

EXISTING EXTERNAL LIGHTING GOOSENECK TYPE TO BE RETROFITTED WITH LED (TYPICAL)



FACADE - MAIN & SECONDARY ENTRANCE (TYMPANUM, WINDOWS, CORNICES GROUND & FIRST LEVEL)
 LUMINAIRE TYPE: LED STRIP LIGHT / IN-GROUND LUMINAIRE
 MOUNTING: SURFACE (HIDDEN) / IN-GROUND DIRECTED TOWARDS THE BUILDING WALL
 COLOUR TEMPERATURE: 2700K
 ILLUMINANCE TARGET: -
 LIGHT CONTROL: MANUAL SWITCH/PE.CELL

FACADE - COLUMN
 LUMINAIRE TYPE: IN-GROUND LUMINAIRE
 MOUNTING: UNDER HAND RAIL / IN-GROUND DIRECTED TOWARDS THE BUILDING
 LAMP: LED
 COLOUR TEMPERATURE: 2700K
 ILLUMINANCE TARGET: -
 LIGHT CONTROL: MANUAL SWITCH/PE.CELL

FACADE - BACK ENTRANCE (TYMPANUM, WINDOWS, CORNICES GROUND)
 LUMINAIRE TYPE: LED STRIP LIGHT / IN-GROUND LUMINAIRE
 MOUNTING: SURFACE (HIDDEN)
 COLOUR TEMPERATURE: 2700K
 ILLUMINANCE TARGET: -
 LIGHT CONTROL: MANUAL SWITCH/PE.CELL

EXTERNAL LIGHTING PLAN

12581717 GHD-CME-EL-ESK-100



ARTERRA DESIGN PTY LTD ABN 40 069 552 610
 SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121
 P 02 9957 2466 F 02 9957 3977 W ARTERRA.COM.AU

REVISION	DESCRIPTION	CHKD	DATE

PROJECT & CLIENT
RNE - Chief Mechanical Engineers Building
 Transport for NSW

Project No : 22.15
 Designed : DSO/RWS
 Drawn : DSO/RWS
 North
 Scale :

DRAWING NUMBER
ELECTRICAL - SITE LIGHTING LAYOUT
 A

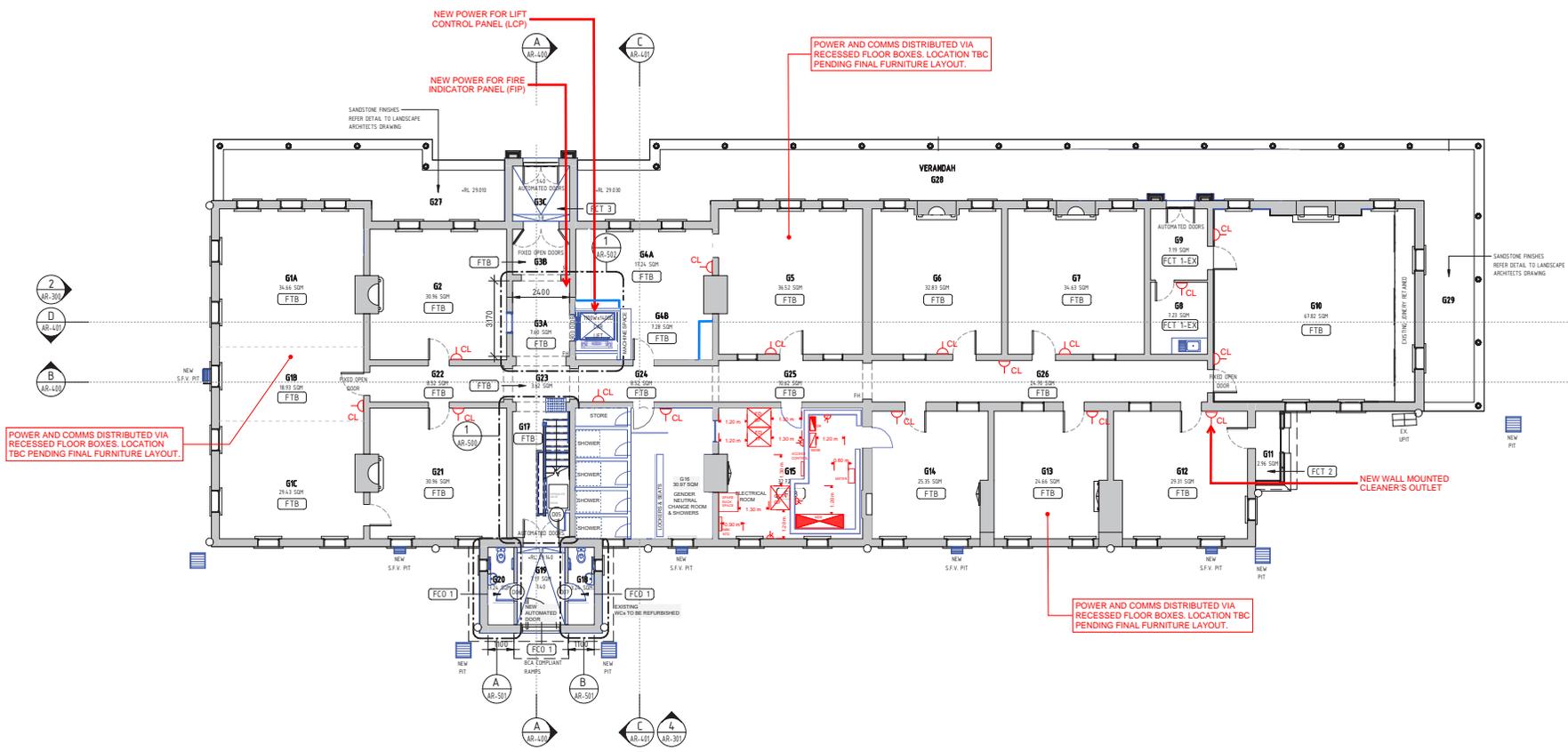
Plotted at : 4:00 pm 10/10/2022



- LEGEND**
- DEMOLISH
 - PROPOSED
 - EXISTING WALL
 - PROPOSED WALL

- LEGEND FLOOR FINISHES**
REFER DETAIL TO ROOM BY ROOM SCHEDULE
- FTB FLOOR TIMBER BOARDS (REFER DETAIL TO ROOM BY ROOM SCHEDULE)
 - FCT FLOOR CERAMIC TILES (REFER DETAIL TO ROOM BY ROOM SCHEDULE)
 - FCT 1 MONOCOTTURA TILES (REFER DETAIL TO ROOM BY ROOM SCHEDULE)
 - FCT 2 TERRACOTTA TILES (REFER DETAIL TO ROOM BY ROOM SCHEDULE)
 - FCT 3 BCA COMPLIANT RAMPS (REFER DETAIL TO ROOM BY ROOM SCHEDULE)
 - FCT 1-EX EXISTING TESSELLATED TILES (REFER DETAIL TO ROOM BY ROOM SCHEDULE)
 - FCO FLOOR CONCRETE (REFER DETAIL TO ROOM BY ROOM SCHEDULE)
 - FCT 1 RAISED CONCRETE FLOOR WITH NEW TILES (REFER DETAIL TO ROOM BY ROOM SCHEDULE)

- LEGEND:**
- DB DISTRIBUTION BOARD
 - ⏏ SINGLE 10A SOCKET OUTLET
 - ⏏⏏ DOUBLE 10A SOCKET OUTLET



1
POWER AND COMMS LAYOUT
GROUND FLOOR PLAN
SCALE 1 : 100

NOTE
TO BE READ IN CONJUNCTION WITH
ROOM BY ROOM SCHEDULE

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

REV	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
A	ISSUE FOR PRELIMINARY DESIGN	E.P./20/07/22	E.P./20/07/22	D.C./20/07/22

CO-ORDINATE SYSTEM: HEIGHT DATUM: SCALE: 1:100



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CCG ARCHITECTS
REGISTERED ARCHITECTS
DAVID COOK (0688) / HISHAM MOOR (0678)
CCG ARCHITECTS ARCHITECTURE

DRAWN	MUNKONG	20/07/22
DESIGNED	ERIC PARK	20/07/22
DRG CHECK	ERIC PARK	20/07/22
DESIGN CHECK	DAVID COOK	20/07/22
APPROVED	DAVID COOK	20/07/22

IN-PROGRESS

CHIEF MECHANICAL ENGINEER'S BUILDING
505 WILSON STREET EVELEIGH

ELECTRICAL
PHUPUSUJ IGHUJUNU HLOUH PLAN - POWER AND COMMS LAYOUT

FILE No: **12581717**
STATUS: PRELIMINARY DESIGN
DRG No: **GHD-CME-EL-ESK-201**

SHEET: 1	OF 1	AT
REV: B	VER	EDMS No.
		AMD No.

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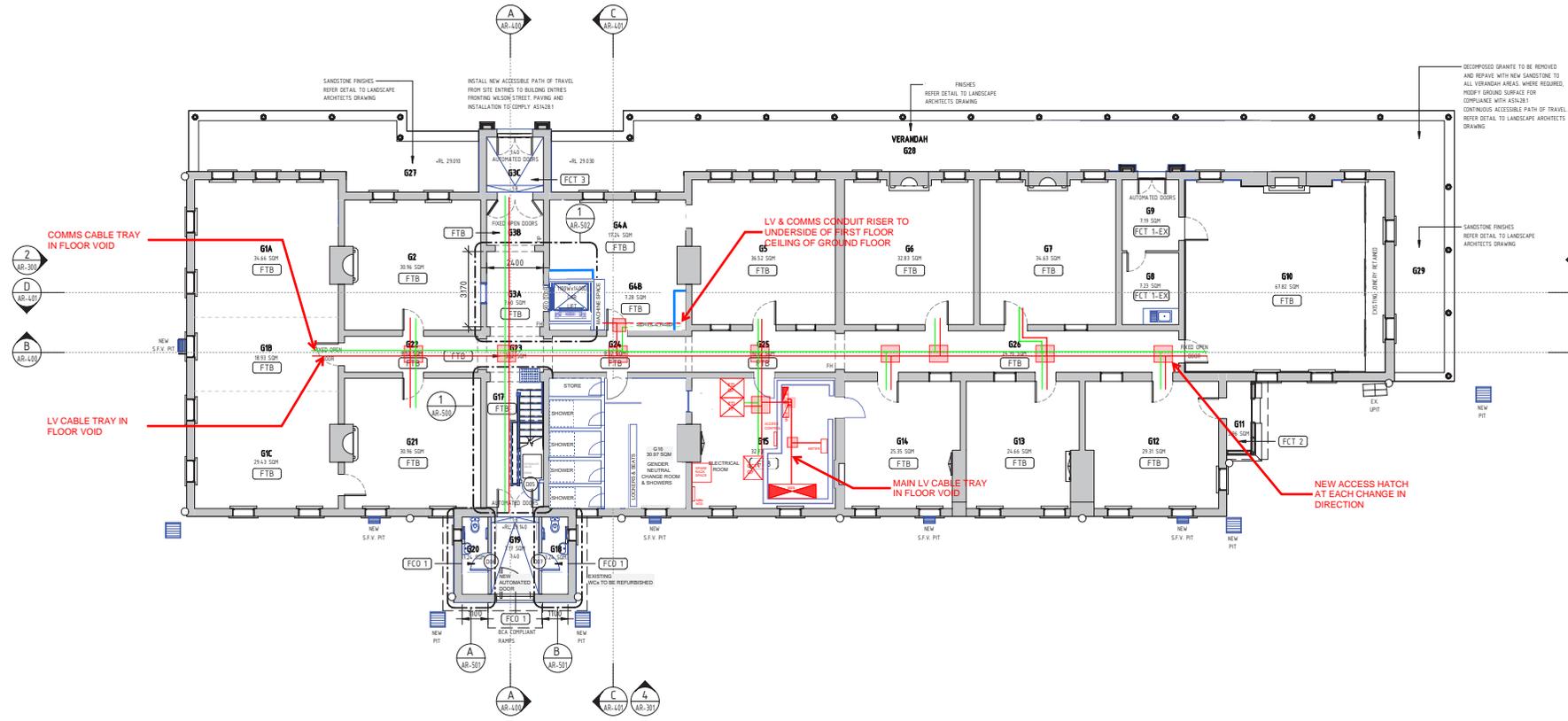
File Path: C:\Users\JAA\B2\Documents\CHEE MECHANICAL ENGINEERS BUILDING - RVT1 - Copy1.dwg (2022) 10/11/2022 1:46:33 AM Pld Date & Time



- LEGEND**
- DEMOLISH
 - PROPOSED
 - EXISTING WALL
 - PROPOSED WALL

- LEGEND FLOOR FINISHES**
REFER DETAIL TO ROOM BY ROOM SCHEDULE
- FTB FLOOR TIMBER BOARDS (REFER DETAIL TO ROOM BY ROOM SCHEDULE)
 - FCT FLOOR CERAMIC TILES (REFER DETAIL TO ROOM BY ROOM SCHEDULE)
 - FCT 1 MONOCOTTURA TILES (REFER DETAIL TO ROOM BY ROOM SCHEDULE)
 - FCT 2 TERRACOTTA TILES (REFER DETAIL TO ROOM BY ROOM SCHEDULE)
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 - FCT 1-EX BCA COMPLIANT RAMPS (REFER DETAIL TO ROOM BY ROOM SCHEDULE)
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 - FCO FLOOR CONCRETE (REFER DETAIL TO ROOM BY ROOM SCHEDULE)
 - FCO 1 RAISED CONCRETE FLOOR WITH NEW TILES (REFER DETAIL TO ROOM BY ROOM SCHEDULE)

- LEGEND:**
- DB DISTRIBUTION BOARD
 - SO SINGLE 10A SOCKET OUTLET
 - DO DOUBLE 10A SOCKET OUTLET
 - CC COMMUNICATION CABLE TRAY
 - LV LV CABLE TRAY
 - AH ACCESS HATCH
 - MS MAIN SWITCHBOARD
 - CR COMMUNICATION RACK



1
CONTAINMENT LAYOUT
GROUND FLOOR PLAN
SCALE 1 : 100

NOTE
TO BE READ IN CONJUNCTION WITH
ROOM BY ROOM SCHEDULE

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR



REV	DESCRIPTION	E.P. 20/07/22	E.P. 20/07/22	D.C. 20/07/22
A	ISSUE FOR PRELIMINARY DESIGN			

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IN-PROGRESS

DRAWN	MUNKONG	20/07/22
DESIGNED	ERIC PARK	20/07/22
DRG CHECK	ERIC PARK	20/07/22
DESIGN CHECK	DAVID COOK	20/07/22
APPROVED	DAVID COOK	20/07/22

CHIEF MECHANICAL ENGINEER'S BUILDING
505 WILSON STREET EVELEIGH

ELECTRICAL
PROPOSED GROUND FLOOR PLAN - CONTAINMENT LAYOUT

FILE No: 12581717 SHEET: 1 OF 1 AT

STATUS: PRELIMINARY DESIGN

DRG No: GHD-CME-EL-ESK-202 REV: B VER: EDMS No. AMD No.

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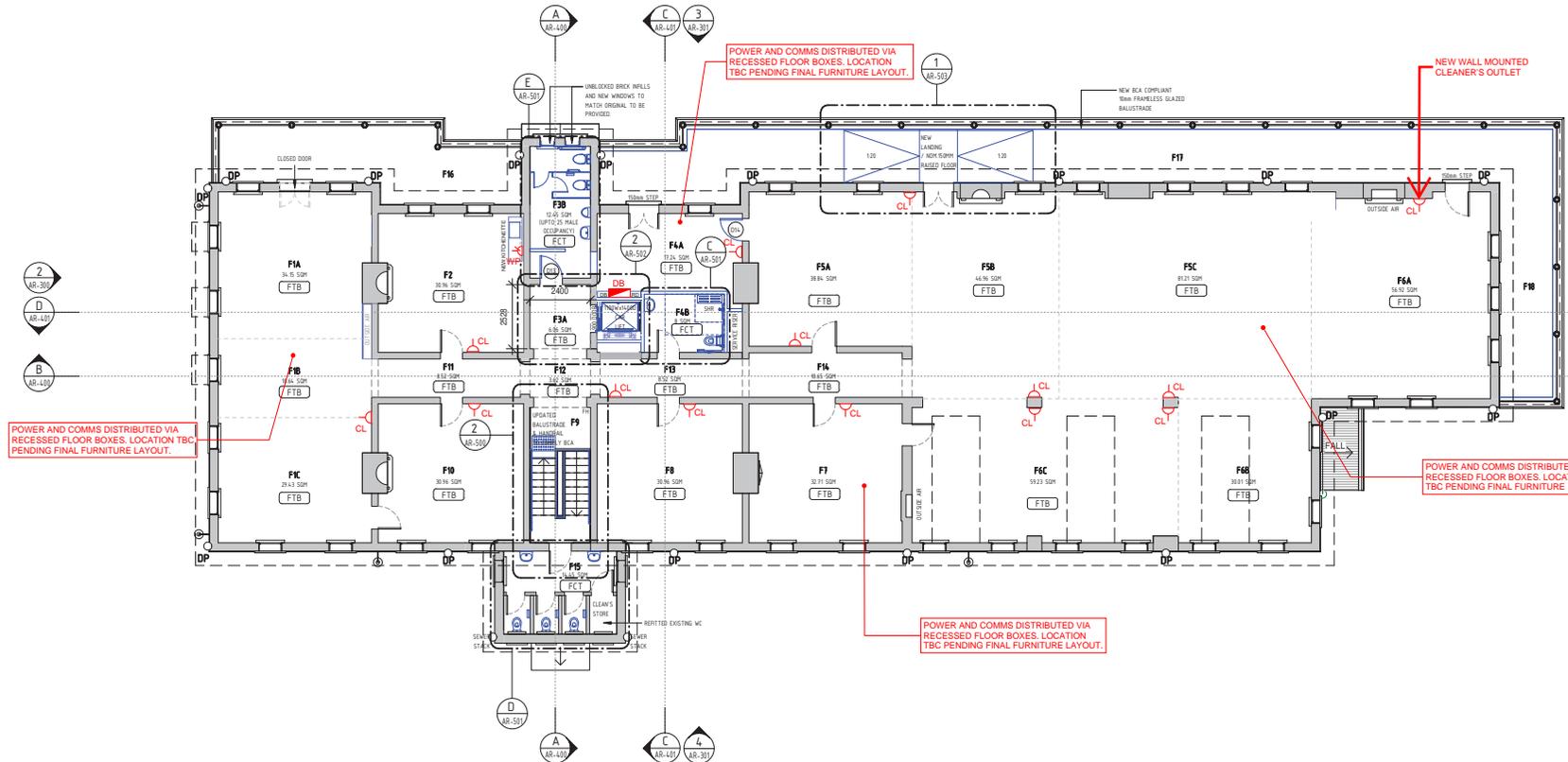
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 Plot Date & Time: 10/11/2022 1:46:33 AM



- LEGEND**
- DEMOLISH
 - PROPOSED
 - EXISTING WALL
 - PROPOSED WALL

- LEGEND FLOOR FINISHES**
REFER DETAIL TO ROOM BY ROOM SCHEDULE
- FTB FLOOR TIMBER BOARDS (REFER DETAIL TO ROOM BY ROOM SCHEDULE)
 - FCT FLOOR CERAMIC TILES (REFER DETAIL TO ROOM BY ROOM SCHEDULE)
 - FCT-1 MONOCOTTURA TILES (REFER DETAIL TO ROOM BY ROOM SCHEDULE)

- LEGEND:**
- DB DISTRIBUTION BOARD
 - ⏏ SINGLE 10A SOCKET OUTLET
 - ⏏⏏ DOUBLE 10A SOCKET OUTLET



POWER AND COMMS DISTRIBUTED VIA RECESSED FLOOR BOXES. LOCATION TBC PENDING FINAL FURNITURE LAYOUT.

POWER AND COMMS DISTRIBUTED VIA RECESSED FLOOR BOXES. LOCATION TBC PENDING FINAL FURNITURE LAYOUT.

NEW WALL MOUNTED CLEANER'S OUTLET

POWER AND COMMS DISTRIBUTED VIA RECESSED FLOOR BOXES. LOCATION TBC PENDING FINAL FURNITURE LAYOUT.

POWER AND COMMS DISTRIBUTED VIA RECESSED FLOOR BOXES. LOCATION TBC PENDING FINAL FURNITURE LAYOUT.

1 POWER & COMMS LAYOUT
FIRST FLOOR PLAN
SCALE 1 : 100

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

NOTE
TO BE READ IN CONJUNCTION WITH ROOM BY ROOM SCHEDULE



REV	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
A	ISSUE FOR PRELIMINARY DESIGN	E.P. 20/07/22	E.P. 20/07/22	D.C. 20/07/22

CO-ORDINATE SYSTEM: HEIGHT DATUM: SCALE: 1:100



CCG ARCHITECTS
DAVID COOK (0888) / HISHAM MOOR (0878)
CCG ARCHITECTS ARCHITECTURE

DESIGNED BY: MUNKONG 20/07/22
 DESIGNED BY: ERIC PARK 20/07/22
 DRG CHECK: ERIC PARK 20/07/22
 DESIGN CHECK: ERIC PARK 20/07/22
 APPROVED: DAVID COOK 20/07/22

IN-PROGRESS

CHIEF MECHANICAL ENGINEER'S BUILDING
505 WILSON STREET EVELEIGH

ELECTRICAL
PROPOSED FIRST FLOOR PLAN - POWER AND COMMS LAYOUT

FILE No: **12581717** SHEET: 1 OF 1 AT
 STATUS: PRELIMINARY DESIGN
 DRG No: **GHD-CME-EL-ESK-203**

REV: A VER: EDMS No. AMD No.

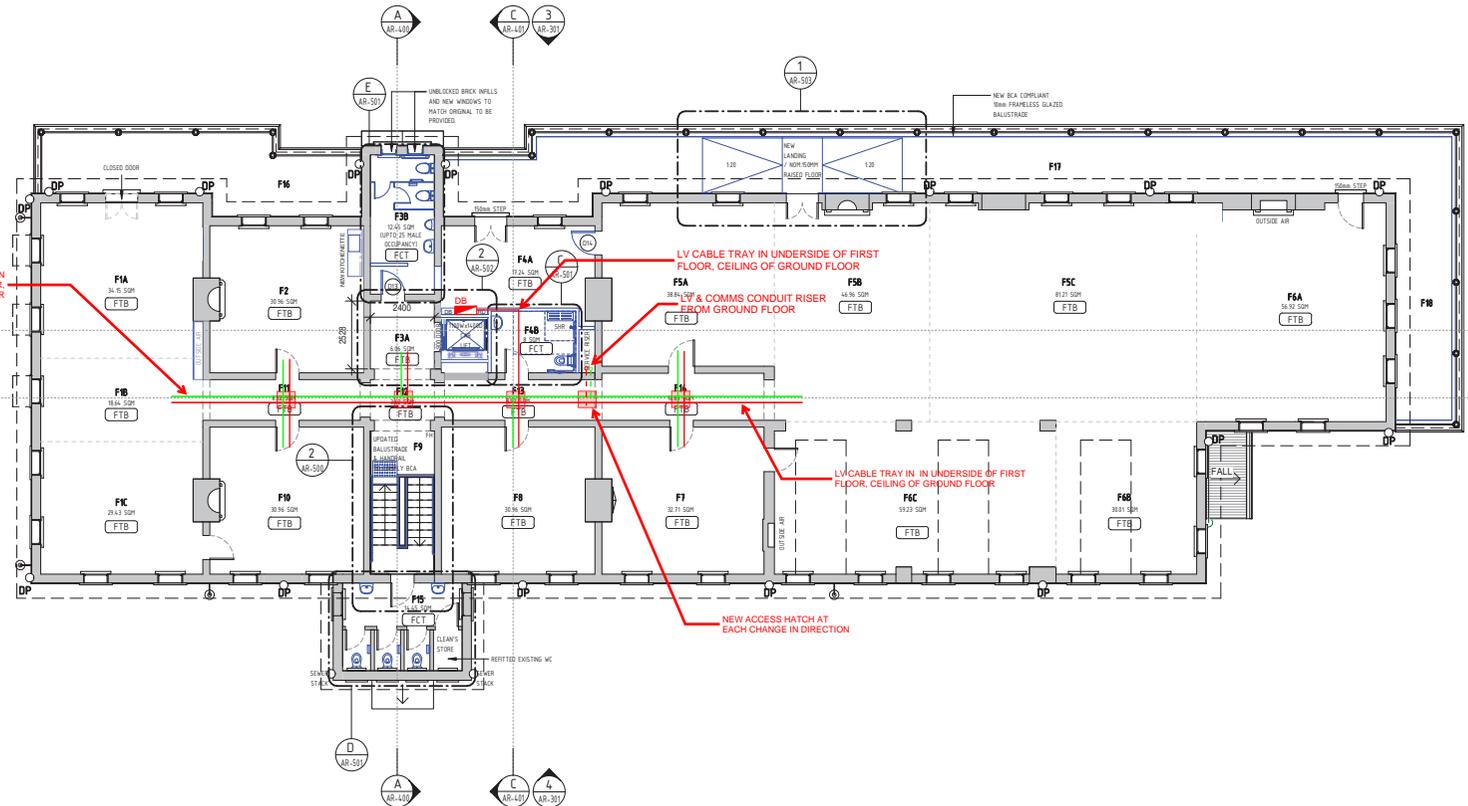
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 Plot Date & Time: 10/11/2022 1:40:40 AM
 08/11/2024



- LEGEND**
- DEMOLISH
 - PROPOSED
 - EXISTING WALL
 - PROPOSED WALL

- LEGEND FLOOR FINISHES**
REFER DETAIL TO ROOM BY ROOM SCHEDULE
- FTB FLOOR TIMBER BOARDS (REFER DETAIL TO ROOM BY ROOM SCHEDULE)
 - FCT FLOOR CERAMIC TILES (REFER DETAIL TO ROOM BY ROOM SCHEDULE)
 - FCT 1 MONOCOTTURA TILES (REFER DETAIL TO ROOM BY ROOM SCHEDULE)

- LEGEND:**
- DB DISTRIBUTION BOARD
 - SINGLE 10A SOCKET OUTLET
 - DOUBLE 10A SOCKET OUTLET
 - COMMUNICATION CABLE TRAY
 - LV CABLE TRAY
 - ACCESS HATCH



1
CONTAINMENT LAYOUT
FIRST FLOOR PLAN
SCALE 1 : 100

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NOTE
TO BE READ IN CONJUNCTION WITH
ROOM BY ROOM SCHEDULE



REV	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE
A	ISSUE FOR PRELIMINARY DESIGN	E.P. 20/07/22	E.P. 20/07/22	D.C. 20/07/22

CO-ORDINATE SYSTEM: HEIGHT DATUM: SCALE: 1:100



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CCG ARCHITECTS
DAVID COOK (0888) / HISHAM MOOR (0878)
CCG ARCHITECTS ARCHITECTURE

DRAWN	MUNKONG	20/07/22
DESIGNED	ERIC PARK	20/07/22
DRG CHECK	ERIC PARK	20/07/22
DESIGN CHECK	DAVID COOK	20/07/22
APPROVED	DAVID COOK	20/07/22

IN-PROGRESS

CHIEF MECHANICAL ENGINEER'S BUILDING
505 WILSON STREET EVELEIGH

ELECTRICAL
PROPOSED FIRST FLOOR PLAN - CONTAINMENT LAYOUT

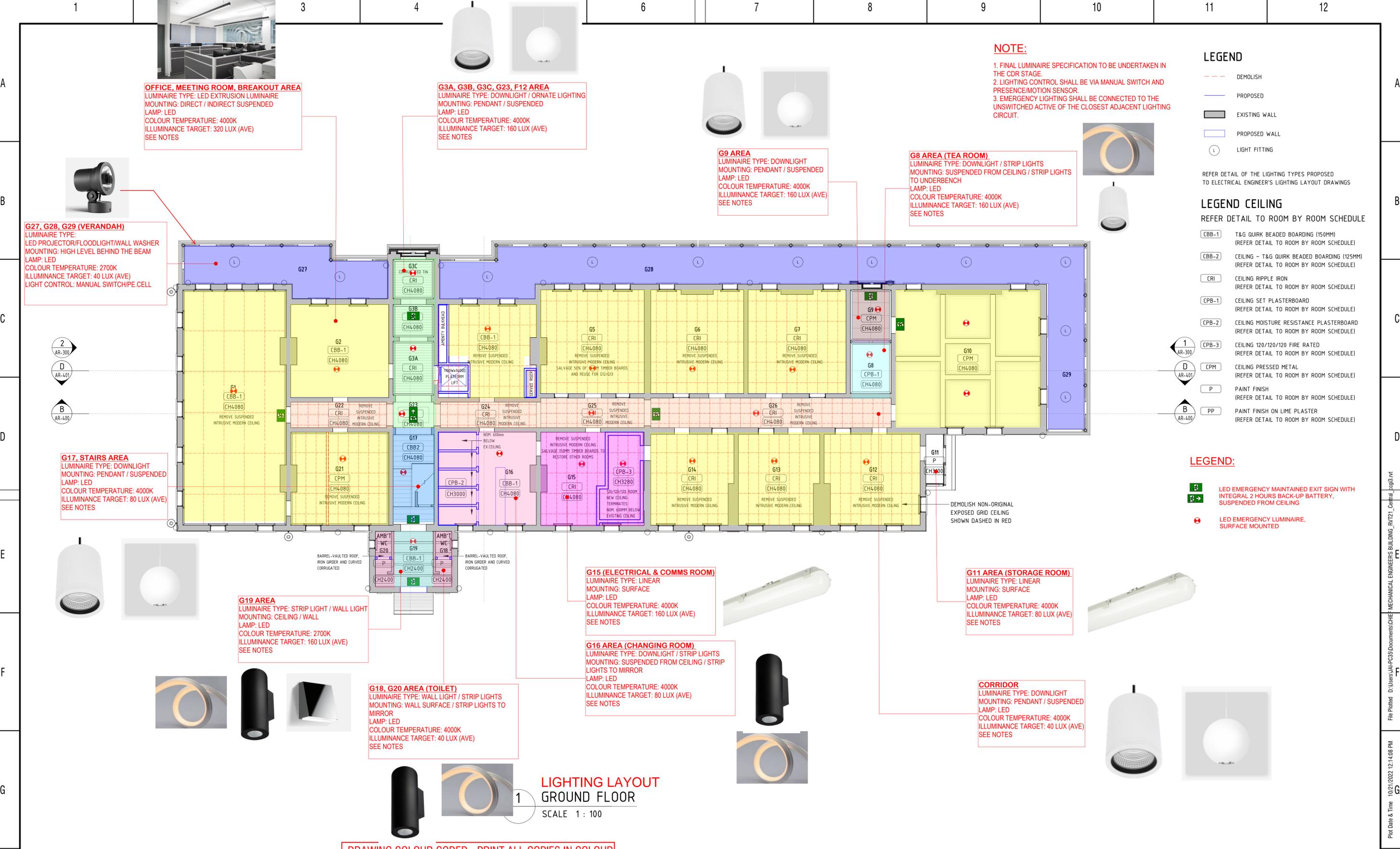
FILE No: **12581717** SHEET: 1 OF 1 AT

STATUS: PRELIMINARY DESIGN

DRG No: **GHD-CME-EL-ESK-204** REV: A VER: EDMS No. AMD No.

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Plot Date & Time: 10/11/2022 1:40:40 AM



1 LIGHTING LAYOUT GROUND FLOOR
 SCALE 1 : 100

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR



CO-ORDINATE SYSTEM:		HEIGHT DATUM:		SCALE: 1:100	
A		ISSUE FOR PRELIMINARY DESIGN	E.P./20/07/22	E.P./20/07/22	D.C./20/07/22
REV	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE	



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CCG ARCHITECTS
 NOMINATED ARCHITECTS:
 DAVID COOK (5678) / HIRSHAM MODRI (5678)
 CCG ARCHITECTS ARCHITECTURE

DRAWN: MUNKONG 20/07/22
 DESIGNED: ERIC PARK 20/07/22
 DRG CHECK: ERIC PARK 20/07/22
 DESIGN CHECK: DAVID COOK 20/07/22
 APPROVED: DAVID COOK 20/07/22

WORK IN PROGRESS

CHIEF MECHANICAL ENGINEER'S BUILDING
 505 WILSON STREET EVELEIGH

ELECTRICAL GROUND FLOOR - LIGHTING LAYOUT

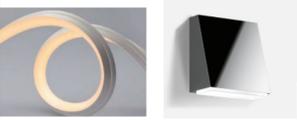
FILE No. 12581717 SHEET: 1 OF 1 A1
 STATUS: PRELIMINARY DESIGN
 DRG No. GHD-CME-EL-ESK-205

REV B VER EDMS No. AMD No.

MALE WC / ACCESSIBLE (F3B,F4B)
 LUMINAIRE TYPE: WALL LIGHT / STRIP LIGHTS
 MOUNTING: WALL SURFACE / STRIP LIGHTS TO MIRROR
 LAMP: LED
 COLOUR TEMPERATURE: 4000K
 ILLUMINANCE TARGET: 40 LUX (AVE)
 SEE NOTES



OFFICE, MEETING ROOM, BREAKOUT AREA
 LUMINAIRE TYPE: LED EXTRUSION LUMINAIRE
 MOUNTING: DIRECT / INDIRECT SUSPENDED
 LAMP: LED
 COLOUR TEMPERATURE: 4000K
 ILLUMINANCE TARGET: 320 LUX (AVE)
 SEE NOTES



F3A, LIFT LOBBY
 LUMINAIRE TYPE: WALL LIGHT / STRIP LIGHTS
 MOUNTING: WALL SURFACE / STRIP LIGHTS
 LAMP: LED
 COLOUR TEMPERATURE: 4000K
 ILLUMINANCE TARGET: 160 LUX (AVE)
 SEE NOTES

F9, STAIRS AREA
 LUMINAIRE TYPE: DOWNLIGHT
 MOUNTING: PENDANT / SUSPENDED
 LAMP: LED
 COLOUR TEMPERATURE: 4000K
 ILLUMINANCE TARGET: 80 LUX (AVE)
 SEE NOTES



FEMALE WC (F15)
 LUMINAIRE TYPE: DOWNLIGHT / STRIP LIGHTS
 MOUNTING: SUSPENDED FROM CILING / STRIP LIGHTS TO MIRROR
 LAMP: LED
 COLOUR TEMPERATURE: 4000K
 ILLUMINANCE TARGET: 40 LUX (AVE)
 SEE NOTES



CORRIDOR (F11,F13,F14)
 LUMINAIRE TYPE: DOWNLIGHT
 MOUNTING: PENDANT / SUSPENDED
 LAMP: LED
 COLOUR TEMPERATURE: 4000K
 ILLUMINANCE TARGET: 40 LUX (AVE)
 SEE NOTES



F16,F17,F18 (VERANDAH)
 LUMINAIRE TYPE: LED PROJECTOR/FLOODLIGHT/WALL WASHER
 MOUNTING: HIGH LEVEL BEHIND THE BEAM
 LAMP: LED
 COLOUR TEMPERATURE: 2700K
 ILLUMINANCE TARGET: 40 LUX (AVE)
 LIGHT CONTROL: MANUAL SWITCH/PE CELL



NOTE:
 1. FINAL LUMINAIRE SPECIFICATION TO BE UNDERTAKEN IN THE CDR STAGE.
 2. LIGHTING CONTROL SHALL BE VIA MANUAL SWITCH AND PRESENCE/MOTION SENSOR.
 3. EMERGENCY LIGHTING SHALL BE CONNECTED TO THE UNSWITCHED ACTIVE OF THE CLOSEST ADJACENT LIGHTING CIRCUIT.

LEGEND

- DEMOLISH
- PROPOSED
- █ EXISTING WALL
- █ PROPOSED WALL
- LIGHT FITTING

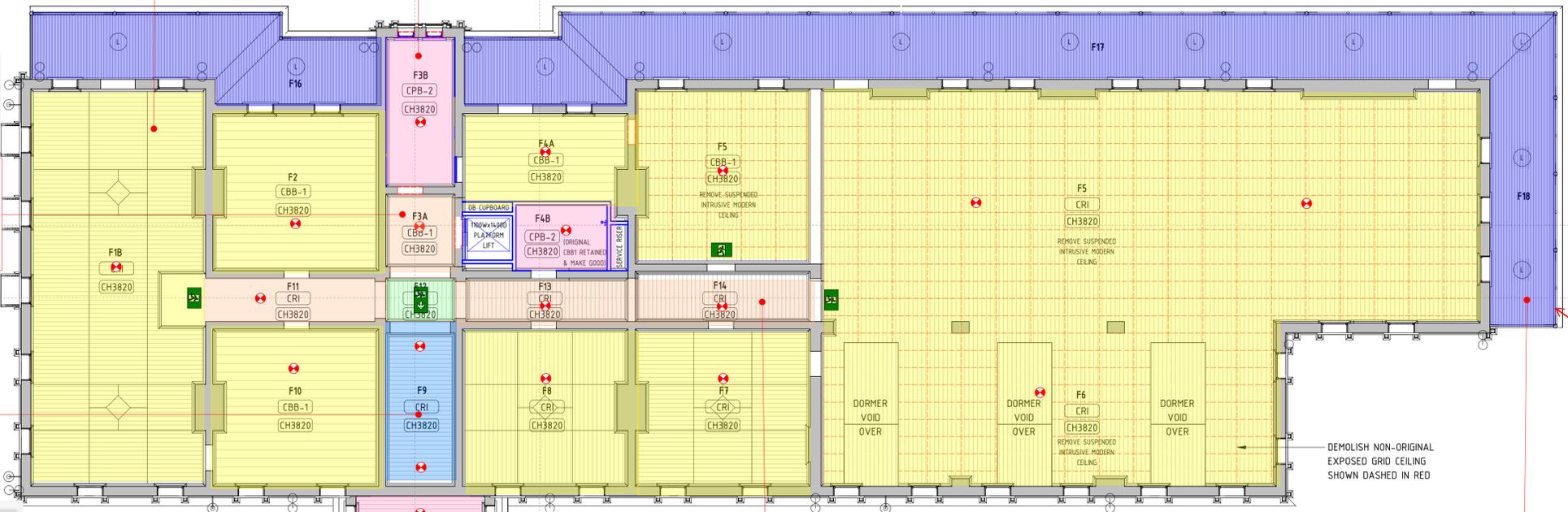
REFER DETAIL OF THE LIGHTING TYPES PROPOSED TO ELECTRICAL ENGINEER'S LIGHTING LAYOUT DRAWINGS

LEGEND CEILING
 REFER DETAIL TO ROOM BY ROOM SCHEDULE

- (CBB-1) T&G QUIRK BEADED BOARDING (150MM) (REFER DETAIL TO ROOM BY ROOM SCHEDULE)
- (CBB-2) CEILING - T&G QUIRK BEADED BOARDING (125MM) (REFER DETAIL TO ROOM BY ROOM SCHEDULE)
- (CRI) CEILING RIPPLE IRON (REFER DETAIL TO ROOM BY ROOM SCHEDULE)
- (CPB-1) CEILING SET PLASTERBOARD (REFER DETAIL TO ROOM BY ROOM SCHEDULE)
- (CPB-2) CEILING MOISTURE RESISTANCE PLASTERBOARD (REFER DETAIL TO ROOM BY ROOM SCHEDULE)
- (CPB-3) CEILING 120/120/120 FIRE RATED (REFER DETAIL TO ROOM BY ROOM SCHEDULE)
- (CPM) CEILING PRESSED METAL (REFER DETAIL TO ROOM BY ROOM SCHEDULE)
- (P) PAINT FINISH (REFER DETAIL TO ROOM BY ROOM SCHEDULE)
- (PP) PAINT FINISH ON LIME PLASTER (REFER DETAIL TO ROOM BY ROOM SCHEDULE)

LEGEND:

- EXIT SIGN: LED EMERGENCY MAINTAINED EXIT SIGN WITH INTEGRAL 2 HOURS BACK-UP BATTERY, SUSPENDED FROM CEILING
- EMERGENCY LIGHT: LED EMERGENCY LUMINAIRE, SURFACE MOUNTED



1 LIGHTING LAYOUT FIRST FLOOR
 SCALE 1 : 100

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REV	DESCRIPTION	DESIGNER SIGN./DATE	VERIFIED SIGN./DATE	APPROVED SIGN./DATE			
A	ISSUE FOR PRELIMINARY DESIGN	E.P./20/07/22	E.P./20/07/22	D.C./20/07/22			
CO-ORDINATE SYSTEM:	HEIGHT DATUM:	SCALE:	1:100				

DRAWN: MUNKONG 20/07/22
 DESIGNED: ERIC PARK 20/07/22
 DRG CHECK: ERIC PARK 20/07/22
 DESIGN CHECK: DAVID COOK 20/07/22
 APPROVED: DAVID COOK 20/07/22

WORK IN PROGRESS

CHIEF MECHANICAL ENGINEER'S BUILDING 505 WILSON STREET EVELEIGH ELECTRICAL FIRST FLOOR - LIGHTING LAYOUT FILE No. 12581717 STATUS: PRELIMINARY DESIGN DRG No. GHD-CME-EL-ESK-206				SHEET: 1 OF 1 A1
REV	VER	EDMS No.	AMD No.	
B				