



DRAWING LIST

- A00 TYPICAL COVER SHEET
- A02 EXISTING&DEMO - PLAN
- A03 PROPOSED PLAN - LAYOUT
- A04 FOUNDATION - PLAN
- A05 DETAIL - PAD FOOTING
- A06 ELECTRICAL PLAN 1
- A07 ELECTRICAL PLAN 2
- A08 PLUMBING - PLAN
- A09 DIMENSION PLAN
- A10 ROOF - PLAN
- A11 ROOF FRMG - PLAN
- A12 STEEL BOX BEAM PLAN
- A13 TIMBER BEAM PLAN
- A14 OPENING REF & SCHEDULE
- A15 ELEVATION
- A16 SECTION
- A17 LONGUTIDUNAL SECTION
- A18 DETAIL - WALL FRAMING
- A19 CONSTRUCTION SPECIFICATION

TDS

TECHNICAL DESIGN SECTION
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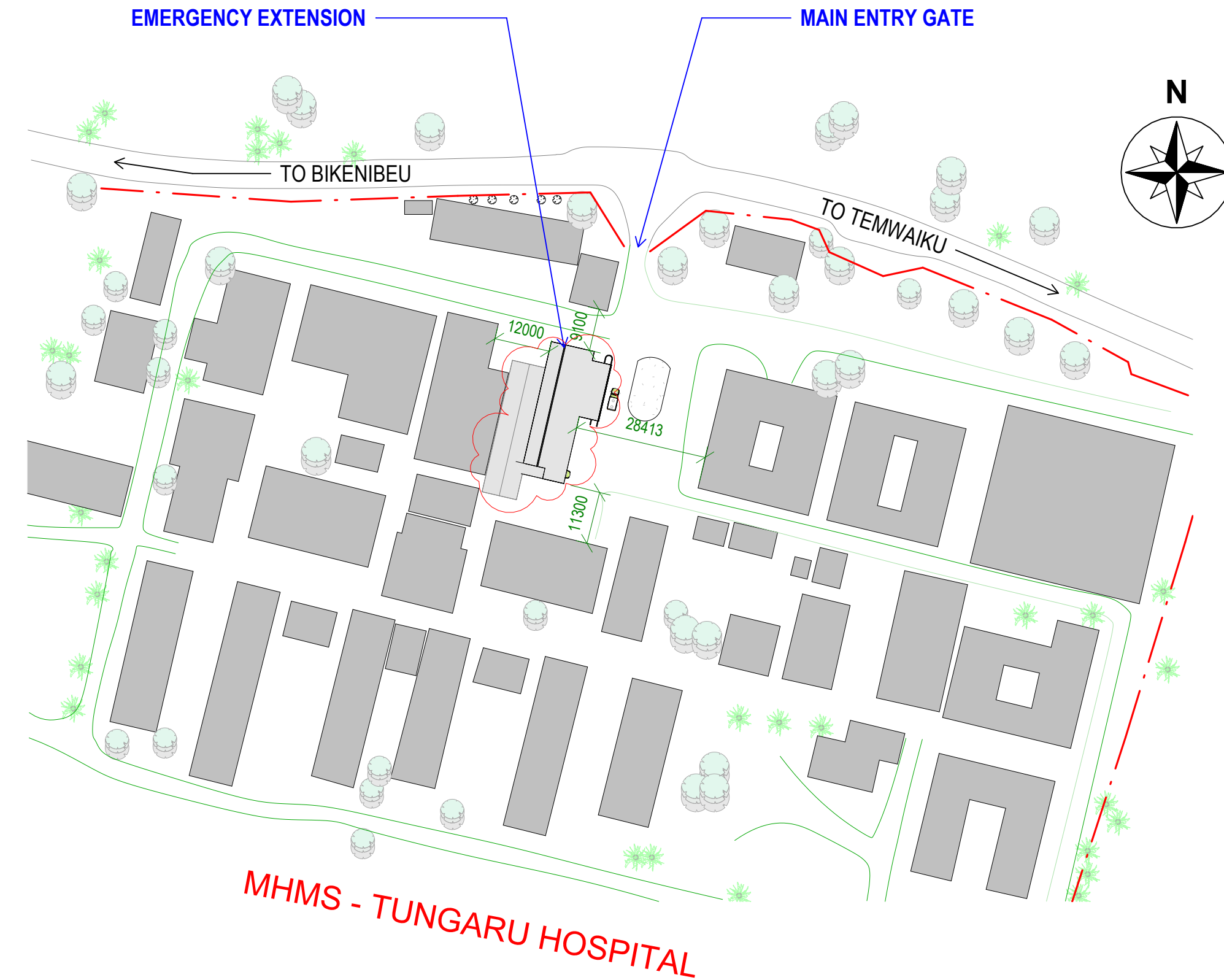
EMERGENCY EXPANSION

CLIENT: MHMS
PROJECT NO: 032202

DWG TITLE:
TYPICAL COVER
SHEET

DRAWN BY: KB
REVIEWED BY: JT
DATE: 07/11/24
SCALE:

DRAWING NUMBER: A00
ISSUE: 01



— CAR PATH

- - - MHMS FENCE BOUNDARY

■ MHMS EXISTING BUILDINGS

SITE LEGEND

Scale: 1 : 20

3 SITE LOCALITY PLAN

Scale: 1 : 1000

1 PRELIMINARY ISSUE Date 1

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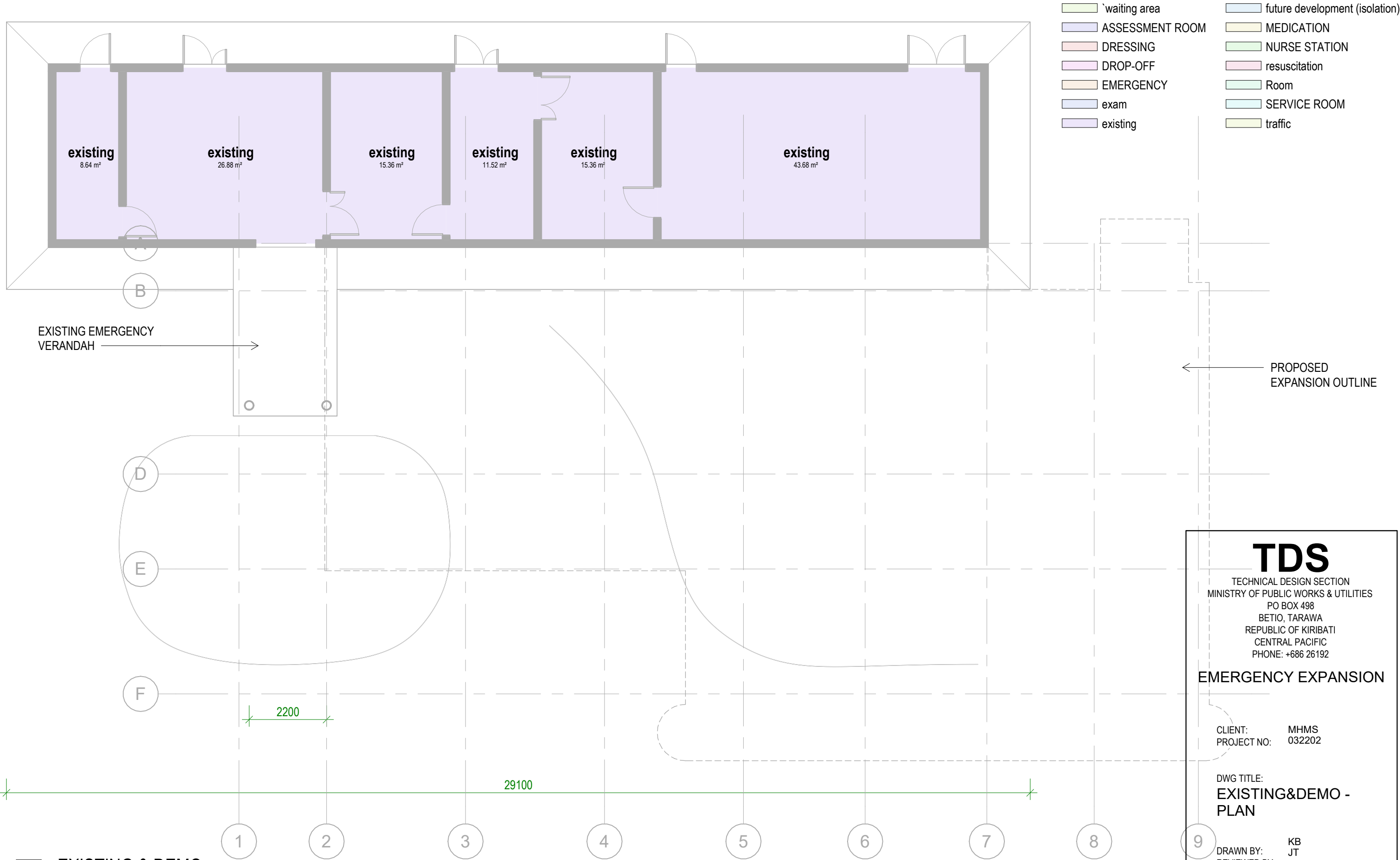
CLIENT: MHMS
PROJECT NO: 032202

DWG TITLE:
SITE - PLAN

DRAWN BY: Author
REVIEWED BY: Checker
DATE: 05/30/24
SCALE: As indicated

DRAWING NUMBER: **A01** ISSUE: **01**

C:\Users\j\ara\OneDrive - Ministry of Infrastructure & Sustainable Energy\Documents\T MISE Files\Design Tasks\MHMS Emergency Expansion\032202 MHMS EMERGENCY EXPANSION_241105.rvt 07/11/2024 4:48:44 pm



1 EXISTING & DEMO

Scale: 1 : 100

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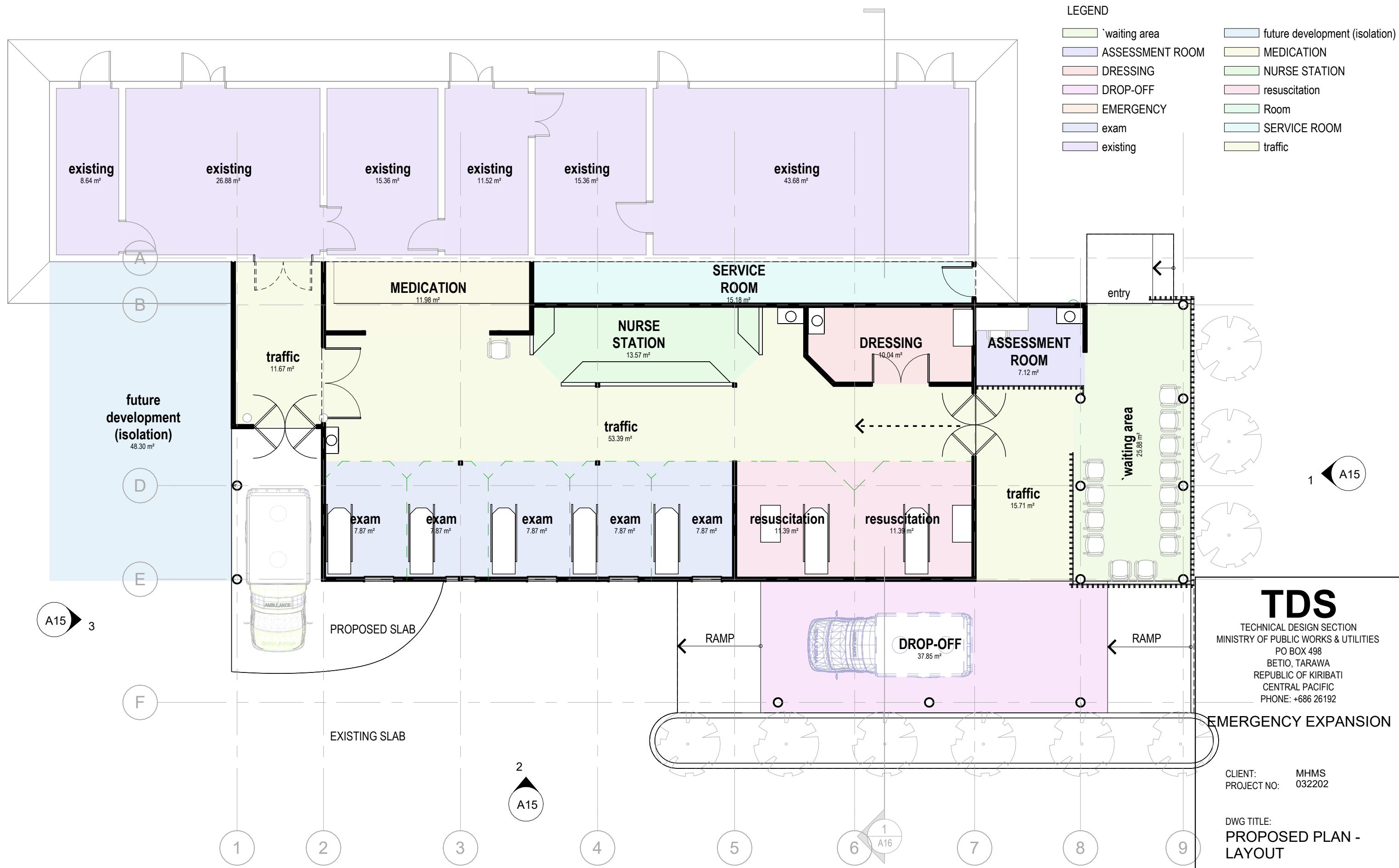
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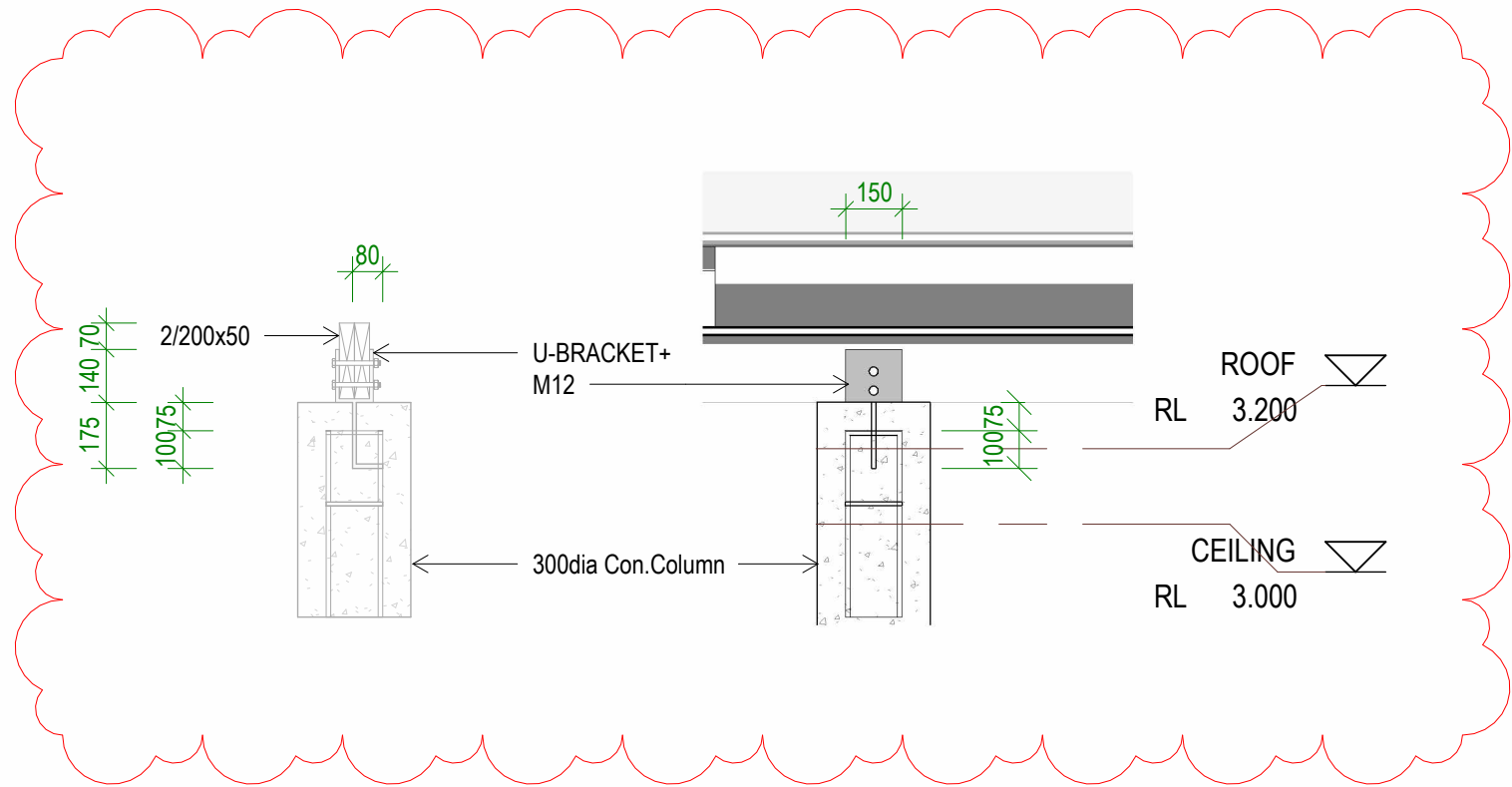
CLIENT: MHMS
PROJECT NO: 032202

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EXISTING&DEMO - PLAN

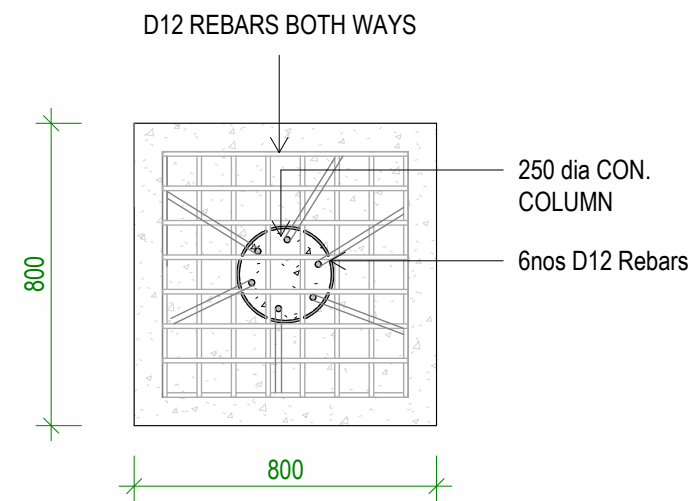
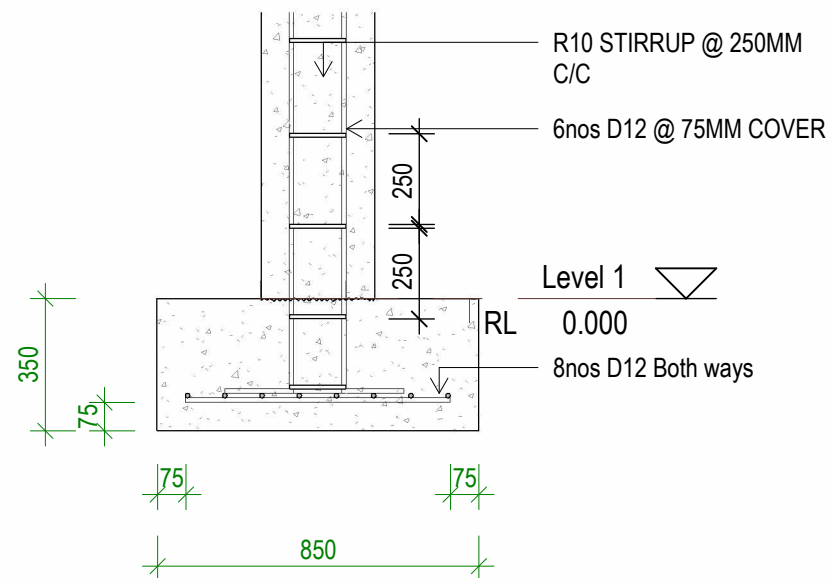
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DRAWING NUMBER: **A02**
ISSUE: **01**





1 DETAIL - PAD FOOTING SECTION
Scale: 1 : 20



2 DETAIL - PAD FOOTING PLAN
Scale: 1 : 20

1 PRELIMINARY ISSUE Date 1

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EMERGENCY EXPANSION

CLIENT: MHMS
PROJECT NO: 032202

DWG TITLE:
DETAIL - PAD FOOTING

DRAWN BY: KB
REVIEWED BY: JT
DATE: 09/04/24
SCALE: 1 : 20

DRAWING NUMBER: **A05** ISSUE: **01**

MSB

Main switch board

Double GPO

Double GPO - with weatherproof cover/protection

Selected compact ceiling light

123

Light switch single, double, triple or quairble

Earthing

Wall mounted batten light

Ceiling fan

Cable wire

Light batten 4ft

Light batten 2ft

Fan switch double or single (depends on the no. noted)

AC

Selected air conditioning unit

FIRE SAFETY

SM

Ceiling mounted mains wired smoke alarm to CODE

ABE fire extinguisher to AS2444 portable fire extinguishers and fire blankets. Place max 1200mm from finished floor level to top of extinguisher or min. 100mm from finished floor level to bottom of extinguiser

NOTE:

1.

ELECTRICAL SCHEMATIC PLANS SHALL BE INSTALLED BY A QUALIFIED AND LICENSED ELECTRICIAN/ENGINEER WHERE APPLICABLE, USE ENERGY EFFICIENT APPLIANCES & LED LIGHTS

2.

CABLE WIRE SIZES SHOULD BE:

•

4 OR 6 sqmm FOR UNDERGROUND CABLES FROM PUB BOX TO HOUSEHOLD SWITCHBOARD

•

2.5 sqmm CABLES CONNECTING SWITCH-BOARD TO GPOS

•

2.5 sqmm CABLES CONNECTING SWITCH-BOARD TO SWITCH POINTS

•

1.5 sqmm CABLES CONNECTING SWITCH-POINTS TO LIGHTS AND OTHER CEILING/WALL MOUNTED APPLIANCES

2

ELECTRICAL ITEMS 1

Scale: 1 : 100

1 ELECTRICAL PLAN 1
Scale: 1 : 100

1 PRELIMINARY ISSUE Date 1

IMPORTANT NOTE:

ENSURE THAT THE BUILDING WILL BE SOLAR POWERED.

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CLIENT: MHMS

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DWG TITLE:

ELECTRICAL PLAN 1

DRAWN BY: KB

REVIEWED BY: JT

DATE: 05/30/24

SCALE: 1 : 100

DRAWING NUMBER:

A06

ISSUE:


01


07/11/2024 4:48:46 pm

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ELECTRICAL LEGEND

- MSB






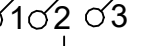
Double GPO




Double GPO - with weatherproof cover/protection




Selected compact ceiling light




Light switch single, double, triple or quarible




Earthing




Wall mounted batten light




Ceiling fan




Cable wire




Light batten 4ft



Light batten 2ft




Fan switch double or single (depends on the no. noted)




Selected air conditioning unit

FIRE SAFETY

- SM





ABE fire extinguisher to AS2444 portable fire extinguishers and fire blankets. Place max 1200mm from finished floor level to top of extinguisher or min. 100mm from finished floor level to bottom of extinguiser

NOTE:

1.

ELECTRICAL SCHEMATIC PLANS SHALL BE INSTALLED BY A QUALIFIED AND LICENSED ELECTRICIAN/ENGINEER
2.

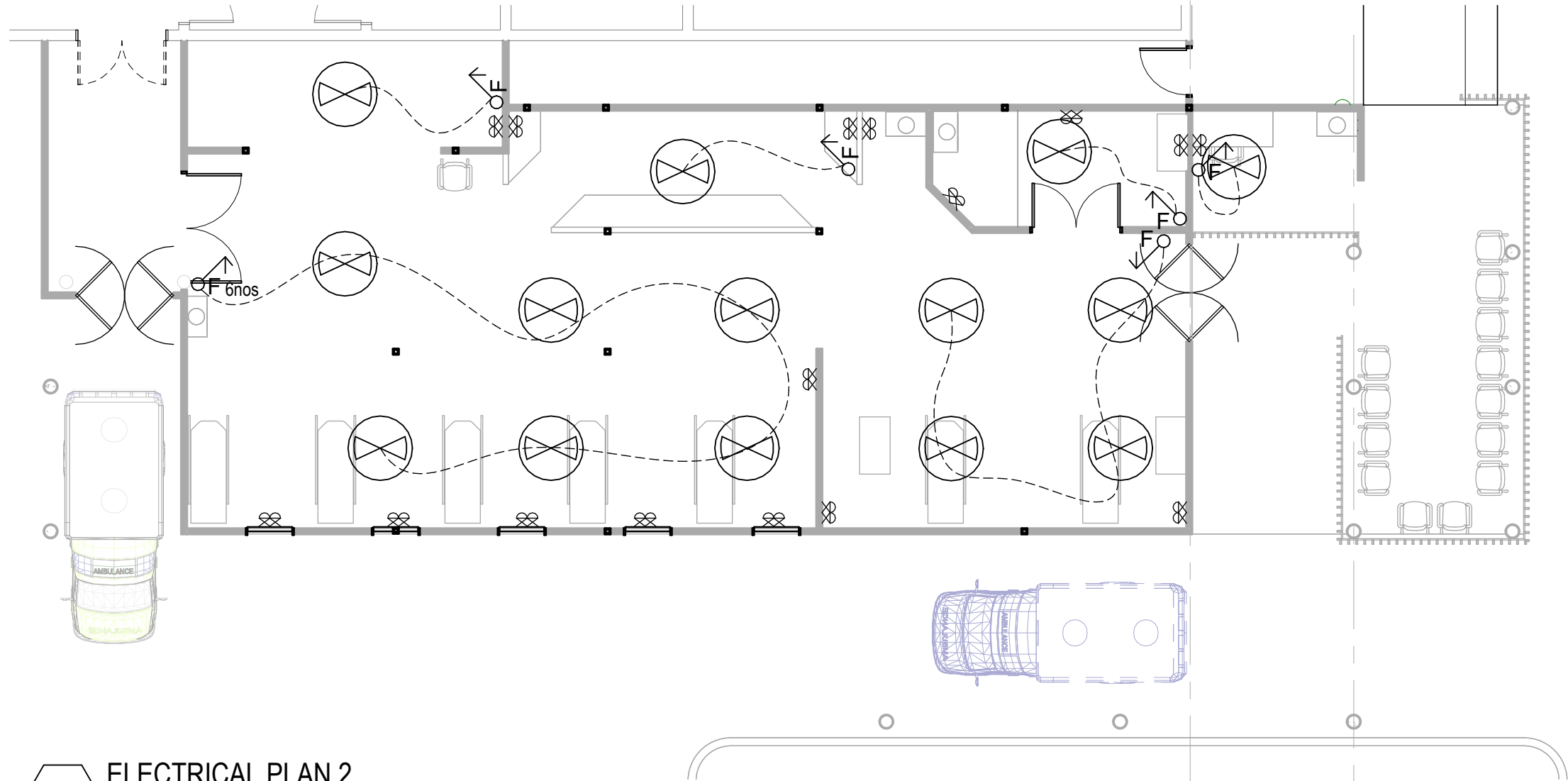
WHERE APPLICABLE, USE ENERGY EFFICIENT APPLIANCES & LED LIGHTS
3.

CABLE WIRE SIZES SHOULD BE:
 - 4 OR 6 sqmm FOR UNDERGROUND CABLES FROM PUB BOX TO HOUSEHOLD SWITCHBOARD
 - 2.5 sqmm CABLES CONNECTING SWITCH-BOARD TO GPOS
 - 2.5 sqmm CABLES CONNECTING SWITCH-BOARD TO SWITCH POINTS
 - 1.5 sqmm CABLES CONNECTING SWITCH-POINTS TO LIGHTS AND OTHER CEILING/WALL MOUNTED APPLIANCES

2

ELECTRICAL ITEMS 2

Scale: 1 : 100



1

ELECTRICAL PLAN 2

Scale: 1 : 100

IMPORTANT NOTE:

ENSURE THAT THE BUILDING
WILL BE SOLAR POWERED.

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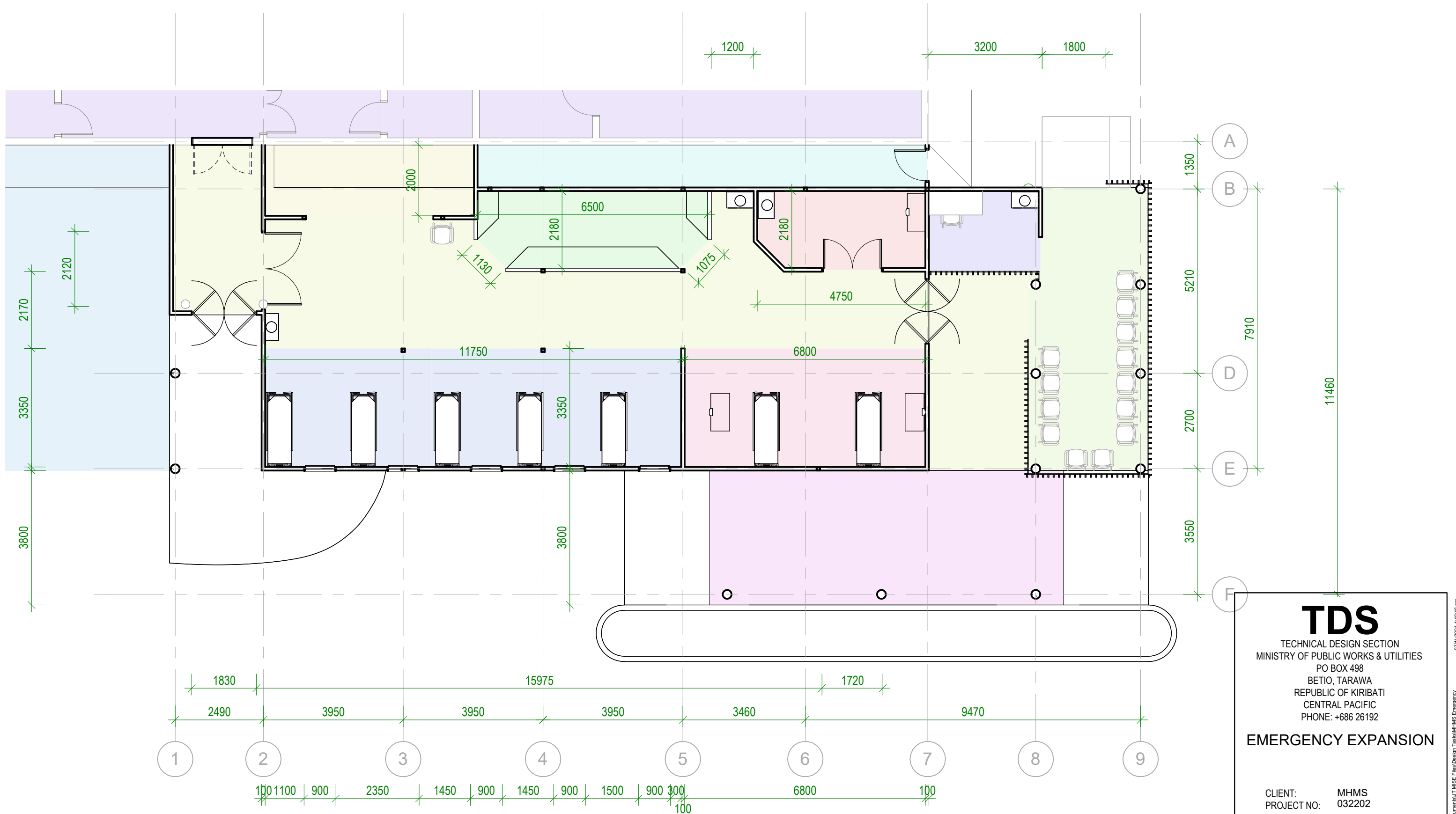
CLIENT: MHMS
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DWG TITLE:
ELECTRICAL PLAN 2

DRAWN BY: KB
REVIEWED BY: JT
DATE: 08/09/24
SCALE: 1 : 100

DRAWING NUMBER:
A07

ISSUE:
01



1 DIMENSION - PLAN

Scale: 1 : 100

- | | |
|-----------------|--------------------------------|
| waiting area | future development (isolation) |
| ASSESSMENT ROOM | MEDICATION |
| DRESSING | NURSE STATION |
| DROP-OFF | resuscitation |
| EMERGENCY | Room |
| exam | SERVICE ROOM |
| existing | traffic |

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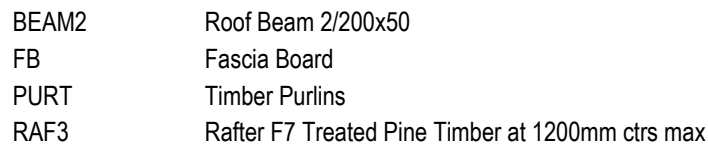
CLIENT: MHMS
PROJECT NO: 032202

DWG TITLE:
DIMENSION PLAN

DRAWN BY: KB
REVIEWED BY: JT
DATE: 08/08/24
SCALE: 1 : 100

DRAWING NUMBER:
A09

ISSUE:
01



Scale: 1 : 100

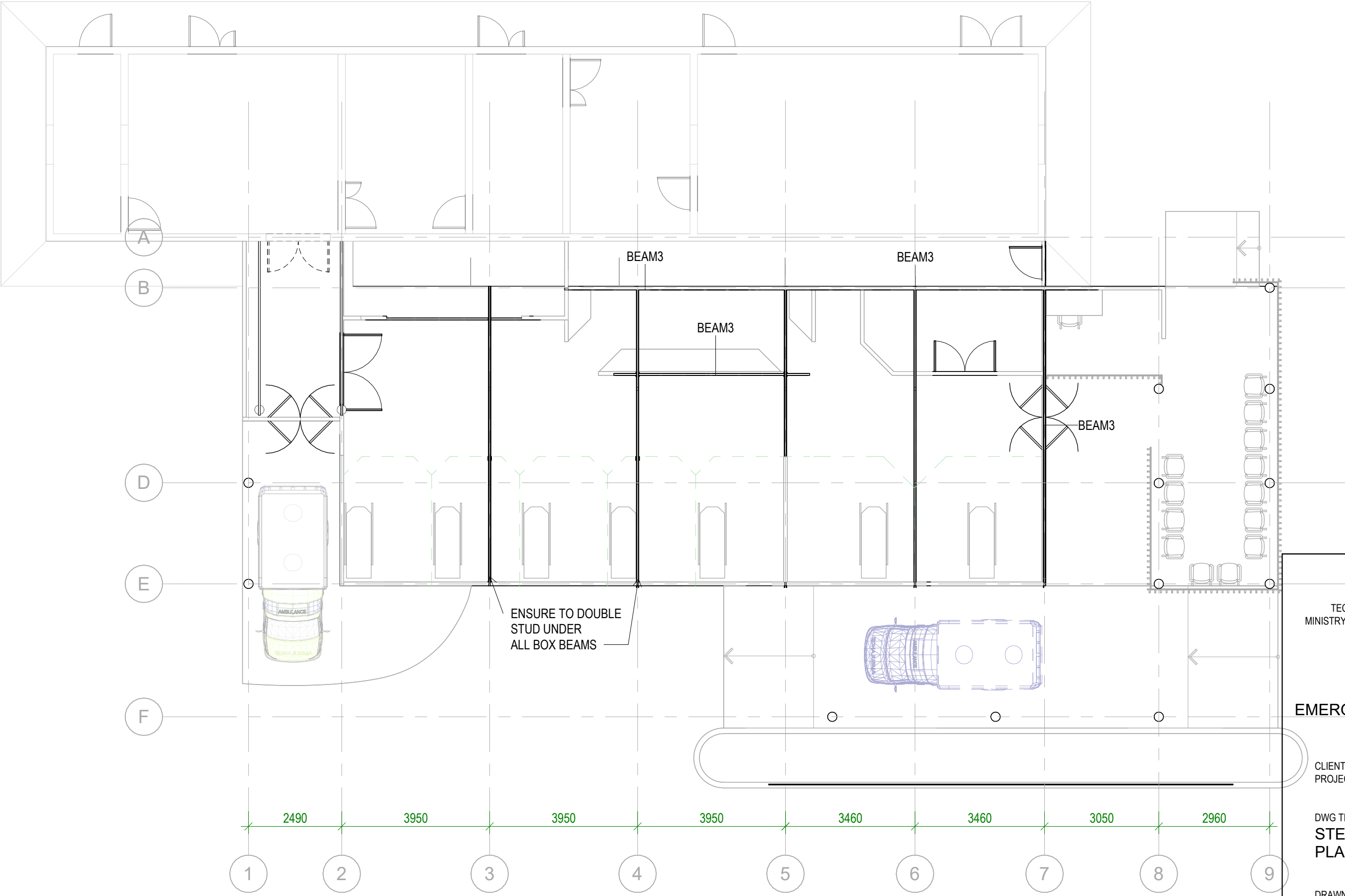
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DRAWN BY: KB
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DATE: 05/30/24
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LEGEND

BEAM3 Steel Box Beam 400x50



1 STEEL BOX BEAM PLAN

Scale: 1 : 100

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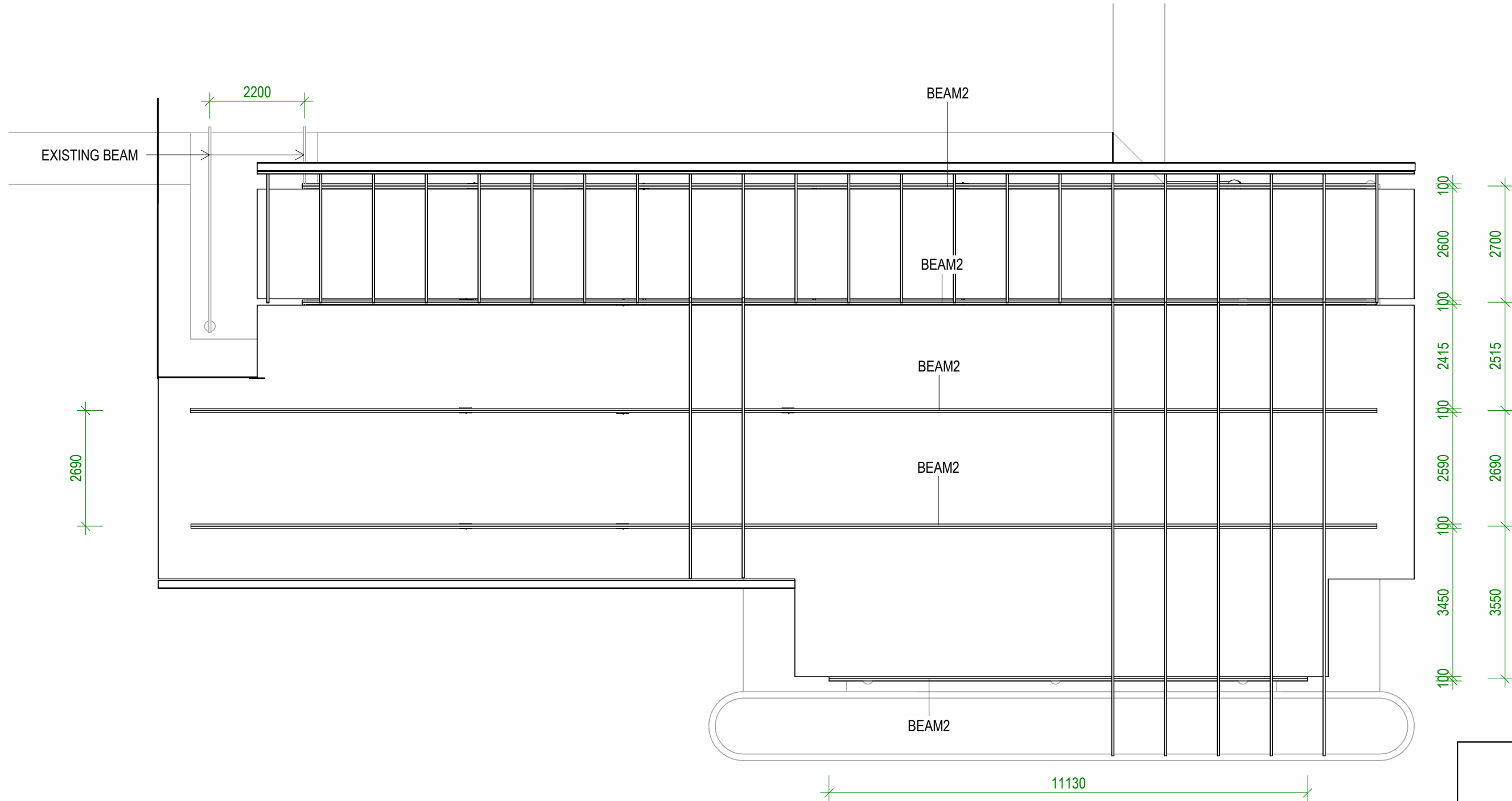
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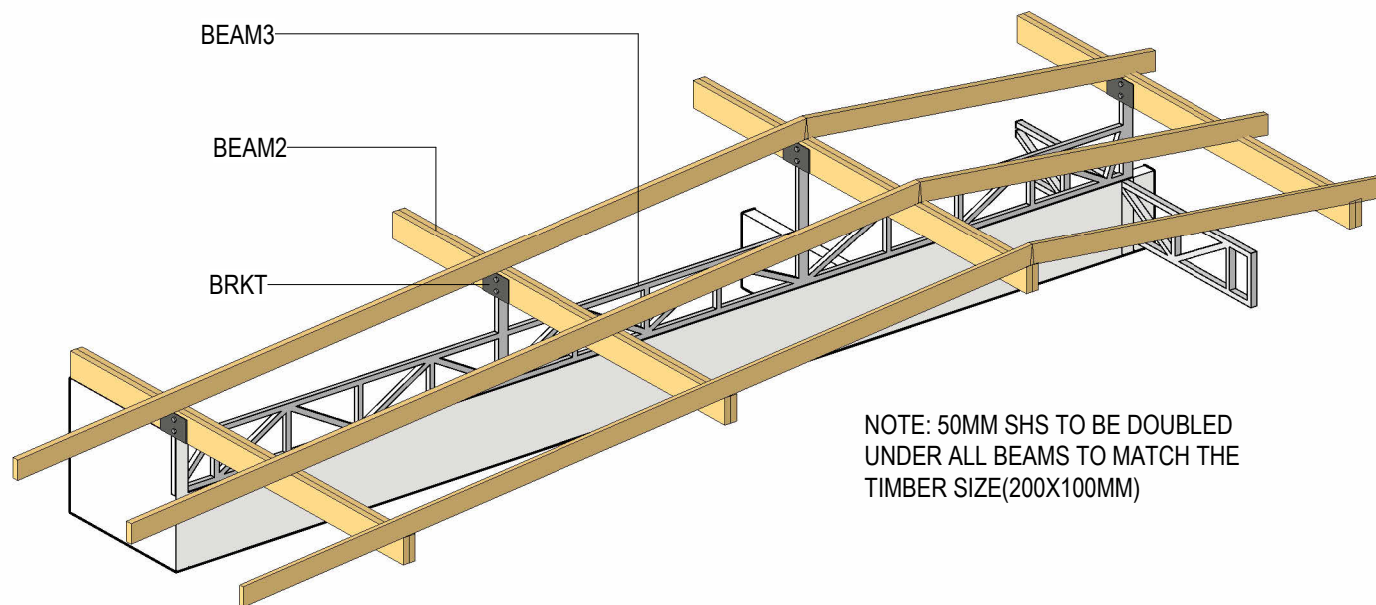
DWG TITLE:
STEEL BOX BEAM
PLAN

DRAWN BY: KB
REVIEWED BY: JT
DATE: 08/02/24
SCALE: 1 : 100

DRAWING NUMBER: A12
ISSUE: 01



1 **TIMBER BEAM - PLAN**
Scale: 1 : 100



NOTE: 50MM SHS TO BE DOUBLED
UNDER ALL BEAMS TO MATCH THE
TIMBER SIZE(200X100MM)

2 **SHOWING STEEL BOX BEAM TO TIMBER BEAM**
Scale:

LEGEND

BEAM2 Roof Beam 2/200x50
BEAM3 Steel Box Beam 400x50
BRKT Bracket
 280x175x100mm(welded to
 Steel Box Beam)

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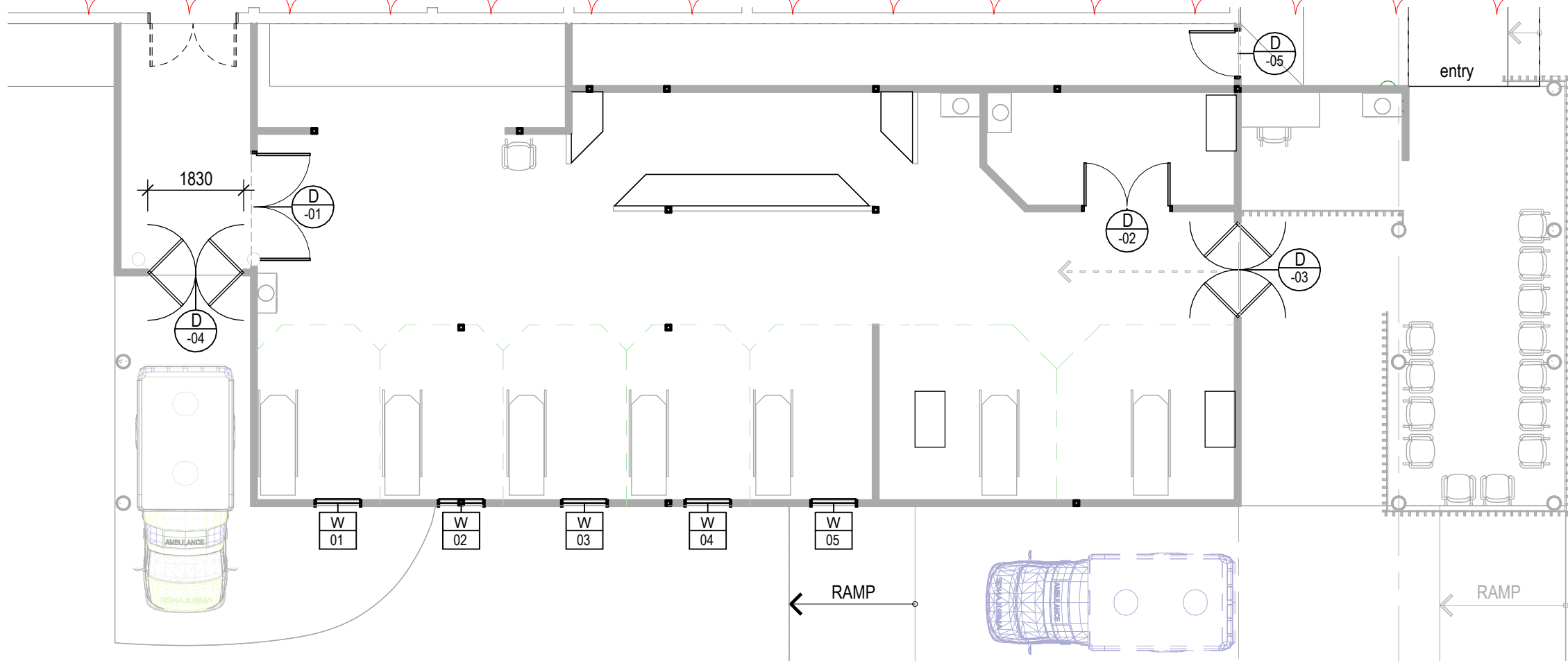
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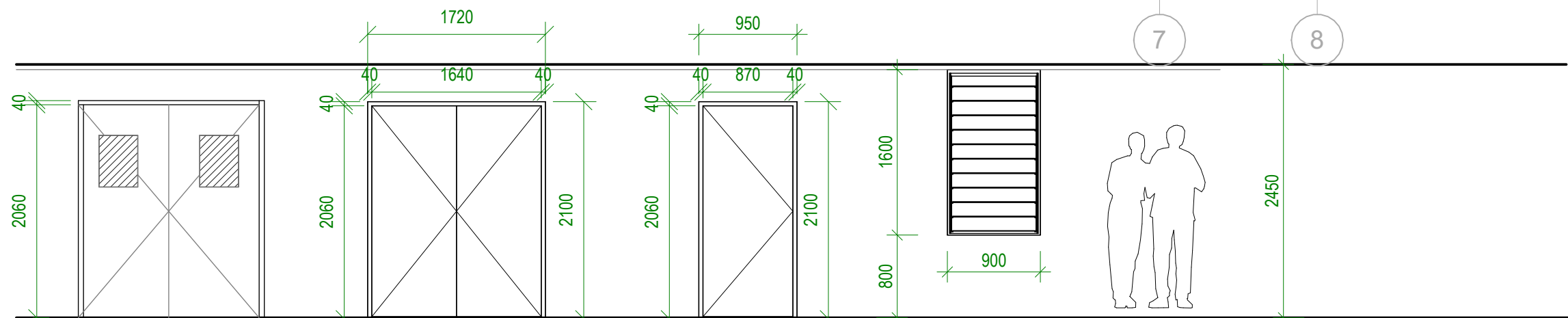
DWG TITLE:
TIMBER BEAM PLAN

DRAWN BY: KB
REVIEWED BY: JT
DATE: 08/02/24
SCALE: 1 : 100

DRAWING NUMBER: ISSUE:
A13 **01**



1 OPENING REFERENCE PLAN
Scale: 1 : 100



D03,D04

DOUBLE DOOR 2 WAY
SWING DOOR TYPE
DD2

2040h x 1020 + 1020
External Solid core door

190x40 Treaded pine
frame

Glass door opening

Refer to plan for hinge
location

D01, D02

DOUBLE DOOR SWING
DOOR TYPE DD2

2040h x 820 + 820
External Solid core door

190x40 Treaded pine
frame

Refer to plan for hinge
location

D05

SINGLE DOOR
SWING
DOOR TYPE D2

2040h x 870w Internal.
Hollow core door

190x40 Treaded pine
frame

Refer to plan for hinge
location

W1,W2,W3,W4,W5

SINGLE BAY
WINDOW
WINDOW TYPE W2

Glass louver window
type.

190x40 Treaded pine
frame

1 Bay

Opening Schedule

Scale: 1 : 50

1 PRELIMINARY ISSUE

Date 1

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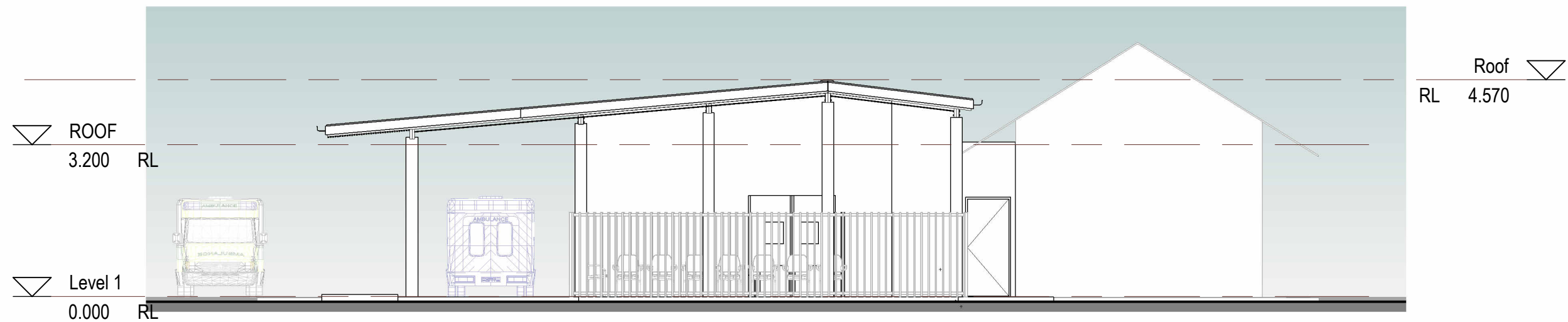
CLIENT: MHMS
PROJECT NO: 032202

DWG TITLE:
**OPENING REF &
SCHEDULE**

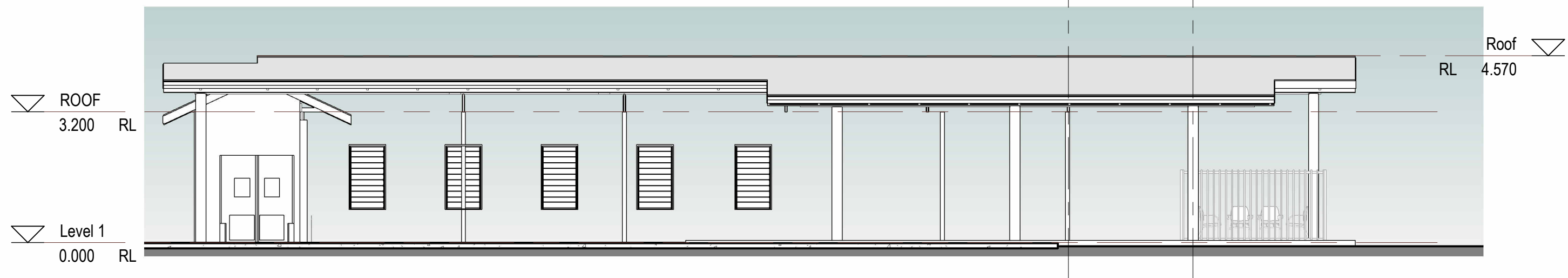
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A14

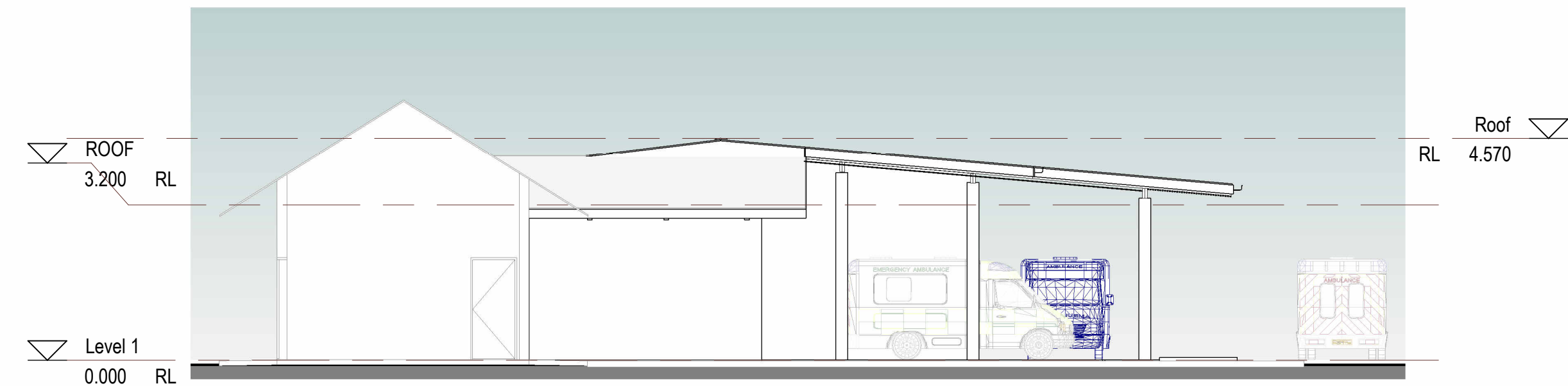
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1 NORTH
Scale: 1 : 100



2 EAST
Scale: 1 : 100



3 SOUTH
Scale: 1 : 100

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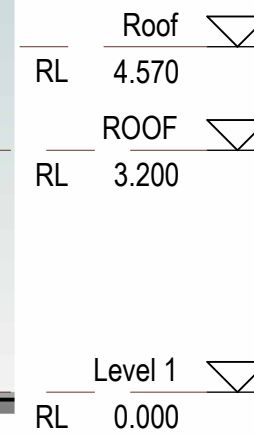
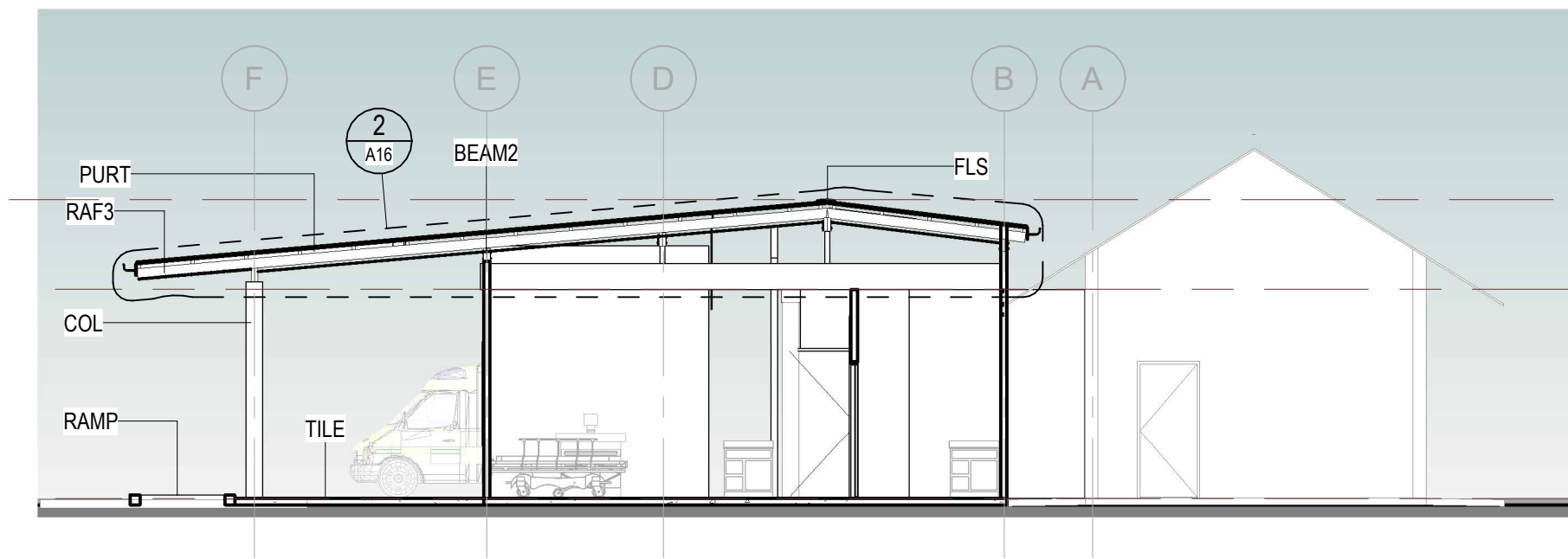
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DWG TITLE:
ELEVATION

DRAWN BY: KB
REVIEWED BY: JT
DATE: 08/07/24
SCALE: 1 : 100

DRAWING NUMBER:
A15

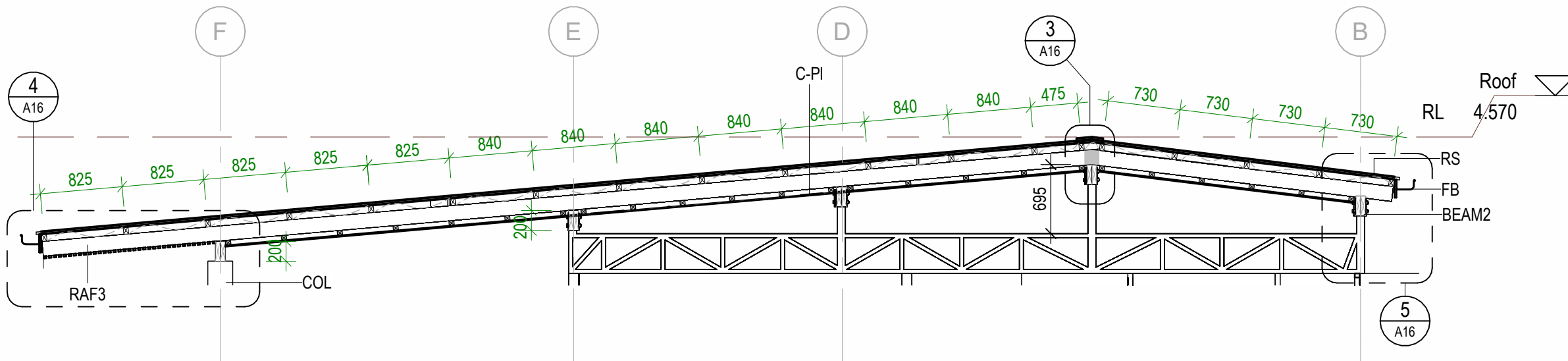
ISSUE:
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BBTN	Bird battens 25x20mm Timber
BEAM2	Roof Beam 2/200x50
BRKT	Bracket 280x175x100mm(welded to Steel Box Beam)
C-PI	Ceiling - Selected plywood sheet with 50x50mm Ceiling noggings
COL	Column 300mm Diameter
FB	Fascia Board
FLS	Flashing
PURT	Timber Purlins
RAF3	Rafter F7 Treated Pine Timber at 1200mm ctrs max
RAMP	Ramp 1:10
RS	Roof Sheet Lysaght Trimdek
TILE	Tiled Surface

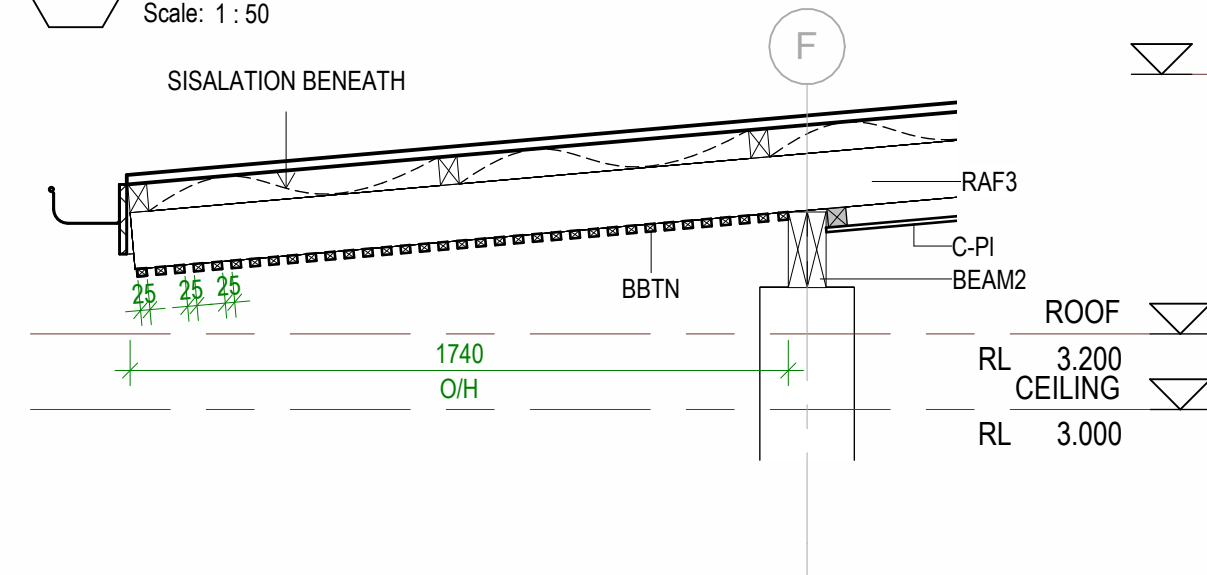
Section A

Scale: 1 : 100



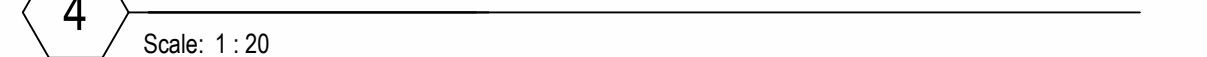
DETAIL - RAFTER AND STEEL BOX BEAM

Scale: 1 : 50



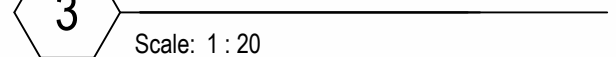
DETAIL - O/H 1

Scale: 1 : 20



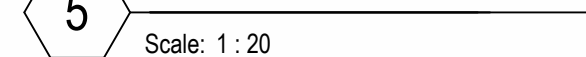
DETAIL - BRACKET TO BEAM

Scale: 1 : 20



DETAIL - O/H 2

Scale: 1 : 20



LEGEND

BBTN	Bird battens 25x20mm Timber
BEAM2	Roof Beam 2/200x50
BRKT	Bracket 280x175x100mm(welded to Steel Box Beam)
C-PI	Ceiling - Selected plywood sheet with 50x50mm Ceiling noggings
COL	Column 300mm Diameter
FB	Fascia Board
FLS	Flashing
PURT	Timber Purlins
RAF3	Rafter F7 Treated Pine Timber at 1200mm ctrs max
RAMP	Ramp 1:10
RS	Roof Sheet Lysaght Trimdek
TILE	Tiled Surface

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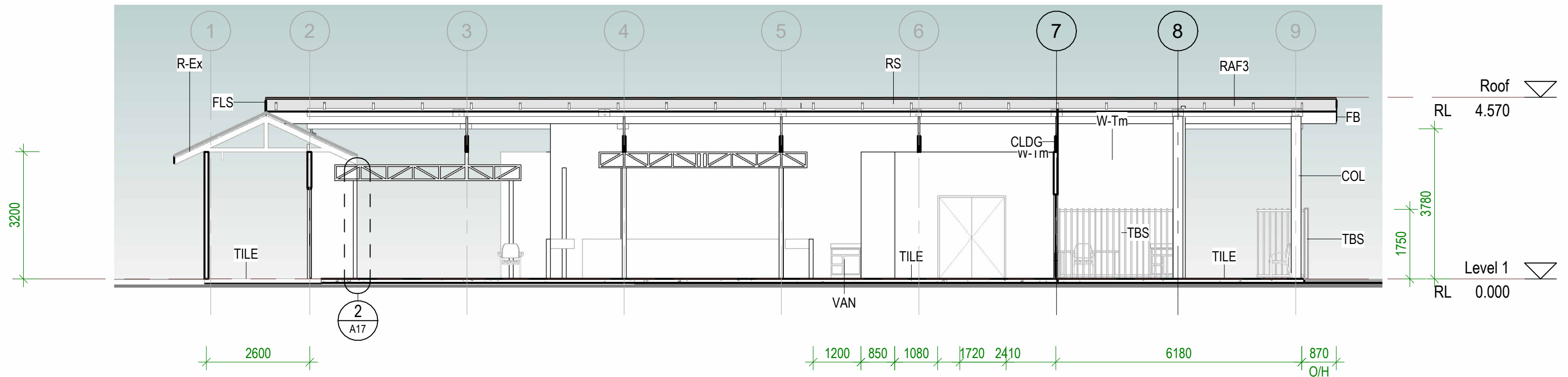
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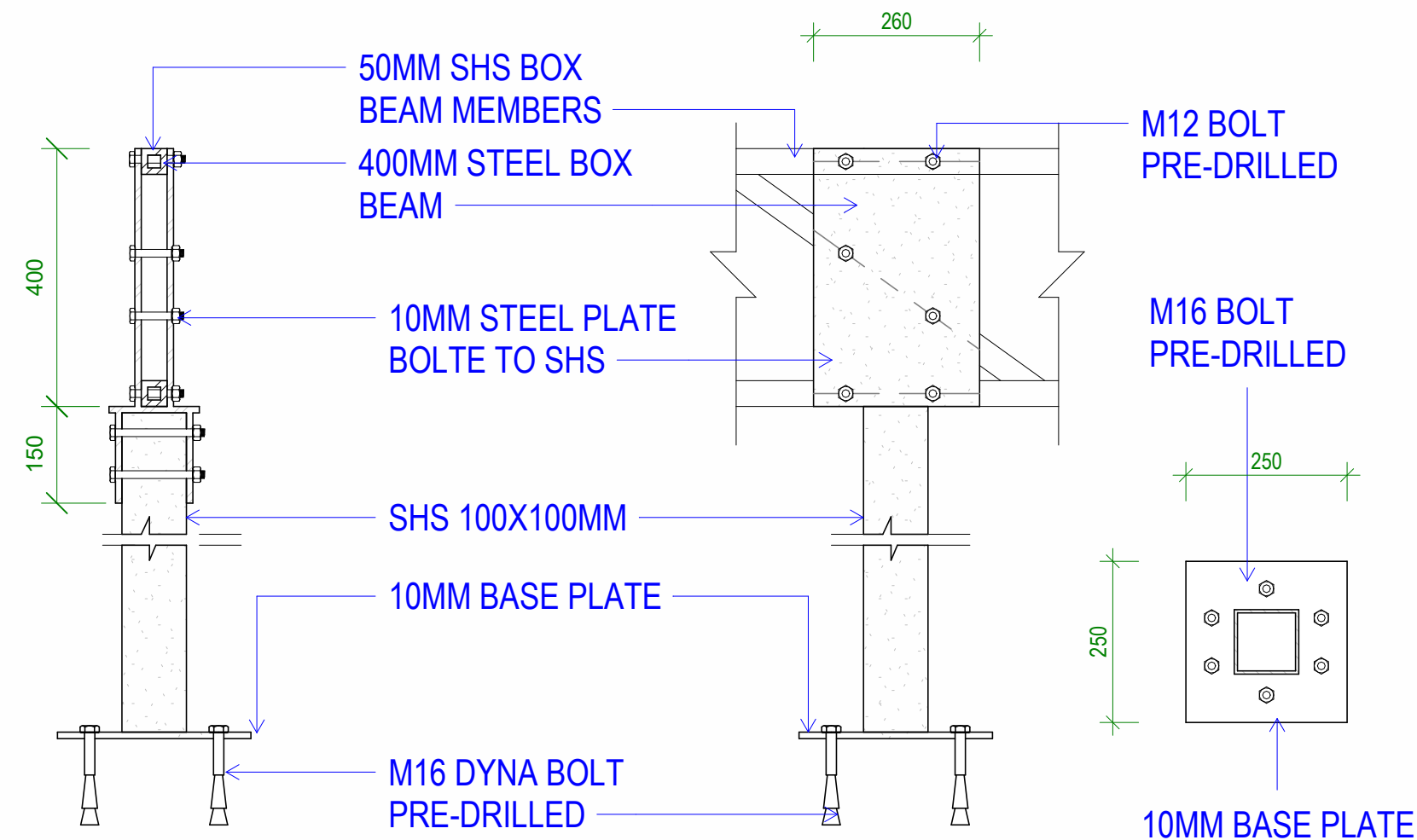
DWG TITLE:
SECTION

DRAWN BY: KB
REVIEWED BY: JT
DATE: 08/07/24
SCALE: As indicated

DRAWING NUMBER: A16
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Section B
Scale: 1 : 100



DETAIL - COLUMN TO BEAM
Scale: 1 : 10

LEGEND

CLDG	Cladding(12mm Plywood on both side)
COL	Column 300mm Diameter
FB	Fascia Board
FLS	Flashing
R-Ex	Roof - Existing roof members
RAF3	Rafter F7 Treated Pine Timber at 1200mm ctrs max
RS	Roof Sheet Lysaght Trimdek
TBS	Timber Batten Screen
TILE	Tiled Surface
VAN	Vanity Unit 760mmx450mm Private
W-Tm	Wall - Timber Frame wall(100x50mm with 6mm Fibre Cement Lining)

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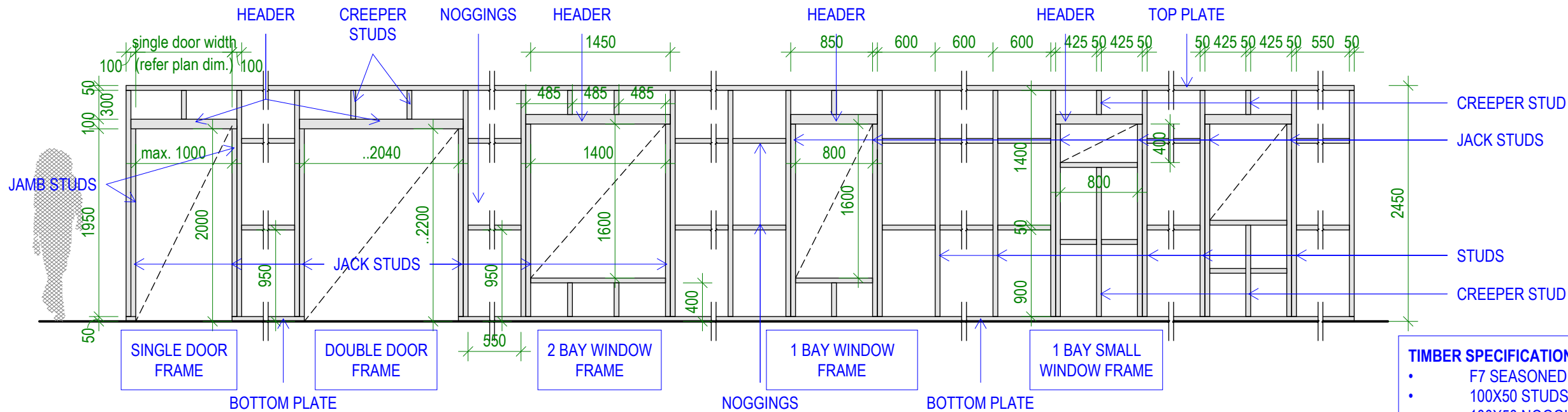
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CLIENT: MHMS
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DWG TITLE:
LONGUTIDUNAL SECTION

DRAWN BY: KB
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SCALE: As indicated

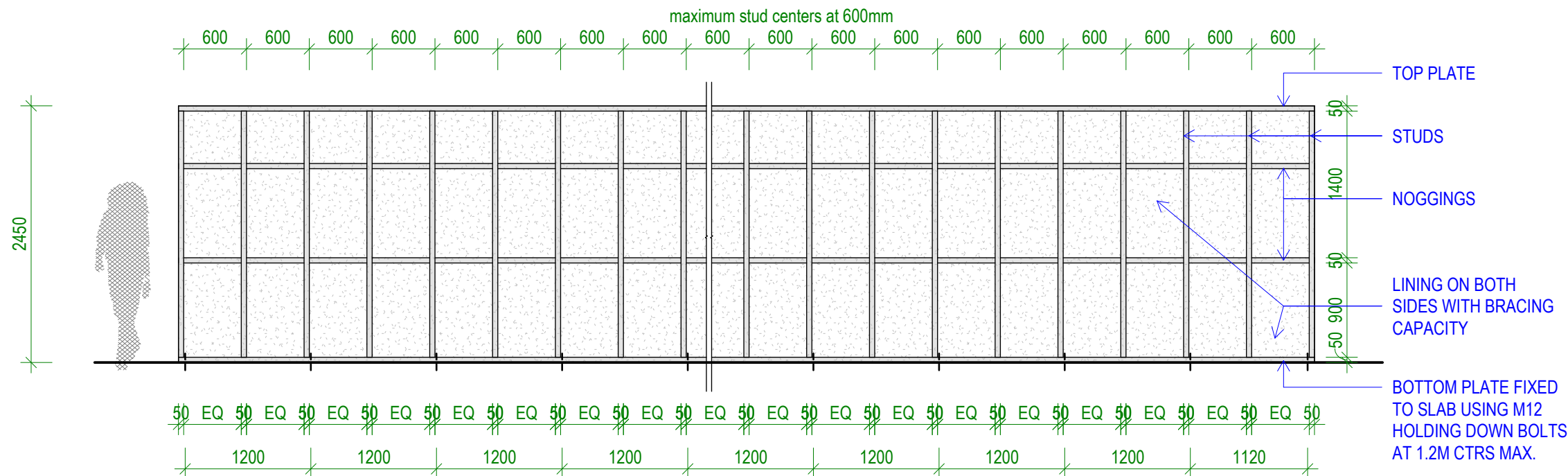
DRAWING NUMBER: **A17**
ISSUE: **01**



- TIMBER SPECIFICATIONS:**
- F7 SEASONED SOFTWOOD (OR SUPERIOR EQUIVALENT)
 - 100X50 STUDS AT 600 CTRS MAX
 - 100X50 NOGGINGS AT 900 VERTICAL CTRS MAX
 - 2/100X50 HEADERS SITTING ON JAMB STUDS
 - 100X50 JAMB STUDS AND SILLS
 - 100X50 TOP AND BOTTOM PLATES.
 - LAY DPC UNDERNEATH TIMBER SURFACES WHERE IT IS IN CONTACT WITH CONCRETE OR BLOCKWORK

1 Timber Wall Frame(Opening)
Scale: 1 : 50

IMPORTANT NOTE:
ENSURE TO DOUBLE STUD UNDER ALL BOX BEAMS



2 Timber Wall Frame(Typical)
Scale: 1 : 50

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CLIENT: MHMS
PROJECT NO: 032202

DWG TITLE:
DETAIL - WALL FRAMING

DRAWN BY: KB
REVIEWED BY: JT
DATE: 08/22/24
SCALE: 1 : 50

DRAWING NUMBER: **A18**
ISSUE: **01**

CONSTRUCTION SPECIFICATION

ALL SETOUT AND CONSTRUCTION DIMENSIONS ARE TO BE CHECKED ON SITE PRIOR TO STARTING ANY WORKS BY THE CONTRACTOR OR SUB-CONTRACTORS.

REFER ANY DISCREPENCIES TO ARCHITECT FOR RESOLUTION.

ROOF PLUMBING

GUTTERS

ZINCALUME FINISH STEEL EAVES GUTTERING. LYSAGHT 125 QUAD OR APPROVED EQUIVALENT. FIX GUTTER TO TIMBER FASCIA WITH MATCHING GUTTER BRACKETS.
FALL GUTTER TO DOWNPIPES AT A MINIMUM GRADIENT OF 1 IN 400. TEST FALL OF GUTTER BY FILLING WITH WATER AND ENSURING WATER FULLY DRAINS TO DOWNPIPES.

INSTALL GUTTERS PRIOR TO FIXING ROOF SHEETING.

DO NOT USE PVC PIPE INSTEAD OF STEEL GUTTERING.

DOWNPIPES

100 DIA. UPVC - PAINT FINISH.

ROOFING

STANDARD CORRUGATED STEEL ROOFING - ZINCALUME FINISH/LYSAGHT TRIMDEK

FIX STEEL ROOFING TO TIMBER ROOFING BATTENS WITH GALVANISED ROOFING SCREWS

RIDGE AND BARGE CAPPINGS

FOLDED STEEL SHEET - ZINCALUME ZINISH

FIX CAPPINGS THROUGH STEEL ROOFING TO TIMBER ROOFING BATTENS WITH GALVANISED ROOFING SCREWS

ROOF FRAMING

ALL TIMBER FRAMING SHOULD BE TERMITE TREATED AND COMPLY WITH AS 1684.

TIMBER TRUSSES AND RAFTERS

REFER TO SECTIONS AND DETAILS FOR TRUSSES/RAFTER DESIGN.

BE SURE TO INSTALL ALL BOTTOM CHORD TIES, ROOF BRACING AND TIES TO TOP PLATES.

CEILING BATTENS/NOGGINGS

NAIL FIX 50x50 CEILING BATTENS/NOGGINGS TO UNDERSIDE OF TIMBER TRUSSES AT 600 CENTRES MAX IN BOTH DIRECTIONS.

CONCRETE MIX

0.75:1:2:4
WATER:CEMENT:SAND:AGGREGATE (20mm) RATIO

LAY CONCRETE SLAB OVER BLACK PLASTIC SHEETING, 50mm SAND BLINDING AND 150mm COMPACTED HARDCORE

REINFORCING

ALL STEEL REINFORCING TO BE MINIMUM GRADE 300MPa

LININGS AND TRIM

CEILING LINING

1200X2400x6mm PLYWOOD SHEETS NAILED TO CEILING BATTENS AT 300 CENTRES IN CENTRE OF SHEET AND AT 150 CENTRES AT SHEET EDGES.

ARCHITRAVES, SKIRTINGS AND CORNICE TRIMS

42x12mm DRESSED PINE. PAINT FINISH.

EXTERNAL MATERIALS

FT
SELECTED FLOOR TILE

EXTERNAL PAINTING

WINDOW FRAMES AND FASCIA

1 COAT 1 STEP OIL BASED PRIMER SEALER UNDERCOAT
2 COATS OF SEMI-GLOSS ENAMEL
COLOUR: TO BE SELECTED

INTERNAL PAINTING

INTERNAL WALLS AND CEILINGS

1 COAT SEALER
2 COATS WASH AND WEAR LOW SHEEN
COLOUR: SELECTED WHITE

TRIMS (SKIRTINGS, ARCHITRAVES, INTERNAL DOORS & FRAMES)

1 COAT 1 STEP OIL BASED PRIMER SEALER UNDERCOAT
2 COATS OF SEMI-GLOSS ENAMEL
COLOUR: SELECTED WHITE

WINDOW FRAMES

1 COAT 1 STEP OIL BASED PRIMER SEALER UNDERCOAT
2 COATS OF SEMI-GLOSS ENAMEL
COLOUR: TO BE SELECTED

ONLY PREMIUM QUALITY PAINTS TO BE USED



Construction Specification

Scale: 1 : 20

TDS

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EMERGENCY EXPANSION

CLIENT: MHMS
PROJECT NO: 032202

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