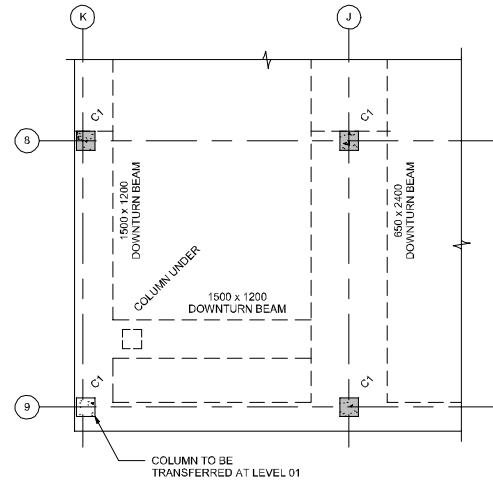


LEVEL 01 FLOOR GENERAL ARRANGEMENT PLAN  
SCALE: 1 : 100

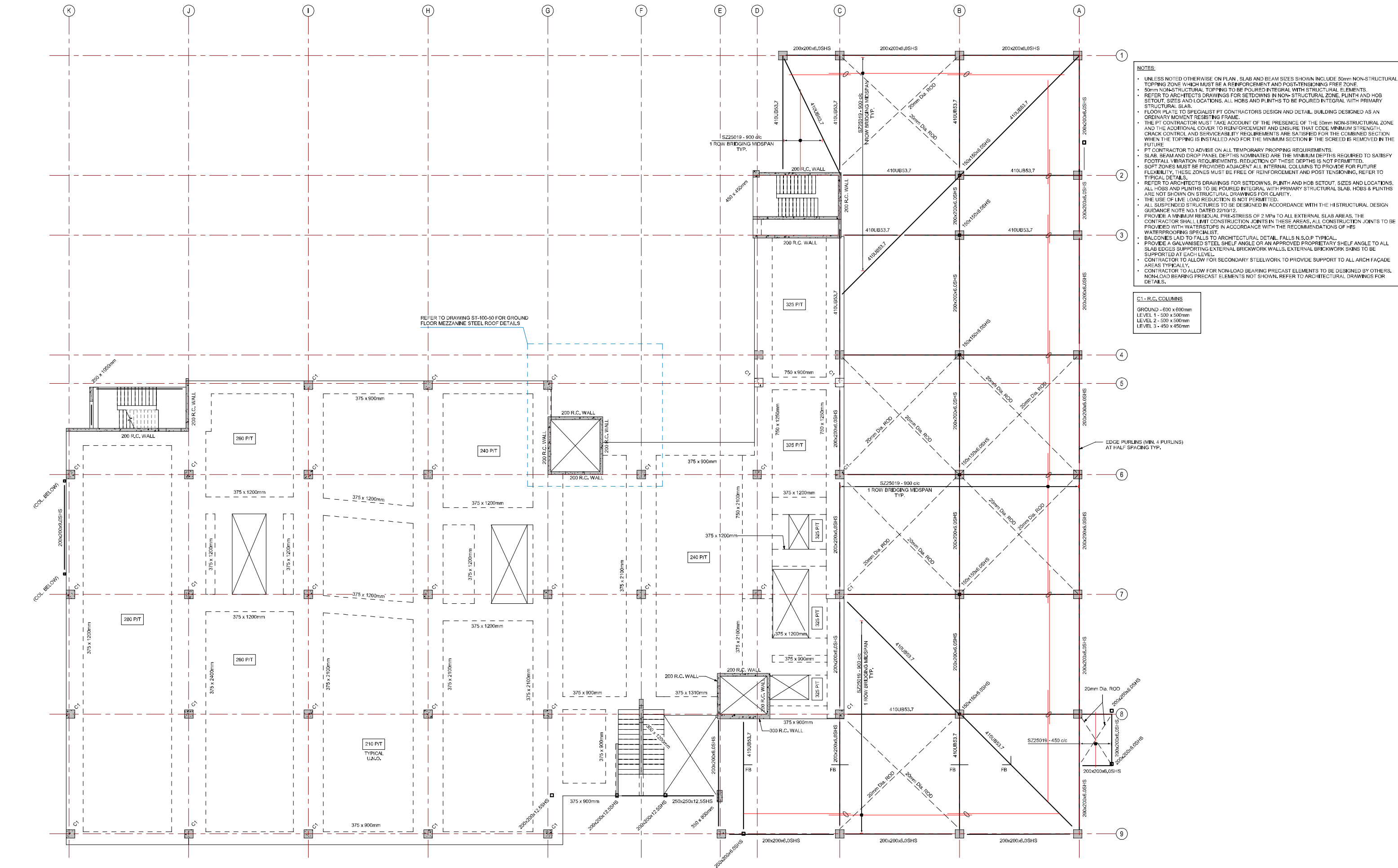
- NOTES:
- UNLESS NOTED OTHERWISE ON PLAN, SLAB AND BEAM SIZES SHOWN INCLUDE 50mm NON-STRUCTURAL TOPPING ZONE WHICH MUST BE A REINFORCEMENT AND POSTTENSIONING FREE ZONE.
  - 50mm NON-STRUCTURAL TOPPING TO BE POURED INTEGRAL WITH STRUCTURAL ELEMENTS.
  - REFER TO ARCHITECTS DRAWINGS FOR SETDOWNS IN NON-STRUCTURAL ZONE, PLINTH AND HOB SETOUT, SIZES AND LOCATIONS. ALL HOBS AND PLINTHS TO BE POURED INTEGRAL WITH PRIMARY STRUCTURAL SLAB.
  - FLOOR PLATE TO SPECIALIST PT CONTRACTORS DESIGN AND DETAIL. BUILDING DESIGNED AS AN ORDINARY MOMENT RESISTING FRAME.
  - THE PT CONTRACTOR MUST TAKE ACCOUNT OF THE PRESENCE OF THE 50mm NON-STRUCTURAL ZONE AND THE ADDITIONAL COVER TO REINFORCEMENT AND ENSURE THAT CODE MINIMUM STRENGTH, CRACK CONTROL AND SERVICEABILITY REQUIREMENTS ARE SATISFIED FOR THE COMBINED SECTION WHEN THE TOPPING IS INSTALLED AND FOR THE MINIMUM SECTION IF THE SCREED IS REMOVED IN THE FUTURE.
  - PT CONTRACTOR TO ADVISE ON ALL TEMPORARY PROPPING REQUIREMENTS.
  - SLAB, BEAM AND DROP PANEL DEPTHS NOMINATED ARE THE MINIMUM DEPTHS REQUIRED TO SATISFY FOOTFALL VIBRATION REQUIREMENTS. REDUCTION OF THESE DEPTHS IS NOT PERMITTED.
  - SOFT ZONES MUST BE PROVIDED ADJACENT ALL INTERNAL COLUMNS TO PROVIDE FOR FUTURE FLEXIBILITY. THESE ZONES MUST BE FREE OF REINFORCEMENT AND POST TENSIONING, REFER TO TYPICAL DETAILS.
  - REFER TO ARCHITECTS DRAWINGS FOR SETDOWNS, PLINTH AND HOB SETOUT. SIZES AND LOCATIONS. ALL HOBS AND PLINTHS TO BE POURED INTEGRAL WITH PRIMARY STRUCTURAL SLAB. HOBS & PLINTHS ARE NOT SHOWN ON STRUCTURAL DRAWINGS FOR CLARITY.
  - THE USE OF LIVE LOAD REDUCTION IS NOT PERMITTED.
  - ALL SUSPENDED STRUCTURES TO BE DESIGNED IN ACCORDANCE WITH THE STRUCTURAL DESIGN GUIDANCE NOTE NO.1 DATED 22/10/12.
  - PROVIDE A MINIMUM RESIDUAL PRE-STRESS OF 2 MPa TO ALL EXTERNAL SLAB AREAS, THE CONTRACTOR SHALL LIMIT CONSTRUCTION JOINTS IN THESE AREAS, ALL CONSTRUCTION JOINTS TO BE PROVIDED WITH WATERSTOPS IN ACCORDANCE WITH THE RECOMMENDATIONS OF HIS WATERPROOFING SPECIALIST.
  - BALCONIES LAID TO FALLS TO ARCHITECTURAL DETAIL. FALLS N.S.P. TYPICAL.
  - PROVIDE A GALVANISED STEEL SHELF ANGLE OR AN APPROVED PROPRIETARY SHELF ANGLE TO ALL SLAB EDGES SUPPORTING EXTERNAL BRICKWORK WALLS, EXTERNAL BRICKWORK SKINS TO BE SUPPORTED AT EACH LEVEL.
  - CONTRACTOR TO ALLOW FOR SECONDARY STEELWORK TO PROVIDE SUPPORT TO ALL ARCH FAÇADE AREAS TYPICALLY.
  - CONTRACTOR TO ALLOW FOR NON-LOAD BEARING PRECAST ELEMENTS TO BE DESIGNED BY OTHERS, NON-LOAD BEARING PRECAST ELEMENTS NOT SHOWN, REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.

C1 - R.C. COLUMNS  
GROUND - 600 x 600mm  
LEVEL 1 - 500 x 500mm  
LEVEL 2 - 500 x 500mm  
LEVEL 3 - 450 x 450mm



LEVEL 01 TRANSFER BEAM OPTION PART PLAN  
SCALE: 1 : 100





LEVEL 02 FLOOR GENERAL ARRANGEMENT PLAN  
SCALE 1 : 100

- NOTES:**
- UNLESS NOTED OTHERWISE ON PLAN, SLAB AND BEAM SIZES SHOWN INCLUDE 50mm NON-STRUCTURAL TOPPING ZONE WHICH MUST BE A REINFORCEMENT AND POST-TENSIONING FREE ZONE.
  - 50mm NON-STRUCTURAL TOPPING TO BE POURED INTEGRAL WITH STRUCTURAL ELEMENTS.
  - REFER TO ARCHITECT'S DRAWINGS FOR SETDOWNS IN NON-STRUCTURAL ZONE, PLINTH AND HOB SETOUT, SIZES AND LOCATIONS. ALL HOBBS AND PLINTHS TO BE POURED INTEGRAL WITH PRIMARY STRUCTURAL SLAB.
  - FLOOR PLATE TO SPECIALIST PT CONTRACTORS DESIGN AND DETAIL. BUILDING DESIGNED AS AN ORDINARY MOMENT RESISTING FRAME.
  - THE PT CONTRACTOR MUST TAKE ACCOUNT OF THE PRESENCE OF THE 50mm NON-STRUCTURAL ZONE AND THE ADDITIONAL COVER TO REINFORCEMENT AND ENSURE THAT CODE MINIMUM STRENGTH, CRACK CONTROL AND SERVICEABILITY REQUIREMENTS ARE SATISFIED FOR THE COMBINED SECTION WHEN THE TOPPING IS INSTALLED AND FOR THE MINIMUM SECTION IF THE SCREED IS REMOVED IN THE FUTURE.
  - PT CONTRACTOR TO ADVISE ON ALL TEMPORARY PROPPING REQUIREMENTS.
  - SLAB, BEAM AND DROP PANEL DEPTHS NOMINATED ARE THE MINIMUM DEPTHS REQUIRED TO SATISFY FOOTFALL VIBRATION REQUIREMENTS. REDUCTION OF THESE DEPTHS IS NOT PERMITTED.
  - SOFT ZONES MUST BE PROVIDED ADJACENT ALL INTERNAL COLUMNS TO PROVIDE FOR FUTURE FLEXIBILITY. THESE ZONES MUST BE FREE OF REINFORCEMENT AND POST TENSIONING, REFER TO TYPICAL DETAILS.
  - REFER TO ARCHITECT'S DRAWINGS FOR SETDOWNS, PLINTH AND HOB SETOUT, SIZES AND LOCATIONS. ALL HOBBS AND PLINTHS TO BE POURED INTEGRAL WITH PRIMARY STRUCTURAL SLAB, HOBBS & PLINTHS ARE NOT SHOWN ON STRUCTURAL DRAWINGS FOR CLARITY.
  - THE USE OF LIVE LOAD REDUCTION IS NOT PERMITTED.
  - ALL SUSPENDED STRUCTURES TO BE DESIGNED IN ACCORDANCE WITH THE HISTRUCTURAL DESIGN GUIDANCE NOTE NO.1 DATED 22/10/12.
  - PROVIDE A MINIMUM RESIDUAL PRE-STRESS OF 2 MPa TO ALL EXTERNAL SLAB AREAS, THE CONTRACTOR SHALL LIMIT CONSTRUCTION JOINTS IN THESE AREAS, ALL CONSTRUCTION JOINTS TO BE PROVIDED WITH WATERSTOPS IN ACCORDANCE WITH THE RECOMMENDATIONS OF HIS WATERPROOFING SPECIALIST.
  - BALCONIES LAID TO FALLS TO ARCHITECTURAL DETAIL, FALLS N.S.O.P. TYPICAL.
  - PROVIDE A GALVANISED STEEL SHELF ANGLE OR AN APPROVED PROPRIETARY SHELF ANGLE TO ALL SLAB EDGES SUPPORTING EXTERNAL BRICKWORK WALLS, EXTERNAL BRICKWORK SKINS TO BE SUPPORTED AT EACH LEVEL.
  - CONTRACTOR TO ALLOW FOR SECONDARY STEELWORK TO PROVIDE SUPPORT TO ALL ARCH FAÇADE AREAS TYPICALLY.
  - CONTRACTOR TO ALLOW FOR NON-LOAD BEARING PRECAST ELEMENTS TO BE DESIGNED BY OTHERS, NON-LOAD BEARING PRECAST ELEMENTS NOT SHOWN, REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.

**C1 - R.C. COLUMNS**

GROUND - 600 x 600mm  
LEVEL 1 - 500 x 500mm  
LEVEL 2 - 500 x 500mm  
LEVEL 3 - 450 x 450mm

AMENDMENTS		
NO.	DATE	DESCRIPTION
1	10/11/17	PRELIMINARY ISSUE
2	22/11/17	PRELIMINARY DESIGN REVIEW
3	08/12/17	DESIGN REVIEW
4	07/12/17	DESIGN REVIEW

**STRUCTURAL ENGINEER**  
**enstruct**  
enstruct group pty ltd  
Level 4, 2 Glen Street  
Mildura Point NSW 2501  
Australia  
Telephone (02) 8504 1444  
Facsimile (02) 9904 1555  
http://www.enstruct.com.au

**CLIENT**  
NSW Health Infrastructure

**PROJECT MANAGER**  
TSA MANAGEMENT

**PROJECT**  
**BOWRAL & DISTRICT HOSPITAL REDEVELOPMENT**  
97-103 BOWRAL ST,  
BOWRAL NSW 2576

**DRAWING NUMBER**  
ENS-ST-DWG-102-00

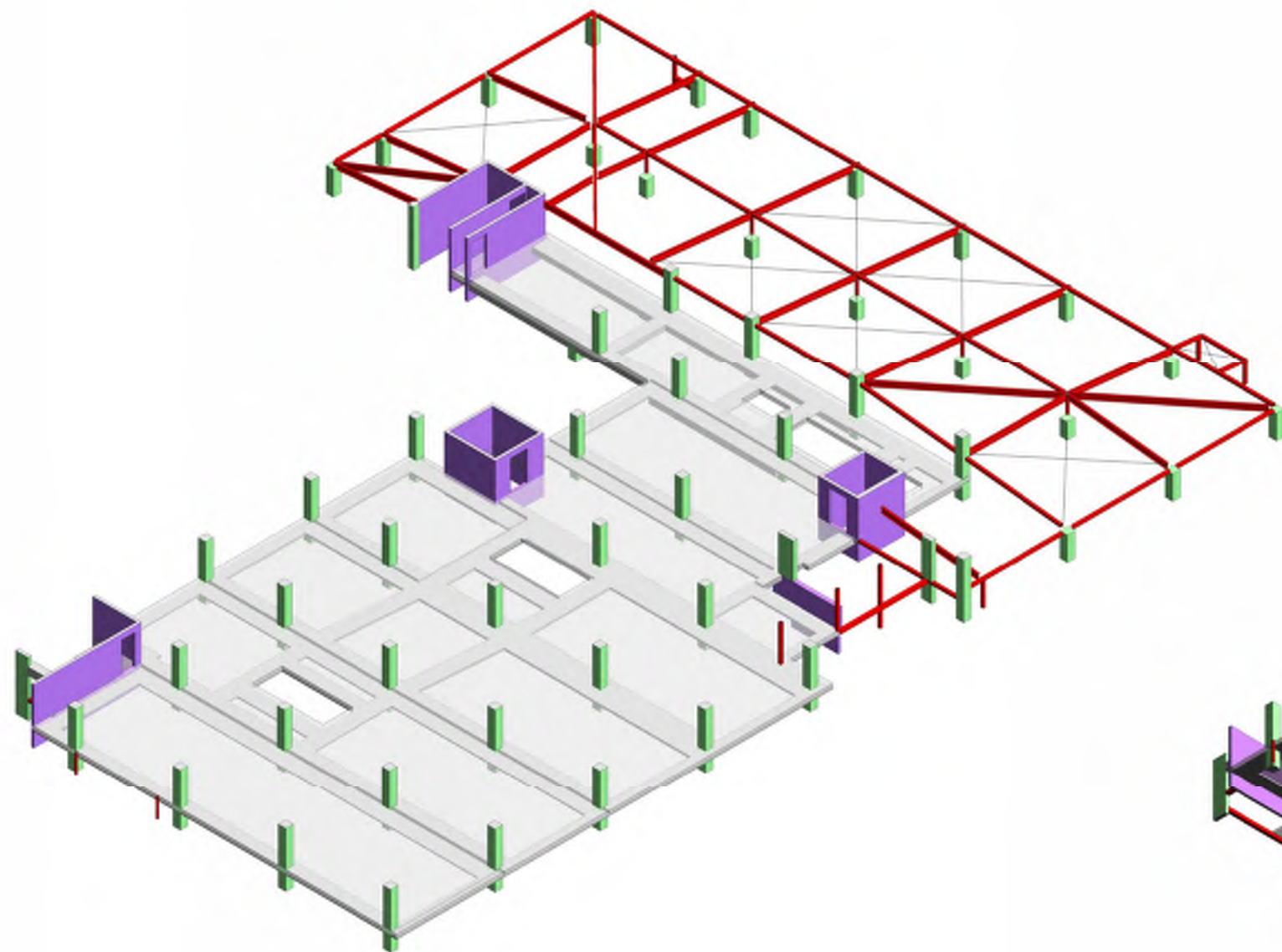
**DRAWING NAME**  
LEVEL 02 GENERAL ARRANGEMENT PLAN

**REV**  
4

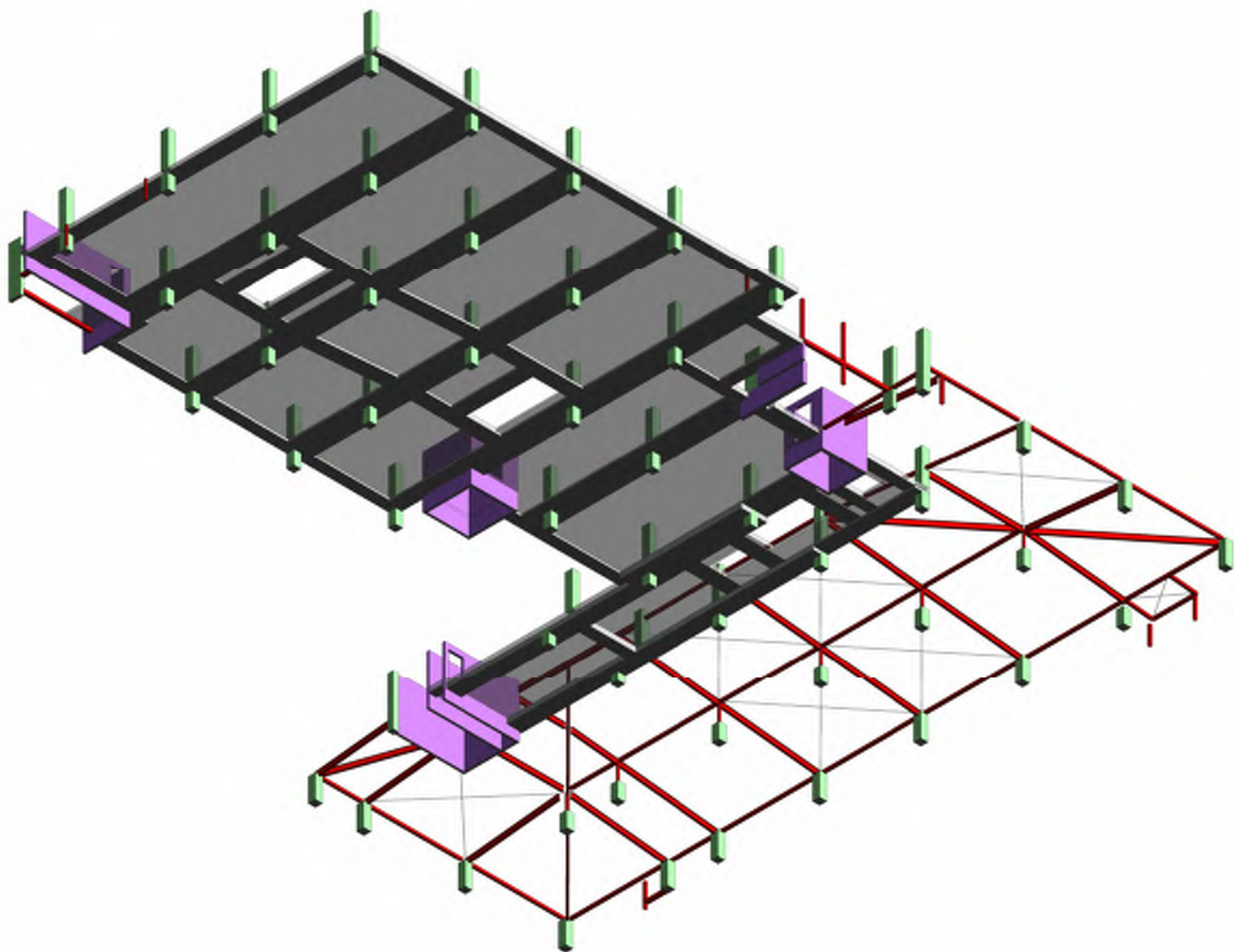
**SCALE**  
1:100 @ B1

**ISSUE DATE**  
19.12.17

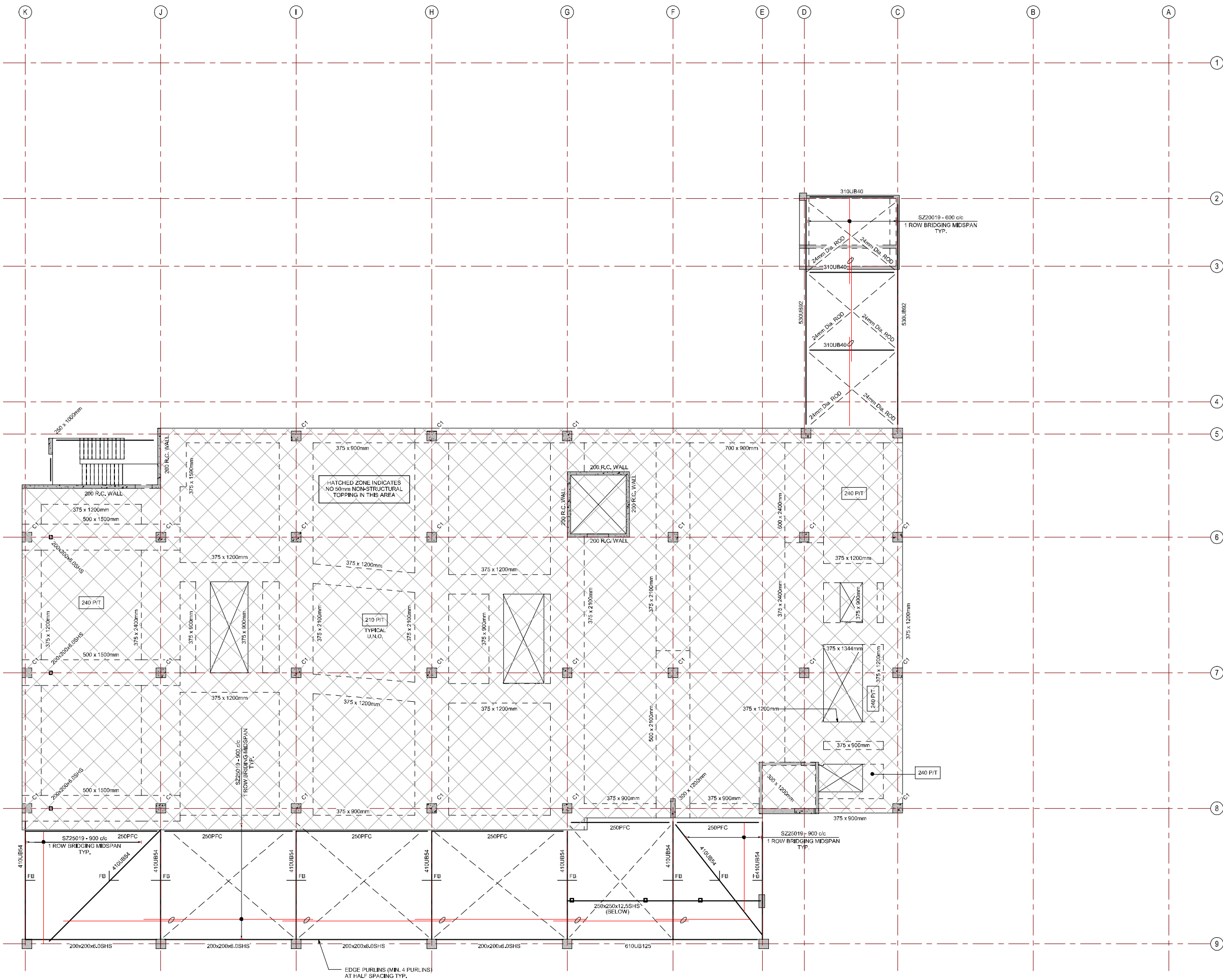




LEVEL 02 3D VIEW OVER  
SCALE:



LEVEL 02 3D VIEW UNDER  
SCALE:



- NOTES**
- UNLESS NOTED OTHERWISE ON PLAN, SLAB AND BEAM SIZES SHOWN INCLUDE 50mm NON-STRUCTURAL TOPPING ZONE WHICH MUST BE A REINFORCEMENT AND POST-TENSIONING FREE ZONE.
  - 50mm NON-STRUCTURAL TOPPING TO BE POURED INTEGRAL WITH STRUCTURAL ELEMENTS.
  - REFER TO ARCHITECTS DRAWINGS FOR SETDOWNS IN NON-STRUCTURAL ZONE, PLINTH AND HOB SETOUT, SIZES AND LOCATIONS, ALL HOB'S AND PLINTHS TO BE POURED INTEGRAL WITH PRIMARY STRUCTURAL SLAB.
  - FLOOR PLATE TO SPECIALIST PT CONTRACTORS DESIGN AND DETAIL, BUILDING DESIGNED AS AN ORDINARY MOMENT RESISTING FRAME.
  - THE PT CONTRACTOR MUST TAKE ACCOUNT OF THE PRESENCE OF THE 50mm NON-STRUCTURAL ZONE AND THE ADDITIONAL COVER TO REINFORCEMENT AND ENSURE THAT CODE MINIMUM STRENGTH, CRACK CONTROL AND SERVICEABILITY REQUIREMENTS ARE SATISFIED FOR THE COMBINED SECTION WHEN THE TOPPING IS INSTALLED AND FOR THE MINIMUM SECTION IF THE SCREED IS REMOVED IN THE FUTURE.
  - PT CONTRACTOR TO ADVISE ON ALL TEMPORARY PROPPING REQUIREMENTS.
  - SLAB, BEAM AND DROP PANEL DEPTHS NOMINATED ARE THE MINIMUM DEPTHS REQUIRED TO SATISFY FOOTFALL VIBRATION REQUIREMENTS. REDUCTION OF THESE DEPTHS IS NOT PERMITTED.
  - SOFT ZONES MUST BE PROVIDED ADJACENT ALL INTERNAL COLUMNS TO PROVIDE FOR FUTURE FLEXIBILITY, THESE ZONES MUST BE FREE OF REINFORCEMENT AND POST TENSIONING, REFER TO TYPICAL DETAILS.
  - REFER TO ARCHITECTS DRAWINGS FOR SETDOWNS, PLINTH AND HOB SETOUT, SIZES AND LOCATIONS, ALL HOB'S AND PLINTHS TO BE POURED INTEGRAL WITH PRIMARY STRUCTURAL SLAB, HOB'S & PLINTHS ARE NOT SHOWN ON STRUCTURAL DRAWINGS FOR CLARITY.
  - THE USE OF LIVE LOAD REDUCTION IS NOT PERMITTED.
  - ALL SUSPENDED STRUCTURES TO BE DESIGNED IN ACCORDANCE WITH THE HI STRUCTURAL DESIGN GUIDANCE NOTE NO.1 DATED 22/10/12.
  - PROVIDE A MINIMUM RESIDUAL PRE-STRESS OF 2 MPa TO ALL EXTERNAL SLAB AREAS. THE CONTRACTOR SHALL LIMIT CONSTRUCTION JOINTS IN THESE AREAS, ALL CONSTRUCTION JOINTS TO BE PROVIDED WITH WATERSTOPS IN ACCORDANCE WITH THE RECOMMENDATIONS OF HHS WATERPROOFING SPECIALIST.
  - BALCONIES LAID TO FALLS TO ARCHITECTURAL DETAIL, FALLS N.S.O.P. TYPICAL.
  - PROVIDE A GALVANISED STEEL SHELF ANGLE OR AN APPROVED PROPRIETARY SHELF ANGLE TO ALL SLAB EDGES SUPPORTING EXTERNAL BRICKWORK WALLS, EXTERNAL BRICKWORK SKINS TO BE SUPPORTED AT EACH LEVEL.
  - CONTRACTOR TO ALLOW FOR SECONDARY STEELWORK TO PROVIDE SUPPORT TO ALL ARCH FACADE AREAS TYPICALLY.
  - CONTRACTOR TO ALLOW FOR NON-LOAD BEARING PRECAST ELEMENTS TO BE DESIGNED BY OTHERS, NON-LOAD BEARING PRECAST ELEMENTS NOT SHOWN, REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.

**C1 - R.C. COLUMNS**

GROUND - 600 x 600mm  
LEVEL 1 - 500 x 500mm  
LEVEL 2 - 500 x 500mm  
LEVEL 3 - 450 x 450mm

LEVEL 03 FLOOR GENERAL ARRANGEMENT PLAN

SCALE: 1 : 100

AMENDMENTS		
NO.	DATE	DESCRIPTION
1	10/11/17	PRELIMINARY DESIGN
2	20/11/17	PRELIMINARY DESIGN
3	20/11/17	PRELIMINARY DESIGN
4	20/11/17	PRELIMINARY DESIGN
5	20/11/17	PRELIMINARY DESIGN
6	20/11/17	PRELIMINARY DESIGN
7	20/11/17	PRELIMINARY DESIGN
8	20/11/17	PRELIMINARY DESIGN
9	20/11/17	PRELIMINARY DESIGN
10	20/11/17	PRELIMINARY DESIGN
11	20/11/17	PRELIMINARY DESIGN
12	20/11/17	PRELIMINARY DESIGN
13	20/11/17	PRELIMINARY DESIGN
14	20/11/17	PRELIMINARY DESIGN
15	20/11/17	PRELIMINARY DESIGN
16	20/11/17	PRELIMINARY DESIGN
17	20/11/17	PRELIMINARY DESIGN
18	20/11/17	PRELIMINARY DESIGN
19	20/11/17	PRELIMINARY DESIGN
20	20/11/17	PRELIMINARY DESIGN

**STRUCTURAL ENGINEER**  
**enstruct**  
enstruct group pty ltd  
Level 4, 2 Glen Street  
Miltons Point NSW 2001  
Australia  
Telephone (02) 8504 1444  
Facsimile (02) 9504 1555  
http://www.enstruct.com.au

CLIENT



PROJECT MANAGER



PROJECT

**BOWRAL & DISTRICT HOSPITAL REDEVELOPMENT**

97-103 BOWRAL ST,  
BOWRAL NSW 2576

DRAWING NUMBER

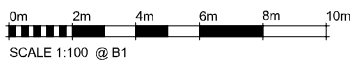
ENS-ST-DWG-103-00

DRAWING NAME

LEVEL 03 GENERAL ARRANGEMENT PLAN

REV

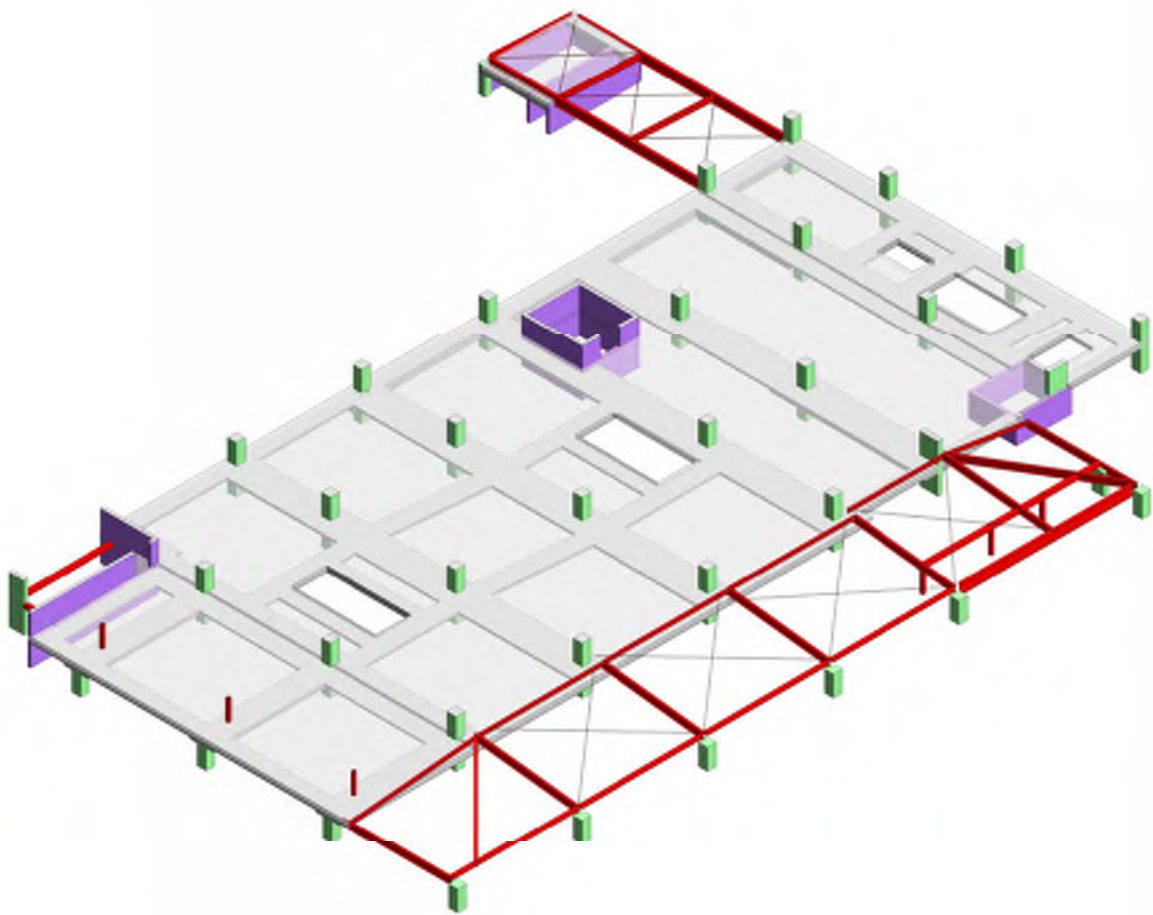
4



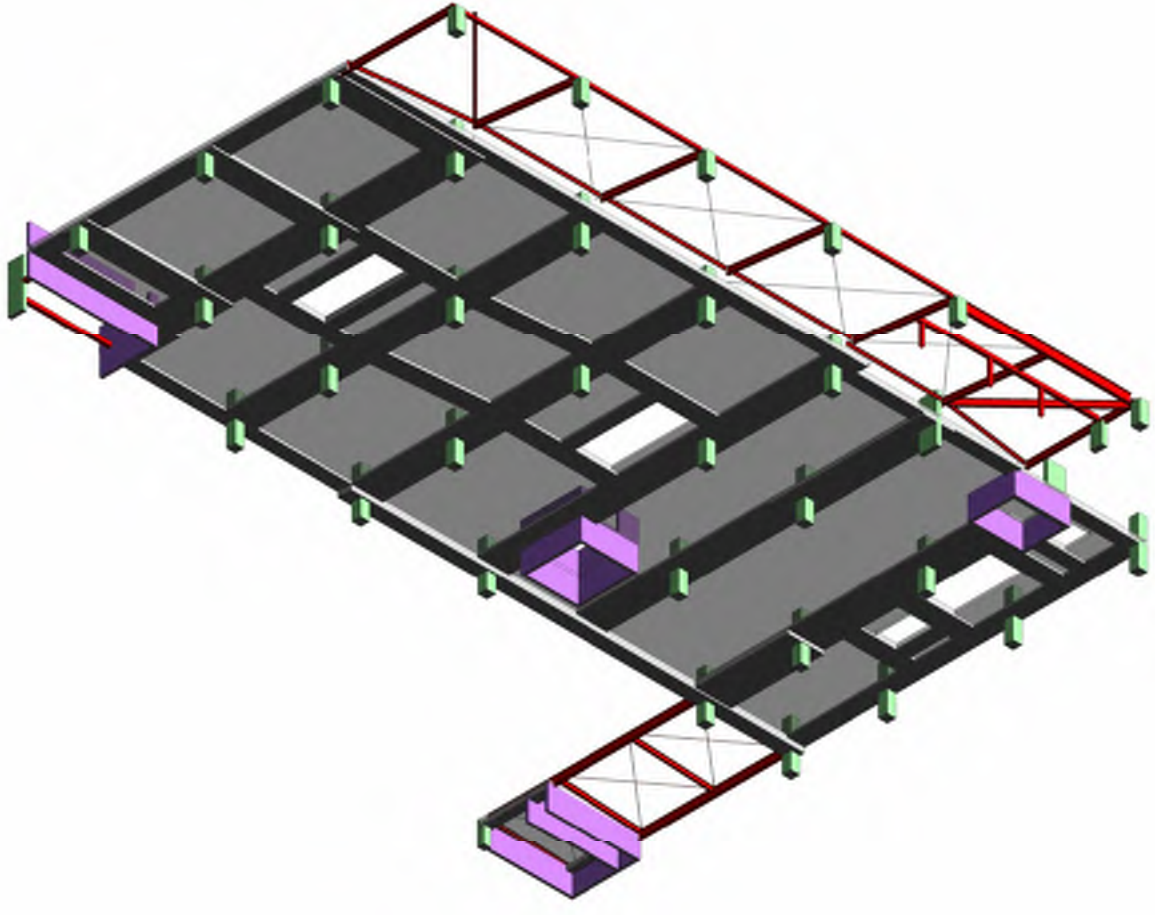
ISSUE DATE

19.12.17

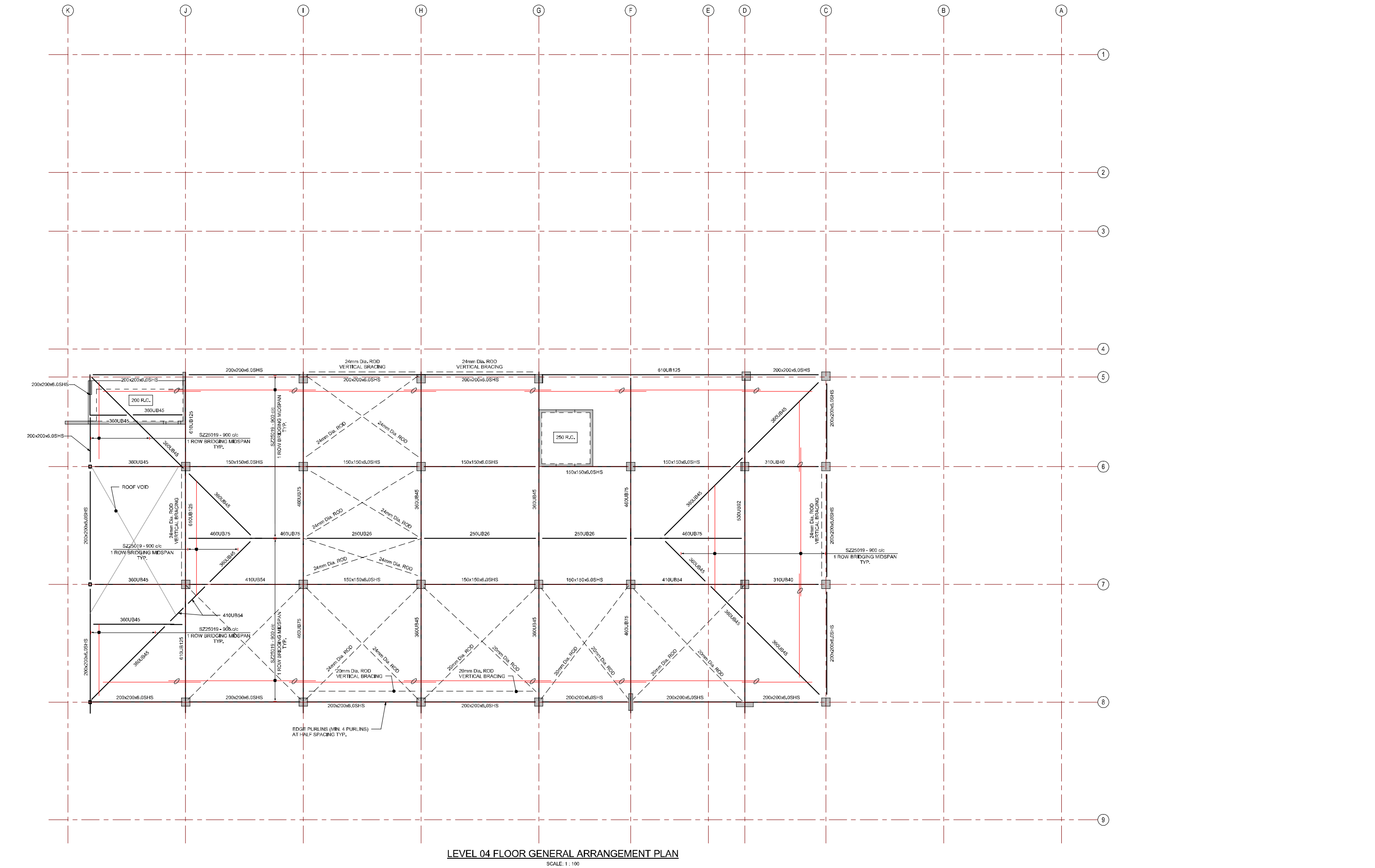




LEVEL 03 3D VIEW OVER



LEVEL 03 3D VIEW UNDER



LEVEL 04 FLOOR GENERAL ARRANGEMENT PLAN  
SCALE: 1 : 100

AMENDMENTS		
NO.	DATE	DESCRIPTION
1	04.11.17	PROVISIONARY DESIGN DEVELOPMENT
2	20.11.17	DESIGN DEVELOPMENT
3	02.12.17	DESIGN DEVELOPMENT

**STRUCTURAL ENGINEER**  
**enstruct**  
enstruct group pty ltd  
Level 4, 2 Glen Street  
Mills Point NSW 2061  
Australia  
Telephone (02) 8504 1444  
Facsimile (02) 9924 1555  
<http://www.enstruct.com.au>

**CLIENT**

**PROJECT MANAGER**

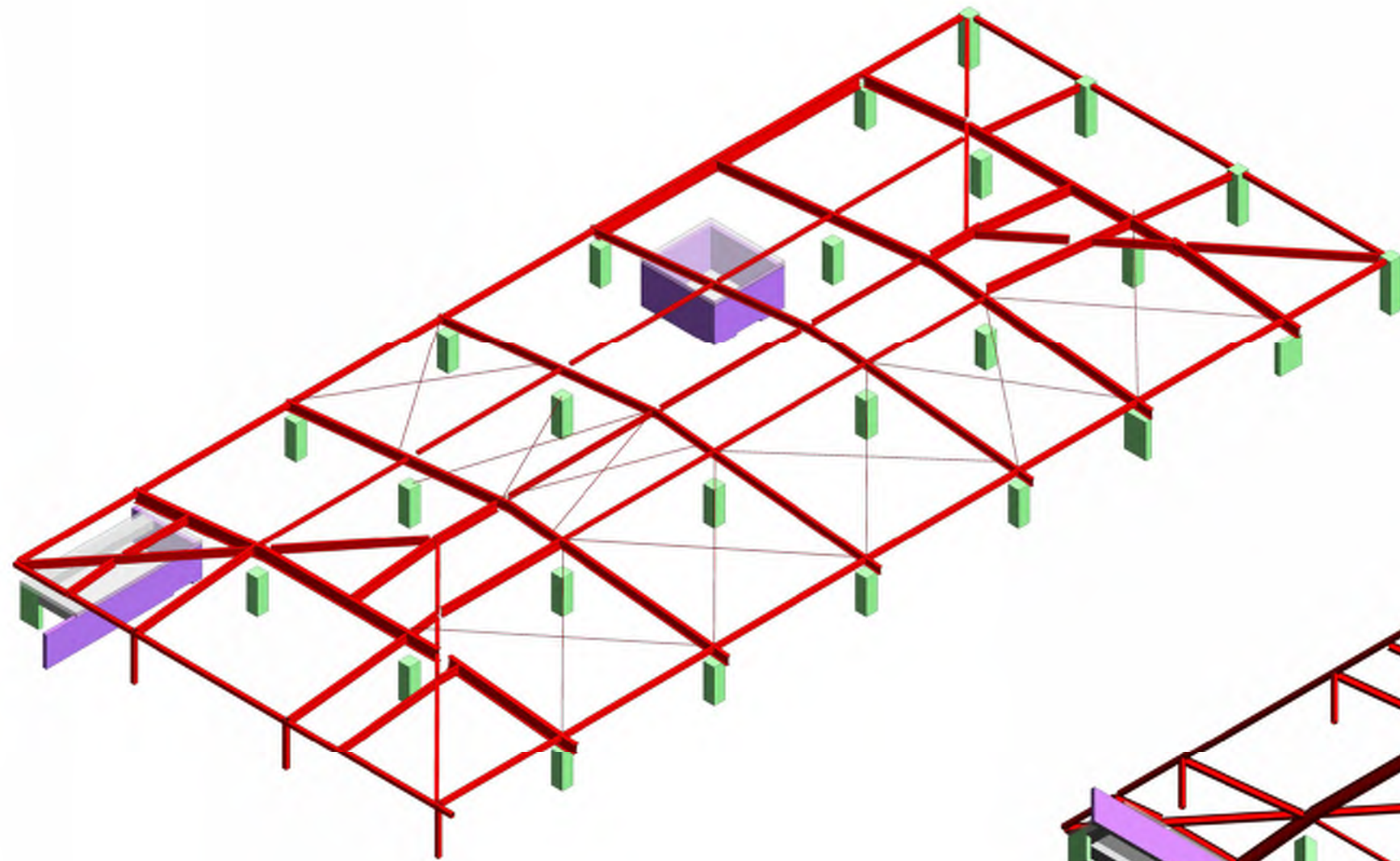
**PROJECT**  
**BOWRAL & DISTRICT HOSPITAL REDEVELOPMENT**  
97-103 BOWRAL ST,  
BOWRAL NSW 2576

**DRAWING NUMBER**  
ENS-ST-DWG-104-00  
**DRAWING NAME**  
LEVEL 04 STEEL ROOF GENERAL  
ARRANGEMENT

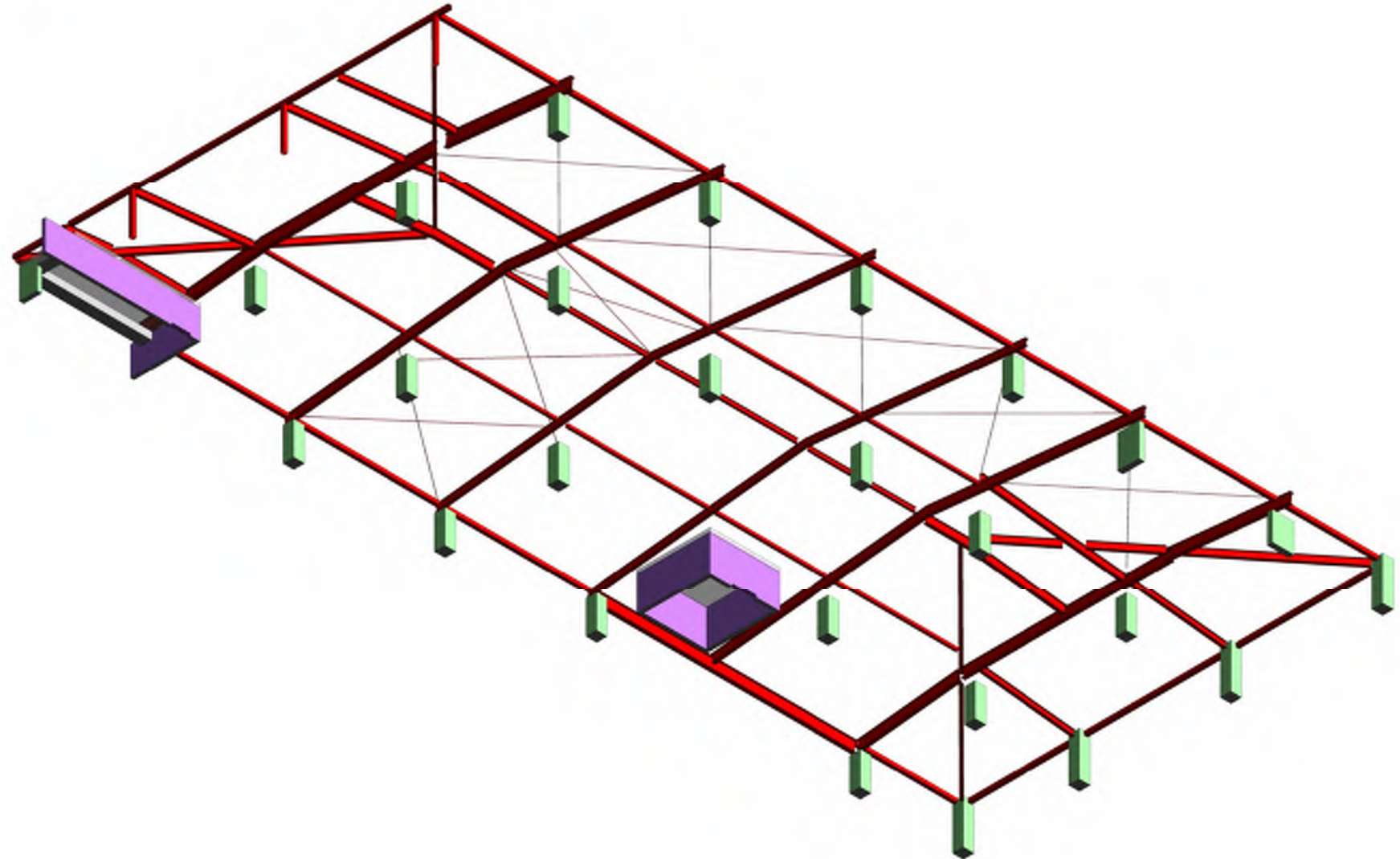
**REV**  
3  
  
  
SCALE 1:100 @ B1

**ISSUE DATE**  
19.12.17





LEVEL 04 3D VIEW OVER  
SCALE:



LEVEL 04 3D VIEW UNDER  
SCALE:

AMENDMENTS			
NO.	DATE	DESCRIPTION	BY
1	04.11.17	PROVISIONAL DESIGN DEVELOPMENT	EN
2	06.11.17	DESIGN DEVELOPMENT	EN
3	07.11.17	DESIGN DEVELOPMENT	EN

STRUCTURAL ENGINEER  
**enstruct**  
enstruct group pty ltd  
Level 4, 2 Glen Street  
Millsboro Point NSW 2501  
Australia  
Telephone: (02) 8504 1444  
Facsimile: (02) 8504 1555  
http://www.enstruct.com.au

CLIENT  
**NSW Health**  
Infrastructure

PROJECT MANAGER  
**TSA**  
MANAGEMENT

PROJECT  
**BOWRAL & DISTRICT HOSPITAL REDEVELOPMENT**  
97-103 BOWRAL ST,  
BOWRAL NSW 2576

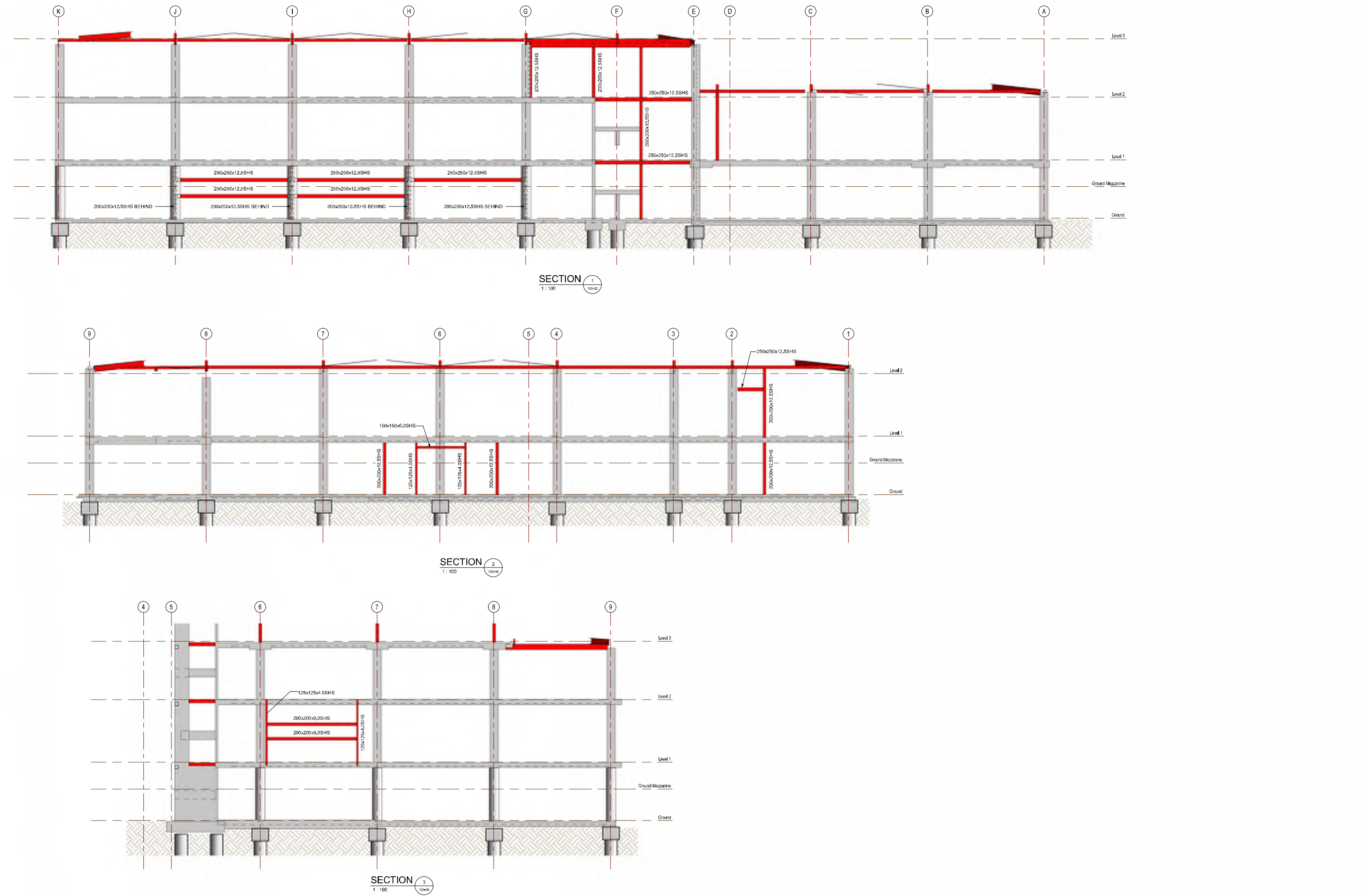
DRAWING NUMBER  
ENS-ST-DWG-104-07  
DRAWING NAME  
LEVEL 04 3D VIEWS

REV  
3

0m 2m 4m 6m 8m 10m  
SCALE 1:100 @ B1

ISSUE DATE  
19.12.17





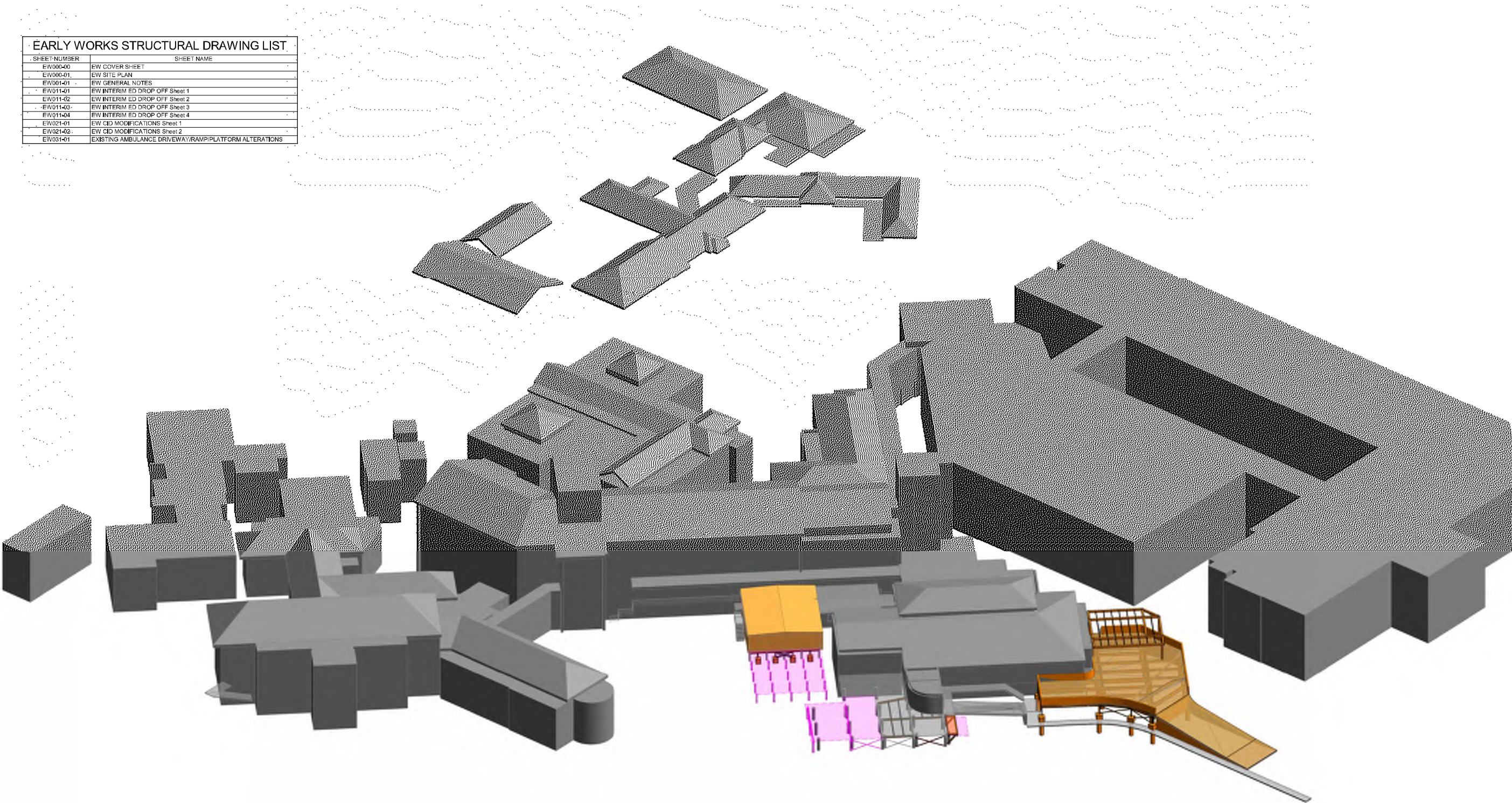


# BOWRAL & DISTRICT HOSPITAL REDEVELOPMENT

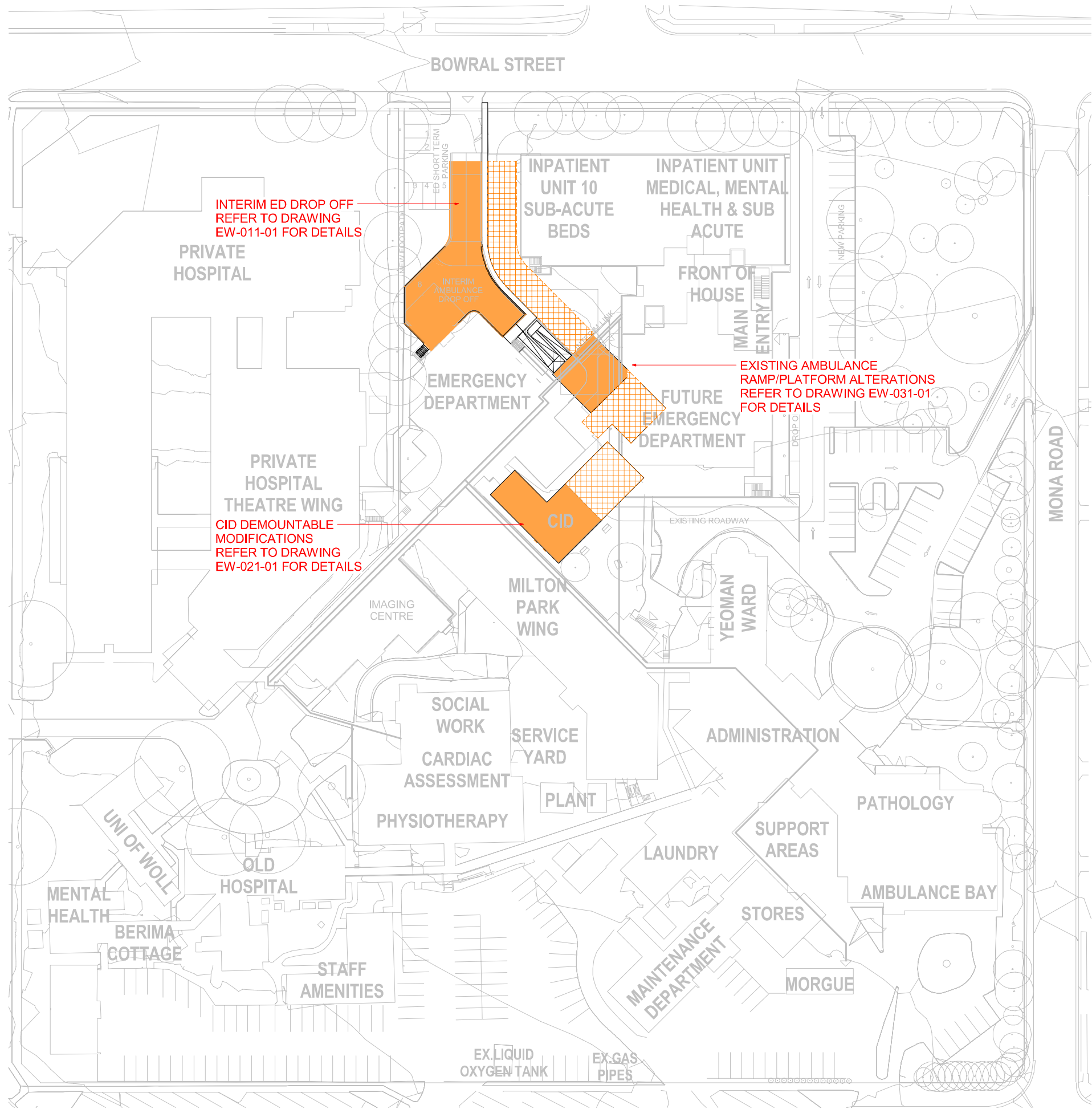
## EARLY WORKS

# enstruct

EARLY WORKS STRUCTURAL DRAWING LIST	
SHEET NUMBER	SHEET NAME
EW000-00	EW COVER SHEET
EW000-01	EW SITE PLAN
EW001-01	EW GENERAL NOTES
EW011-01	EW INTERIM ED DROP OFF Sheet 1
EW011-02	EW INTERIM ED DROP OFF Sheet 2
EW011-03	EW INTERIM ED DROP OFF Sheet 3
EW011-04	EW INTERIM ED DROP OFF Sheet 4
EW021-01	EW CID MODIFICATIONS Sheet 1
EW021-02	EW CID MODIFICATIONS Sheet 2
EW031-01	EXISTING AMBULANCE DRIVEWAY/RAMP/PLATFORM ALTERATIONS







AMENDMENTS			
REV	DATE	SUBJECT	BY
1	20.10.17	PROPOSED	EN
2	21.11.17	PROPOSED	EN
3	22.01.18	PROPOSED	EN
4	22.01.18	PROPOSED	EN
5	22.01.18	PROPOSED	EN
6	22.01.18	PROPOSED	EN
7	22.01.18	PROPOSED	EN
8	22.01.18	PROPOSED	EN
9	22.01.18	PROPOSED	EN
10	22.01.18	PROPOSED	EN

STRUCTURAL ENGINEER  
**enstruct**  
enstruct group Pty Ltd  
Level 4, 2 Glen Street  
Miltons Point NSW 2061  
Australia  
Telephone (02) 8904 1444  
Facsimile (02) 8904 1555  
http://www.enstruct.com.au



PROJECT  
**BOWRAL & DISTRICT HOSPITAL REDEVELOPMENT**  
97-103 BOWRAL ST,  
BOWRAL NSW 2576

DRAWING NUMBER  
130443-ENS-ST-DWG-EW000-01  
DRAWING NAME  
EW SITE PLAN

REV  
A

0m 2m 4m 6m 8m 10m  
SCALE 1:100 @ B1

ISSUE DATE  
22.01.17