WHITE.
-  EX: EXIT LIGHT. WHITE.
-  L1: 600 x 600 T-BAR MOUNTED LED FLAT PANEL.
-  L2: 300 x 1200 T-BAR MOUNTED LED FLAT PANEL.
-  L3: 100 x 100 ROD SUSPENDED EXTRUSION AS PER DETAIL.
-  L4: 100 x 100 ROD SUSPENDED EXTRUSION AS PER DETAIL.
-  L5: LED STRIP LIGHT UNDER THE OVERHEAD SHELF.
-  L6: SURFACE MOUNTED BUNKER FITTING.

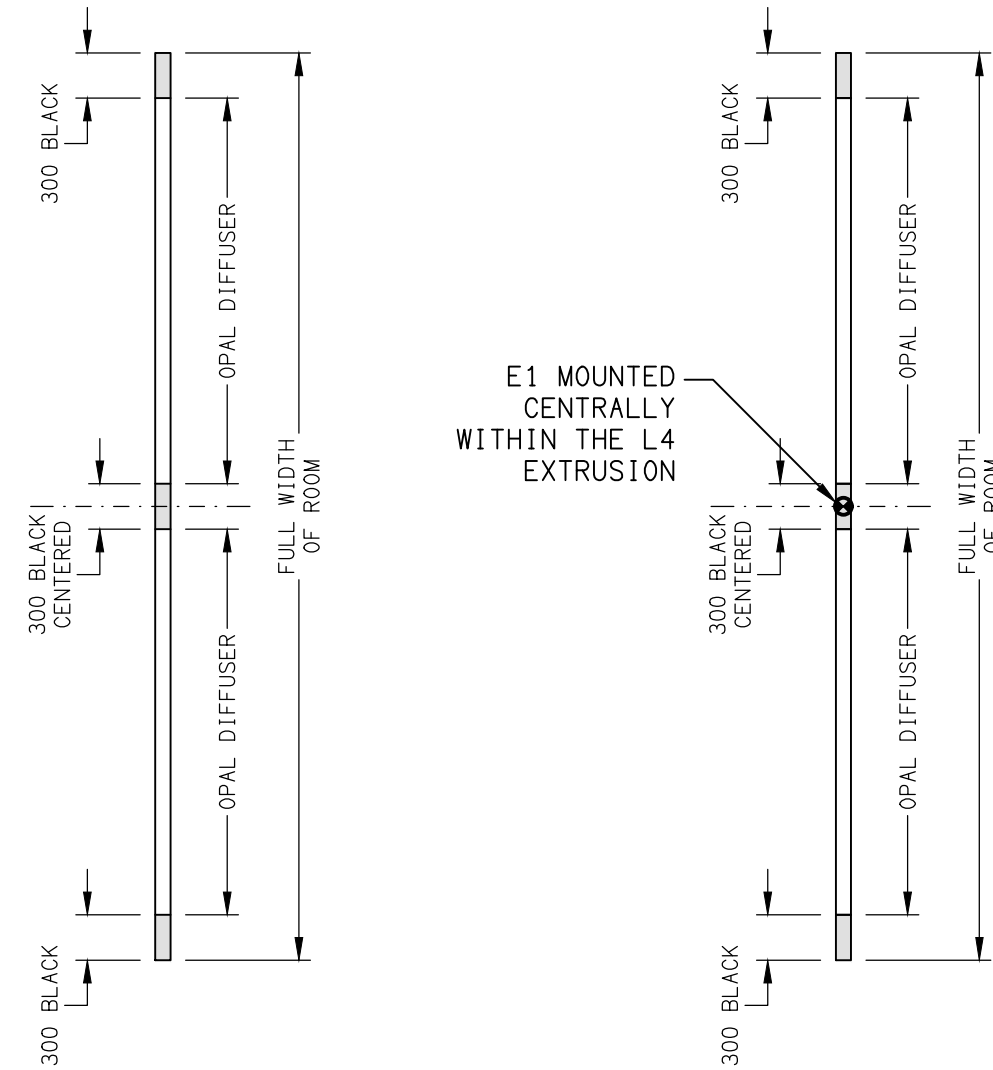


SITE PLAN
MAST LOFT CONVERSION
SCALE 1: 2000

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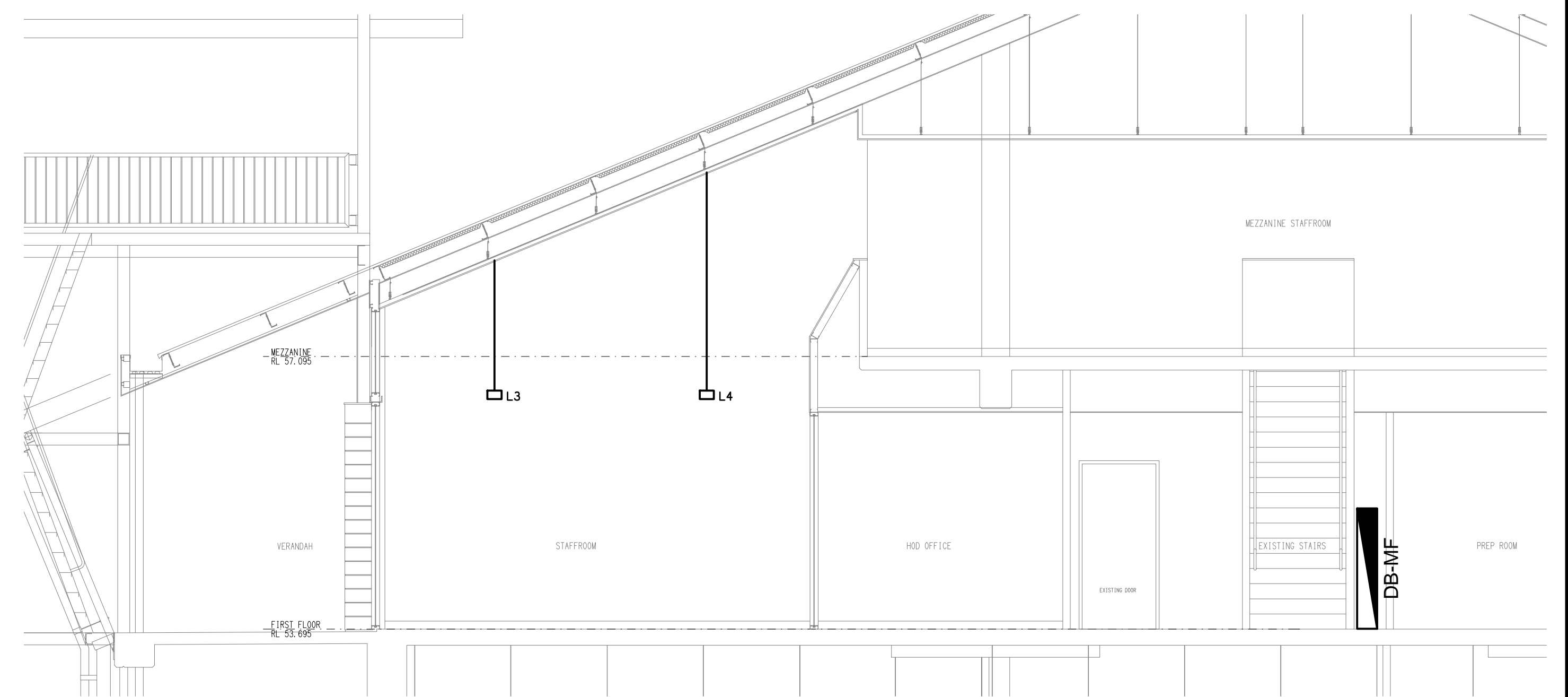


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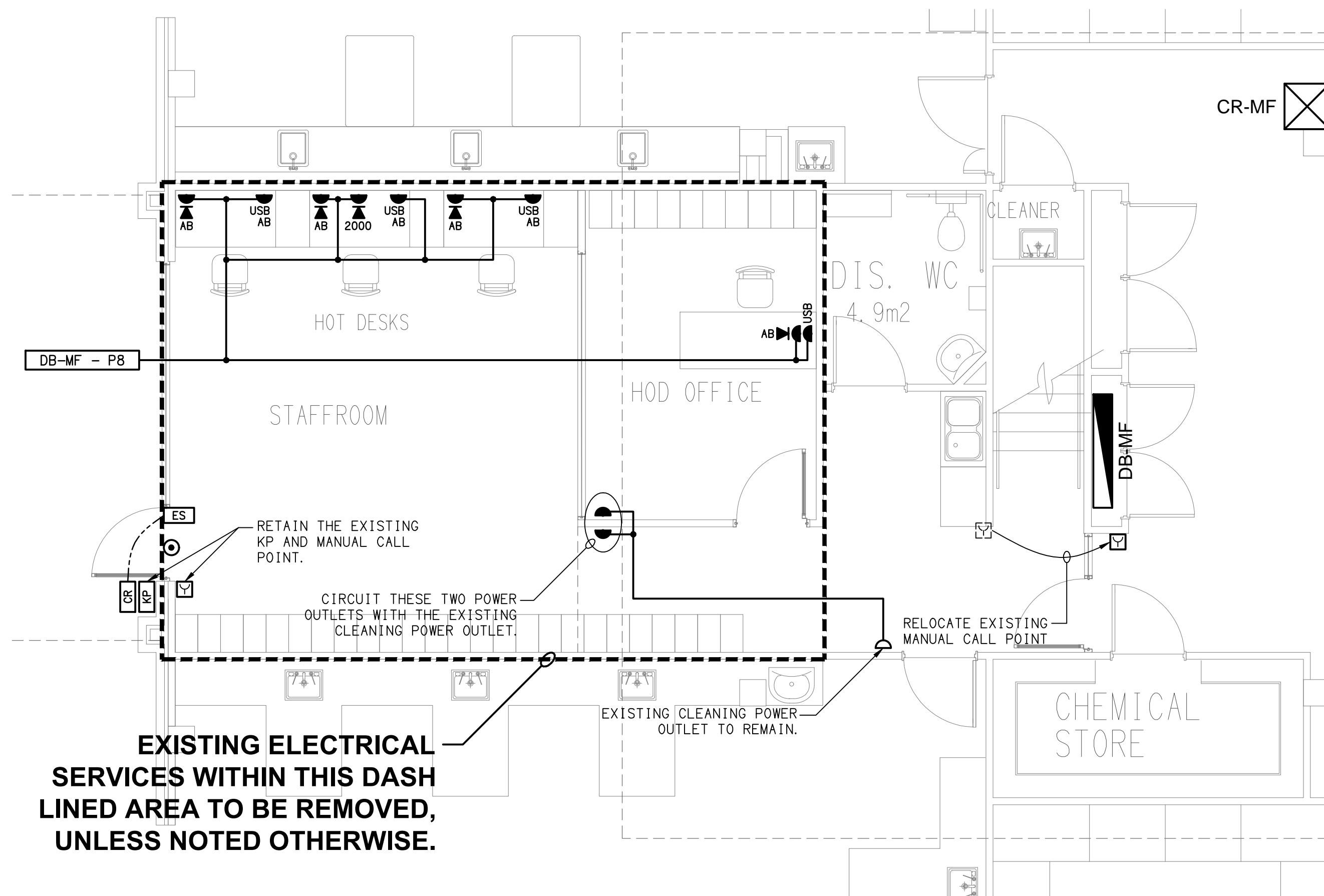


DETAIL B
L3 EXTRUSION
SCALE 1: 50

DETAIL C
L4 EXTRUSION
SCALE 1: 50

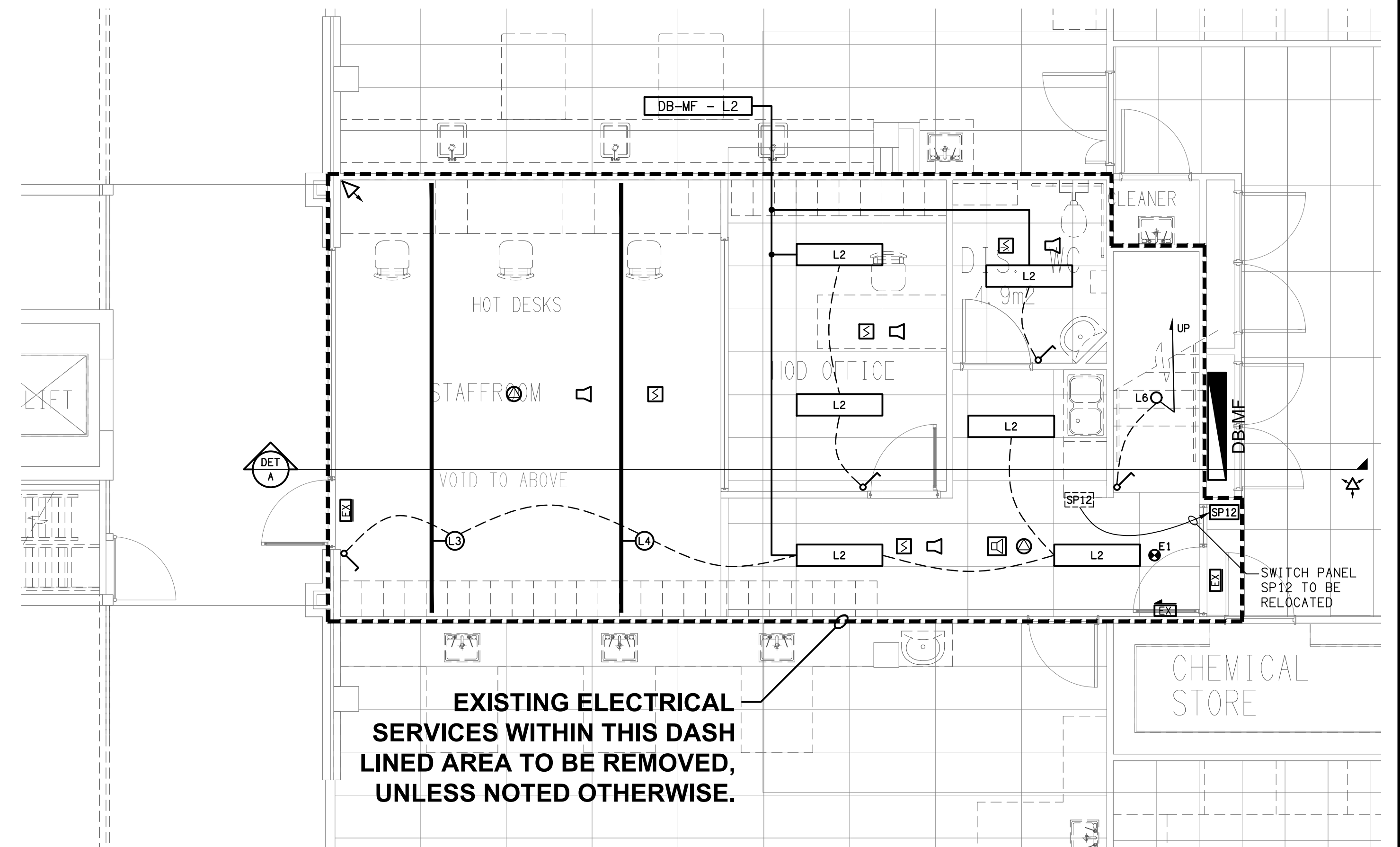


DETAIL A
PROPOSED LEVEL 1 SECTION
SCALE 1: 50



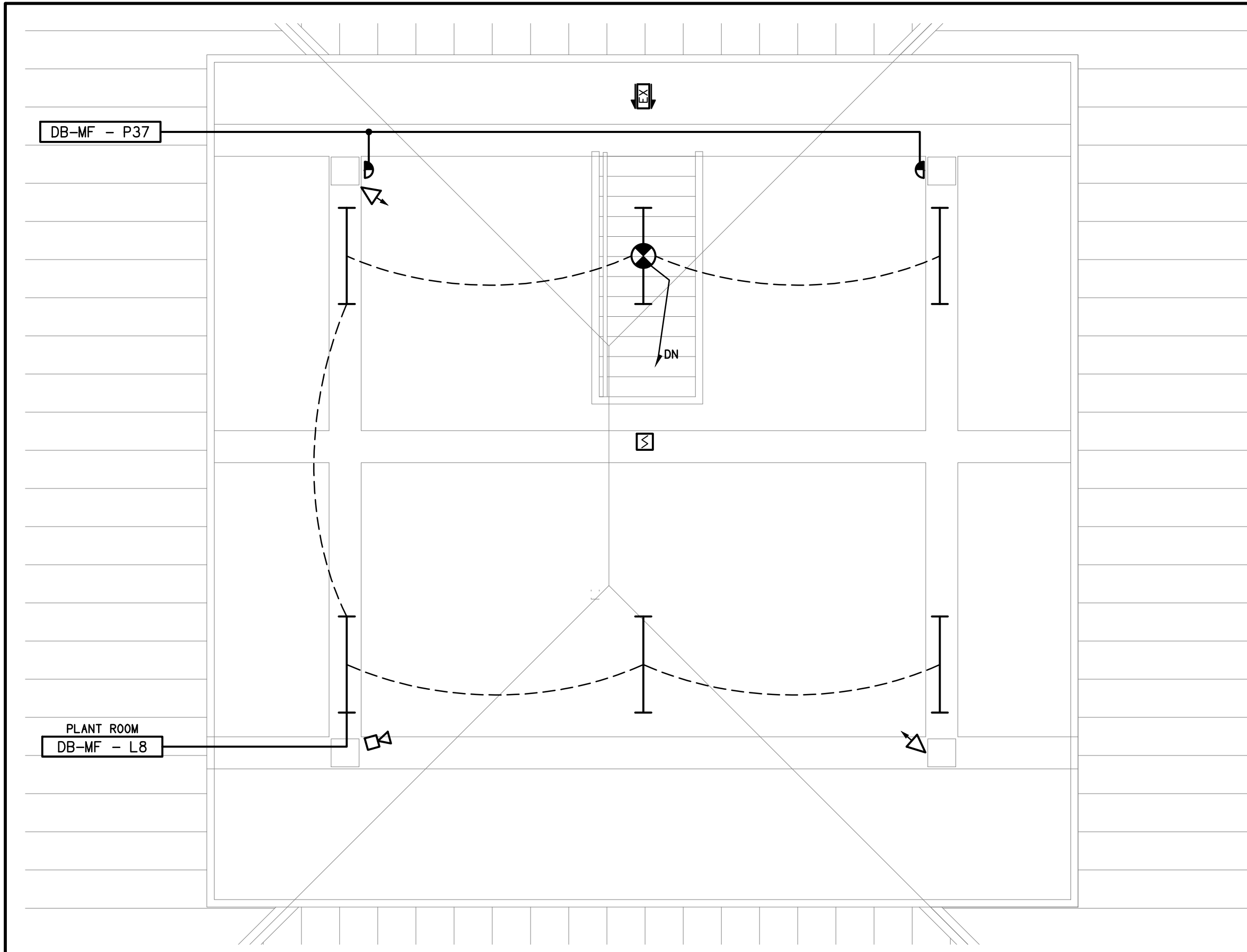
EXISTING ELECTRICAL SERVICES WITHIN THIS DASH LINED AREA TO BE REMOVED, UNLESS NOTED OTHERWISE.

FLOOR PLAN
PROPOSED LEVEL 1
SCALE 1: 50

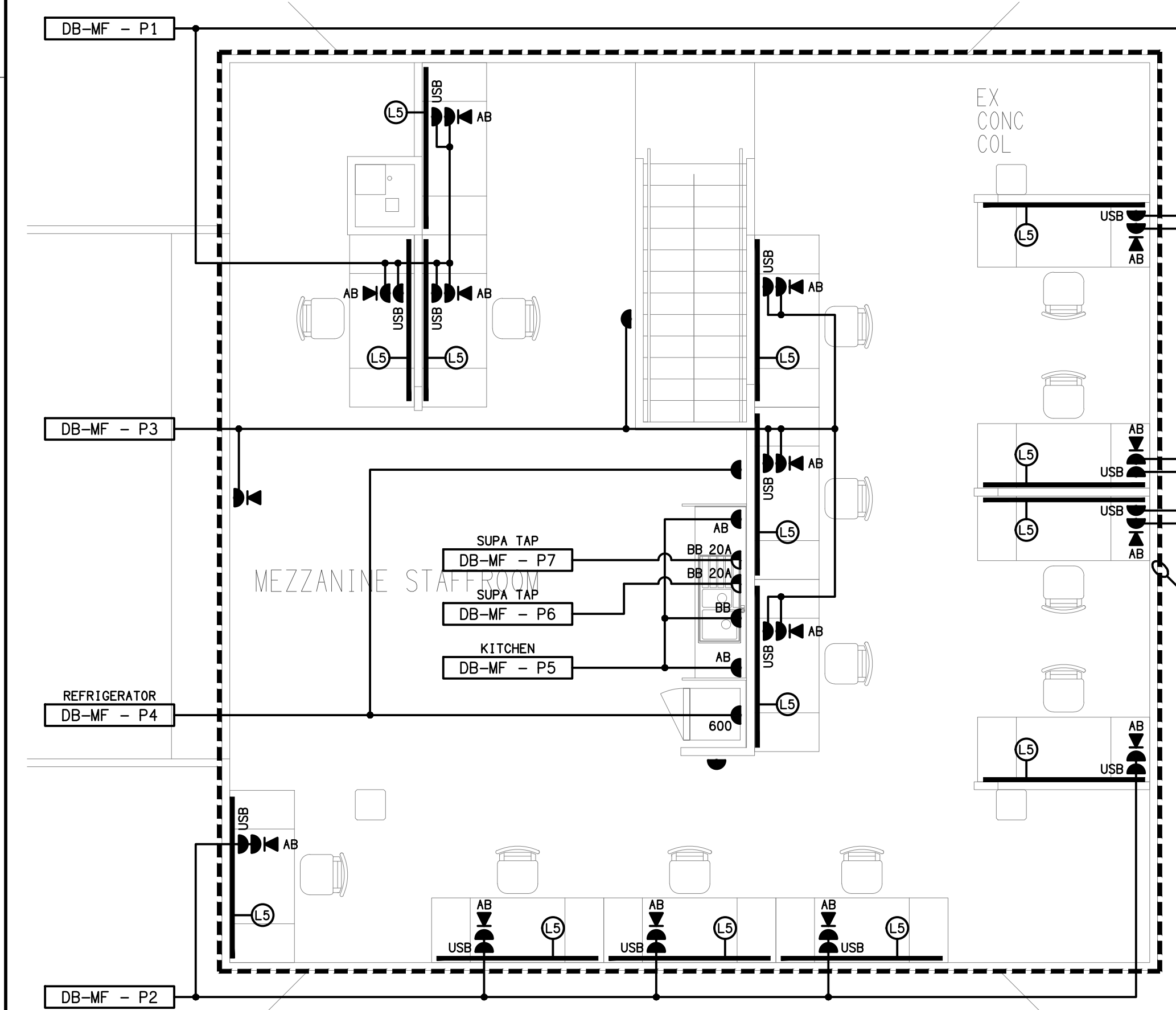


EXISTING ELECTRICAL SERVICES WITHIN THIS DASH LINED AREA TO BE REMOVED, UNLESS NOTED OTHERWISE.

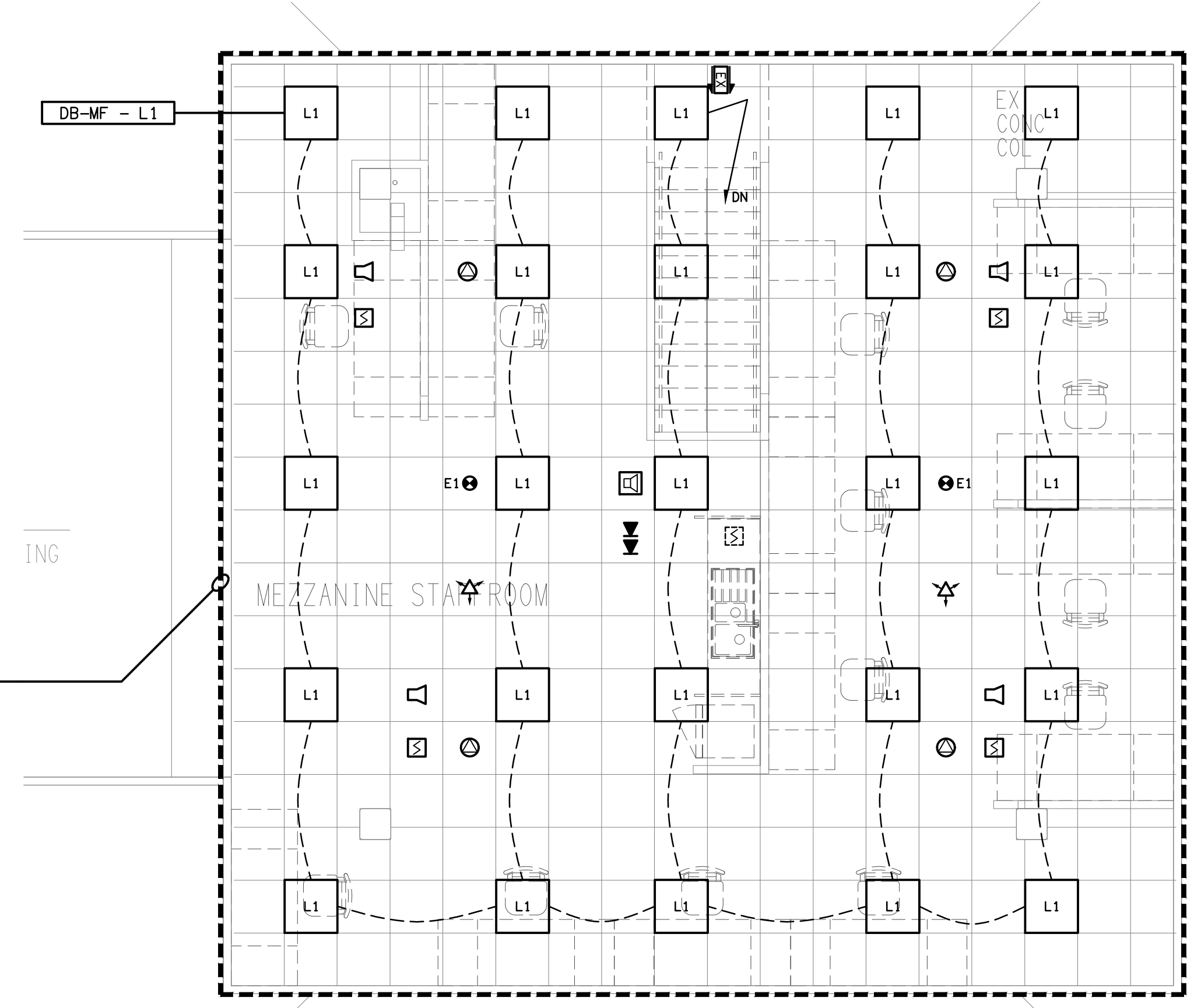
REFLECTED CEILING PLAN
PROPOSED LEVEL 1
SCALE 1: 50



EXISTING PLAN
MEZZANINE LEVEL
SCALE 1: 50



FLOOR PLAN
PROPOSED MEZZANINE LEVEL
SCALE 1: 50



REFLECTED CEILING PLAN
PROPOSED MEZZANINE LEVEL
SCALE 1: 50

EXISTING ELECTRICAL
SERVICES WITHIN THIS DASH
LINED AREA TO BE REMOVED,
UNLESS NOTED OTHERWISE.