All work is to be carried out in accordance with the New Zealand Building Code and local bylaws as they apply eg: ECAN

B1/AS1: Structure. Unless noted otherwise all timbers are to be SG8, and all timber framing is to comply with NZS 3604: 2011.

B2/AS1: Durability. Unless noted otherwise all timber is to be treated to H1.2.

C/AS1: Fire Safety. Refer to the smoke alarm positions on the Floor Plan. Ensure only approved 'hush type' smoke alarm to AS3786, BS15446 pt1, or UL217 as per NZBC F7/AS1 are installed

D1/AS1: Access Routes. Ensure all surfaces along exterior access routes are nonslip to the requirements of the code. The minimum level of finish would be: "Exposed Concrete: Exposed Aggregate concrete Finish"

E1/AS1: Surface Water. Minimum pipe gradients and sizes.
100dia SW pipes fall @ 1:120
Spouting falls to outlet.
74Ø Downpipes min.
Impervious surfaces 1:100 fall min.

All pipes passing through concrete are to be lagged in Denso tape.

E3/AS1: Internal Moisture. 10mm Aqualine GIB behind all wet area fixtures on H1.2 framing; Impervious surface finishes to all bathrooms, Laundries and wet areas.

F2/AS1: Hazardous Building Materials. All glazing to comply with NZS 4223 part 3.

F5/AS1: Construction and Demolition Hazards. All construction and demolition works to comply with the requirements of the code. Site fencing, 2m high to be erected and maintained until build is enclosed and secure.

G4/AS1: Mechanical ventilation shall be provided over kitchen cooktops, showers and baths. The extract fan must have a minimum flowrate of 25L/s for showers and

G9/AS1: Electricity. All Electrical work is to comply with electrical codes of practice and a Certificate of Compliance left with the owner.

G12/AS1: Water Supply. All work carried out to comply with the requirments of this clause. Hot Water Pipes shall be sized to NZBC G12 & NZS 4305:1196. Mains pressure:15mmØ allows 12m max. pipe length. Pipe lengths beyond this must be lagged.

AS/NZS 3500 part 2.2: Foul Water. All work is to comply with the requirements of

Minimum gradients: 40mm drain 1:40

50mm drain 1:40 65mm drain 1:40 100mm drain 1:60

H1/AS1: Energy Efficiency. Refer to the elevations showing how compliance is met.

Drawing Sheet List

Sheet Number	Sheet Name	Current Revis		
000	Cover Sheet	13		
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100.2	Site Levels	12		
100.3	Landscaping Plan	13		
110.1	Ground Floor Plan	13		
110.2	First Floor Plan	13		
110.3	Foundation & Plumbing Plan	13		
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120.1	Elevations N & S	12		
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150.5	Joinery Details	12		
160.1	Lighting Plan	12		
160.2	Electrical Plan	12		

PROPOSED MULTI-UNIT DEVELOPMENT

for Oak Property Ltd

11 Hulbert Street, Linwood, Christchurch, 8062



REVISION			BY				
NO.	DESCRIPTION	DATE	DESIGN	- JL			
8	RC RFI	2022-11-17	DRAWN - LH				
9	BC RFI	2022-11-28	CHECKED	CHECKED - JL			
10	RC RFI	2023-02-08	APPROVED - JL				
11	BC Update	2023-02-13	This drawing and its contents are the property of				
12	Construction Set	2023-02-20	AP Design Limited. Any unauthorised employment or reproduction, in full or in part, is forbidden.				
13	Site Survey Drain Update	2024-07-16					



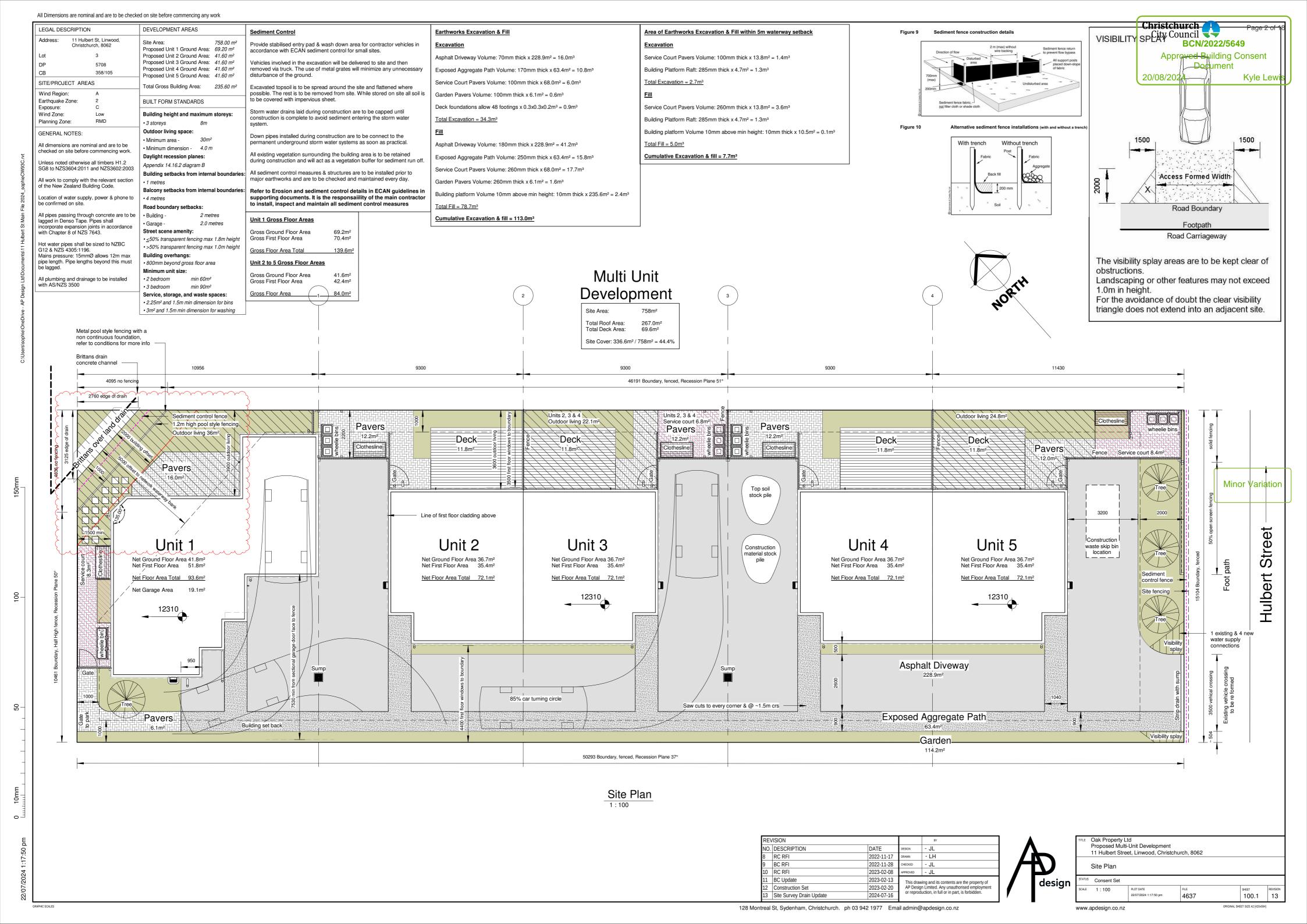
	Oak Property Ltd Proposed Multi-Unit Development 11 Hulbert Street, Linwood, Christchurch, 8062							
		Cover Sheet						
n	STATUS Consent Set							
•	SCALE	1:100	PLOT DATE 22/07/2024 1:17:48 pm	4637		SHEET 000	RE	

128 Montreal St, Sydenham, Christchurch. ph 03 942 1977 Email admin@apdesign.co.nz

Christchurch City Council BCN/2022/5649 Approved Building Consent

Document 20/08/2024 Kyle Lewis

Minor Variation



Unless noted otherwise all timbers H1.2 SG8 to NZ3604:2011 and NZS3602:2003

All work to comply with the Relevant Sections of the New Zealand Building Code, Local Authority By-laws & regulations, Drainage & Plumbing Regulations, Electrical Wiring Regulations and all current amendments of the above document.

C1-4: Refer to the smoke alarm positions on the floor plans. Ensure only approved 'hush type' smoke alarms to AS3786, BS5446 pt1, or UL217 are installed as per NZBC F7/AS1. Max 3m from Bed rooms

Bathroom / WC Fittings & Fixtures

Bathroom / WC fittings & fixtures to be supplied by the client & installed by the contractor

Client Supplied & Fitted

Kitchen units & bench tops to be supplied & fitted by the client

Carpet & Vinyl to be supplied & fitted by the client

Kitchen Appliances

Kitchen appliances to be supplied by the client & fitted by the contractor

Kitchen, WC & Bathrooms

All sinks, basins & vanitys to have built in overflow

Floor Plan Notes:

Exterior & load bearing walls Lower Floor: 90x45mm H1.2 SG8 framing, studs @ 400crs, No dwangs, No notching of studs, double top plate

Exterior & load bearing walls Upper Floor:

90x45mm H1.2 SG8 framing, studs @ 600crs, dwangs @ 900crs,

Internal & non load bearing wall framing: 90x45mm H1.2 SG8 framing, studs @ 600crs, No dwangs

Dwangs as required for fixtures & sheet joints behind showers

First floor 90x45mm packed framing on 2/190x45mm stringers fixed & fixed back to 90x45mm first load bearing framing

Steel posts to engineers design with 90x45mm studs as per above & dwangs @ 800crs

Intertenancy Fire Wall System INTA120d:

Integra 50mm AAC panel with 25mm gap to both sides fixed to 90x45mm H1.2 SG8 framing with stude @ 600crs & dwangs @ 800crs. R2.8 - 90mm batts both sides & lined with 10mm GIB

Wall Cladding Lower Floor:

70mm brick veneer with 10mm raked mortar joints over 40mm drained cavity with weep holes to every 3rd perpend along base & fixed to framing with EM brick ties @ 600crs horizontally & 400crs vertically max (material to NZS4210) with 45mm long 12g hex washer face screws

Wall Cladding Upper Floor: Metalcraft 0.55BMT Espan 340 flat pan powdercoated colorsteel fixed with espan clips to 20mm horizontal cavibats @ 900crs with 60mm long 12g screw, solid cavity batten to top

All fixings to manufacturers specifications

Building RAB: 7mm Ecoply Barrier (6mm JamesHardies RAB board to balloon framing)

Internal Linings:

Walls standard: 10mm GIB flush stopped to L4, paint finished Ceilings standard: 13mm GIB flush stopped to L4, paint finished

Wall Wet Areas: 10mm Aqualine GIB flush stopped to L4, paint

Ceiling Wet Areas: 13mm Aqualine GIB flush stopped to L4, paint

Aluminium Joinery:

Selected profile powdercoated & double glazed with colour matched hardware & 19mm rebated reveals paint finished

Mid floor: R1.6 - 70mm Snugfloor batts

Ceilings: 2 layers, R2.2 - 115mm batts layed in cross directions

<u>Secondary Private Stairs</u> Tread = 260mm

Walls: R2.8 - 90mm batts

Riser = 190.7mm

Nosing = 20mm To be confirmed by stair manufacturer on site

35Ø timber handrail set 45mm from wall & 920mm above pitch line

KEY: Smoke Alarm: SM HWC Hot water cylinder: Dishwasher Machine Washing Machine: Toilet Suite: Smart Meter/Distribution Board wc DB Ceiling hatch attic stairs

43470 9440 9300 9300 9300 11430 5870 3570 6130 6130 6130 120 90 950 90 4740 4740 5780 3150 120,90 950 90 4740 115 50 115 4740 90 950 90 120 115 50 115 90 950 90 120 Pavers Pavers Pavers 12.2m² 12.2m² Deck Deck Deck Deck Pavers Clothesline Clothesline _ -11.8m² Pavers [⊥]12.0m² **Ninor Variation** Living Rm Living Rm Living Rm Living Rm Garage 120.3 Kitchen / Dining Kitchen / Dining Kitchen 130.2 120,90 90~100~90 1600 90 90~100~90 3170 1040 10180 10180 D 120.6 E 120.6 C 120.5 Ground Floor Plan

> NO. DESCRIPTION DATE - JL Documentation 2022-07-26 2022-11-17 RC RFI BC RFI 2022-11-28 RC RFI 2023-02-08 This drawing and its contents are the property of AP Design Limited. Any unauthorised employment or reproduction, in full or in part, is forbidden. 2023-02-20 Construction Set 13 Site Survey Drain Update 2024-07-16

Proposed Multi-Unit Development 11 Hulbert Street, Linwood, Christchurch, 8062 Ground Floor Plan design TUS Consent Set 1:100 4637 22/07/2024 1:17:51 pm

www.apdesign.co.nz

110.1 13

City Council **T**

20/08/202

BCN/2022/5649

Building Consent

Kyle Lewis

A minimum of 1 tree shall be provided for every 250m² of gross site area with a minimum of 1 tree to be along the road boundary. Trees to be 1.5m high minimum at planting.

Areas: Garden = 112.3m²
Decking = 47.2m²
Service Court Permeable Pavers = 68.0m² Garden Pavers = 6.1 m² Concrete, Exposed Aggregate = 63.4m² Asphalt, Driveway = 228.9m²

Site Area = 758m² 20% of Site Area = 151.6m² min

Landscaped Area

Garden: 112.3m² / 758m² = 14.81% Decking: 47.2m² / 758m² = 6.23% Garden Pavers: 6.1m² / 758m² = 0.8%

Total Landscaping Area = 21.84% Site Area / 250m² = 3.03 trees required

Trees provided = 12

Note: Worcester Reserve is accessible through the back fence

Pervious Area

Garden: $112.3m^2 / 758m^2 = 14.81\%$ Decking: 47.2m² / 758m² = 6.23% Garden Pavers: 6.1m² / 758m² = 0.8% Service Court Pavers: 68.0 / 758 = 8.97%

Total Pervious Area = 30.81%

Landscaping plan to be printed in colour

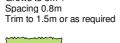
Planting types & location are indicative & to be confirmed with

Provide latches to all gates



LIRIOPE MUSCARI

GRISELINIA 'BROADWAY MINT' Grows to 45cm tall & 45cm wide Grows to 5m + Spacing 40cm





LIBERTIA IXOIDES
'TAUPO BLAZE'





PSEUDOPANX FEROX













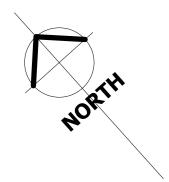
1.8m high fences between units: 100x100mm H4 fence posts 100x50mm H3.2 fence rails 190x45mm H4 base boards 150x25mm H3.2 paling 140x45mm H3.2 sloped fence cap

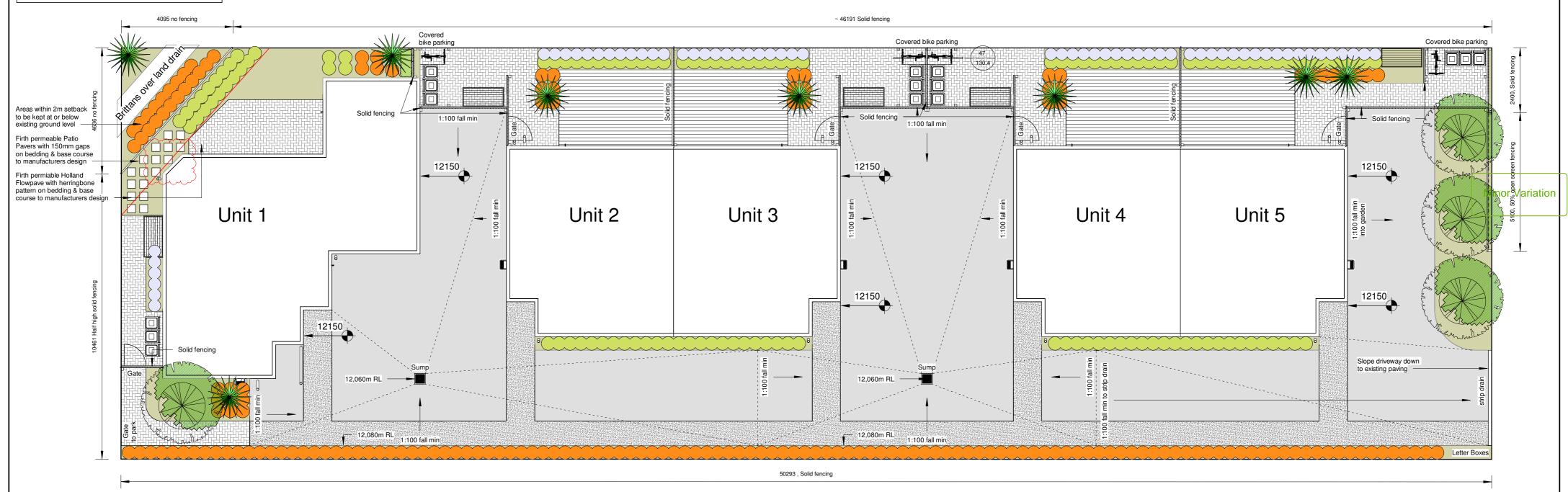
All stain finished



1.8m Screen fence along road boundary 100x100mm H4 fence posts 100x50mm H3.2 fence rails 190x45mm H4 base boards 45x45mm H3.2 battens @ 100mm crs







Type 1 Sump Calculation:

Driveway Area = 292.3m² Rainfall intensity, I = 39mm/hr

Type 1 sumps can take:

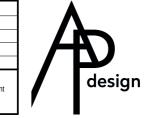
4,500mm/l 4,500/39 = 115m²

 $\frac{\text{Sumps needed}}{292.3\text{m}^2 / 115\text{m}^2} = 2.5$

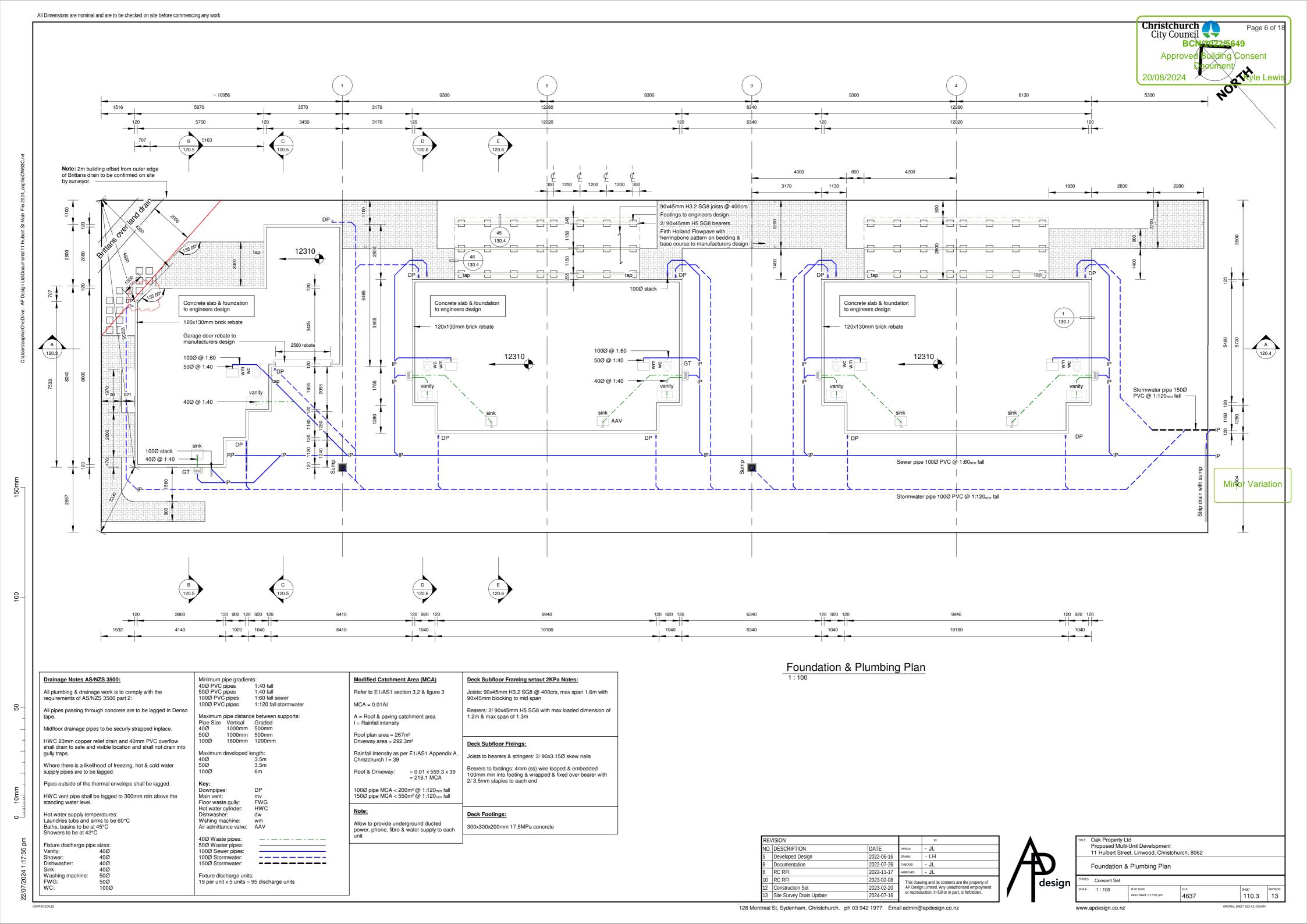
Unit 1 & 2 sump = 108m² Units 3 & 4 sump = 104m² Unit 5 strip drain = 53m²

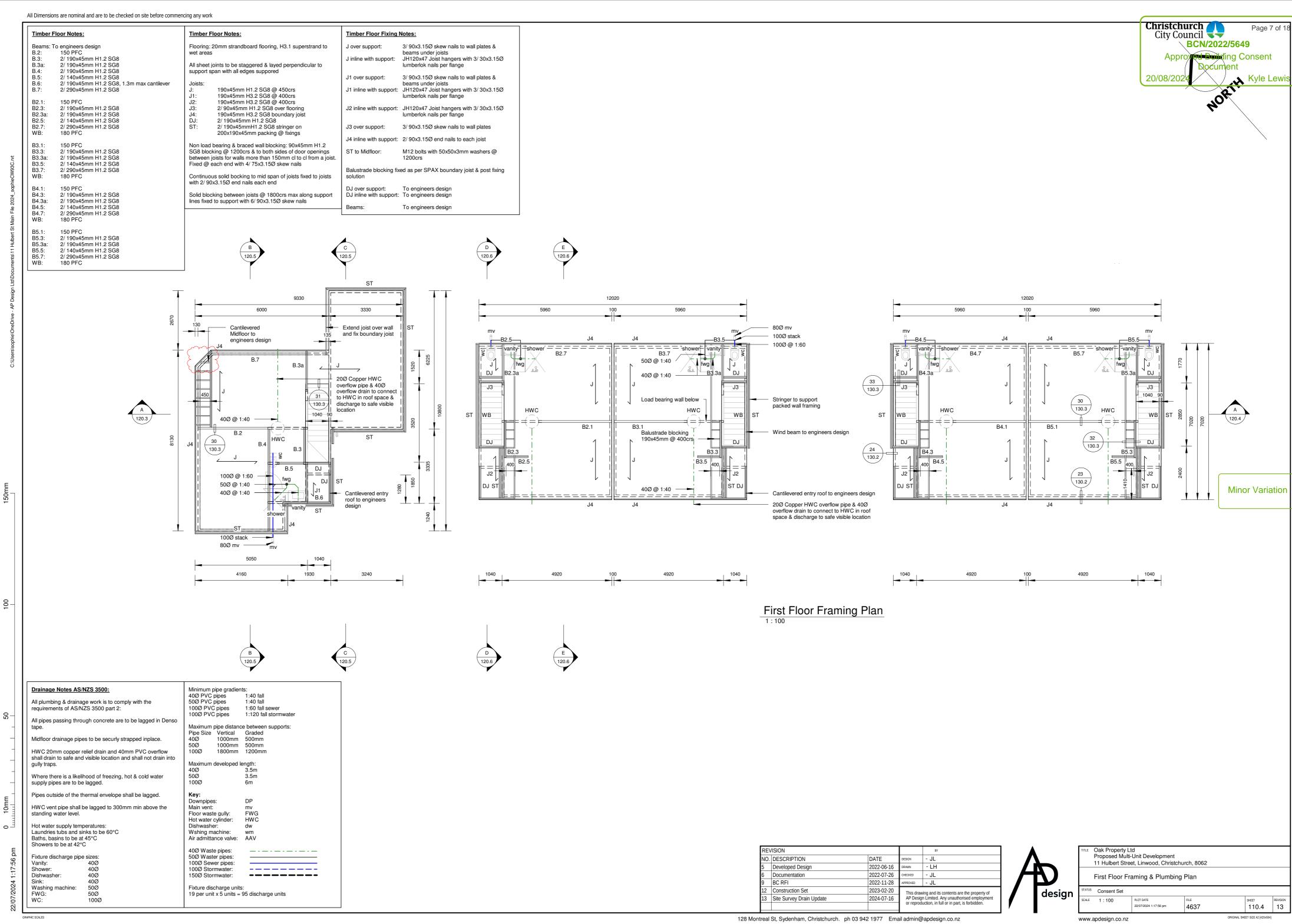
Landscaping Plan

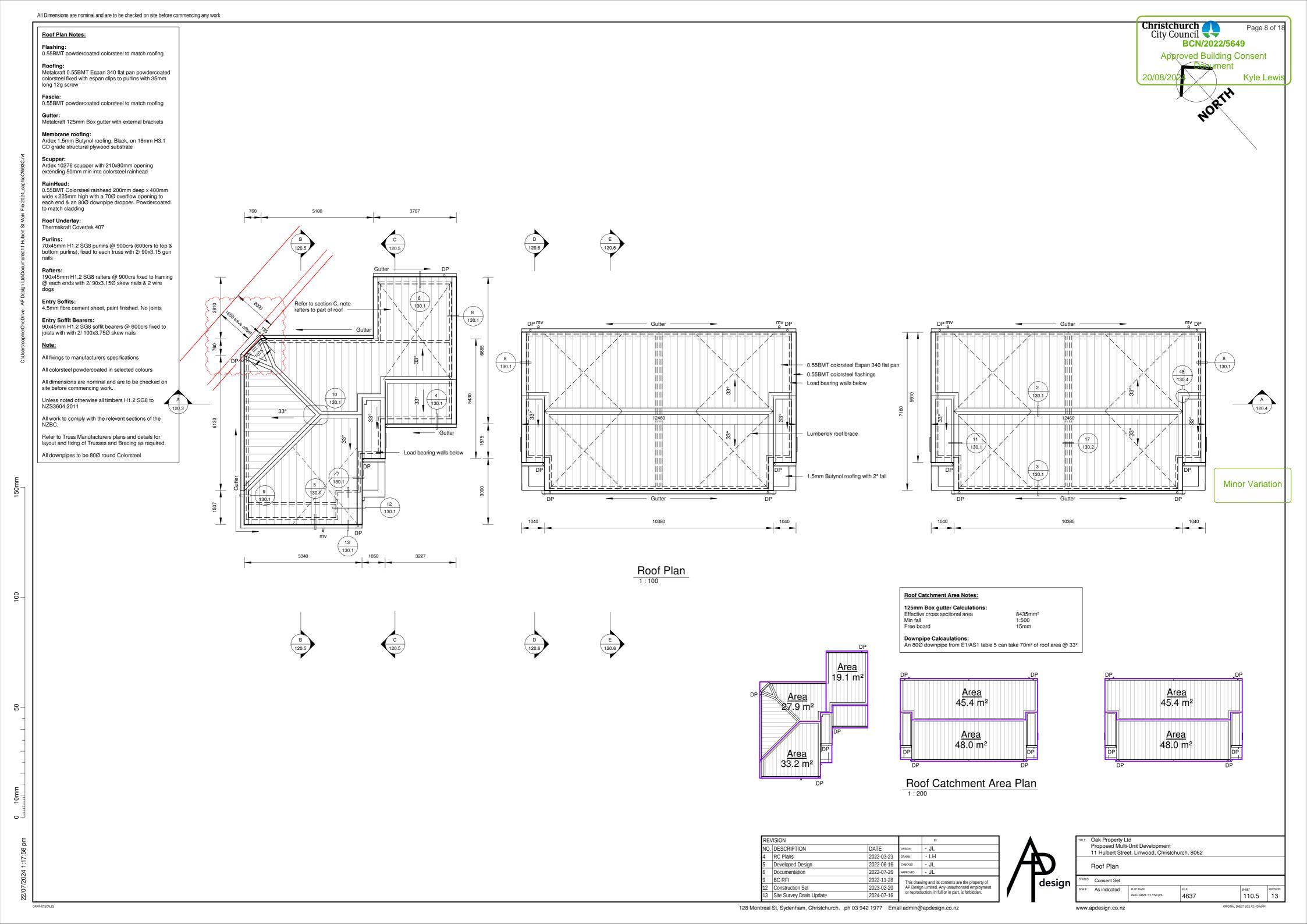
REVISION NO. DESCRIPTION DATE - JL Developed Design 2022-06-16 Documentation RC RFI 2022-07-26 HECKED - JL 2022-11-17 RC RFI 2023-02-08 This drawing and its contents are the property of AP Design Limited. Any unauthorised employment or reproduction, in full or in part, is forbidden. 2023-02-20 Construction Set 13 Site Survey Drain Update 2024-07-16



	Oak Property Lt				
	Proposed Multi-	Unit Development			
	11 Hulbert Stree	et, Linwood, Christchu	ırch, 8062		
	Landscaping	Plan			
STATUS	Consent Set				
SCALE	1:100	PLOT DATE	FILE	SHEET	REVIS
		22/07/2024 1:17:53 pm	4637	100.3	13
\A/\A/\A/	andesian co nz	•	ORIGINAL	SHEET SIZE A2 [420x594]	









NEW UNIT DWELLINGS 11 HULBERT ST. LINWOOD

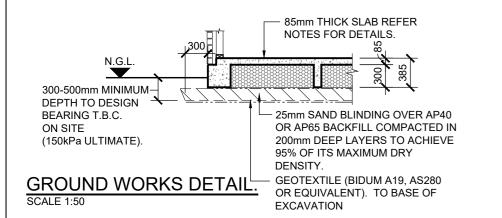
STRUCTURAL DRAWING LIST 13404

DWG No.	TITLE						
S1.01	FOUNDATION LAYOUT		0	0	0	0	1
S1.02	GROUND FLOOR LAYOUT WITH 1ST FLOOR STRUCTURE OVER		0	1	1	1	2
\$1.03	GROUND FLOOR BRACING LAYOUT		0	1	1	1	2
S1.04	FIRST FLOOR BRACING LAYOUT		0	1	1	1	2
S2.01	FOUNDATION DETAILS		0	0	1	1	1
S3.01	STRUCTURAL BEAM CONNECTION DETAILS		0	1	1	1	1
S3.02	STRUCTURAL BEAM CONNECTION DETAILS		0	0	0	0	0
S3.03	STRUCTURAL BEAM CONNECTION DETAILS		0	1	1	2	2
ISSUED TO:							
	simon.oakproperty@gmail.com		Α	В	С	D	Е
		DATE	12-07-2022	28-07-2022	02-08-2022	07-11-2022	25-07-2024

Minor Variation

Christchurch.
Unit 6, 75 Peterborough St, Christchurch.
PO Box 21381, Christchurch 8143.
Phone 03 365 3243,
Email cory@constructure.co.nz

Auckland Office
63 Ponsonby Road, Suite 2.1,
Ponsonby, Auckland 1021
Phone: 09 320 5226
Email: james@constructure.co.nz



CURING AND PROTECTION:

- TAKE CARE TO PROTECT AND CURE ALL CONCRETE ADEQUATELY, AND IN ACCORDANCE WITH NZS 3109.
- APPLY A CURING COMPOUND TO ALL CONCRETE FLOOR SLABS IMMEDIATELY ON COMPLETION OF THE SURFACE FINISHING, OR ALTERNATIVELY, CURE BY PONDING.

FOUNDATION AND SLAB TO BE FORMED IN SINGLE POUR USING EITHER ALLIED/ASHBY CONCRETE MIX CODE 252 CONSF, READYMIX 2519RRS, FIRTH RP2519TC2 OR SIMILAR APPROVED STEEL FIBRE REINFORCED CONCRETE.



75mm APART. 20/08/2024 Kyle Lewis

> POLYSTYRENE PODS. CUT TO SUIT ON SITE AS REQUIRED.

DENOTES 300mm WIDE PERIMETER STRIP FOOTING.

DENOTES 300mm WIDE INTERNAL STRIP FOOTING. (TO BE LOCATED UNDER ALL LOAD BEARING WALLS

WHERE APPLICABLE)

DENOTES 100mm WIDE RIB IN

DENOTI PODS/P

DENOTES SPECIFIC SETOUT PODS/POINT. PODS RADIATE FROM THERE.

SP. PC

DENOTES SPECIFIC (1.5x1.5m SPAN MAX.) POLYSTYRENE PODS BY ADDING HALF PODS TO THE END IF THE STRIP IS MORE THAN 500mm WIDE. CUT TO SUIT ON SITE.

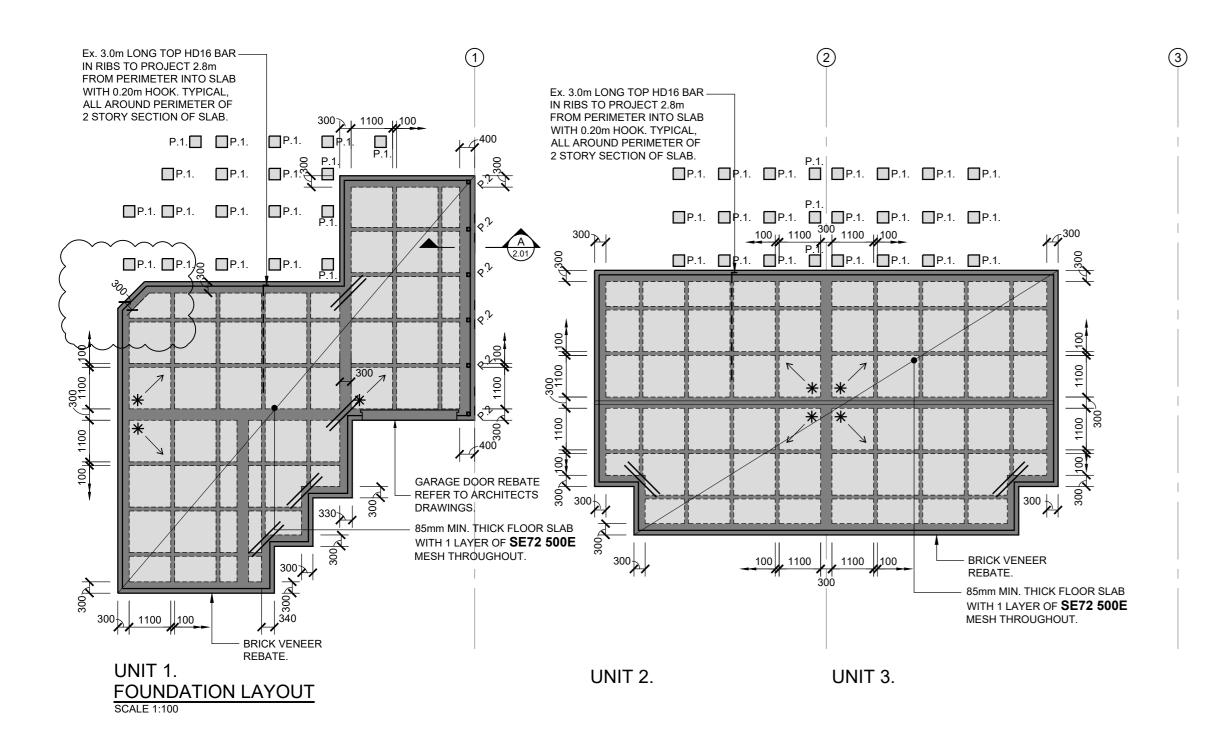
DENOTES DECK PILES AS
PER 3604. FOOTING SIZE
FOR 150kPa ULTIMATE BEARING
CAPACITY ARE 300x300x200
DEEP

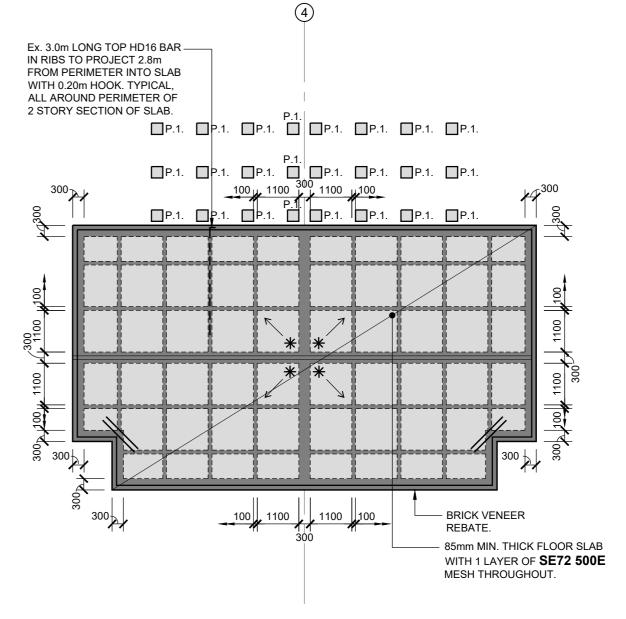
89x6 SHS FIRE POST @ RIB LOCATIONS. MAX. HEIGHT 6400mm.

NOTES:

- 300mm WIDE EXTERNAL STRIP FOOTING CAN BE THICKENED TO A MAX. OF 500mm WIDE TO MINIMIZE CUTTING OF PODS. THE SAME REINFORCING TO BE USED WITH MASS CONCRETE ON THE OPPOSITE SIDE OF WALL LOCATION.
- 300mm WIDE INTERNAL STRIP
 FOOTING CAN BE THICKENED TO A
 MAX. OF 500mm WIDE TO MINIMIZE
 CUTTING OF PODS. THE SAME
 REINFORCING TO BE USED
 (REINFORCING CAGE TO BE LOCATED
 UNDER WALLS WHERE APPLICABLE).
- FLOOR SLABS TO BE-85mm THICK
 WITH 1 LAYER MESH. LAP ALL MESH A
 MINIMUM OF 2-CROSS WIRES, BUT
 NOT LESS THAN 225mm.
- FOR ALL REBATES AND OTHER SLAB
 RECESSES DRAINAGE LOCATION
 REFER TO ARCHITECTS DRAWINGS.
 NOTIFY THE STRUCTURAL ENGINEER
- OF ANY DISCREPANCIES.

 300mm MIN. FOUNDATION BEAMS
 SETOUT AS PER DRAWINGS, POD AND
 100mm RIB SETOUT INDICATIVE.





UNIT 5.

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS



Christchurch Office
Unit 6, 75 Peterborough St, Christchurch.
PO Box 21381, Christchurch 8143.
Phone 03 365 3243,
Email cory@constructure.co.nz

Auckland Office 63 Ponsonby Road, Suite 2.1, Ponsonby, Auckland 1021 Phone: 09 320 5226 Email: james@constructure.co.nz

OAK PROPERTY LTD.

PROJECT TITLE

11 HULBERT ST.
LINWOOD,
CHRISTCHURCH

FOUNDATION LAYOUT AND GROUND WORKS DETAIL

UNIT 4.

 REV.
 BY.
 DATE:
 COMMENT:

 0
 T.T.
 12-07-2022
 ISSUED FOR CONSTRUCTION

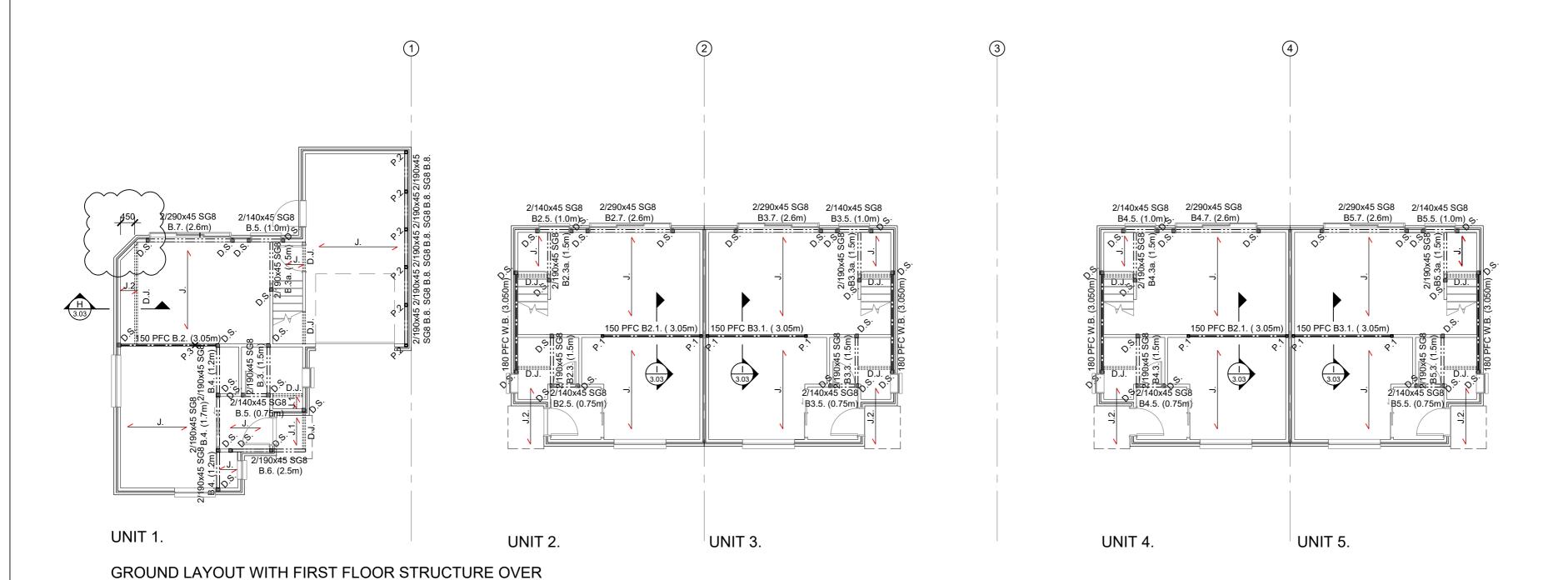
 1
 K.M.
 25-07-2024
 UNIT 1 LAYOUT REVISED

DESIGN. JOB No.
S.D. 13404

DRAWN. SCALE @ A2
T.T. 1:100/1:50

S1.01

CONSTRUCTION ISSUE



MEMBERS ARE MAXIMUM
DESIGNED SPAN AND NOT TO BE
USED AS BEAM LENGTH, CONFIRM

DESIGNED SPAN AND NOT TO BE USED AS BEAM LENGTH. CONFIRM LENGTH ON SITE PRIOR TO FABRICATION. NOTIFY THE STRUCTURAL ENGINEER IF THE ACTUAL LENGTH IS LONGER THAN THE DESIGN LENGTH.

• ALL BEAMS, LINTELS AND SHS

LENGTH NOTED NEXT TO BEAM

Christchurch
LEGENOCOuncil

√ 5xBSHN/2022/5649

Appsexverds Postiogn © DOS ATIONS.
 Appsexverds Postiogn © Postion
 Appsexverds Postion © P

190x45 SG8 @ 400crs (1300mm MAX. CANTILEVER) FIX BACK TO D.J.

SG8 - 2/100x3.75 HAND DRIVEN SKEWED NAILS OR 3/90x3.15 POWER DRIVEN

- DOUBLE JOISTS ARE TO BE PLACED UNDER ALL LOAD BEARING AND BRACED WALLS THAT RUN PARALLEL TO JOISTS. (FOR NON-LOAD BEARING WALLS SOLID BLOCKING BETWEEN JOISTS AT 1200crs MAX. MAY BE USED.

- SOLID BLOCKING TO BE FIXED UNDER ALL WALLS RUNNING PERPENDICULAR TO JOISTS AND AT MID SPAN WHERE

2/100x3.75 HAND DRIVEN SKEWED NAILS OR 2/90x3.15 POWER DRIVEN

SHEET S3.01

SHEET S3.01 SHEET S3.01

SHEET S3.01 SHEET S3.01

SHEET S3.01

SHEET S3.01

SHEET S3.01

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SHEET S3.02 SHEET S3.02

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SHEET S3.02

SHEET S3.02

SHEET S3.02

SHEET S3.02 SHEET S3.02

SHEET S3.02

LINTEL B5.7 - SHEET S3.02 WIND BEAM W.B.-SHEET S3.02 BEAM B8 - SHEET S3.03

SHEET Migror Variation

FOR STRUCTURAL BEAM CONNECTIONS DETAILS REFER TO THE FOLLOWING

WITH JOIST HANGER.

D.J. DOUBLE JOIST 2/190x45

JOIST FIXINGS TO TOP PLATE:

SKEWED NAILS.

REFER NZS3604 7.1.3.5)

SPANS EXCEED 2.5m.

TRUSS FIXINGS TO TOP PLATE: SG8 - 2/WIRE DOGS WITH EITHER

SKEWED NAILS.

TRUSSES:

DRAWINGS

BEAM B2.1 -

BEAM B3.1 -

BEAM B4.1 -BEAM B5.1 -

BEAM B2.3 -

BEAM B3.3 -

BFAM B4 3 -

BEAM B2.3a -

BEAM B3.3a -

BEAM B4.3a -

BEAM B5.3a -LINTEL B.4 -

LINTEL B.5 -

LINTEL B2.5 -LINTEL B3.5 -

LINTEL B4.5 -

LINTEL B5.5 -

BEAM B.6 -

LINTEL B.7 -

LINTEL B2.7 -

LINTEL B3.7 -LINTEL B4.7 -

STEEL NOTES:

BEAM B.2

BEAM B.3

BEAM B5.3 -BEAM B.3a -

POSTS TO BE CENTRED ON STUD FRAMING LINES (U.N.O).

TIMBER BEAM DEPTHS AS SHOWN

ARE MINIMUM REQUIRED DEPTHS.
DEPTH OF TIMBER BEAMS CAN BE
INCREASED TO SUIT FLOOR DEPTH
IF SO DESIRED.

ALLOW FOR 45mm THICK SG8
 STUDS/ PLATES TO BE BOLTED TO
 STEEL MEMBERS IF REQUIRED TO
 ALLOW FOR FIXING OF TIMBER
 ERAMING OR JOINERY

FRAMING OR JOINERY.
NOTIFY THE STRUCTURAL
ENGINEER OF ANY DISCREPANCIES.

CONSTRUCTION ISSUE



Christchurch Office
Unit 6, 75 Peterborough St, Christchurch.
PO Box 21381, Christchurch 8143.
Phone 03 365 3243,
Email cory@constructure.co.nz

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS

Auckland Office 63 Ponsonby Road, Suite 2.1, Ponsonby, Auckland 1021 Phone: 09 320 5226 Email: james@constructure.co.nz

OAK PROPERTY LTD.

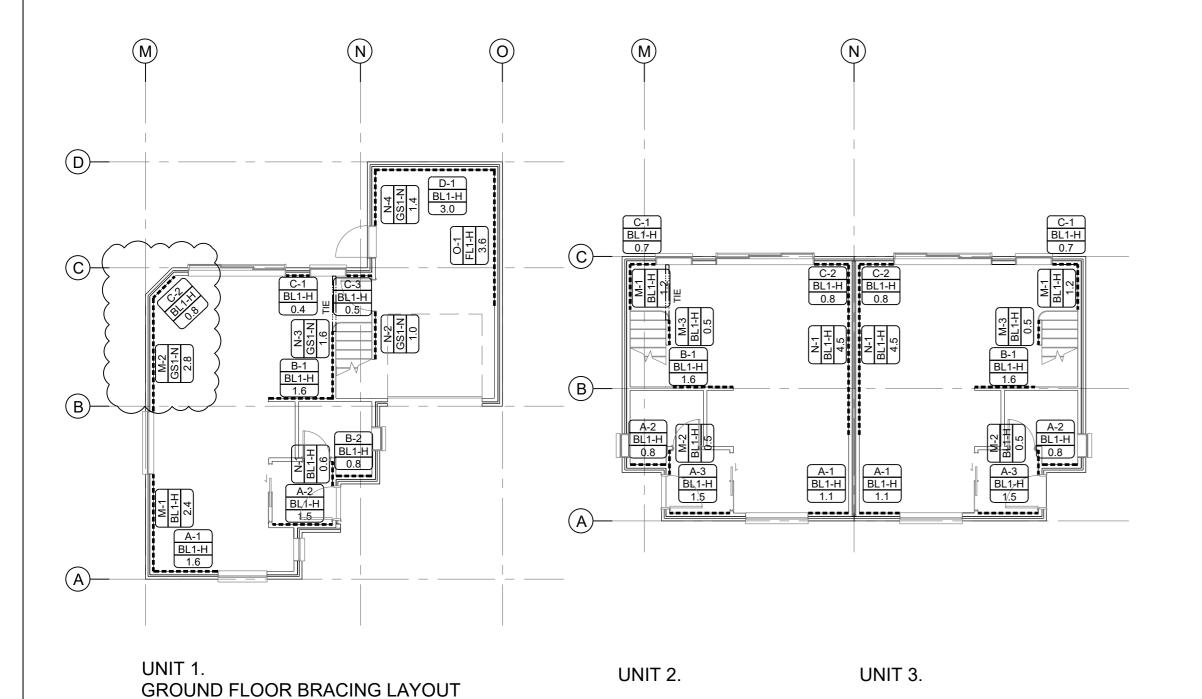
11 HULBERT ST. LINWOOD, CHRISTCHURCH GROUND FLOOR LAYOUT
WITH ROOF SUPPORT OVER.

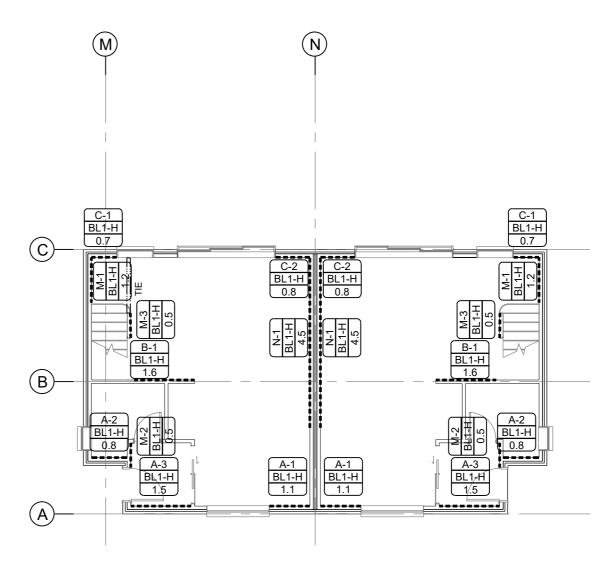
DESIGN. JOB No. DRAWING No.
S.D. 13404

SCALE @ A2

1:100

2





UNIT 4. UNIT 5.

Christchurch

KEİTY Council

A-1

GBF4400 proraclina sixisiii pin Consent
2.0

ELEMENT LENGTH IN METRES.

20/08/2024

WALLS ON THIS LINE TO BE

CONNECTED TO THE
PERIMETER WALLS AT TOP
PLATE LEVEL, EITHER
DIRECTLY OR THROUGH
FRAMING MEMBERS IN LINE
WITH THE TOP OF THE WALL
AS PER NZS3604: 2011 8.7.3.4
(CONNECTION CAPACITY TO
BE A MIN. OF 6kN).

BRACING NOTES:

- LENGTHS SHOWN ARE MINIMUMS USED FOR CALCULATIONS. USE FULL WALL LENGTHS IN CONSTRUCTION WHERE PRACTICAL.
- REFER TO MANUFACTURERS
 SPECIFICATION FOR FASTENERS
 DETAILS FOR EACH BRACING
 SYSTEM.
- TOP PLATE CONNECTIONS:
 THE TOP PLATE OF A WALL THAT
 CONTAINS ONE OR MORE WALL
 BRACING ELEMENTS SHALL BE
 JOINED WITH 6kN CONNECTIONS
 (25x0.9mm GALVANISED MS STRAP
 AND SIX 30x2.5mm GALVANISED NAILS
 ON EACH END, A LUMBERLOK
 'PLATELOCK' OR APPROVED SIMILAR).
- TOP PLATE CONNECTIONS,
 INTERNAL WALL TO EXTERNAL
 WALLS:
- THE TOP PLATE OF AN INTERNAL WALL THAT CONTAINS ONE OR MORE WALL BRACING ELEMENTS SHALL BE JOINED TO THE EXTERNAL WALL WITH 6kN CONNECTIONS (25x0.9mm GALVANISED MS STRAP AND SIX 30x2.5mm GALVANISED NAILS ON EACH END, A LUMBERLOK 'PLATELOCK' OR APPROVED SIMILAR)
- REFER TO NZS 3604:2011 FOR DURABILITY REQUIREMENTS OF ALL FIXINGS.

BRACING KEY:

GS1-N: GIB STANDARD PLASTER BOARD ONE SIDE. FIXINGS AT 50, 100, 150, 225, 300mm FROM EACH CORNER AND AT 150mm Crs. THEREAFTER AROUND PERIMETER OF ELEMENT. INTERMEDIATE FIXING AT 100 ONE SIDE. GIB HANDIBRAC END STUD HOLD-DOWN FIXINGS. FIXINGS AT 50, 100, 150, 225, 300mm FROM EACH CORNER AND AT

150mm Crs. THEREAFTER AROUND

PERIMETER OF ELEMENT.

INTERMEDIATE FIXING AT 300mm Crs. **FL1-H:** 16mmGIB FYRELINE TO ONE
SIDE. GIB HANDIBRAC END STUD
HOLD-DOWN FIXINGS. FIXINGS AT 50,
100, 150, 225, 300mm FROM EACH
CORNER AND AT 100mm Crs.
THEREAFTER AROUND PERIMETER OF
ELEMENT. INTERMEDIATE FIXING AT
300mm Crs. FASTENER TYPE AND
LENGTH TO BE AS PER THE FIRE
SYSTEM SPECIFIED.

CONSTRUCTION ISSUE



Christchurch Office
Unit 6, 75 Peterborough St, Christchurch.
PO Box 21381, Christchurch 8143.
Phone 03 365 3243,
Email cory@constructure.co.nz

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS

Auckland Office 63 Ponsonby Road, Suite 2.1, Ponsonby, Auckland 1021 Phone: 09 320 5226 Email: james@constructure.co.nz

OAK PROPERTY LTD.

11 HULBERT ST. LINWOOD, CHRISTCHURCH BRACING.

 REV.
 BY.
 DATE:
 COMMENT:
 D

 0
 T.T.
 12-07-2022
 ISSUED FOR CONSTRUCTION

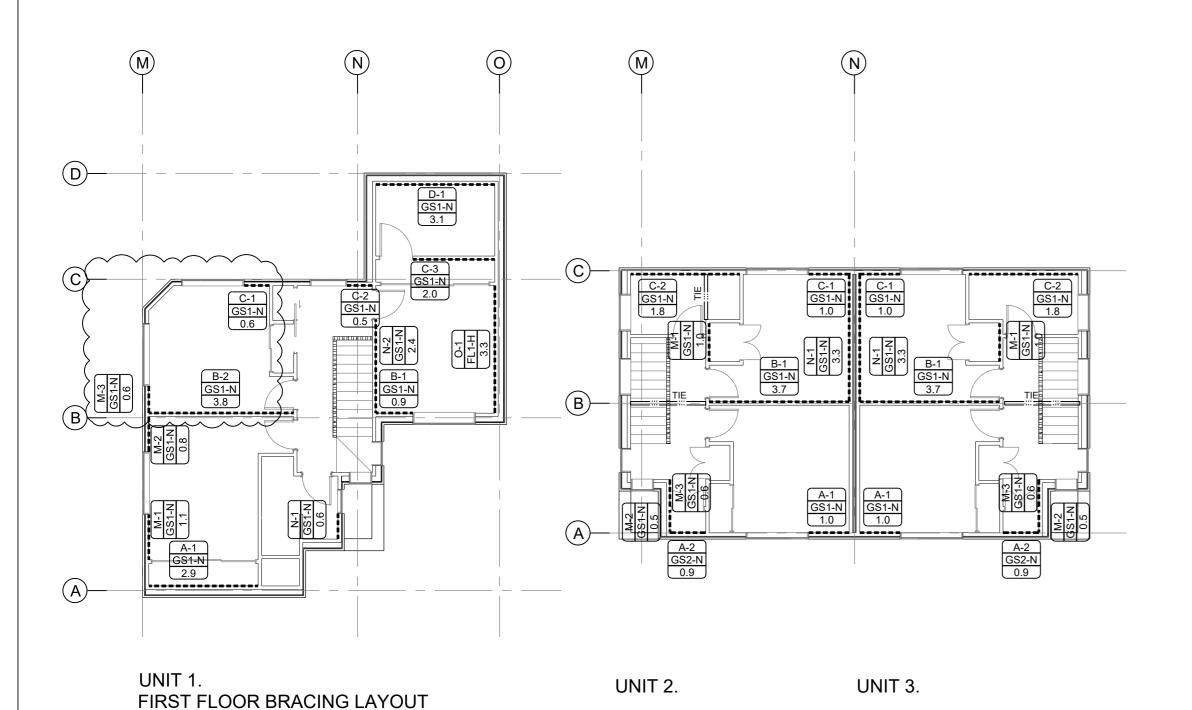
 1
 T.T.
 28-07-2022
 AMENDED ELEMENT O-1, ADDED FL1-H

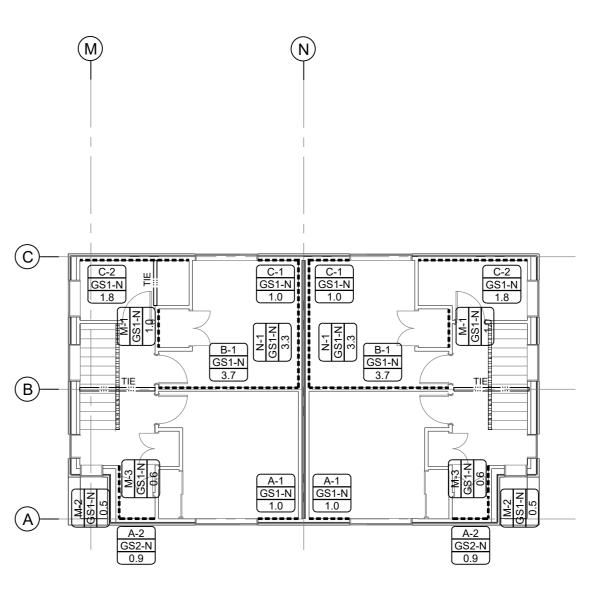
 2
 K.M.
 25-07-2024
 UNIT 1 LAYOUT REVISED. BRACING M-2&C-2 REVISED

DESIGN. JOB No.
S.D. 13404

DRAWN. SCALE @ A2
T.T. 1:100

S1.03





UNIT 5. UNIT 4.

Christchurch A-1 - BAGNI 2022 15649 NUMBER. GBFAND PROBREMENT BOUND ONSENT 2.0 ELEMENT LENGTH IN METRES. 24 Kyle Lewis 20/08/2024 CONNECTED TO THE PERIMETER WALLS AT TOP

Page 13 of 18

PLATE LEVEL, EITHER DIRECTLY OR THROUGH FRAMING MEMBERS IN LINE WITH THE TOP OF THE WALL AS PER NZS3604: 2011 8.7.3.4 (CONNECTION CAPACITY TO

BE A MIN. OF 6kN).

BRACING NOTES:

- LENGTHS SHOWN ARE MINIMUMS USED FOR CALCULATIONS. USE FULL WALL LENGTHS IN CONSTRUCTION WHERE PRACTICAL.
- REFER TO MANUFACTURERS SPECIFICATION FOR FASTENERS DETAILS FOR EACH BRACING SYSTEM.
- TOP PLATE CONNECTIONS: THE TOP PLATE OF A WALL THAT CONTAINS ONE OR MORE WALL BRACING ELEMENTS SHALL BE JOINED WITH 6kN CONNECTIONS (25x0.9mm GALVANISED MS STRAP AND SIX 30x2.5mm GALVANISED NAILS ON EACH END, A LUMBERLOK
- 'PLATELOCK' OR APPROVED SIMILAR) TOP PLATE CONNECTIONS, INTERNAL WALL TO EXTERNAL
- THE TOP PLATE OF AN INTERNAL WALL THAT CONTAINS ONE OR MORE WALL BRACING ELEMENTS SHALL BE JOINED TO THE EXTERNAL WALL WITH 6kN CONNECTIONS (25x0.9mm GALVANISED MS STRAP AND SIX 30x2.5mm GALVANISED NAILS ON EACH END, A LUMBERLOK 'PLATELOCK' OR APPROVED SIMILAR)
- REFER TO NZS 3604:2011 FOR DURABILITY REQUIREMENTS OF ALL FIXINGS.

BRACING KEY:

GS1-N: GIB STANDARD PLASTER BOARD ONE SIDE. FIXINGS AT 50, 100, 150, 225, 300mm FROM EACH CORNER AND AT 150mm Crs. THEREAFTER AROUND PERIMETER OF ELEMENT. INTERMEDIATE FIXING Allow moderation

BL1-H: GIB BRACELINE TO ONE SIDE. GIB HANDIBRAC END STUD HOLD-DOWN FIXINGS. FIXINGS AT 50, 100, 150, 225, 300mm FROM EACH CORNER AND AT 150mm Crs. THEREAFTER AROUND PERIMETER OF ELEMENT. INTERMEDIATE FIXING AT 300mm Crs.

FL1-H: 16mmGIB FYRELINE TO ONE SIDE. GIB HANDIBRAC END STUD HOLD-DOWN FIXINGS. FIXINGS AT 50, 100, 150, 225, 300mm FROM EACH CORNER AND AT 100mm Crs. THEREAFTER AROUND PERIMETER OF ELEMENT. INTERMEDIATE FIXING AT 300mm Crs. FASTENER TYPE AND LENGTH TO BE AS PER THE FIRE SYSTEM SPECIFIED.

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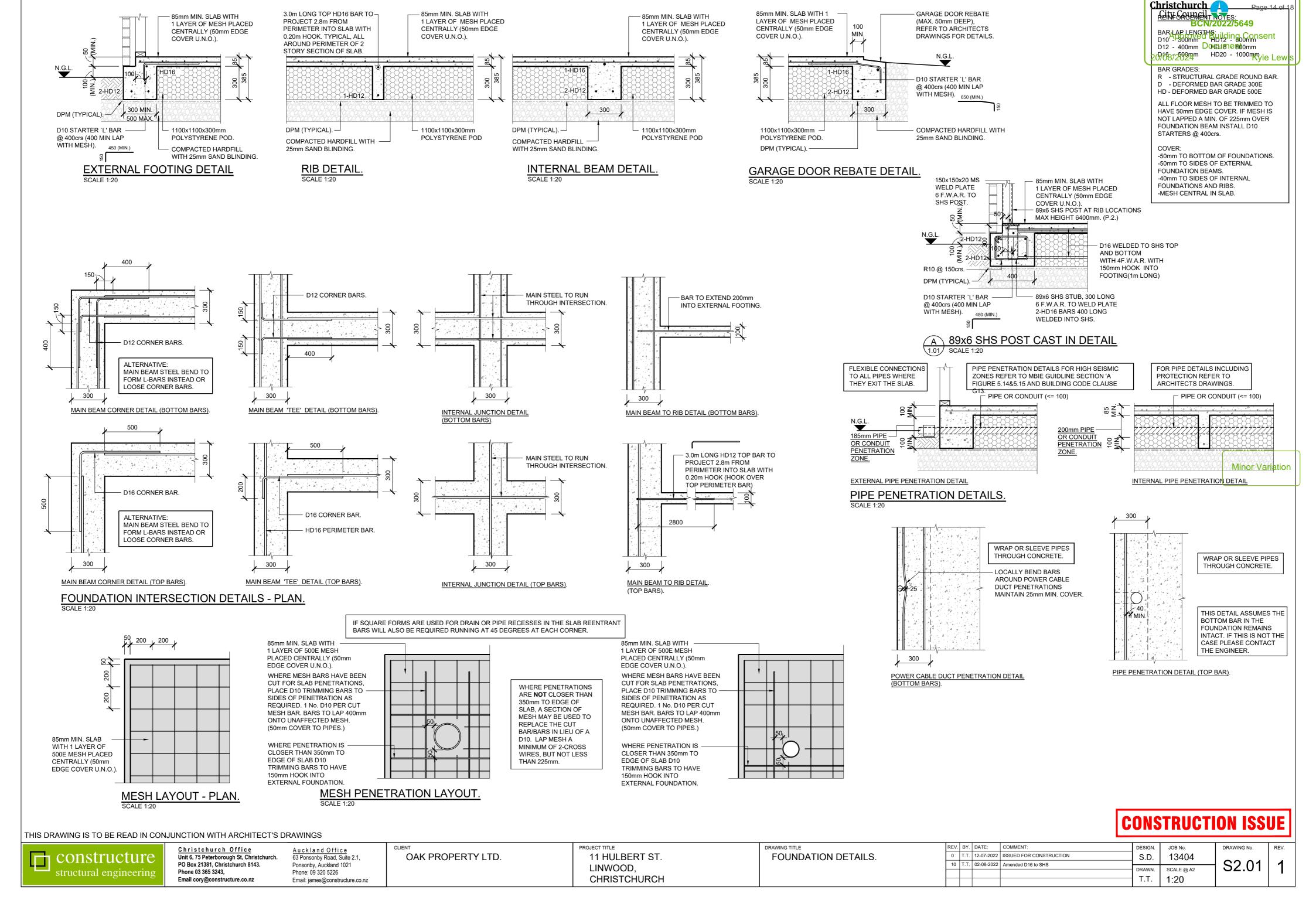
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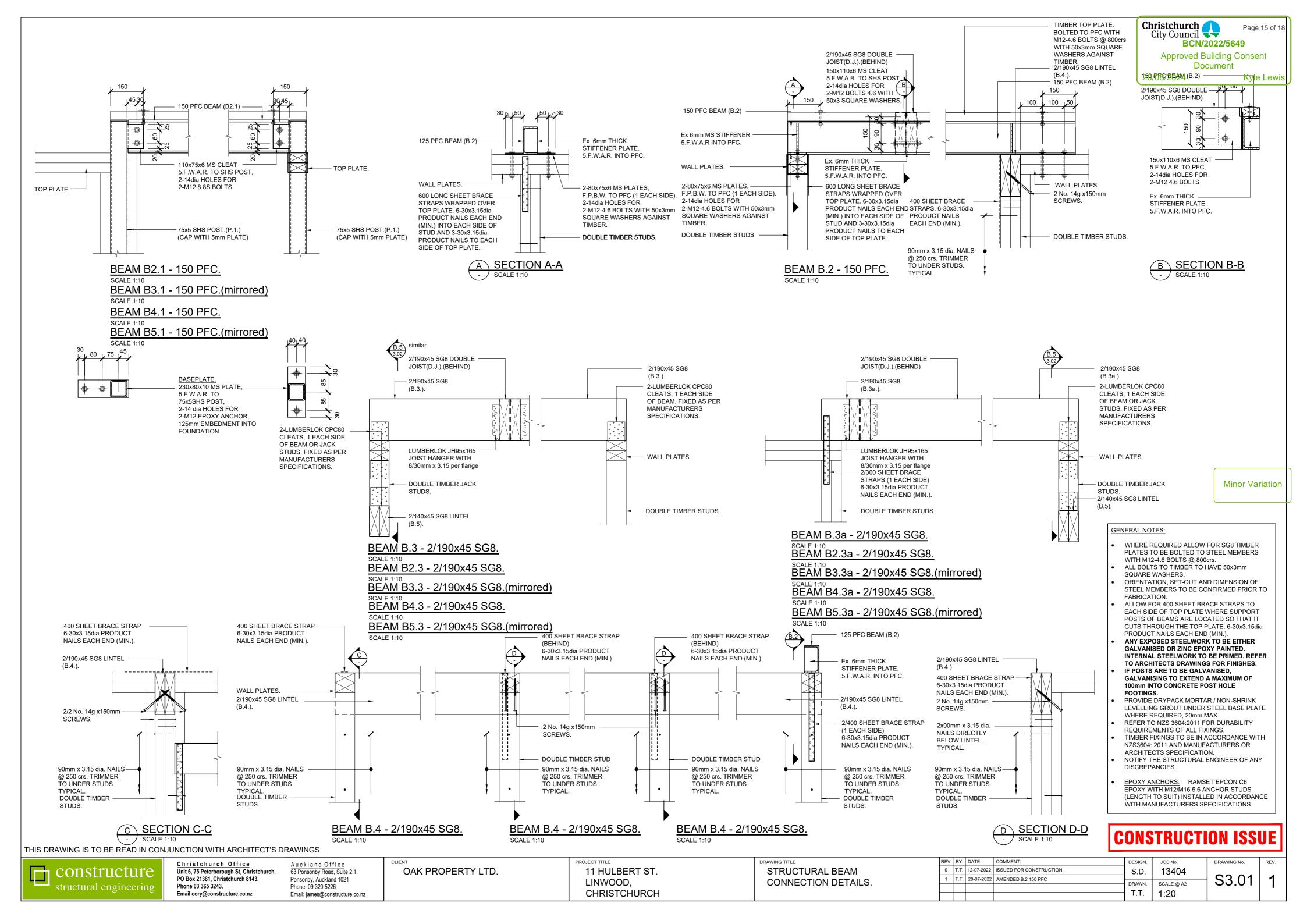
PROJECT TITLE 11 HULBERT ST. LINWOOD, CHRISTCHURCH DRAWING TITLE BRACING. REV. BY. DATE: COMMENT: 0 T.T. 12-07-2022 ISSUED FOR CONSTRUCTION 1 T.T. 28-07-2022 AMENDED ELEMENT O-1, ADDED FL1-H 2 K.M. 25-07-2024 UNIT 1 LAYOUT REVISED. BRACING M-3 & C-1 REVISED

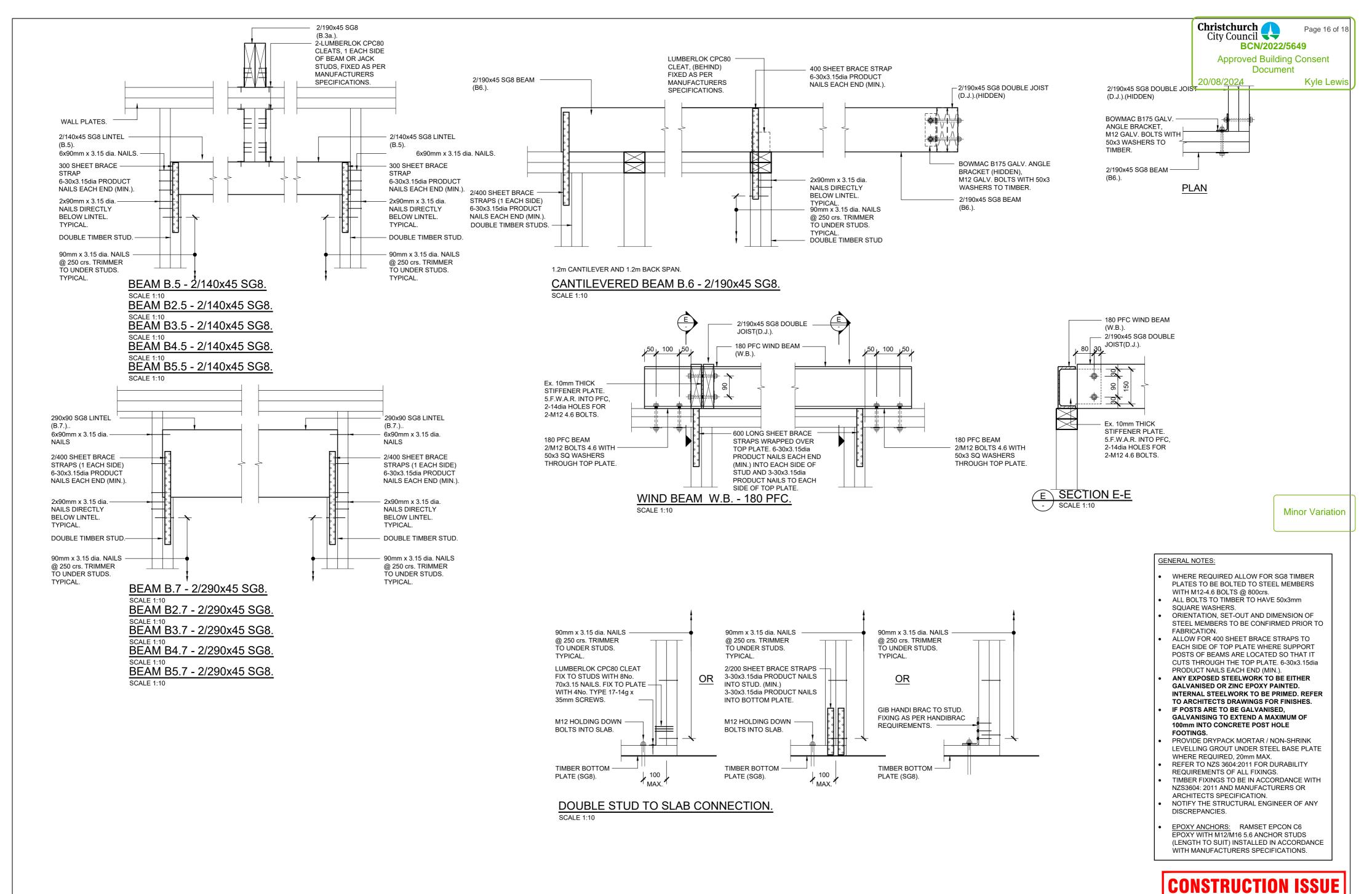
JOB No. DESIGN. S.D. 13404 DRAWN. SCALE @ A2 T.T. 1:100

DRAWING No. S1.04

CONSTRUCTION ISSUE







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OAK PROPERTY LTD.

PROJECT TITLE

11 HULBERT ST.
LINWOOD,
CHRISTCHURCH

STRUCTURAL BEAM
CONNECTION DETAILS.

 REV.
 BY.
 DATE:
 COMMENT:

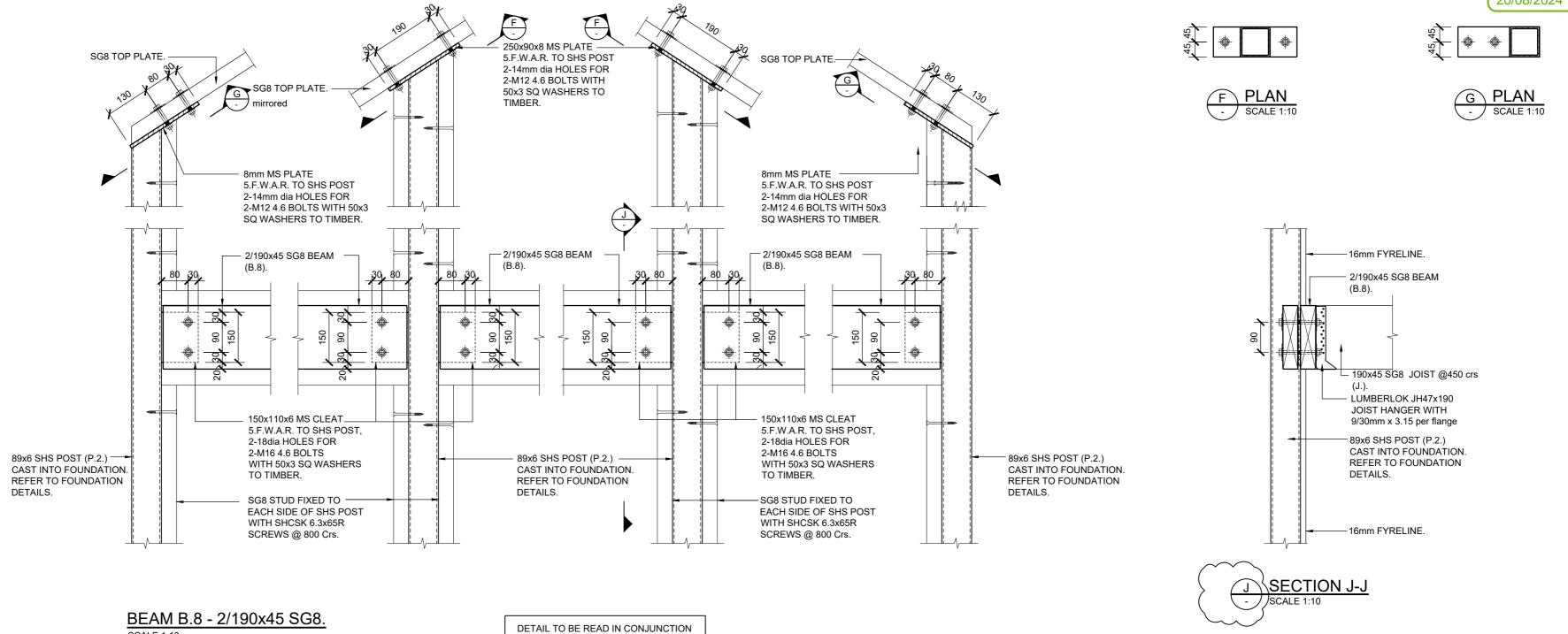
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 12-07-2022
 ISSUED FOR CONSTRUCTION

DESIGN. JOB No.
S.D. 13404

DRAWN. SCALE @ A2
T.T. 1:20

S3.02





190x45 SG8 JOIST @450 crs -

SECTION I-I 1.02 SCALE 1:10 GENERAL NOTES:

WHERE REQUIRED ALLOW FOR SG8 TIMBER PLATES TO BE BOLTED TO STEEL MEMBERS WITH M12-4.6 BOLTS @ 800crs.

 ALL BOLTS TO TIMBER TO HAVE 50x3mm

Minor Variation

- SQUARE WASHERS.
- ORIENTATION, SET-OUT AND DIMENSION OF STEEL MEMBERS TO BE CONFIRMED PRIOR TO FABRICATION.
- ALLOW FOR 400 SHEET BRACE STRAPS TO EACH SIDE OF TOP PLATE WHERE SUPPORT POSTS OF BEAMS ARE LOCATED SO THAT IT CUTS THROUGH THE TOP PLATE. 6-30x3.15dia PRODUCT NAILS EACH END (MIN.).
- ANY EXPOSED STEELWORK TO BE EITHER GALVANISED OR ZINC EPOXY PAINTED. INTERNAL STEELWORK TO BE PRIMED. REFER TO ARCHITECTS DRAWINGS FOR FINISHES.
- IF POSTS ARE TO BE GALVANISED, GALVANISING TO EXTEND A MAXIMUM OF 100mm INTO CONCRETE POST HOLE FOOTINGS.
- PROVIDE DRYPACK MORTAR / NON-SHRINK LEVELLING GROUT UNDER STEEL BASE PLATE WHERE REQUIRED, 20mm MAX.
- REFER TO NZS 3604:2011 FOR DURABILITY REQUIREMENTS OF ALL FIXINGS.
- TIMBER FIXINGS TO BE IN ACCORDANCE WITH NZS3604: 2011 AND MANUFACTURERS OR
- ARCHITECTS SPECIFICATION.
 NOTIFY THE STRUCTURAL ENGINEER OF ANY DISCREPANCIES.
- EPOXY ANCHORS: RAMSET EPCON C6
 EPOXY WITH M12/M16 5.6 ANCHOR STUDS
 (LENGTH TO SUIT) INSTALLED IN ACCORDANCE
 WITH MANUFACTURERS SPECIFICATIONS.

CONSTRUCTION ISSUE

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SCALE 1:10

Auckland Office 63 Ponsonby Road, Suite 2.1, Ponsonby, Auckland 1021 Phone: 09 320 5226 Email: james@constructure.co.nz

H SECTION H-H

WALL PLATES.

OAK PROPERTY LTD.

11 HULBERT ST.
LINWOOD,
CHRISTCHURCH

WITH EXTERNAL FOOTING DETAIL A SHEET 2.01.

190x45 SG8 CANTILEVERED JOIST @400 crs

-2/190x45 SG8 DOUBLE JOIST

LUMBERLOK JH47x190

9/30mm x 3.15 per flange

JOIST HANGER WITH

(D.J.).

STRUCTURAL BEAM CONNECTION DETAILS.

150 PFC BEAM (B2.1) WITH,

2-M12 4.6 BOLTS @ 800 crs.

190x45 SG8 JOIST @450 crs

190x45 SG8 BOUNDARY

JOISTS

2-14dia HOLES FOR

 REV.
 BY.
 DATE:
 COMMENT:

 0
 T.T.
 12-07-2022
 ISSUED FOR CONSTRUCTION

 1
 T.T.
 28-07-2022
 AMENDED ELEMENT B.8, ADDED SECTION J

 2
 N.M.
 07-11-2022
 REFERENCING OF SECTION 'J' CORRECTED.

DESIGN. JOB No.
S.D. 13404
DDED SECTION J
DRAWN. SCALE @ A2
T.T. 1:20

S3.03

2

