

ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

Phone: (07) 3278 4375

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C3316a - MOTORAMA - HILLCREST NISSAN

C3316a-0001(C).xls

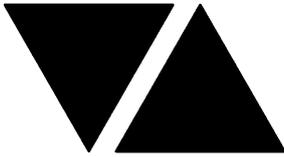
ELECTRICAL SERVICES CONTRACT DOCUMENT SCHEDULE

REVISION C - 11 OCTOBER 2024

ISSUING INFORMATION				DATE OF ISSUE								
	DAY	24	10	11								
	MONTH	09	10	10								
	YEAR	24	24	24								
REASON FOR ISSUE				P	T	T						
A = APPROVAL		C = CONSTRUCTION		N = COORDINATION		P = PRELIMINARY		T = TENDER				

DISTRIBUTION		NUMBER OF COPIES										
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ACTUATED DESIGN		1E	1E	1E								
P = PRINT		T = TRACING		D = DISC		E = EMAIL		F = FAX				

DOCUMENTS		REVISION										
C3316a-E01.dwg	LEGEND, SCHEMATICS & DETAILS	A	B	C								
C3316a-E02.dwg	SITE PLAN & ELEVATION	A	B	C								
C3316a-E03.dwg	FLOOR PLAN	A	B	C								
C3316a-E04.dwg	REFLECTED CEILING PLAN	A	B	C								
C3316a-E05.dwg	EXISTING PLANS	A	B									
C3316a-0001.xls	CONTRACT DOCUMENT SCHEDULE	A	B	C								
C3316a-0002.xls	EQUIPMENT SCHEDULE		A	B								
C3316a-0004.xls	DISTRIBUTION BOARD DB-K SCHEDULE		A	B								
C3316a-0001.zip	FITTING & OUTLET DATASHEETS			A								



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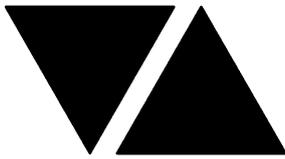
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ELECTRICAL EQUIPMENT SCHEDULE

REVISION B - 11 OCTOBER 2024

THE EQUIPMENT SUPPLIER CONTACT DETAILS MAY BE AVAILABLE ON THE EDG WEBSITE VIA THE FOLLOWING LINK
www.edg.net.au/links.html

TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
L1	45W 3000K LED	NEW NISSAN SHOWROOM RECESSED LED DOWNLIGHT MOUNTED WITHIN THE CEILING FEATURE.	BLACK	EQUAL TO GAMMA ILLUMINATION MERCURY 1288-3K-45W	A
L2	45W 3000K LED	RECESSED DOWNLIGHT C/W REMOTE DRIVER	WHITE	EQUAL TO GAMMA ILLUMINATION MERCURY 1288-3K-45W	A
L3	34W 4000K LED	REPLACE THE EXISTING TBAR TROFFER WITH A NEW 600 X 600 T BAR LED FLAT PANEL TROFFER.	WHITE	EQUAL TO GAMMA ILLUMINATION AXIS G3 1548- 4K-34W	A
L4	22W LED 3000K	NEW CUSTOMER LOUNGE RECESSED LED DOWNLIGHT.	WHITE	EQUAL TO GAMMA ILLUMINATION COBALT 1402-3K-22W	A
L5	13W 4000K LED	NEW CORRIDOR RECESSED LED DOWNLIGHT TO MATCH THE D1 FITTING.	WHITE	EQUAL TO GAMMA ILLUMINATION MYLO 1004-FL-4K-13W	A
L6	24W 4000K LED	NEW DELIVERY STORE RECESSED LED DOWNLIGHT.	WHITE	EQUAL TO SAL LIGHTING RENMARK S9083R35TC/DP - 24/35W	A
L7	35W/ M LED 3000K	4800 LONG NEW DELIVERY RECESSED LED LINEAR EXTRUSION C/W OPAL DIFFUSER.	GLOSS WHITE	EQUAL TO HAWKO H7597R	A
L8	28W LED 3000K	NEW MITSUBISHI SALES RECESSED LED DOWNLIGHT TO MATCH THE D2 FITTING.	WHITE	EQUAL TO GAMMA ILLUMINATION COBALT 1403-3K-28W	A
L9	A SINGLE HORIZONTAL RUN WITHIN THE CEILING PELMET 4000K WHITE LEDS AT 12MM SPACING WITH REMOTE CONTROL GEAR. 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.			EQUAL TO NEON PRODUCTS AUSTRALIA LF-DFB-NW-300-12 + PR-LIN172153-F	A
L10	PROVIDE A POWER SUPPLY IN A CONCEALED ACCESSIBLE POSITION FOR THE FEATURE MITSUBISHI RED LED STRIPS COORDINATE THE POSITION ON SITE WITH EH SIGNAGE SUPPLIER				A



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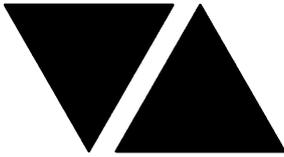
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TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
F1	34W 4000K LED	REPLACE THE EXISTING FLUORESCENT PB RECESSED TROFFER WITH AN LED FLAT PLATE TROFFER	WHITE TRIM	EQUAL TO GAMMA ILLUMINATION AXIS 1549-4K-34W C/W FLUSH RECESS PB KIT	A
F2	34W 4000K LED	REPLACE THE EXISTING FLUORESCENT T BAR RECESSED TROFFER WITH AN LED FLAT PLATE TROFFER	WHITE TRIM	EQUAL TO GAMMA ILLUMINATION AXIS 1549-4K-34W	A
F4	36W LED 4000K	REPLACE THE EXISTING FLUORESCENT SURFACE BATTEN C/W NON MAINTAINED AS2293 PACK WITH AN LED BATTEN C/W NON MAINTAINED AS2293 PACK.	LIGHT GREY	EQUAL TO GAMMA ILLUMINATION STORM 1558-CCT-36W	A
F5	36W LED 4000K	REPLACE THE EXISTING WALL MOUNTED FLUORESCENT BATTEN WITH AN LED BATTEN.	LIGHT GREY	EQUAL TO GAMMA ILLUMINATION STORM 1558-CCT-36W	A
D1	13W 4000K LED	REPLACE THE EXISTING AMENITY / CIRCULATION FLUORESCENT RECESSED DOWNLIGHT WITH AN LED RECESSED DOWNLIGHT.	WHITE	EQUAL TO GAMM ILLUMINATION MYLO 1004-FL-4K-13W	A
D2	28W LED 3000K	REPLACE THE EXISTING SALES FLUORESCENT RECESSED DOWNLIGHT WITH AN LED RECESSED DOWNLIGHT.	WHITE	EQUAL TO GAMMA ILLUMINATION COBALT 1403-3K-28W	A
D5	24W 4000K LED	REPLACE THE EXISTING EXTERNAL SOFFIT FLUORESCENT RECESSED DOWNLIGHT WITH AN LED RECESSED DOWNLIGHT.	WHITE	EQUAL TO SAL LIGHTING RENMARK S9083R35TC/DP - 24/35W	A
D6	45W 3000K LED	REPLACE THE EXISTING DRIVE THROUGH FLUORESCENT RECESSED DOWNLIGHT WITH AN LED RECESSED DOWNLIGHT.	WHITE	EQUAL TO GAMMA ILLUMINATION MERCURY 1288-3K-45W	A
W2	36W 4000K LED	REPLACE THE EXISTING EXTERNAL WALL LIGHT WITH AN LED WALL LIGHT.	SILVER	EQUAL TO WE EF OLV340S	A
E1	LED	EMERGENCY LIGHT: RECESSED NON-MAINTAINED EMERGENCY LIGHT. AS2293 CLASSIFICATION C0-D40 - C90-D40.	WHITE	CLEVERTRONICS CLIFE	A
E2	LED	EMERGENCY LIGHT: RECESSED NON-MAINTAINED EMERGENCY LIGHT. AS2293 CLASSIFICATION C0-D40 - C90-D40.	WHITE	CLEVERTRONICS CLIFE	A



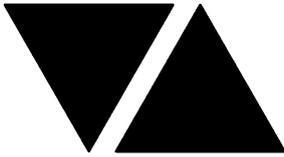
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TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
EX	LED	EXIT LIGHT: MAINTAINED 24M VIEWING DISTANCE EXIT LIGHT C/W DIFFUSERS & DIRECTIONAL ARROWS AS SHOWN AND A IP56 HOUSING CEILING OR WALL MOUNT BETWEEN 2100mm & 2700mm AFFL IF THERE IS NO VERTICAL SURFACE TO MOUNT THE FITTING ON WITHIN THIS RANGE CONFIRM THE MOUNTING HEIGHT WITH THE ENGINEER. AS2293 CLASSIFICATION C0-D3.2 - C90-E2.	WHITE LOGO GREEN BACKGROUND WHITE BODY	CLEVERTRONICS LUB PRO SM	A
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
LIGHTING CONTROL SWITCH PANEL (SP1)		WALL MOUNTED MULTI GANG SWITCH PANEL MOUNTED AT 1000mm AFFL UNLESS NOTED OTHERWISE.	WHITE	CLIPSAL C2000 SERIES	A
LIGHTING CONTROL SWITCH PANEL (SP2)		WALL MOUNTED MULTI GANG SWITCH PANEL MOUNTED AT 1000mm AFFL UNLESS NOTED OTHERWISE.	WHITE	CLIPSAL C2000 SERIES	A
SINGLE POWER OUTLET		SINGLE POWER OUTLET C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNT AT 300 AFFL U.N.O.	WHITE	CLIPSAL C2000 SERIES	A
DOUBLE POWER OUTLET		DOUBLE POWER OUTLET C/W CIRCUIT IDENTIFICATION ON THE FACEPLATE BEHIND THE SURROUND MOUNT AT 300 AFFL U.N.O	WHITE	CLIPSAL C2000 SERIES	A
CAT 6 COMMUNICATIONS OUTLET		RJ45 CAT-6 COMMUNICATIONS OUTLET, CABLED BACK TO THE COMMUNICATIONS RACK CR-K 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. MOUNT AT 300 AFFL U.N.O.	WHITE	CLIPSAL C2000 SERIES KRONE JACK C/W SHUTTER	A
DB-K		UPGRADE THE EXISTING DISTRIBUTION BOARD DB-K AS NECESSARY TO ACCOMMODATE THE CIRCUIT MODIFICATIONS AND ADDITIONS REFER TO THE NOTES AND DISTRIBUTION BOARD DB-K SCHEDULE FOR ADDITIONAL INFORMATION AND REQUIREMENTS. REMOVE ALL EXISTING CIRCUITS AND CABLING MADE REDUNDANT BY THE WORKS.			A
FLOOR BOX (FB1)		EXISTING FLOOR BOX TO REMAIN AS IS			A
FLOOR BOX (FB2)		INSITU FLUSH FLOOR BOX C/W A DOUBLE GPOS+ 2 COMMUNICATIONS OUTLETS ON THE SAME FACEPLATE . PROVIDE A 32 DIA CONDUIT C/W A SPARE DRAW WIRE FROM THE REAR OF THE COMMUNICATIONS FACEPLATE TO THE CEILING SPACE ABOVE THE COMMUNICATIONS RACK CR-A. PROVIDE THE GPOS AND COMMUNICATIONS OUTLETS AS PER THE STANDARD DESCRIPTIONS.	STAINLESS STEEL	ECD FB2SHD	A



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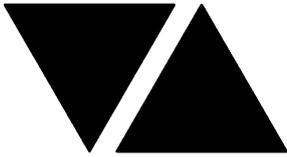
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TYPE	LAMPS	DESCRIPTION	COLOUR / ACCESSORY	CATALOGUE No	REV
SIGN CONNECTION		COORDINATE THE LOCATION AND CONNECTION WITH THE SIGN CONTRACTOR ENSURING THE GPO / ISOLATORS ARE PROVIDED WITH APPROPRIATE WEATHER PROTECTION AND ARE CONCEALED FROM VIEW.			A
COMMUNICATIONS RACK CR-K		EXISTING COMMUNICATIONS RACK TO BE UPGRADED AS NECESSARY AND PROVIDED WITH ADDITIONAL PATCH PANELS TO ACCOMMODATE THE ADDITIONAL COMMUNICATIONS OUTLETS. REMOVE ALL REDUNDANT CABLING AND UPDATE THE PORT NUMBERING.			A
MOTION SENSOR (MS)		EXISTING LIGHTNG MOTION SENSOR SWITCH TO REMAIN AS IS.			B



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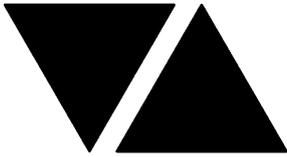
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C3316a - MOTORAMA - HILLCREST NISSAN
DISTRIBUTION BOARD DB-K (KIA BUILDING)
REVISION B - 11 OCTOBER 2024

C3316a-0004(B).xls

FAULT CURRENT: 6KA CHASSIS SIZE: 84 POLES CHASSIS RATING: 250A PHASES: 3							REV
MAIN SWITCH: 250A NON AUTO ISOLATOR SUPPLIED FROM: MSB SUPPLY CABLE: 1C 95							A
MODIFY THE EXISTING DISTRIBUTION BOARD TO ACCOMMODATE THE ADDITIONAL CIRCUITS AND CHANGES. REMOVE ALL SWITCHGEAR THAT BECOMES REDUNDANT. UPDATE THE SCHEDULE AT PRACTICAL COMPLETION. ALL NEW SWITCHGEAR IS TO MATCH THE EXISTING.							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm2)	LOCATION	CIRCUIT USE	
P1	1	20	RCBO	2.5	EXTERNAL	EXISTING RAIN BIRD PUMP	A
P2	1	20	RCBO	2.5	EXTERNAL	EXISTING MAINTENANCE	A
P3	1	20	RCBO	2.5	OFFICES	EXISTING GPOs	A
P4							A
P5	1	20	RCBO	2.5	NISSAN	REUSE EXISTING SALES	A
P6	1	20	RCBO	2.5		REUSE EXISTING SALES	A
P7	1	20	RCBO	2.5		REUSE EXISTING CLEANER	A
P8	1	20	RCBO	2.5		EXISTING FLOOR BOX	A
P9	1	20	RCBO	2.5		EXISTING FLOOR BOX	A
P10							A
P11	1	20	RCBO	2.5	SHOWROOM	EXISTING AUTO DOOR	A
P12	1	20	RCBO	2.5	MITSUBISHI	EXISTING RECEPTION	A
P13	1	20	RCBO	2.5		EXISTING SALES	A
P14							A
P15	1	20	RCBO	2.5		EXISTING PRINTER	A
P16	1	20	RCBO	2.5		EXISTING OFFICE	A
P17	1	20	RCBO	2.5		EXISTING CLEANER	A
P18	1	20	RCBO	2.5	SERVICE	EXISTING RECEPTION	A
P19	1	20	RCBO	2.5	SERVICE	EXISTING EXTERNAL DESK	A
P20	1	20	RCBO	2.5	SERVICE	EXISTING PRINTER	A
P21	1	20	RCBO	2.5	SERVICE	EXISTING TV	A
P22							A
P23	1	25	RCBO	4.0	AMENITY	EXIST HAND DRYER	A
P24	1	20	RCBO	2.5	AMENITY	EXISTING 3.6KW HWS	A
P25	1	20	RCBO	2.5	TRAINING	REUSE EXISTING GPOs	A
P26	1	20	RCBO	2.5	STORE	EXISTING GPOs	A
P27	1	20	RCBO	2.5	STORE	EXISTING SECURITY	A
P28	1	20	RCBO	2.5	STORE	EXISTING CR-K	A
P29	1	20	RCBO	2.5		EXISTING KITCHEN	A
P30	1	20	RCBO	2.5		EXISTING AUTO BOILER	A
P31	1	20	RCBO	2.5		EXISTING HWS	A
P32	1	20	RCBO	2.5	CAFE	EXISTING COFFEE	A
P33	1	20	RCBO	2.5	CAFE	EXISTING GPOs	A
P34	1	20	RCBO	2.5	CAFE	EXISTING HWS	A
P35	1	20	RCBO	2.5	CAFE	EXISTING AUTO BOILER	A
P36	1	20	RCBO	2.5	EXTERNAL	EXISTING GPOs	A
P37	1	20	RCBO	2.5	ROOF	EXISTING GPOs	A
P38	1	20	RCBO	2.5	MITSUBISHI	NEW AUTO BOILER	A
P39	1	20	RCBO	2.5	MITSUBISHI	NEW KITCHEN	A
P40	1	20	RCBO	2.5	DELIVERY	NEW BLINDS	A



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FAULT CURRENT: 6KA CHASSIS SIZE: 84 POLES CHASSIS RATING: 250A PHASES: 3 MAIN SWITCH: 250A NON AUTO ISOLATOR SUPPLIED FROM: MSB SUPPLY CABLE: 1C 95							REV
MODIFY THE EXISTING DISTRIBUTION BOARD TO ACCOMMODATE THE ADDITIONAL CIRCUITS AND CHANGES. REMOVE ALL SWITCHGEAR THAT BECOMES REDUNDANT. UPDATE THE SCHEDULE AT PRACTICAL COMPLETION. ALL NEW SWITCHGEAR IS TO MATCH THE EXISTING.							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm2)	LOCATION	CIRCUIT USE	
L1	1	20	RCBO	2.5	EXTERNAL	REUSE EXISTING BUILDING SIGNAGE	A
L2	1	20	RCBO	2.5	EXTERNAL	REUSE EXISTING BUILDING SIGNAGE	A
L3	1	20	RCBO	2.5	EXTERNAL	REUSE EXISTING BUILDING SIGNAGE	A
L4	1	20	RCBO	2.5	EXTERNAL	EXISTING BUILDING SIGNAGE	A
L5	1	20	RCBO	2.5	EXTERNAL	REUSE EXISTING SECURITY LIGHTING	A
L6	1	20	RCBO	2.5	INTERNAL	REUSE EXISTING SECURITY LIGHTING	A
L7	1	20	RCBO	2.5	EXTERNAL	REUSE EXISTING DRIVE THRU LIGHTING	A
L8	1	20	RCBO	2.5	SHOWROOM	REUSE EXISTING LIGHTING	A
L9	1	20	RCBO	2.5	SHOWROOM	REUSE EXISTING LIGHTING	A
L10	1	20	RCBO	2.5	SHOWROOM	REUSE EXISTING LIGHTING	A
L11	1	20	RCBO	2.5	SHOWROOM	REUSE EXISTING LIGHTING	A
L12	1	20	RCBO	2.5	SALES	REUSE EXISTING LIGHTING	A
L13	1	20	RCBO	2.5	BOH	REUSE EXISTING LIGHTING	A
L14	1	20	RCBO	4.0	EXTERNAL	EXISTING CARPARK LIGHTING	A
L15	1	20	RCBO	4.0	EXTERNAL	EXISTING CARPARK LIGHTING	A
L16	1	20	RCBO	4.0	EXTERNAL	EXISTING CARPARK LIGHTING	A
L17	1	20	RCBO	2.5	EXTERNAL	EXISTING FLOOD LIGHTS	A
L18	1	20	RCBO	2.5	EXTERNAL	EXISTING FLOOD LIGHTS	A
L19	1	20	RCBO	4.0	EXTERNAL	EXISTING PYLON	A
L20	1	20	RCBO	4.0	EXTERNAL	EXISTING PYLON	A
L21	1	20	RCBO	2.5	EXTERNAL	EXISTING CARPARK LIGHTING	A
L22	1	20	RCBO	2.5	DELIVERY	NEW LIGHTING	A
L23	1	20	RCBO	2.5	DELIVERY	NEW LIGHTING	B

LEGEND

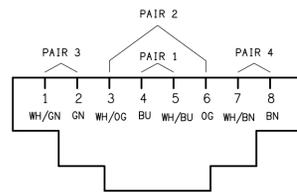
- ELECTRICAL SERVICES SWITCHBOARD.
- SINGLE POWER OUTLET.
- DOUBLE POWER OUTLET.
- SPECIAL PURPOSE POWER OUTLET.
- SIGNAGE CONNECTION.
- SINGLE PHASE ISOLATOR.
- THREE PHASE ISOLATOR.
- JUNCTION BOX.
- CONDUIT ROUTE.
- EXISTING ELECTRICAL FLOOR BOX TO REMAIN AS IS.
- NEW ELECTRICAL FLOOR BOX.
- EXISTING LIGHTING MOTION SENSOR SWITCH TO REMAIN AS IS.
- NEW LIGHTING CONTROL SWITCH PANEL 1.
- NEW LIGHTING CONTROL SWITCH PANEL 2.
- ONE-WAY LIGHT SWITCH.
- CIRCUIT LINE.
- SWITCH LINE.
- POWER CIRCUIT DESIGNATION. DENOTES DB AND CIRCUIT.
- RJ45 CAT 6 COMMUNICATIONS OUTLET.

LEGEND

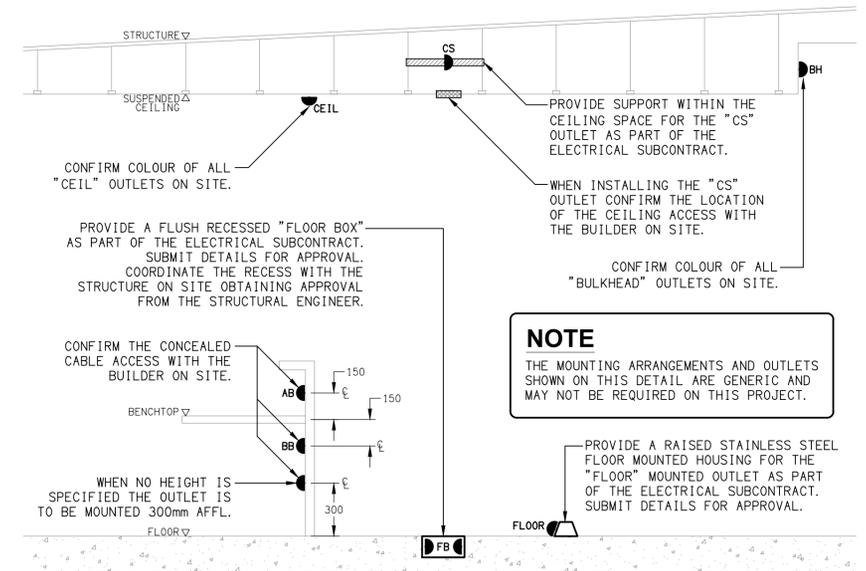
- ELECTRICAL EQUIPMENT AS NOTED.
- REFER TO DETAIL NOTED FOR THE AREA SHOWN HATCHED. ADDITIONAL OUTLETS & FITTINGS MAY BE SHOWN ON DETAIL.
- E1: NEW NON MAINTAINED LED EMERGENCY LIGHT.
- E2: EXISTING NON MAINTAINED LED EMERGENCY LIGHT TO BE REPLACED.
- EX: EXISTING MAINTAINED EMERGENCY LED EXIT LIGHT TO BE REPLACED.
- L1: NEW NISSAN SHOWROOM RECESSED LED DOWNLIGHT MOUNTED WITHIN THE CEILING FEATURE.
- L2: NEW MITSUBISHI SHOWROOM RECESSED LED DOWNLIGHT.
- L3: REPLACE THE EXISTING T-BAR TROFFER WITH A NEW 600 X 600 T BAR LED FLAT PANEL TROFFER.
- L4: NEW CUSTOMER LOUNGE RECESSED LED DOWNLIGHT.
- L5: NEW CORRIDOR RECESSED LED DOWNLIGHT TO MATCH THE D1 FITTING.
- L6: NEW DELIVERY STORE RECESSED LED DOWNLIGHT.
- L7: NEW DELIVERY RECESSED LED LINEAR EXTRUSION.
- L8: NEW MITSUBISHI SALES RECESSED LED DOWNLIGHT TO MATCH THE D2 FITTING.
- L9: NEW CEILING PELMET LED STRIP LIGHT.
- L10: MITSUBISHI RED LED STRIP LIGHT.
- F1: REPLACE THE EXISTING FLUORESCENT PB RECESSED TROFFER WITH A LED FLAT PLATE TROFFER.
- F2: REPLACE THE EXISTING FLUORESCENT T BAR RECESSED TROFFER WITH A LED FLAT PLATE TROFFER.

LEGEND

- F4: REPLACE THE EXISTING FLUORESCENT SURFACE BATTEN C/W NON MAINTAINED AS2293 PACK WITH A LED BATTEN C/W NON MAINTAINED AS2293 PACK.
- F5: REPLACE THE EXISTING FLUORESCENT SURFACE BATTEN WITH A LED BATTEN.
- D1: REPLACE THE EXISTING AMENITY / CIRCULATION FLUORESCENT RECESSED DOWNLIGHT WITH A LED RECESSED DOWNLIGHT.
- D2: REPLACE THE EXISTING SALES FLUORESCENT RECESSED DOWNLIGHT WITH A LED RECESSED DOWNLIGHT.
- D5: REPLACE THE EXISTING EXTERNAL SOFFIT FLUORESCENT RECESSED DOWNLIGHT WITH A LED RECESSED DOWNLIGHT.
- D6: REPLACE THE EXISTING DRIVE THROUGH FLUORESCENT RECESSED DOWNLIGHT WITH A LED RECESSED DOWNLIGHT.
- W2: REPLACE THE EXISTING EXTERNAL FLUORESCENT WALL LIGHT WITH A LED WALL LIGHT.



SCHEMATIC
RJ45 PINOUT CONFIGURATION
NOT TO SCALE



DETAIL
TYPICAL OUTLET MOUNTINGS
NOT TO SCALE

NOTE
THE MOUNTING ARRANGEMENTS AND OUTLETS SHOWN ON THIS DETAIL ARE GENERIC AND MAY NOT BE REQUIRED ON THIS PROJECT.

NOTES

- 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.
- INSPECTIONS.
- TESTING AND COMMISSIONING.
- MAINTENANCE.
- CABLING, CABLE SUPPORT SYSTEMS AND ACCESS.
- POWER DISTRIBUTION.
- LIGHTING.
- COMMUNICATIONS CABLING.
- REMOVE ALL EXISTING ELECTRICAL SERVICES MADE REDUNDANT BY THE WORKS.
- THE EXISTING ELECTRICAL SERVICES NOT REFERENCED OR SHOWN ARE TO REMAIN AS IS.
- 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.
PRIOR TO COMMENCING WORK CONSULT SITE MANAGEMENT FOR ANY HAZARDOUS MATERIAL AND OR ASBESTOS REGISTERS AS WELL AS UNDERTAKE A THOROUGH INSPECTION OF THE SITE TO IDENTIFY ANY POTENTIAL HAZARDOUS MATERIALS, ASBESTOS AND HEALTH OR SAFETY RISKS. ADVISE THE CONTRACTOR OF ANY POTENTIAL HAZARDOUS MATERIALS, ASBESTOS AND HEALTH OR SAFETY RISKS IF IDENTIFIED AND DO NOT COMMENCE WORK UNTIL AN APPROPRIATE MANAGEMENT PLAN HAS BEEN DEVELOPED AND AGREED TO BY ALL PARTIES.
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 OF ALL WORKS THAT HAVE AN EFFECT ON OR WILL BE AFFECTED BY THE ELECTRICAL SERVICES.
REFER TO THE EQUIPMENT SCHEDULE FOR ADDITIONAL REQUIREMENTS.
- WORKMANSHIP
ENSURE THAT THE ELECTRICAL WORK IS PERFORMED BY THE HOLDER OF A CURRENT ELECTRICAL SUB CONTRACTOR LICENSE AND THE SERVICES COVERED BY THE ACMA IS PERFORMED BY THE HOLDER OF THE APPROPRIATE CURRENT ACMA 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.

NOTES

- NOTE 2 - CONT
- 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 ON SITE 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.
- 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.
 - 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 EMERGENCY SERVICES.

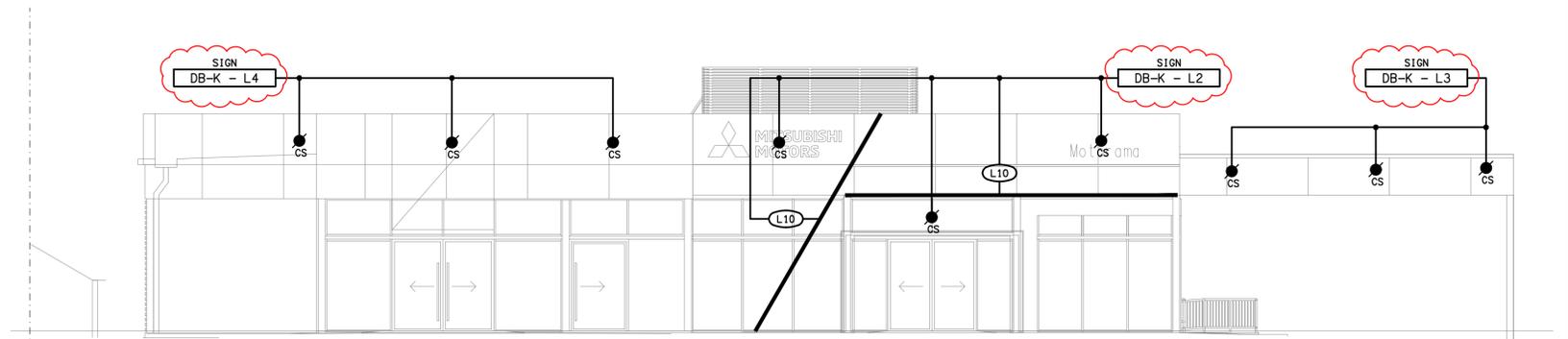
NOTES

- 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.
- POWER DISTRIBUTION
THE POWER DISTRIBUTION COMPONENT OF THIS CONTRACT INCLUDES THE MODIFICATION AND NEW CIRCUITS TO DB-K.
IT IS ACCEPTABLE TO UTILISE THE EXISTING CIRCUITS RETAINED OR REDUNDANT TO SUPPLY THE NEW OUTLETS IF THEY HAVE SUFFICIENT CAPACITY AND COMPLY WITH THE CURRENT VERSION OF AS3000.
ALL OF THE EXISTING CIRCUITS, CABLING AND OUTLETS THAT BECOME REDUNDANT ARE TO BE REMOVED.
ANY INTERRUPTION TO THE POWER SUPPLY TO ANY SERVICES OUTSIDE OF THE AREA OF WORKS MUST BE RESTRICTED TO OUTSIDE OF THE VENUES OPERATING HOURS AND MUST BE ADVISED TO THE OPERATOR IN WRITING TWO WEEKS PRIOR.
THE POWER DISTRIBUTION COMPONENT OF THIS CONTRACT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:
- POWER DISTRIBUTION.
- DB-A MODIFICATIONS AND UPGRADES.
- CABLE ACCESS WAYS.
- CIRCUITS.
- ISOLATORS AND OUTLETS.
- FLOOR BOXES.
- TESTING AND COMMISSIONING.
- REMOVAL OF ALL EXISTING REDUNDANT SERVICES.
- RECONNECTION OF ALL EXISTING SERVICES THAT REMAIN.
- LIGHTING
ALL OF THE LIGHT FITTINGS, LAMPS AND ACCESSORIES ARE TO BE PROVIDED AS PART OF THIS CONTRACT. THE EXISTING FITTINGS ARE TO BE REPLACED WITH 50,000 HOUR SOLID STATE LED FITTINGS. THE LIGHTING COMPONENT OF THIS CONTRACT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:
- LIGHTING.
- LIGHT FITTINGS AND ACCESSORIES.
- EMERGENCY AND EXIT LIGHTING.
- EARTHING OF THE LIGHTING INSTALLATION.
- LIGHTING CONTROL.
- LIGHTING SUBCIRCUITS.
- TESTING AND COMMISSIONING.
- RECONNECTION OF THE EXISTING LIGHTING THAT REMAINS.
- REMOVAL OF ALL EXISTING REDUNDANT LIGHTING SERVICES.

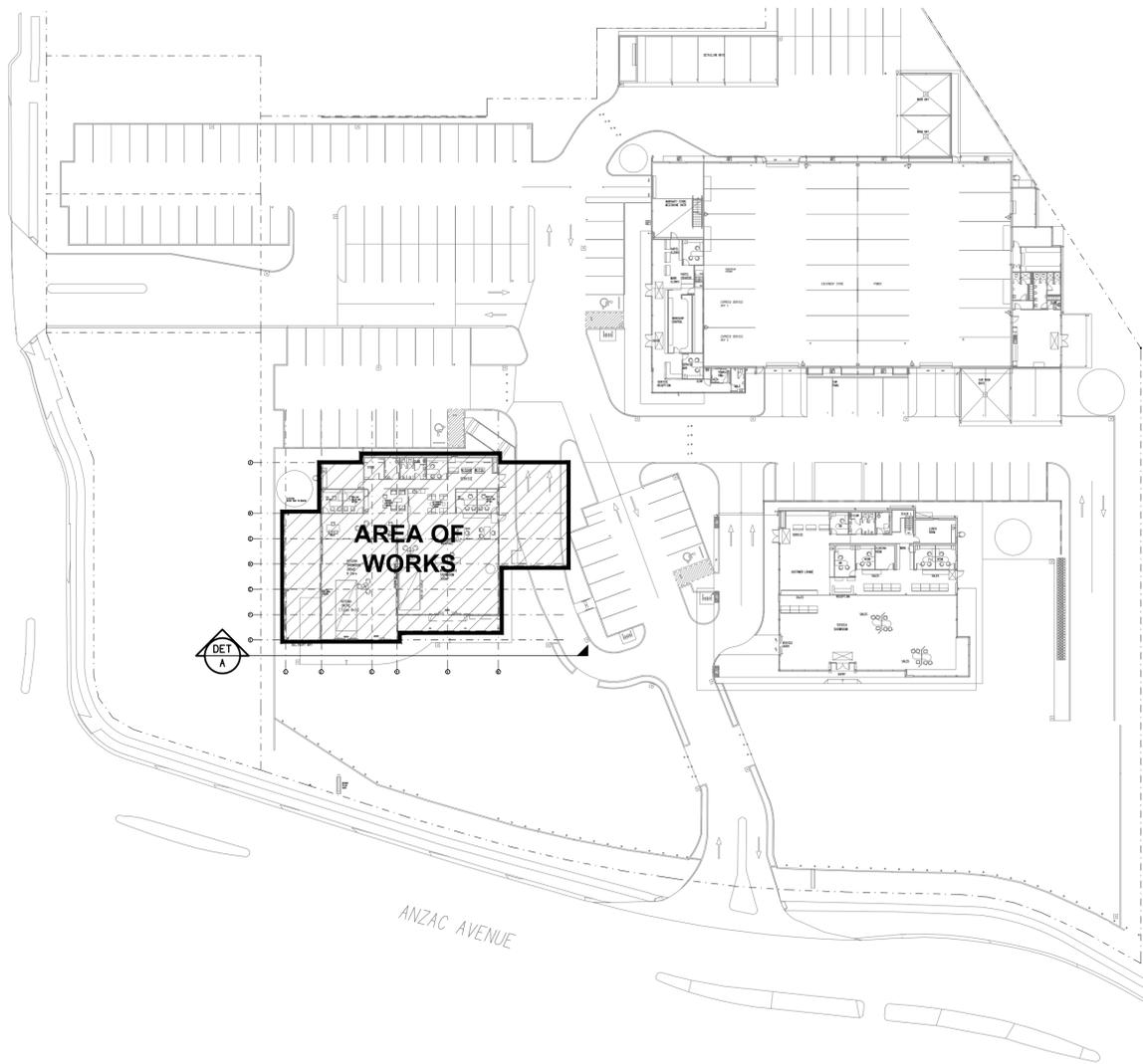
NOTES

- COMMUNICATIONS CABLING
THE COMMUNICATIONS CABLING COMPONENT OF THIS CONTRACT INCLUDES PROVIDING ADDITIONAL CAT 6 COMMUNICATIONS OUTLETS SUPPLIED FROM CR-K.
ANY INTERRUPTION TO THE VENUES COMMUNICATIONS SERVICES OUTSIDE OF THE AREA OF WORKS MUST BE RESTRICTED TO OUTSIDE OF THE VENUES OPERATING HOURS AND MUST BE ADVISED TO THE OPERATOR IN WRITING TWO WEEKS PRIOR.
THE COMMUNICATIONS CABLING COMPONENT OF THIS CONTRACT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING EXTENT OF WORK:
- PATCH PANELS IN CR-KS NECESSARY.
- CAT 6 COMMUNICATIONS OUTLETS AND CABLING.
- CABLE ACCESS WAYS.
- TESTING AND COMMISSIONING.
- REMOVAL OF ALL EXISTING COMMUNICATIONS CABLING MADE REDUNDANT BY THE WORKS.
- ABBREVIATIONS
A - AMP CURRENT RATING
AB - MOUNT ABOVE BENCH.
AD - AUTO DOOR.
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.
EXIST - EXISTING OUTLET.
HWS - HOT WATER SYSTEM.
MCB - MINIATURE CIRCUIT BREAKER.
N - NEON / LED INDICATOR WHEN ON.
NTS - NOT TO SCALE.
RCBO - CIRCUIT BREAKER C/W AN INTEGRAL 30ma RESIDUAL CURRENT DEVICE.
RCD - CIRCUIT PROTECTED VIA A 30ma RESIDUAL CURRENT DEVICE.
REF - REFRIGERATOR.
RK - RECESS KIT.
UNO - UNLESS NOTED OTHERWISE.
WP - WEATHERPROOF TO IP56 UNO.
500 - NUMBER DENOTES MOUNTING HEIGHT AFFL.

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C TENDER 11/10/2024 REV: DESCRIPTION: DATE:		DRAWING: ELECTRICAL SERVICES LEGEND, SCHEMATICS & DETAILS	
SCALE: NOT TO SCALE AT A1		PROJECT NO: C3316a DRAWING NO: E01 REVISION: C	



DETAIL A
 NISSAN BUILDING ELEVATION
 SCALE 1:100



SITE PLAN
 NISSAN BUILDING REFURBISHMENT
 SCALE 1:500

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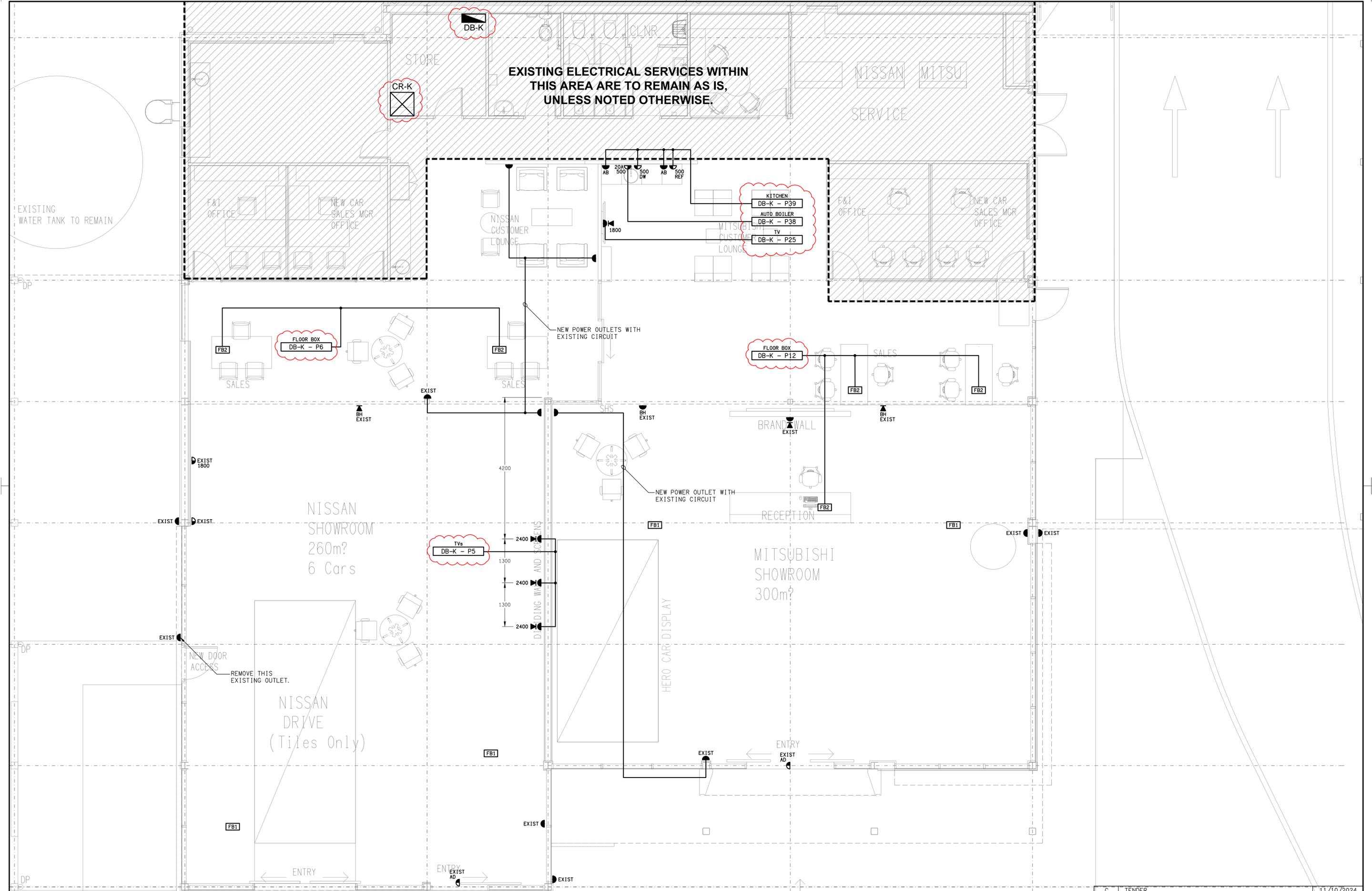
PROJECT:
MOTORAMA - HILLCREST NISSAN

74 ANZAC AVENUE, HILLCREST

C	TENDER	11/10/2024
REV:	DESCRIPTION:	DATE:

DRAWING:
ELECTRICAL SERVICES
 SITE PLAN & ELEVATION

SCALE: AS SHOWN	AT A1	PROJECT NO: C3316a	DRAWING NO: E02	REVISION: C
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EXISTING ELECTRICAL SERVICES WITHIN THIS AREA ARE TO REMAIN AS IS, UNLESS NOTED OTHERWISE.

EXISTING WATER TANK TO REMAIN

NISSAN SHOWROOM
260m²
6 Cars

MITSUBISHI SHOWROOM
300m²

NISSAN DRIVE
(Tiles Only)

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PROJECT:
MOTORAMA - HILLCREST NISSAN

74 ANZAC AVENUE, HILLCREST

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DRAWING:
ELECTRICAL SERVICES FLOOR PLAN

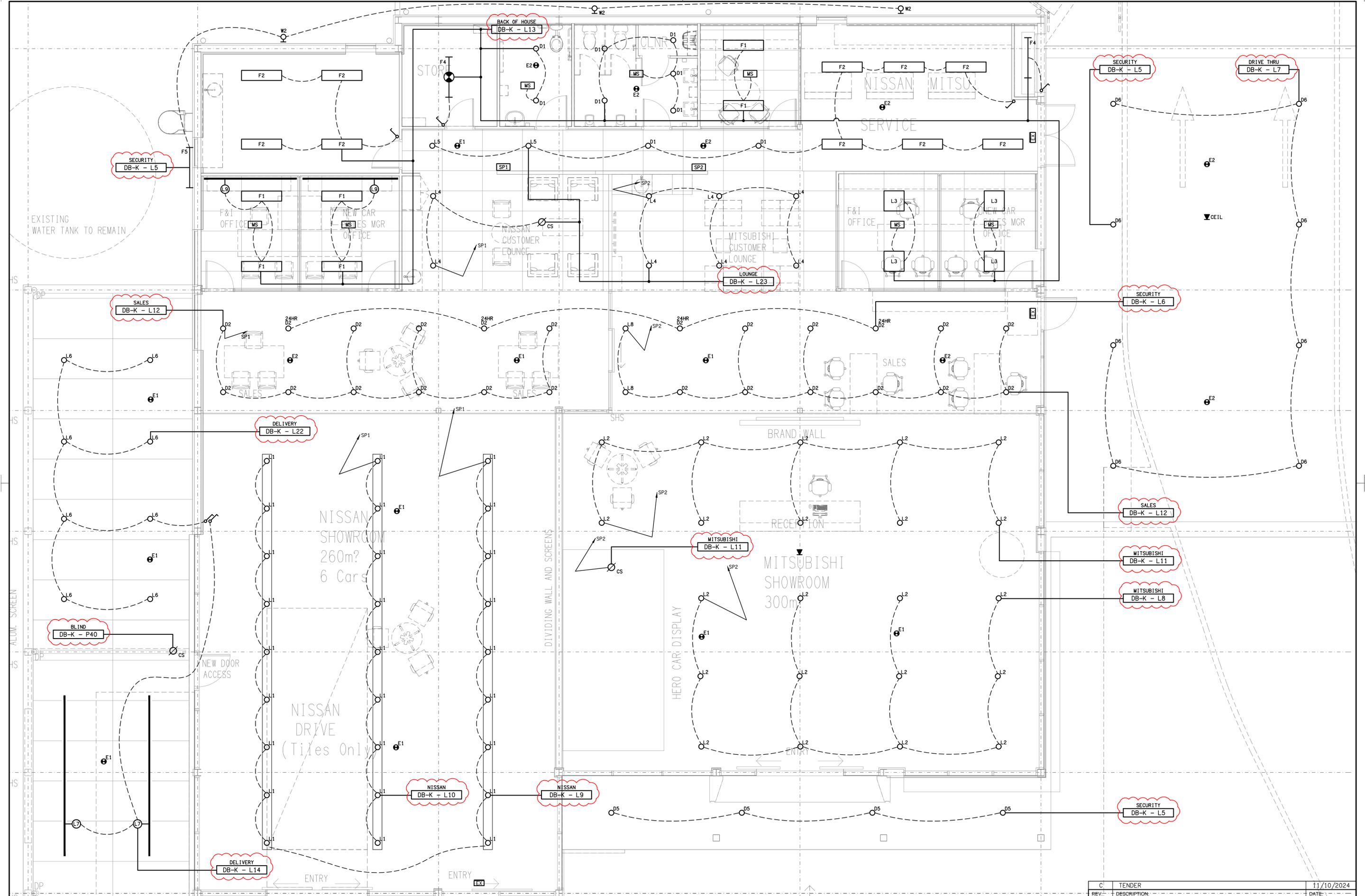
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AT A1

PROJECT NO:
C3316a

DRAWING NO:
E03

REVISION:
C



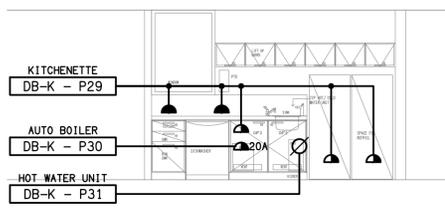
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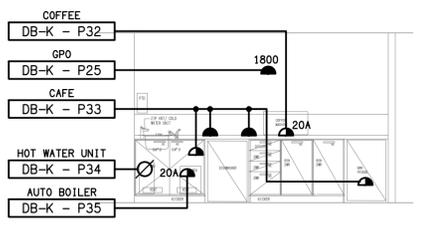
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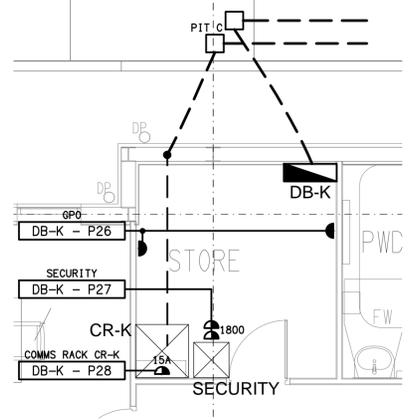
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REV.	DESCRIPTION	DATE
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SCALE: 1:50	PROJECT NO: C3316a	DRAWING NO: E04
AT A1	REVISION: C	



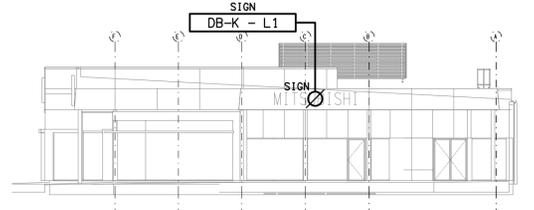
DETAIL A
TRAINING KITCHENETTE ELEVATION
SCALE 1: 50



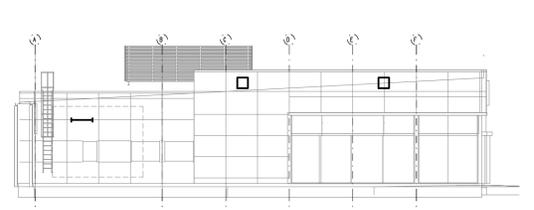
DETAIL B
CUSTOMER CAFE ELEVATION
SCALE 1: 50



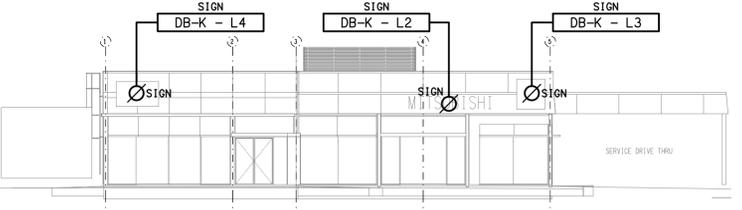
DETAIL C
COMMUNICATIONS ROOM
SCALE 1: 50



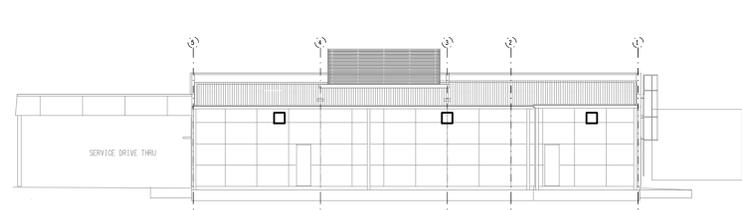
NORTH ELEVATION
EXTERNAL VIEW
SCALE 1: 200



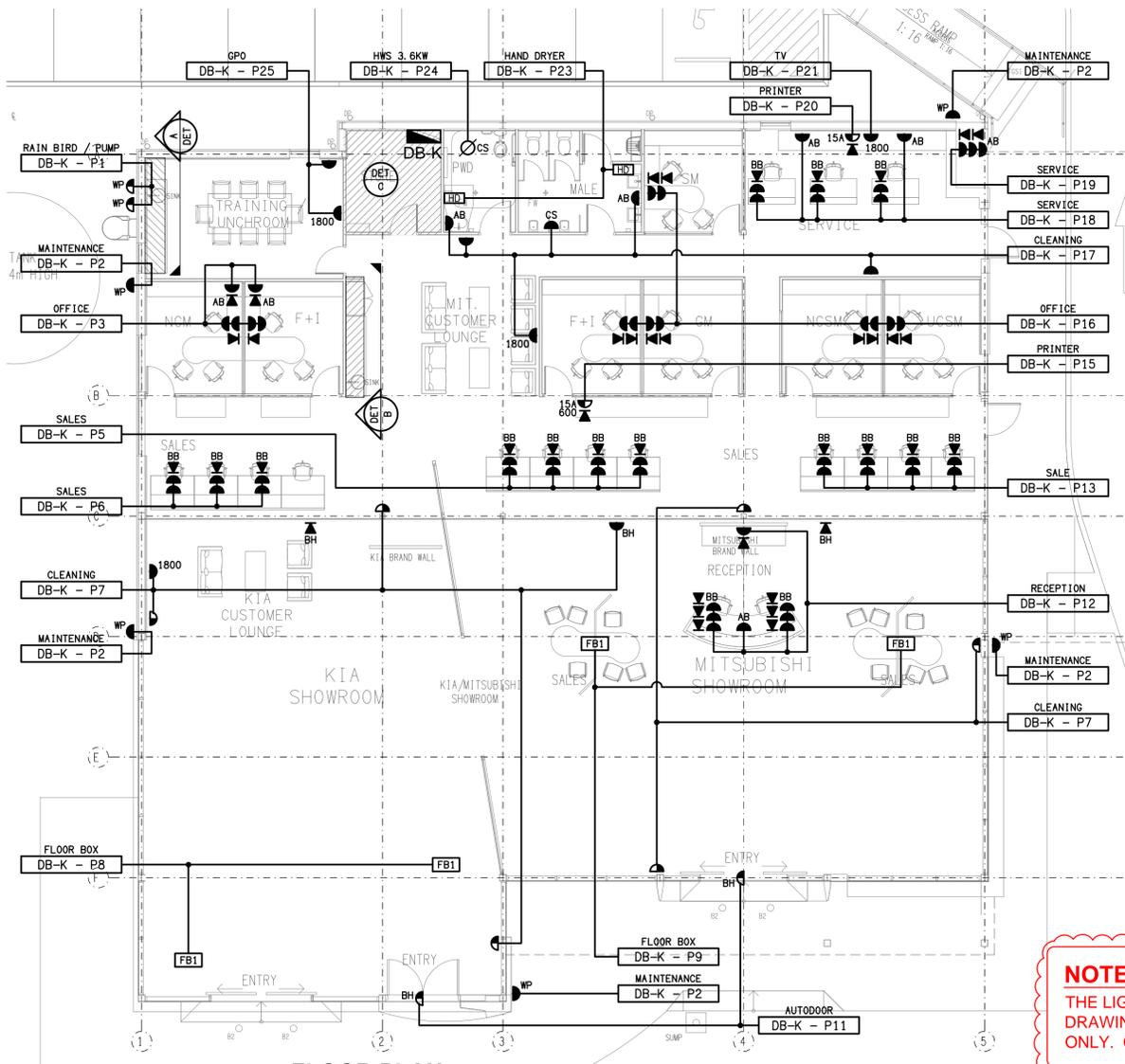
SOUTH ELEVATION
EXTERNAL VIEW
SCALE 1: 200



EAST ELEVATION
EXTERNAL VIEW
SCALE 1: 200

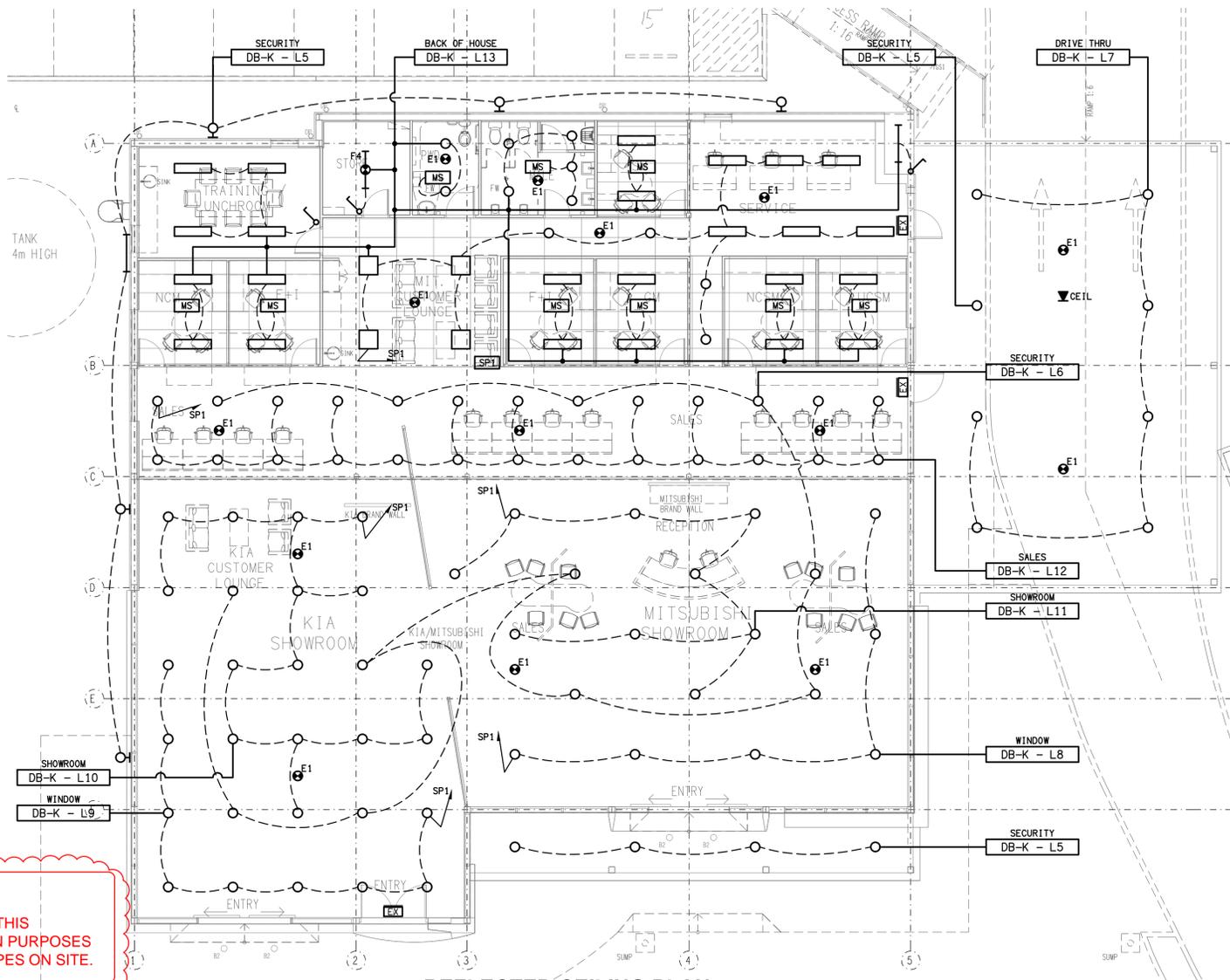


WEST ELEVATION
EXTERNAL VIEW
SCALE 1: 200



FLOOR PLAN
KIA / MITSUBISHI SHOWROOM
SCALE 1: 100

NOTE:
THE LIGHT FITTINGS SHOWN ON THIS DRAWING ARE FOR INFORMATION PURPOSES ONLY. CONFIRM THE FITTING TYPES ON SITE.



REFLECTED CEILING PLAN
KIA / MITSUBISHI SHOWROOM
SCALE 1: 100

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PROJECT:
MOTORAMA - HILLCREST NISSAN
74 ANZAC AVENUE, HILLCREST

B	TENDER	10/10/2024
REV.	DESCRIPTION:	DATE:
DRAWING: ELECTRICAL SERVICES EXISTING PLANS		
SCALE: 1:100 UNO	AT A1	PROJECT NO: C3316a
		DRAWING NO: E05
		REVISION: B