

	REV DATE	DESCRIPTION	DRAWN DESIGN APPROVED	CLIENT	ARCHITECT	STATUS	DRAWN BY	PROJECT		LILINAUNIA ODENI ODAOE	
DIICH	P1 17.05.23	3 90% DD WIP ISSUE	FS ME	EDQ		PRELIMINARY ISSUE	DESIGN BY	10		LUMINA OPEN SPACE	
BLIGH		3 90% DD ISSUE	FS ME			TITELIMINATE TOOCL	DESIGN BY	ME		SOUTHPORT, QLD, 4215	
	P3 26.05.23		IFS ME			NOT FOR CONSTRUCTION	CHECKED BY	DRAWING TITLE		, , ,	-
TANNER	P4 21.07.23	3 100% DD ISSUE	FS ME	 	Hassell	NOT FOR CONSTRUCTION	CHECKED BY	Checker		COVER SHEET	
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BRISBANE SYDNEY								PRINTING REQUIREMENTS	JOB NO DRA	WING NUMBER REVISION	1
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biightariner.com.au								PRINT THIS DRAWING II	COLOUR ZUZZ.UUZI	3000 1 4	

GENERAL

- THE BUILDER SHALL BE RESPONSIBLE FOR MAINTAINING STABILITY OF THE STRUCTURE UNTIL COMPLETION OF CONSTRUCTION AND SHALL ENSURE THAT NO PART OF THE STRUCTURE IS OVER STRESSED BY EXCESSIVE CONSTRUCTION LOADING.
- TEMPORARY WORKS ARE THE RESPONSIBILITY OF THE CONTRACTOR, THESE INCLUDE SUCH ITEMS AS PROPPING, TEMPORARY SHORING & RETENTION, MAINTAINING TEMPORARY STABILITY OF THE STRUCTURE, FORMWORK, CRANE BASE, TEMPORARY WORKING PLATFORMS, FACADE RETENTION SYSTEMS AND GROUND IMPROVEMENT TO SUPPORT CONSTRUCTION PLANT. THE DESIGN OF ALL TEMPORARY WORKS WILL BE UNDERTAKEN BY A RPEQ TEMPORARY

WORKS ENGINEER APPOINTED BY THE CONTRACTOR. STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL & OTHER CONSULTANTS DRAWINGS & SPECIFICATIONS.

ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LATEST REVISIONS OF THE FOLLOWING CODES EXCEPT WHERE VARIED BY THE SPECIFICATION AND / OR

AWI	INGS.	
	AS.1720	TIMBER STRUCTURES
	AS.2159	PILING CODE
	AS.3600	CONCRETE STRUCTURES
	AS.3610	FORMWORK FOR CONCRETE
	AS.3700	MASONRY STRUCTURES
	AS.4100	STEEL STRUCTURES
	AS.2269	STRUCTURAL PLYWOOD
	NATIONAL CONSTRUCTION CODE	OF AUSTRALIA

DIMENSIONS NOT TO BE SCALED.

SET OUT DIMENSIONS ARE TO BE VERIFIED WITH ARCHITECT.

- ALL PROPRIETARY PRODUCTS NOT DEEMED TO COMPLY WITH BCA SHALL HAVE THIRD PARTY CERTIFICATION, WITH RELEVANT TESTING AND SIGN-OFF BY AN RPEQ ENGINEER. PROPRIETARY PRODUCTS INCLUDES PRE-FABRICATED TRUSSES, LIGHT GAUGE STEEL FRAMING TO INTERNAL OR EXTERNAL WALLS, CEILINGS, BULKHEADS, ROOFS AND WALL BATTENS. FLOORING PRODUCTS, RECYCLED TIMBER AND PLASTICS, BALUSTRADES, SCREENS JOINERY, PARTITIONS & OPERABLE WALLS.
- ALL FABRICATION SHOP DRAWINGS TO BE PREPARED AND SUBMITTED TO BLIGH TANNER FOR REVIEW & COMMENT IN ELECTRONIC AND HARDCOPY A4 OR A3 FORMAT. ALLOW FIVE WORKING DAYS FOR REVIEW PRIOR TO COMMENCEMENT OF FABRICATION.
- ANY 3D IMAGERY IS FOR VISUALISATION PURPOSES ONLY AND DOES NOT CONSTITUTE PART
- OF THE CONTRACT DOCUMENTATION. REFER TO DRAWINGS FOR ALL ENGINEERING DETAIL. WHERE STRUCTURAL ELEMENTS ARE DESIGNED AND CERTIFIED BY OTHER PARTIES, THE CONTRACTOR SHALL OBTAIN WRITTEN CERTIFICATION PRIOR TO PROCEEDING WITH ANY CONSTRUCTION WHICH MAY PREVENT INSPECTION OR REMEDIAL WORKS BEING UNDER TAKEN TO THESE ITEMS.

A SUMMARY OF STRUCTURAL ELEMENTS TO BE CERTIFIED (DESIGN AND INSTALLATION CERTIFICATION) BY MANUFACTURER IS SUMMARISED BELOW.

ELEMENT TYPE	ELEMENT	NOTE REFERENCE
PRECAST PANEL	ADDITIONAL REINFORCEMENT AND INSERTS FOR LIFTING AND HANDLING	PP8 & PP9
PRECAST PANEL	TEMPORARY PROPPING	PP5
STRUCTURAL STEELWORK	TEMPORARY PROPPING AND BRACING	S18 & G2

DESIGN CRITERIA

DC1	LIVE LOADS:		
	AREA	SUPERIMPOSED DEAD LOAD	LIVE LOAD
	TRELLIS CANOPY	0.5 kPa MAX	0.25 kPa
	STAIRS AND LANDINGS	N/A	4.0 kPa
	HANDRAILS	N/A	1.5 kN/m
	EXTERNAL PAVEMENTS	1.0 kPa	5.0 kPa

DC2 WIND LOADS: REGION ULTIMATE WIND VELOCITY 57 m/s SERVICEABILITY WIND VELOCITY 39 m/s TERRAIN CATEGORY IMPORTANCE LEVEL INTERNAL PRESSURE COEFFICIENT N/A

DC3 EARTHQUAKE LOADS HAZARD FACTOR, Z 0.08 IMPORTANCE LEVEL PROBABILITY FACTOR, kp 1.0 SITE SUB-SOIL CLASS EARTHQUAKE DESIGN CATEGORY STRUCTURAL DUCTILITY FACTOR. u STRUCTURAL PERFORMANCE FACTOR, Sp 0.77

> THE DESIGN HAS CONSIDERED EARTHQUAKE ACTIONS ON STRUCTURAL ELEMENTS DOCUMENTED ON THE STRUCTURAL DRAWINGS. NOTE THAT NON-STRUCTURAL PARTS AND COMPONENTS AND THEIR FASTENINGS THAT ARE NOT SHOWN ON STRUCTURAL DRAWINGS ARE TO BE DESIGNED AND CERTIFIED BY THE MANUFACTURER OF THOSE ELEMENTS IN ACCORDANCE WITH SECTION 8 OF AS1170.4. THESE MAY INCLUDE, BUT ARE NOT LIMITED TO: FACADE ELEMENTS; NON-STRUCTURAL WALLS AND PARTITIONS; CEILINGS AND BULKHEADS; FURNITURE: AND MECHANICAL, HYDRAULIC AND ELECTRICAL COMPONENTS.

FOUNDATIONS

F1. REFER TO GEOTECHNICAL REPORT FOR ADJACENT SITE BY:

GEOTECHNICAL ENGINEER	GEOTECHNICAL REPORT	DATE
SOIL SURVEY	1-24131	AUG 2021

FOR INDICATIVE GROUND CONDITIONS

- F2. FOUNDATION EXCAVATIONS TO BE MAINTAINED IN A FIRM DRY CONDITION. REMOVE ANY SOFT GROUND & FILL WITH MASS CONCRETE.
- F3. EXCAVATION SHALL NOT BE PERFORMED BELOW THE LINE OF INFLUENCE EXTENDING FROM THE EXISTING FOOTING. LINE OF INFLUENCE:

IN ROCK - 2 VERTICAL TO 1 HORIZONTAL IN SILT OR CLAY - 1 VERTICAL TO 1 HORIZONTAL IN SAND OR OTHER MATERIAL - 1 VERTICAL TO 2 HORIZONTAL F4. REFER TO GROUNDWORKS SPECIFICATION CLAUSE 'SUPPORTING EXCAVATIONS'. F5 ALL FOOTINGS SHALL BE COMPACTED IN ACCORDANCE WITH GEOTECHNICAL REPORT

RECOMMENDATIONS AND FOUNDED ON NATURAL UNDISTURBED MATERIAL.

FOOTING	MINIMUM ALLOWABLE
	BEARING CAPACITY
HIGH LEVEL FOOTINGS	100 kPa
MASS CONCRETE SEATS	100 kPa
BORED PIER	600 kPa

- F6. BUILDER TO ENGAGE RPEQ CERTIFIED GEOTECHNICAL ENGINEER TO CONFIRM MINIMUM ALLOWABLE BEARING CAPACITY AT BUILDER'S EXPENSE.
- F7. STRUCTURAL FILL TO BE NON REACTIVE CBR15 PLACED IN 200 THICK LOOSE LAYERS & COMPACTED TO 98 % M.D.D.
- F8. ALL COMPACTED FILL TO BE IN ACCORDANCE WITH THE SPECIFICATION.

ABBREVIATIONS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
B or BTM	BOTTOM FACE	MIN	MINIMUM
CENT	CENTRALLY PLACED	NF	NEAR FACE
CFW	CONTINUOUS FILLET WELD	NLB NOM	NON LOAD BEARING NOMINAL
CL	CENTRE LINE	NSOP	NOT SHOWN ON PLAN
CPBW	COMPLETE PENETRATION BUTT WELD	NSOE	NOT SHOWN ON ELEVATION
CRS	CENTRES	NTS	NOT TO SCALE
C/W	COMES WITH	(0)	OVER
d	DEPTH/DEEP	ÒPP	OPPOSITE
DRG	DRAWING	PL	PLATE
EF	EACH FACE	PT	POST TENSION
EQ	EQUAL	REQ'D	REQUIRED
EW	EACH WAY	REINF	REINFORCEMENT
FF	FAR FACE	SDL	SUPERIMPOSED DEAD
FL	FLAT		LOAD
GA	GENERAL ARRANGEMENT	SIM	SIMILAR
h	HEIGHT/HIGH	Т	TOP FACE
HORIZ	HORIZONTAL	T&B	TOP & BOTTOM
HWD	HARDWOOD	THRU	THROUGH
KD	KILN DRIED	TYP	TYPICAL
LG	LENGTH/LONG	(u)	UNDER
LL	LIVE LOAD	UNO	UNLESS NOTED
MAX	MAXIMUM	VEDT	OTHERWISE
		VERT	VERTICAL
		W	WIDTH/WIDE

CONCRETE

C1. CONCRETE SPECIFICATION

MAXIMUM AGGREGATE 20mm TYPE 'A' PORTLAND PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS.3600 AND THE SPECIFICATION TEST REPORTS TO BE SUBMITTED TO THE PRINCIPAL FOR APPROVAL.

 ELEMENT	CONCRETE		COVER	
ELEWENT	GRADE	BOTTOM	TOP	SIDES
BORED PIERS	N32	50	50	65
FOOTINGS	N32	50	50	50
SLAB ON GROUND				
- EXTERNAL	N32	40	40	40
WALLS	N32	-	40	40
STAIRS	N32	40	40	40

- C3. ALL SLABS TO BE SPRAYED WITH ALIPHATIC ALCOHOL BARRIER AFTER INITIAL SCREEDING AND BULLFLOATING. ALIPHATIC ALCOHOL TO BE RE-APPLIED AFTER EACH SUBSEQUENT FINISHING OPERATION.
- C4. CURE ALL CONCRETE SURFACES IN ACCORDANCE WITH AS.3600. CURING OF ALL CONCRETE IS TO BE ACHIEVED BY KEEPING SURFACES CONTINUOUSLY WET FOR A PERIOD OF 3 DAYS AND PREVENTION OF LOSS OF MOISTURE FOR A TOTAL OF 7 DAYS FOLLOWED BY A GRADUAL DRYING OUT. USE OF AN APPROVED CURING AGENT. APPLY CURING COMPOUNDS WITHIN TWO HOURS OF THE FINISHING OPERATION.
- C5. ALL RE-ENTRANT CORNERS AND PENETRATIONS LARGER THAN 200 SQUARE ARE TO HAVE TRIMMER BARS PLACED DIAGONALLY AT CORNERS. TRIMMER BARS SHALL BE 2 N12 x 1200 LONG AT 100 CENTRES. TOP & BTM FOR SUSPENDED SLABS. FOR SLABS ON GROUND PROVIDE TRIMMER BARS FOR EACH LAYER OF MESH.

C6. ALL HOOKS AND BENDS TO BE IN ACCORDANCE WITH AS.3600.

UNLESS NOTED OTHERWISE ALL LAPS TO BE :							
BAR	STRUCTURAL ELEMENT						
SIZE	STAIRS, LANDINGS & SLABS ≤300 THICK	BEAMS, WALLS & SLAB >300 THICK	COLUMNS	BORED PIERS FOOTINGS			
N12	450	600	500	600			
N16	700	900	650	900			
N20	950	1200	850	1200			
N24	1200	1600	1000	1600			
N28	1500	2000	1200	2000			
N32	1800	2400	1400	2400			
MECHIAD	TO DE 2 OUTED MOST	0D000 DAD0 0E 4 0I	ICCT I ADDCD WITI	LO OLITED MOOT			

MESH LAP TO BE 2 OUTER MOST CROSS BARS OF 1 SHEET LAPPED WITH 2 OUTER MOST BARS OF THE 2ND SHEET OF SIMILAR BAR SPACING USE PLASTIC OR PLASTIC TIPPED BAR CHAIRS AT 600 CENTRES FOR SL72 & 82 MESH AND AT

800 CENTRES FOR SL92 MESH & GREATER. C8. CONSTRUCTION JOINTS WHERE NOT SHOWN ON DRAWINGS SHALL BE LOCATED TO THE APPROVAL OF THE ENGINEER AND PRINCIPAL.

C9. ALL FORMWORK AND PROPPING UNDER SUSPENDED SLABS SHALL BE REMOVED PRIOR TO CONSTRUCTION OF MASONRY WORK OVER.

C10. BASIC DRYING SHRINKAGE STRAIN MEASURED IN ACCORDANCE WITH AS.1012 - PART 13 SHALL NOT EXCEED 800 µm.

C11. FOR FALLS, STEPS, CHAMFERS, DRIP GROOVES, REGLETS ETC. REFER TO ARCHITECTS DETAILS. MAINTAIN COVER TO REINFORCEMENT AT THESE DETAILS.

C12. CONDUITS, PIPES, ETC SHALL ONLY BE LOCATED IN THE MIDDLE ONE THIRD OF ARCHITECTS SLAB DEPTH AND SPACED AT NOT LESS THAN 3 DIAMETERS. C13. REINFORCEMENT SYMBOLS

'N' - DENOTES GRADE 500 BARS TO AS.4671. 'R' - DENOTES GRADE 250 HOT ROLLED PLAIN BARS TO AS.4671

BAR GRADE AND TYPE	CENT	RES IN mm	
	N 20 - 250	SL82	
NOMINAL BAR SIZE IN	mm —	BAR CENTRES	x 100 mm
	REINFORCEMENT F	ABRIC NOMINAL BAR	SIZE IN mm

C14. REINFORCEMENT LENGTHS TO BE DETERMINED WITH REFERENCE TO THE GEOMETRY AND SETOUT ON THE ARCHITECTS DRAWINGS.

C15. PROVIDE 50mm BEDDING SAND & DAMP PROOF MEMBRANE UNDER ALL GROUND SLABS. C16. ALL CONCRETE TO BE VIBRATED DURING PLACEMENT.

C17. ALL REINFORCEMENT TO BE SECURELY TIED PRIOR TO PLACEMENT OF CONCRETE.

C18. PROPPING AND FORMWORK TO BE IN ACCORDANCE WITH AS.3610. C19. NO CONCRETE IS TO BE POURED ON THE SITE WHEN TEMPERATURES EXCEED 35°C OR FALL BELOW 5°C.

C20. THE REINFORCEMENT STEEL SUPPLIER MUST BE CERTIFIED BY ARCS (AUSTRALIAN STANDARDS CERTIFICATION & VERIFICATION OF REINFORCING, PRESTRESSING AND STRUCTURAL STEELS) FOR THE SUPPLY OF REINFORCEMENT STEEL. CURRENT ARCS CERTIFICATION CERTIFICATES ARE TO BE ISSUED TO BLIGH TANNER PRIOR TO DELIVERY OF REINFORCING STEEL TO SITE. REFER http://steelcertification.com FOR CURRENT CERTIFICATE HOLDERS.

C21. WHERE CONCRETE SURFACES ARE EXPOSED AND EXPRESSED ARCHITECTURALLY NATURAL SAND IS TO BE USED IN THE CONCRETE MIX IN LIEU OF MANUFACTURED SAND. C22. WHERE COLOURED CONCRETE IS SPECIFIED A TRIAL RUN AND TEST PANEL OF THE FINISHED

CONCRETE IS TO BE COMPLETED FOR APPROVAL BY THE ARCHITECT AND ENGINEER. CORE SAMPLE OF THE TRIAL RUN ARE TO BE TAKEN AND CRUSHED TO CONFIRM SPECIFIED CONCRETE STRENGTH HAS BEEN ACHIEVED.

STEELWORK

S1. STEELWORK GRADES (UNLESS NOTED OTHERWISE) TO BE HOT ROLLED SECTIONS RHS AND SHS GRADE C350 LO GRADE C350 LO RODS AND PLATES GRADE 300 COLD FORMED SECTION GRADE 450 WHERE SIZE SPECIFIED IS ONLY AVAILABLE IN A HIGHER GRADE, THE HIGHER GRADE SECTION IS TO BE USED. PROVIDE BEAM CAMBER AS NOTED. ENDS OF HOLLOW SECTIONS TO BE CAPPED WITH WELDED NOMINAL THICKNESS PLATE, PROVIDE VENT HOLES IN LENGTHS TO BE HOT DIP GALVANISED. UNLESS NOTED OTHERWISE: -PLATES, CLEATS, ETC. TO BE 10mm -PURLIN CLEATS < 300 HIGH TO BE 8 PLATE < 600 HIGH TO BE 65x5 EA -NUTS, BOLTS, WASHERS ETC. GENERAL HOT DIPPED GALVANISED STAINLESS STEEL MINIMUM 2 No. BOLTS FOR STEEL TO STEEL CONNECTIONS UNO M16 8.8/S FOR SECTION DEPTH <250mm

M20 8.8/S FOR SECTION DEPTH =>250mm

DIAMETER -WELDS SHALL BE 6mm SP CONTINUOUS FILLET WELD UNO: SP DENOTES STRUCTURAL PURPOSE IN ACCORDANCE WITH AS.1554. WELDING CONSUMABLES TO HAVE A NOMINAL TENSILE STRENGTH (fuw) OF GP DENOTES GENERAL PURPOSE IN ACCORDANCE WITH AS.1554. WELDING

CL.14.3.5.2 OF AS4100 TO COMPLETELY COVER HOLE PLUS 0.5 TIMES HOLE

-FOR OVERSIZED OR SLOTTED HOLES PROVIDE PLATE WASHERS IN ACCORDANCE

CONSUMABLES TO HAVE A NOMINAL TENSILE STRENGTH (fuw) OF 490 MPa. S5. CORROSION PROTECTION TO BE

ABRASIVE BLAST AS1627.4 CLASS 2.5 INTERNAL HIGH BUILD ZP PRIMER TO 75 µm DRY FILM HDG600 HOT DIPPED GALVANISED TO AS/NZS 4680. ALL ELEMENTS IN CONTACT WITH CONCRETE TO BE PASSIVATED. STEEL TRELLIS FRAMING PROTECTIVE PAINT FINISH PUR5 OR EHB6 TO AS2312.1 2014. REFER ARCHITECT FOR PAINT SPECIFICATION COLD FORMED Z 350 GALVANISED CONCRETE ENCASED, FIRE SPRAYED AND FRICTION BOLTED CONNECTIONS SHALL NOT BE PAINTED.

BOLT HOLES SHALL NOT BE ENLARGED DURING ERECTION. S9. STEELWORK EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANISED. DAMAGED S10. GALVANISING IS TO BE REPAIRED WITH HIGH ORGANIC ZINC CONTENT EPOXY TREATMENT

WATTYL GALVIT OR SIMILAR. PROVIDE ALL MISCELLANEOUS STEELWORK TO SUPPORT NON STRUCTURAL ELEMENTS. ALL BOLTS, NUTS AND WASHERS ARE TO BE GRADE 8.8 STRUCTURAL STEEL UNLESS NOTED S11. OTHERWISE AND COMPLY FULLY WITH AS1252:1996 ALL FOUNDATION BOLTS , NUTS AND

WASHERS ARE TO BE GRADE 4.6 UNLESS OTHERWISE NOTED. BOLT LENGTHS TO BE S12. SCHEDULED TO ENSURE THAT A MINIMUM OF TWO THREADS EXTEND PAST THE NUT. AS1252:1996 COMPLIANCE CERTIFICATES ARE TO BE PROVIDED TO THE SUPERINTENDENT

FOR ALL STRUCTURAL STEEL BOLTS. ALL STRUCTURAL STEEL HOT ROLLED BARS AND SECTIONS MUST CONFORM WITH AS/NZS3679.1: 2010: "STRUCTURAL STEEL HOT ROLLED BARS AND SECTIONS". ALL S13. STRUCTURAL STEEL WELDED SECTIONS MUST CONFORM WITH AS/NZS3679.2 : 2010 :

"STRUCTURAL STEEL - WELDED I SECTIONS", ALL STRUCTURAL STEEL HOLLOW SECTIONS MUST CONFORM WITH AS/NZS1163: 2009: "COLD FORMED STEEL HOLLOW SECTIONS". S14. THE STRUCTURAL STEEL FABRICATOR IS TO PROVIDE TO THE SUPERINTENDENT, AUSTRALIAN STANDARD COMPLIANCE CERTIFICATES FOR ALL STRUCTURAL STEELWORK

PRIOR TO COMMENCING FABRICATION. OVERSEAS SOURCED STRUCTURAL STEEL IS NOT PERMITTED UNLESS THE STRUCTURAL STEEL MATERIAL SUPPLIER IS CERTIFIED BY ACRS (AUSTRALIAN STANDARDS CERTIFICATION S15. & VERIFICATION OF REINFORCING, PRESTRESSING & STRUCTURAL STEELS) FOR THE SUPPLY

OF STRUCTURAL STEEL. CURRENT ACRS CERTIFICATES ARE TO BE SUBMITTED TO BLIGH S16. TANNER, REFER www.steelcertification.com FOR CURRENT CERTIFICATE HOLDERS.

PROVIDE TA8525G GALVANISED TEXTOR ANGLE TRIMMERS TO SUPPORT SHEETING TO ALL S17. HIPS, VALLEYS, GABLES, CORNERS AND THE LIKE, SCREW FIX / WELD AS REQUIRED. S18. PROVIDE TA8525G GALVANISED TEXTOR ANGLE TO FACE OF SHS,RHS,UB & UC MEMBERS FOR

ROOF SHEETING FIXING WHERE REQUIRED ALL NON-SHRINK GROUT TO BE 30mm THICK 40 MPa U.N.O. ALL STRUCTURAL STEELWORK SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH S19. AS/NZS 5131. ALL WORK ON THIS PROJECT SHALL BE UNDERTAKEN BY COMPETENT

PERSONNEL. REQUIREMENTS AND EXAMPLES OF QUALIFICATIONS FOR COMPETENT PERSONNEL ARE CONTAINED IN AS/NZS 5131. IN ACCORDANCE WITH THE REQUIREMENTS OF AS/NZS 5131 THE CONSTRUCTION CATEGORIES FOR THIS PROJECT ARE DEFINED IN THE TABLE BELOW.

| IMPORTANCE | SERVICE | FABRICATION | CONSTRUCTION | ELEMENT LEVEL CATEGORY CATEGORY CATEGORY ALL STRUCTURAL IL2 FC1 CC2 STEEL WORK UNO

S20. WHERE MEMBERS SHOWN ON THE STRUCTURAL OR ARCHITECTURAL DRAWINGS ARE REQUIRED TO BE CURVED, BENT OR ROLLED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE METHODS REQUIRED TO ACHIEVE THE REQUIRED SHAPES WITHOUT LOCALISED DISTORTION OF THE MEMBERS.

ALUMINIUM

- AL1. ALL ALUMINIUM EXTRUSION SECTIONS/ FRAMING MEMBERS SHALL BE MADE OF STRUCTURAL GRADE EITHER 6061-T6, 6106-T6 OR 6082T6 ALLOYS, ALUMINIUM BRACKERS SHALL BE 6361-T5
- AL2. SHEET ALLOY AND TEMPER SHALL BE GRADE 5052_H32 OR APPROVED EQUIVALENT.
- AL3. DESIGN AND MANUFACTURE OF ALUMINIUM SHALL COMPLY WITH AS/NZS 1664.1 AL4. MANUFACTURING TOLERANCES IN ACCORDANCE TO ALUMINIUM STANDARDS AND DATA 2017
 - FRAMING MEMBERS: ± 1mm

CLADDING PANEL DIMENSION: ± 2mm

FLATNESS OF CLADDING PANELS: 0.5mm IN 1000mm AL5. ALL WELDS TO BE MINIMUM 6MM CONTINUOUS FILLET WELD ALL AROUND, U.N.O.

AL6. ALL ALUMINIUM FRAMING MEMBERS SHALL BE POWDER COATED OR ANNODIZED WITH A

WARRANTY OF AT LEAST 25 YEARS. AL7. WELD FILLER ALLOW TO BE 5556 U.N.O.

AL8. ALL WELDS TO BE CERTIFIED BY AN ACCREDITED THIRD PARTY PROFESSIONAL.

AL9. ALL BUILT UP ALUMINIUM SECTIONS TO BE PROTOTYPE TESTED AS PER AS 1664.1

	REV	DATE	DESCRIPTION	DRAWN	DESIGN	APPROVED	CLIENT
DIICII	P1	17.05.23	90% DD WIP ISSUE	FS	ME		EDQ
BLIGH	P2	24.05.23	90% DD ISSUE	FS	ME		
	P3	26.05.23	95% DD CLIENT REVIEW	FS	ME		
TANNER	P4	21.07.23	100% DD ISSUE	FS	ME		
BRISBANE SYDNEY							
blightanner@blightanner.com.au							
blightanner.com.au							-

PRELIMINARY ISSUE NOT FOR CONSTRUCTION NORTH POINT | SCALES AT A1

CHECKED BY Checker SIGNED

PROJECT

DRAWING TITLE

LUMINA OPEN SPACE SOUTHPORT, QLD, 4215

NOTES SHEET PRINTING REQUIREMENTS DRAWING NUMBER REVISION

2022.002

ARCHITECT



SITE SETOUT PLAN SCALE 1:500



DEJ DEJ DEJ DEJ DEJ DEJ 150 150 SJ 150 LINE OF EXISTING — STRIP DRAIN — STRIP DRAIN BASEMENT BELOW DEJ PRECAST CONCRETE PRECAST CONCRETE S031 BENCH SEATS BENCH SEATS S032 S031

SITE 6A - NORTH WEST

NOTES

- 1. GROUND LEVEL PLAN TO BE READ IN CONJUNCTION WITH THE GEOTECHNICAL INVESTIGATION REPORT No.1-24131 DATED AUG 2021 AND
- PREPARED BY SOIL SURVEYS

 2. REFER LANDSCAPE ARCHITECTURAL DRAWINGS FOR ALL FLOOR FINISHES AND DETAILS TO ALL REBATES, STEPS, SETDOWNS AND FALLS ETC. AS WELL AS DRAINAGE PIT DETAILS AND SETOUT.
- 3. PROVIDE 250 WIDE x 200 DEEP EDGE THICKENING TO CONCRETE SLABS ON GROUND LESS THAN 150mm THICK, WHERE THE SLAB DOES NOT FOUND ON TO A FOOTING SYSTEM TYP UNO.
- 4. PROVIDE 1 N12 TRIMMER BAR TOP TO ALL SLAB EDGES TYPICAL UNO. ALL RE-ENTRANT CORNERS TO HAVE 2 N12 TRIMMER BARS 1200 LG PLACED TOP AND BOTTOM UNO.
- 5. ALL COMPACTED FILL SHALL BE CBR 15 SELECT FILL PLACED IN LAYERS NOT
- EXCEEDING 200mm THICK AND COMPACTED TO 98% (MODIFIED).

 6. REFER STANDARD NOTES ON DRG S001 FOR CONCRETE STRENGTHS, COVERS, BAR LAP LENGTHS, BEARING CAPACITIES ETC.

LEGEND:

DENOTES SLAB THICKNESS

DENOTES LANDSCAPE ZONES - REFER LANDSCAPE ARCHITECT

CONCRETE WALL OVER

STEP

DENOTES SLAB STEP

SLAB JOINTS

SJ1 SAWN JOINT
DJ1 DOWEL JOINT
PJ PANEL JOINT
DEJ1 DOWELLED EXPANSION JOINT
SLABS

CONSTRUCTION JOINT

THICKNESS REMARKS
150 SL92 MESH, TOP
200 REFER SECTION FOR DETAILS

BORED PIERS

MARK DIAMETER MIN. DEPTH 8P1 600 800

BP2	450	3500	
PAD FOOT	TINGS		
MARK	LENGTH	WIDTH	DEP ⁻
PF1	750	600	450
PF2	750	750	600

STRIP FOOTINGS

MARK	WIDTH	DEPTH	COMMENTS
SF1	800	300	REFER SECTION
SF2	400	450	3N16 TOP & BTM WITI
			N12-400 CLOSED TIES

STEEL FRAMING

RK SIZE COMMENTS

168.3x7.1 CHS

STEEL MEMBER MARKS:

MEMBER DESCRIPTION. REFER DESCRIPTION
SCHEDULE

MEMBER MARK. REFER STEEL FRAMING /
COLUMN SCHEDULE

R-a (u) — MEMBER POSITION. REFER FRAMING LEGEND

MEMBER DESCRIPTIONS:

B BEAM RB ROOF BEAM
D DROPPER S STRUT
HB HORIZONTAL BRACING SC STEEL COLUMN
FR FRAME ST STUB COLUMN
M MULLION VB VERTICAL BRACING
OR OUTRIGGER WH WALL HEAD
R RAFTER

FRAMING LEGEND:

(u) DENOTES STRUCTURAL ELEMENT UNDER
(o) DENOTES STRUCTURAL ELEMENT OVER
FB DENOTES FLYBRACE. REFER TYPICAL DETAILS.

NOTES:

- ALL EXTERNAL STEELWORK TO BE HOT DIPPED GALVANISED UNLESS NOTED OTHERWISE
 FRAMING PLANS ARE TO BE READ IN CONJUNCTION WITH FRAMING
- SECTIONS AND STANDARD NOTES.

 3. REFER STANDARD NOTES ON DRG. S001 FOR STEEL WORK, TIMBER,
- STEEL STUD AND WELDING DETAILS.

 4. STEEL TRELLIS FRAMING TO HAVE A PROTECTIVE PAINT FINISH PUR5 OR EHB6 TO AS2312.1 2014.
 REFER ARCHITECT FOR SPECIFICATION.

	REV DATE DESCRIPTION	DRAWN DESIGN APPROVED	CLIENT	ARCHITECT	STATUS	DRAWN BY	FS	Ī			EN CDACE
DIICH	P1 17.05.23 90% DD WIP ISSUE	FS ME	– EDQ		PRELIMINARY ISSUE	DEGIGNI DV				LUMINA OPE	EN SPACE
DLIGH	P2 24.05.23 90% DD ISSUE	FS ME			TITELIMINATE TOOCL	DESIGN BY	ME			SOUTHPORT,	T. OLD. 4215
	P3 26.05.23 95% DD CLIENT REVIEW	FS ME			NOT FOR CONCERNICTION		TVIL				1, QLD, 1210
TARRIED	P4 21.07.23 100% DD ISSUE	FS ME		ЦооооЩ	NOT FOR CONSTRUCTION	CHECKED BY	Checker DRAWING		R GENERAL ARRAN	ICEMENT DI ANI	
TANNER				Hassell			Officered	GROUND FLOOR	R GENERAL ARRAN	IGEMENT PLAN -	- PARTA
.,				IIUUUUII	NORTH POINT SCALES AT A1	SIGNED					
BRISBANE SYDNEY					1:100 0 1000 2000 3000 4000		PRINTING	G REQUIREMENTS	JOB NO	DRAWING NUMBER	REVISION
blightanner@blightanner.com.au					1:100 0 1000 2000 3000 4000			a negomemento			
blightanner.com.au									2022.0021	S011	P4
									2022.0021		• •

STRUCTURAL SLAB BY OTHERS. —

PAVING TO LANDSCAPE

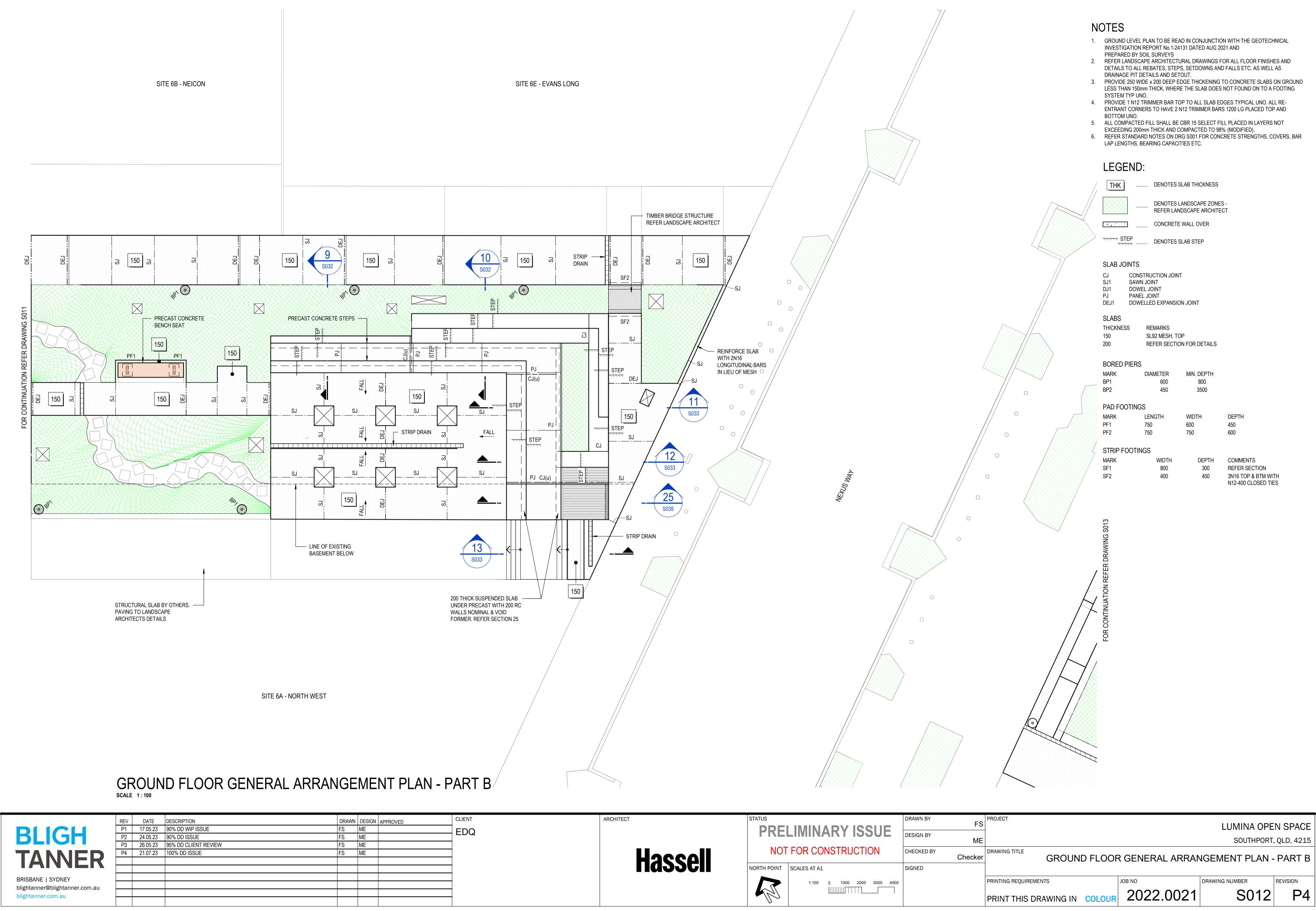
ARCHITECTS DETAILS

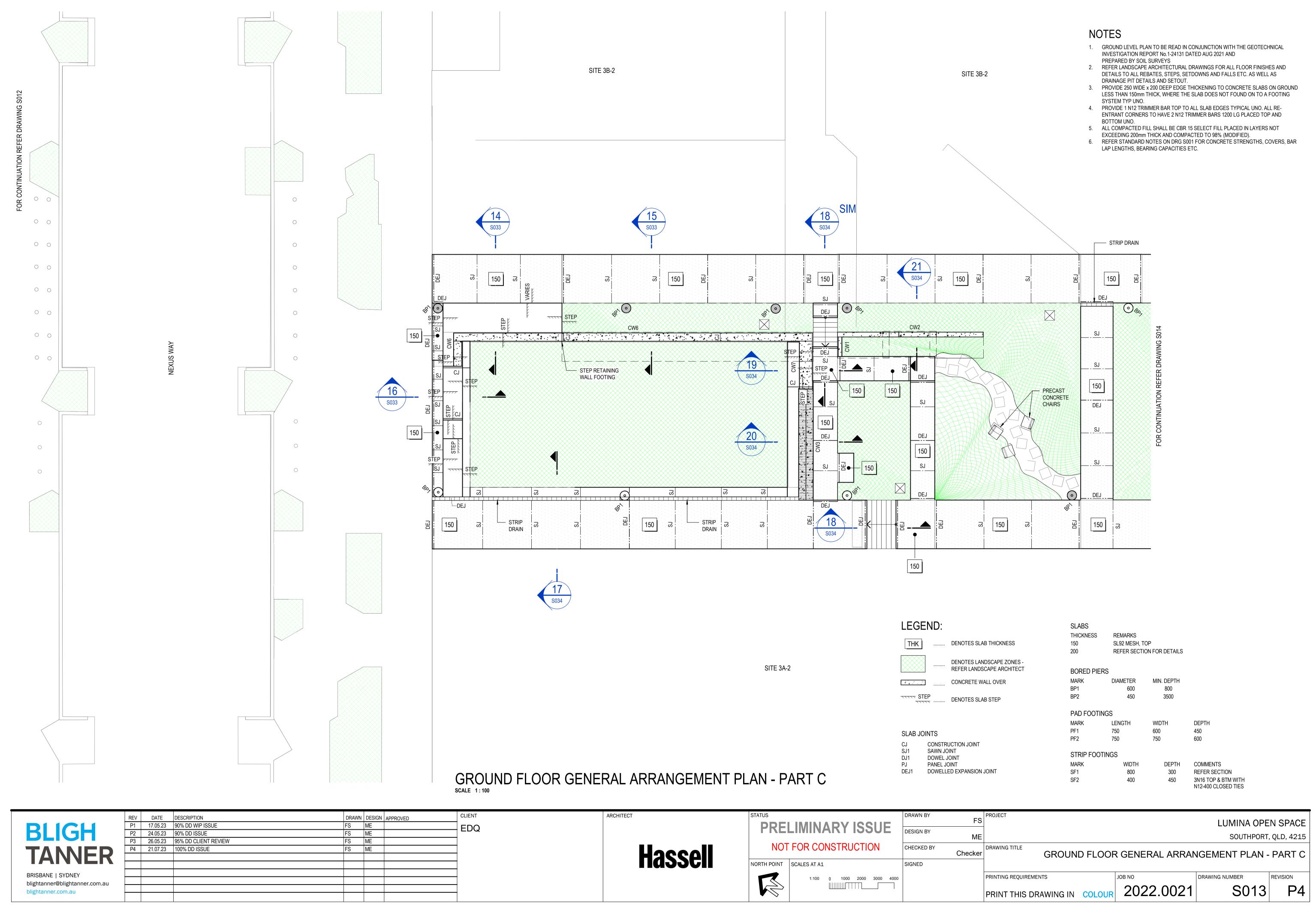
ELECTRICAL CABINET

PAVING TO LANDSCAPE

ARCHITECTS DETAILS

SLAB BY OTHERS.





SITE 3A-1 TRILOGY

GROUND FLOOR GENERAL ARRANGEMENT PLAN - PART D

SEWER MAIN ス

150

23

S035

DRAWN DESIGN APPROVED CLIENT ARCHITECT REV DATE DESCRIPTION LUMINA OPEN SPACE P1 17.05.23 90% DD WIP ISSUE
P2 24.05.23 90% DD ISSUE **BLIGH** PRELIMINARY ISSUE EDQ FS ME SOUTHPORT, QLD, 4215 P3 26.05.23 95% DD CLIENT REVIEW FS ME NOT FOR CONSTRUCTION Hassell **TANNER** CHECKED BY DRAWING TITLE P4 21.07.23 100% DD ISSUE FS ME GROUND FLOOR GENERAL ARRANGEMENT PLAN - PART D Checker NORTH POINT | SCALES AT A1 SIGNED PRINTING REQUIREMENTS 1:100 0 1000 2000 3000 4000 blightanner@blightanner.com.au 2022.0021 S014 blightanner.com.au PRINT THIS DRAWING IN COLOUR

150

24 S035 STRIP DRAIN

NOTES

- 1. GROUND LEVEL PLAN TO BE READ IN CONJUNCTION WITH THE GEOTECHNICAL INVESTIGATION REPORT No.1-24131 DATED AUG 2021 AND
- PREPARED BY SOIL SURVEYS

 2. REFER LANDSCAPE ARCHITECTURAL DRAWINGS FOR ALL FLOOR FINISHES AND DETAILS TO ALL REBATES, STEPS, SETDOWNS AND FALLS ETC. AS WELL AS DRAINAGE PIT DETAILS AND SETOUT.
- 3. PROVIDE 250 WIDE x 200 DEEP EDGE THICKENING TO CONCRETE SLABS ON GROUND LESS THAN 150mm THICK, WHERE THE SLAB DOES NOT FOUND ON TO A FOOTING SYSTEM TYP UNO.
- 4. PROVIDE 1 N12 TRIMMER BAR TOP TO ALL SLAB EDGES TYPICAL UNO. ALL RE-ENTRANT CORNERS TO HAVE 2 N12 TRIMMER BARS 1200 LG PLACED TOP AND BOTTOM UNO.
- 5. ALL COMPACTED FILL SHALL BE CBR 15 SELECT FILL PLACED IN LAYERS NOT EXCEEDING 200mm THICK AND COMPACTED TO 98% (MODIFIED).
- 6. REFER STANDARD NOTES ON DRG S001 FOR CONCRÈTE STRENGTHS, COVERS, BAR LAP LENGTHS, BEARING CAPACITIES ETC.

LEGEND:

THK DENOTES SLAB THICKNESS

DENOTES LANDSCAPE ZONES - REFER LANDSCAPE ARCHITECT

CONCRETE WALL OVER

STEP DENOTES SLAB STEP

SLAB JOINTS

CJ CONSTRUCTION JOINT
SJ1 SAWN JOINT
DJ1 DOWEL JOINT
PJ PANEL JOINT
DEJ1 DOWELLED EXPANSION JOINT

SLABS

THICKNESS REMARKS
150 SL92 MESH, TOP
200 REFER SECTION FOR DETAILS

BORED PIERS

 MARK
 DIAMETER
 MIN. DEPTH

 BP1
 600
 800

 BP2
 450
 3500

PAD FOOTINGS MARK

 MARK
 LENGTH
 WIDTH
 DEPTH

 PF1
 750
 600
 450

 PF2
 750
 750
 600

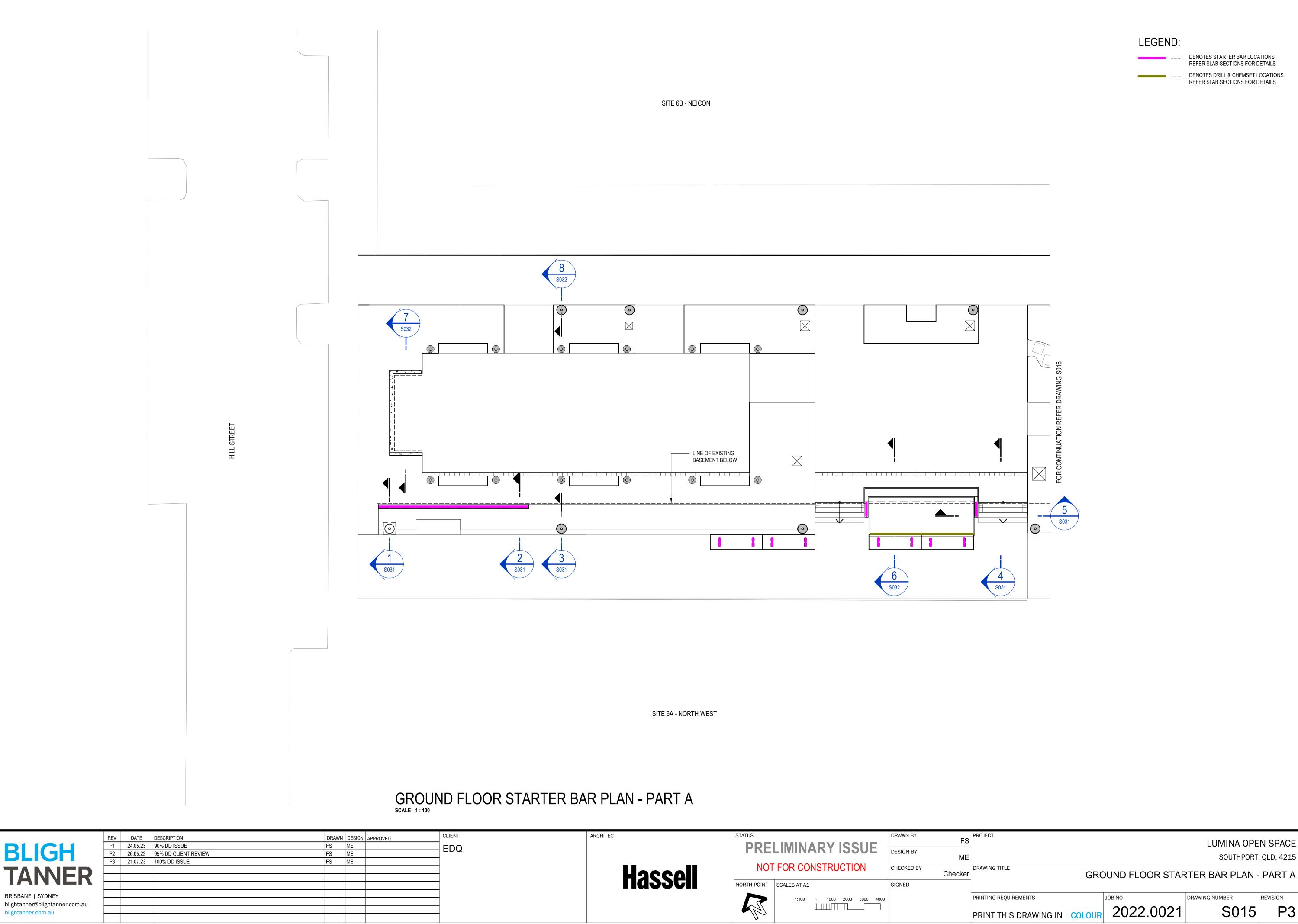
STRIP FOOTINGS

 MARK
 WIDTH
 DEPTH
 COMMENTS

 SF1
 800
 300
 REFER SECTION

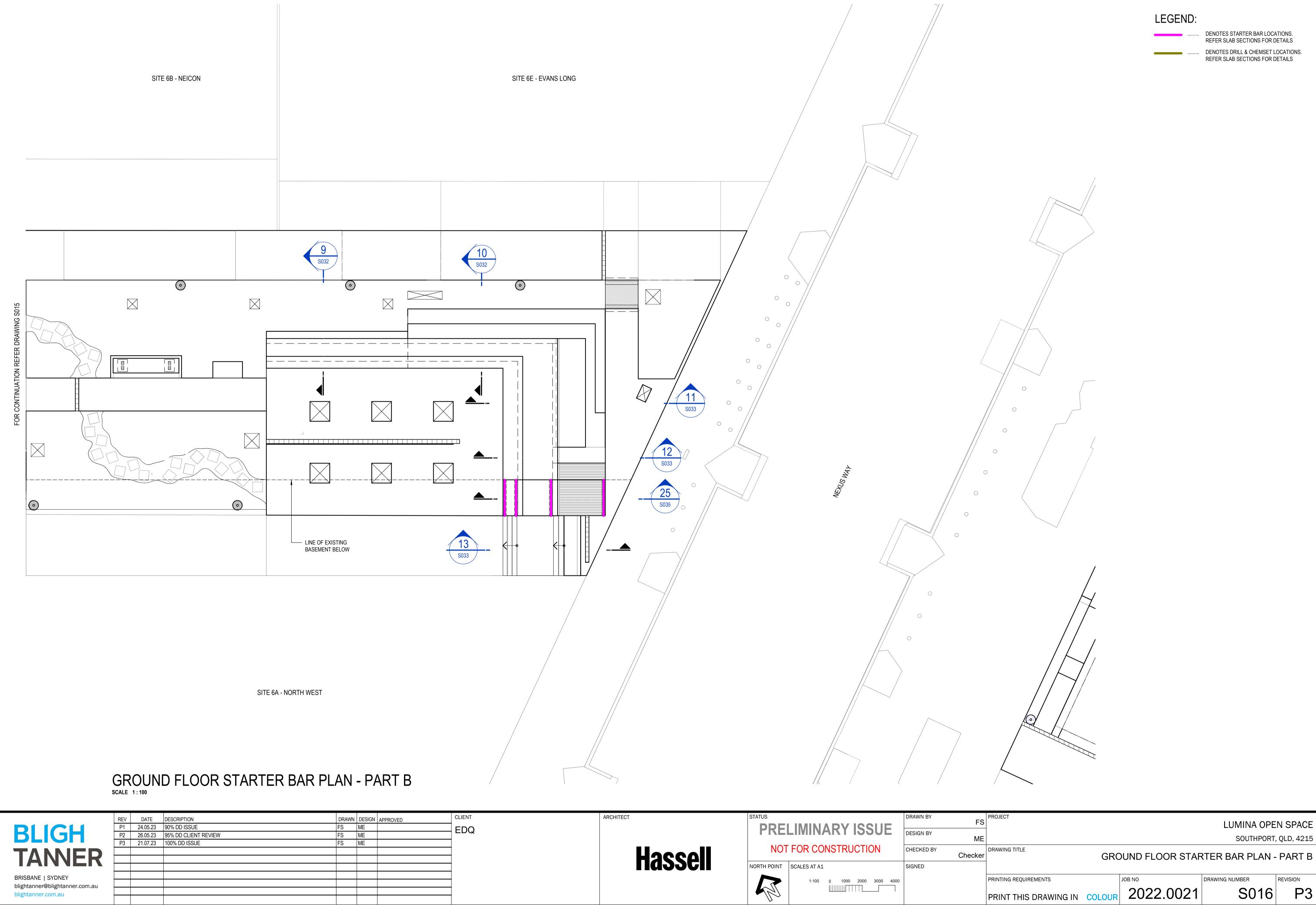
 SF2
 400
 450
 3N16 TOP & BTM WITH N12-400 CLOSED TIES

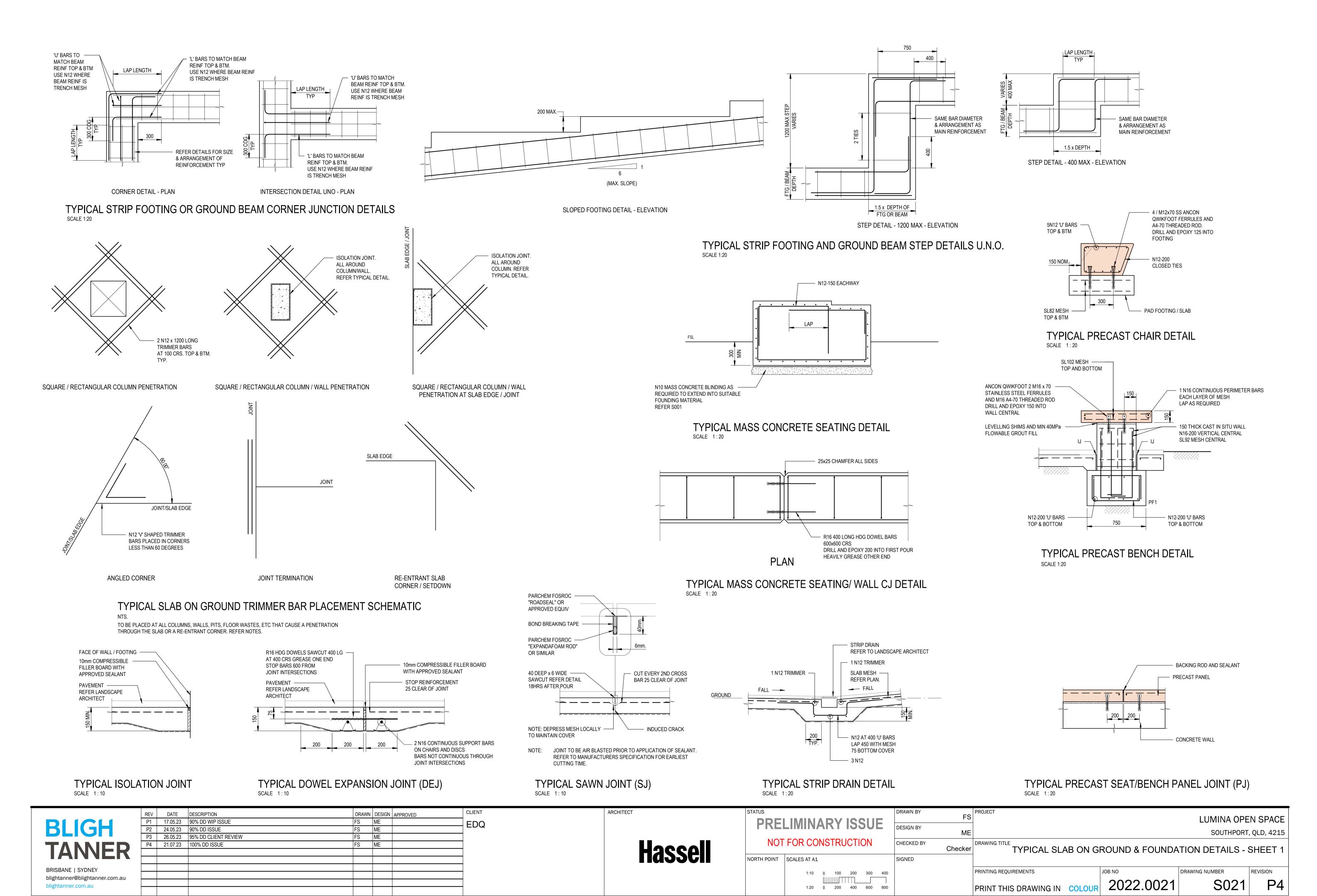
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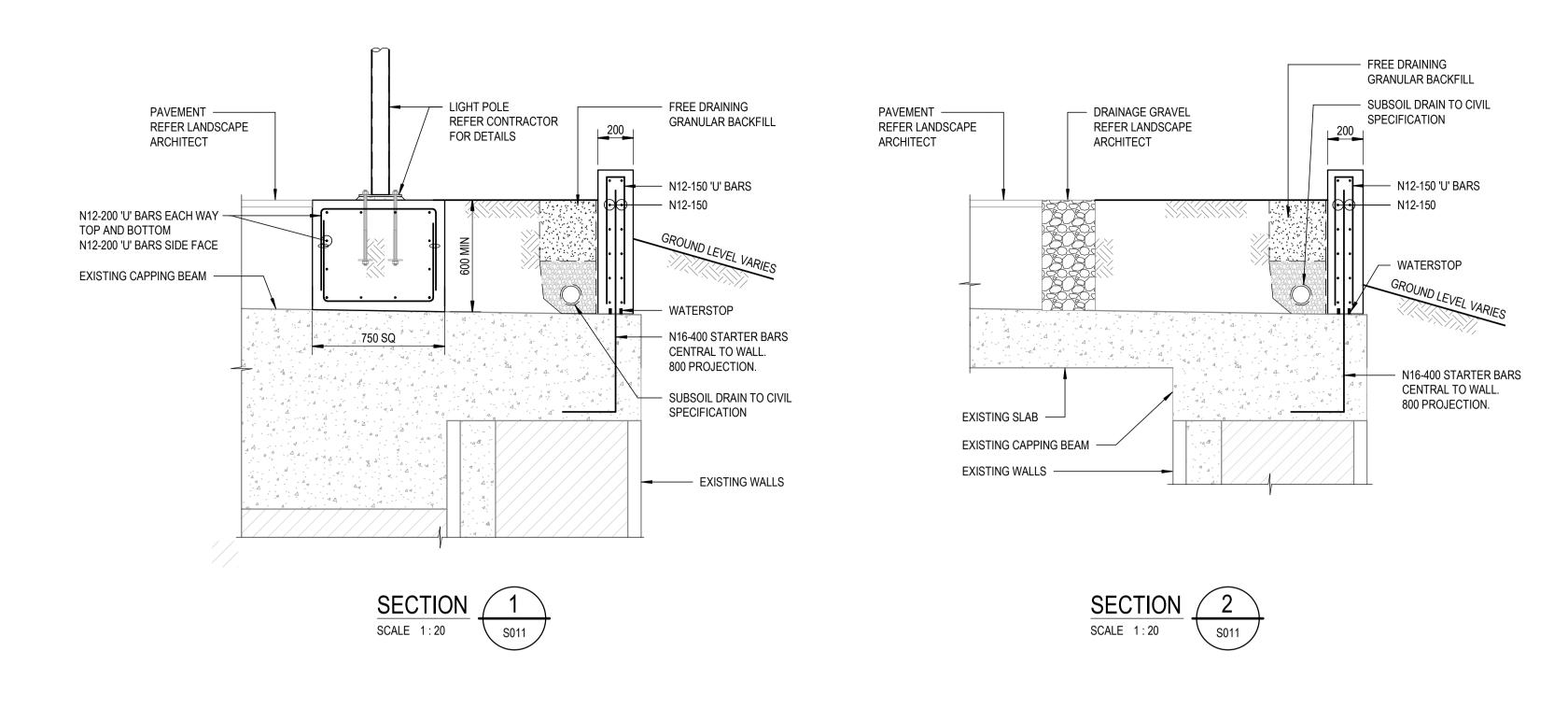


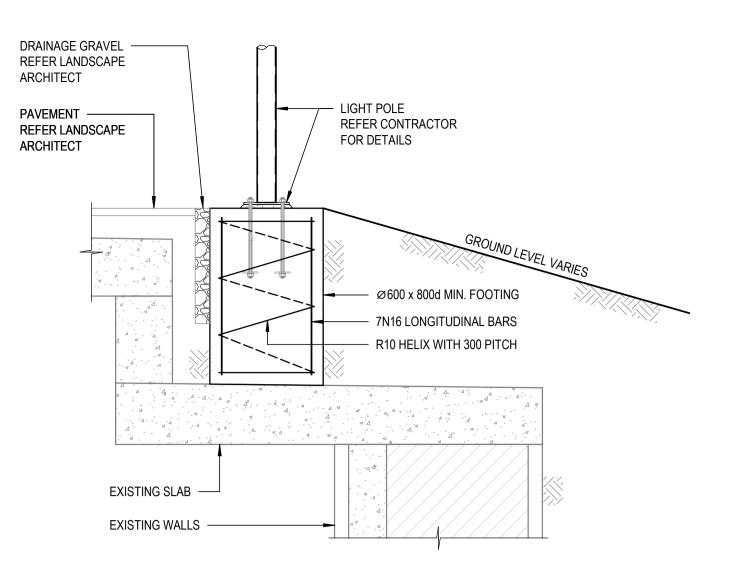
BLIGH

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DRAINAGE DETAILS AND SETOUT.

1. REFER STANDARD NOTES ON DRG S001 FOR CONCRETE STRENGTHS, COVERS,

BAR LAP LENGTHS, BEARING CAPACITIES ETC.

2. REFER LANDSCAPE ARCHITECTS DRAWINGS FOR ALL FLOOR FINISHES AND DETAILS TO ALL REBATES, STEPS, SETDOWNS AND FALLS ETC. AS WELL AS

SECTION 3
CALE 1:20 S011

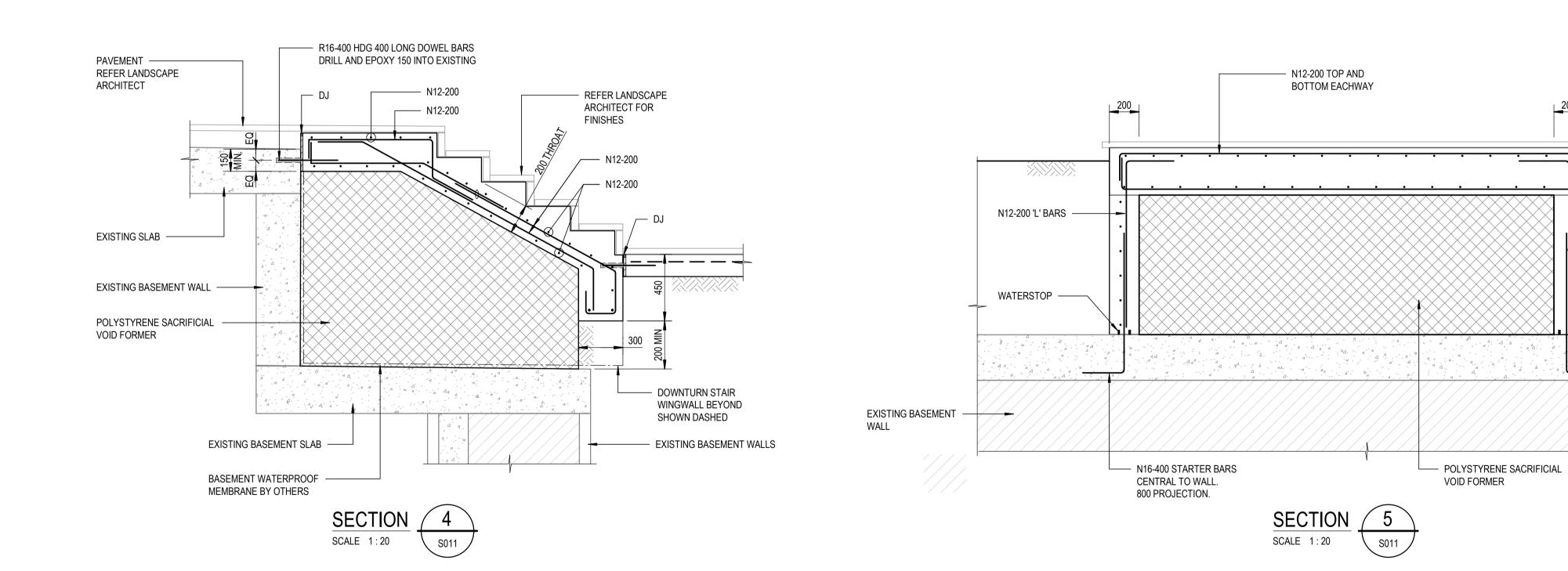
– N12-200

- N12-200

EXISTING SLAB

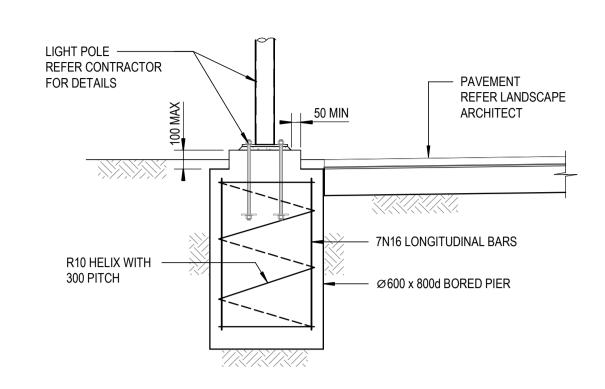
- N16-400 STARTER BARS

CENTRAL TO WALL. 800 PROJECTION.

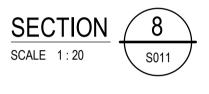


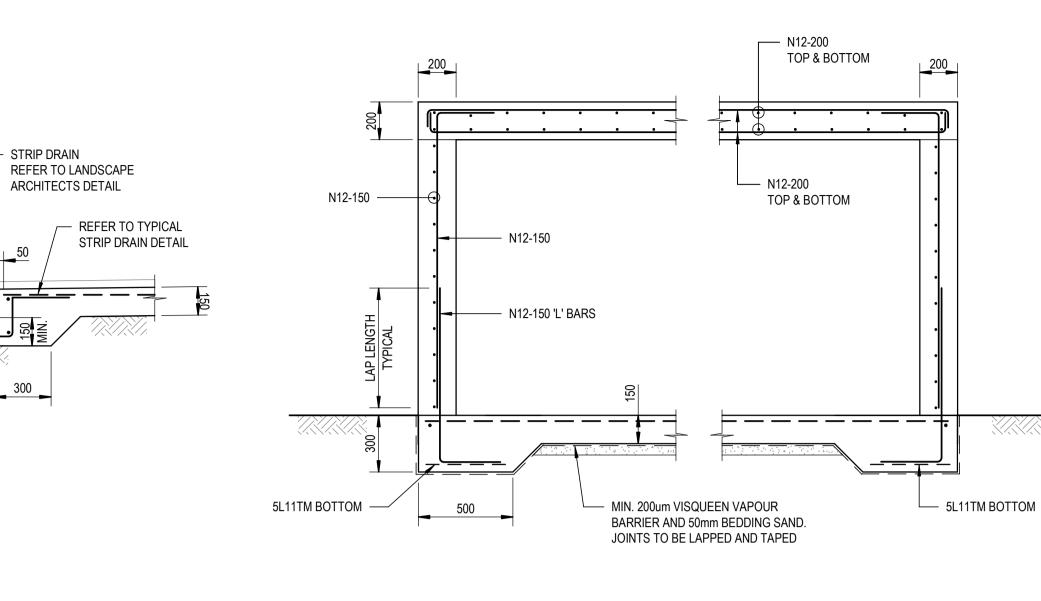
	REV DATE DESCRIPTION	DRAWN DESIGN APPROVED	CLIENT	ARCHITECT		DRAWN BY	PROJECT			NENI ODAGE
DIICH	P1 17.05.23 90% DD WIP ISSUE	FS ME	EDQ	P	RELIMINARY ISSU	F	10		LUMINA OPI	EN SPACE
BLIGH	P2 24.05.23 90% DD ISSUE	FS ME		· ·	CELIMINATO 1000	DESIGN BY	ME		SOUTHPOR'	RT, QLD, 4215
	P3 26.05.23 95% DD CLIENT REVIEW	FS ME			NOT FOR CONSTRUCTION	OUEOVED DV	DDAW/NO TITLE			1, 225, 1225
TARRIED	P4 21.07.23 100% DD ISSUE	FS ME		ЦооооП	NOT FOR CONSTRUCTION	CHECKED BY	DRAWING TITLE Checker	GROUND FLOOR S	I AR SECTIONS -	SHEET 1
TANIER				Hassell	DINT SCALES AT A1	SIGNED		GROUND I LOOK S	LAD SECTIONS -	OFFICE 1
BRISBANE SYDNEY					1:10 0 100 200 300	400	PRINTING REQUIREMENTS	JOB NO	DRAWING NUMBER	REVISION
blightanner@blightanner.com.au blightanner.com.au					1:20 0 200 400 600	800	PRINT THIS DRAWING IN COLO	JR 2022.0021	S031	1 P4

- REFER STANDARD NOTES ON DRG S001 FOR CONCRETE STRENGTHS, COVERS, BAR LAP LENGTHS, BEARING CAPACITIES ETC.
 REFER LANDSCAPE ARCHITECTS DRAWINGS FOR ALL FLOOR FINISHES AND DETAILS TO ALL REBATES, STEPS, SETDOWNS AND FALLS ETC. AS WELL AS DRAINAGE DETAILS AND SETOUT.



TYPICAL BORED PIER DETAIL







FREE DRAINING -

GRANULAR BACKFILL

SUBSOIL DRAIN TO —

N12-200 CLOSED TIES —

LINE OF INFLUENCE TO BE -BELOW BASEMENT SLAB

CIVIL SPECIFICATION

— PRECAST CONCRETE BENCH SEAT

- BASEMENT WATERPROOF

MEMBRANE BY OTHERS

EXISTING SLAB

4 4 4

REFER TYPICAL DETAIL

— N12-150 U.N.O

N12-200 U.N O

4N12 LONGITUDINAL TOP AND BOTTOM

800

EXISTING WALLS

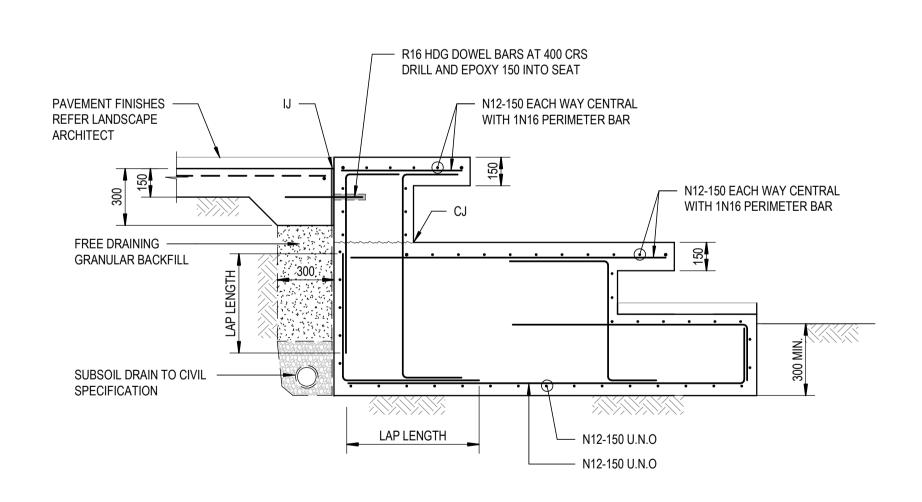
PAVEMENT ——— REFER LANDSCAPE ARCHITECT

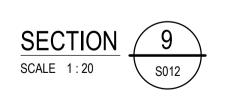
EXISTING SLAB —

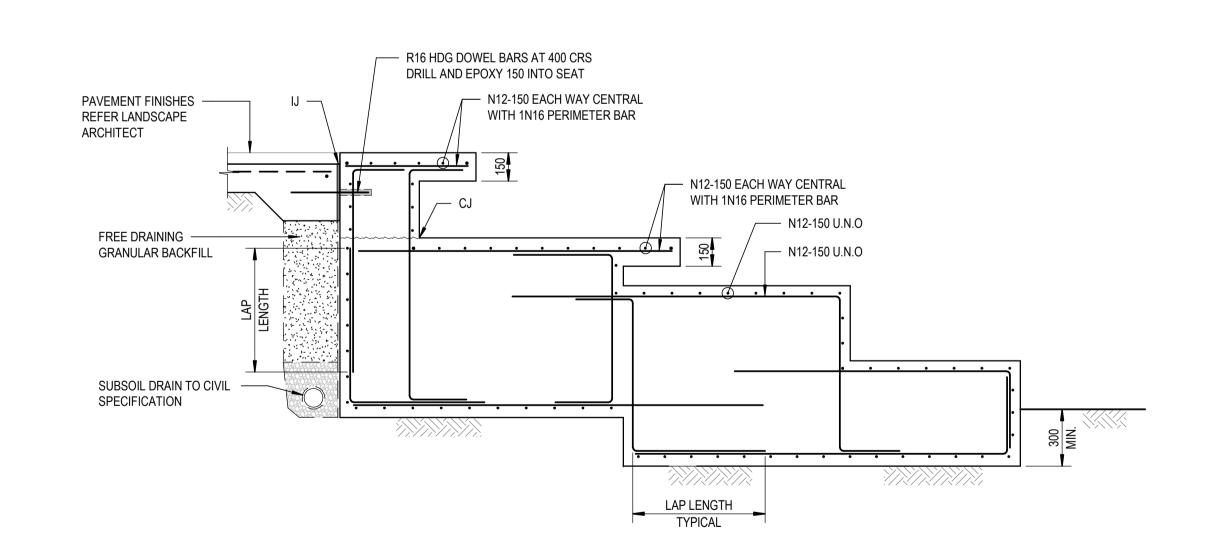
EXISTING BASEMENT

WALLS



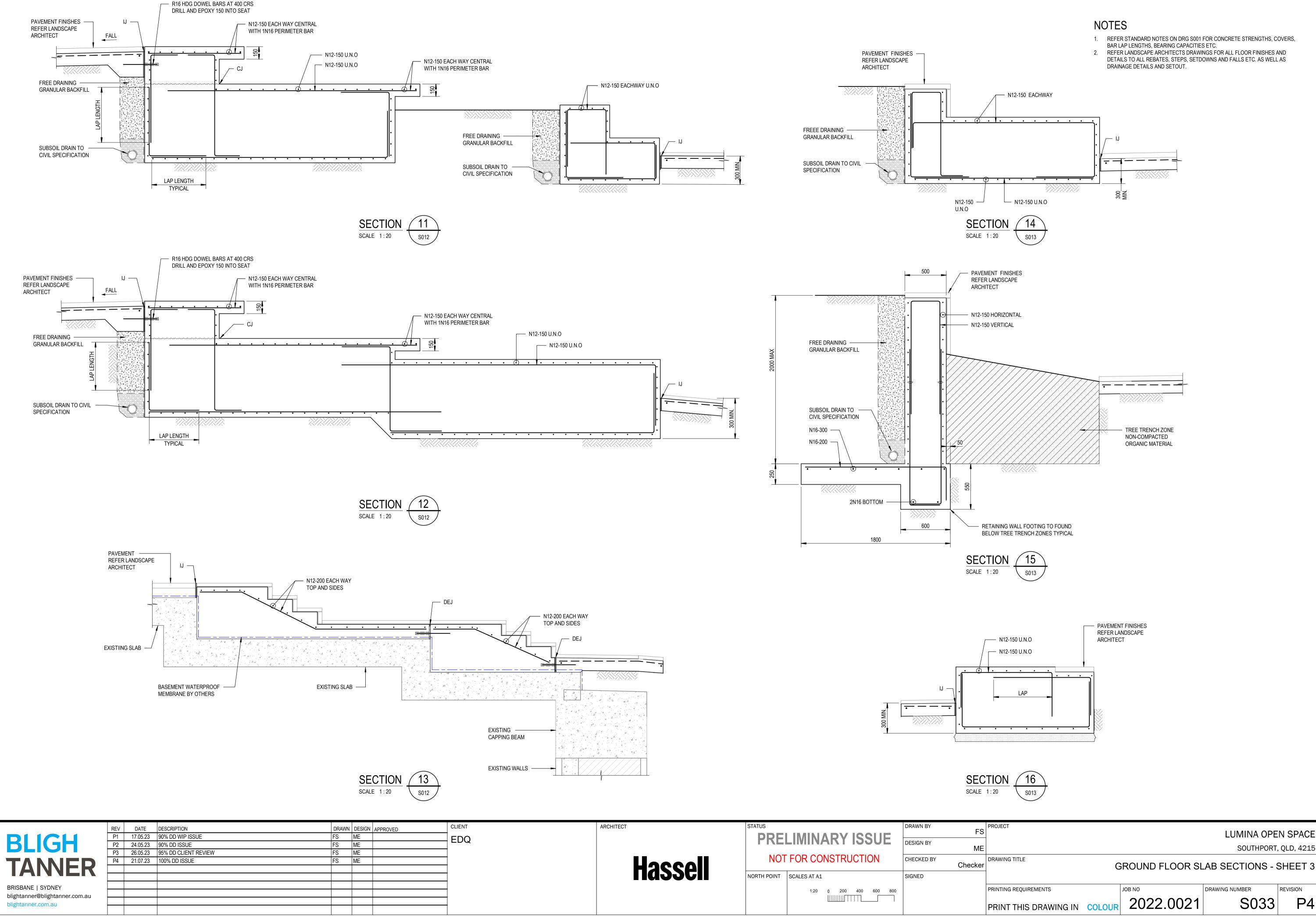




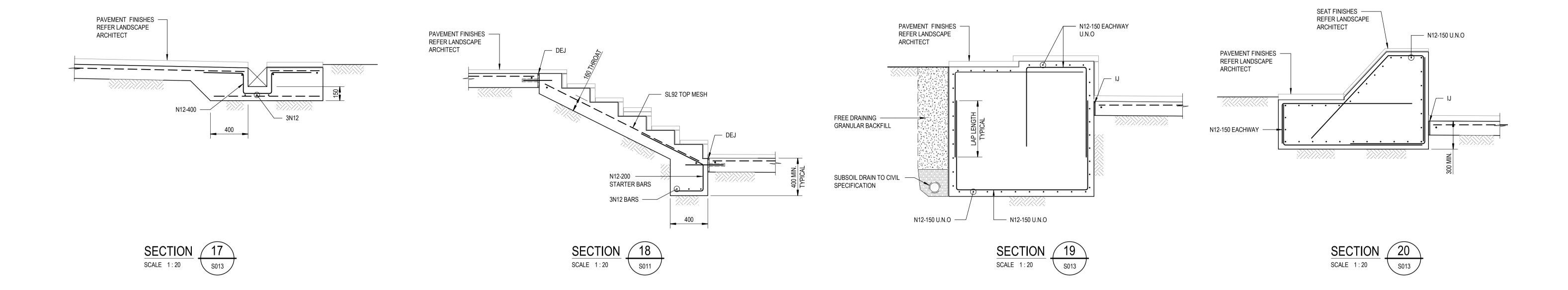


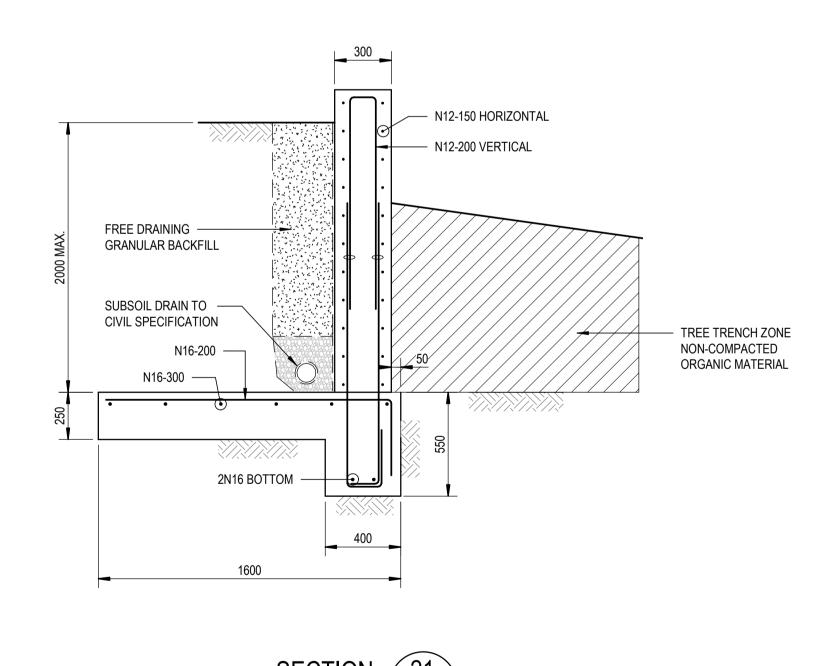
SECTION	10
SCALE 1:20	S012

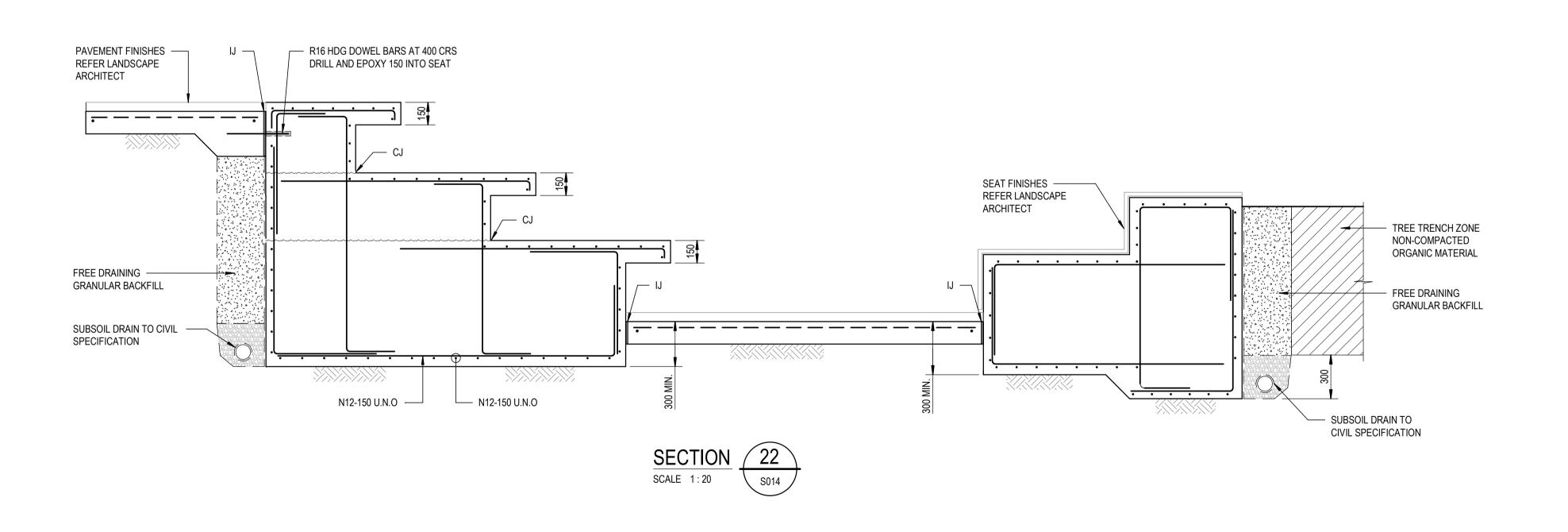
	REV DATE DESCRIPTION	DRAWN DESIGN APPROVED	CLIENT	ARCHITECT	STATUS		DRAWN BY	PROJECT			
DIICH	P1 17.05.23 90% DD WIP ISSUE	FS ME	EDQ		PRFI	LIMINARY ISSUE	DEGLON DV	<u> </u>		LUMINA O	OPEN SPACE
DLIGH	P2 24.05.23 90% DD ISSUE P3 26.05.23 95% DD CLIENT REVIEW	FS ME					DESIGN BY	ME		SOUTHPO	ORT, QLD, 4215
TANNER	P4 21.07.23 100% DD ISSUE	FS ME		Hassell	NOT NORTH POINT	FOR CONSTRUCTION	CHECKED BY	Checker DRAWING TITLE	GROUND FLOOR S	LAB SECTIONS	3 - SHEET 2
BRISBANE SYDNEY blightanner@blightanner.com.au					NORTH POINT	1:20 0 200 400 600 800	SIGNED	PRINTING REQUIREMENTS	JOB NO	DRAWING NUMBER	REVISION
blightanner.com.au								PRINT THIS DRAWING I	N COLOUR 2022.0021	S03	32 P4



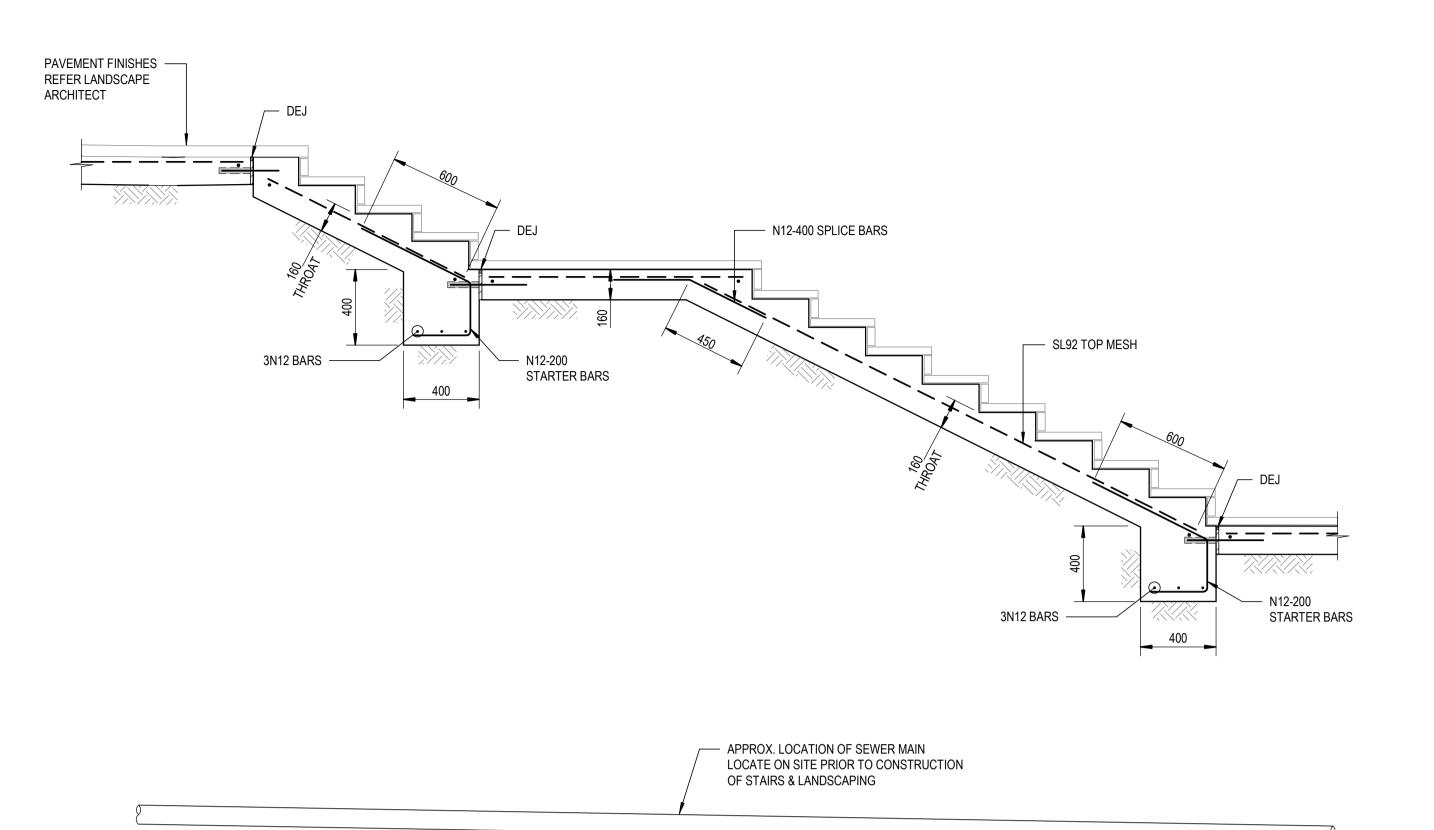
- REFER STANDARD NOTES ON DRG S001 FOR CONCRETE STRENGTHS, COVERS, BAR LAP LENGTHS, BEARING CAPACITIES ETC.
 REFER LANDSCAPE ARCHITECTS DRAWINGS FOR ALL FLOOR FINISHES AND DETAILS TO ALL REBATES, STEPS, SETDOWNS AND FALLS ETC. AS WELL AS DRAINAGE DETAILS AND SETOUT.

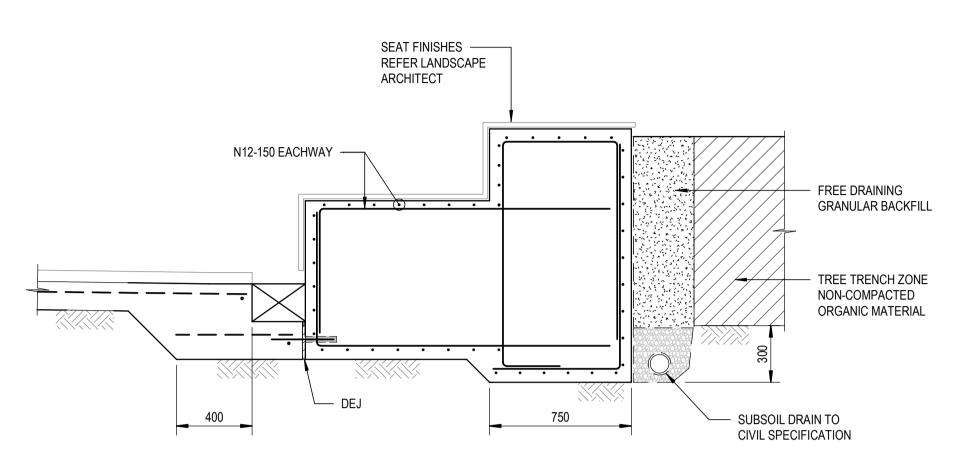






	REV DATE DESCRIPTION	DRAWN DESIGN APPROVED	CLIENT	ARCHITECT	STATUS	DRAWN BY	PROJECT			
DUCL	P1 17.05.23 90% DD WIP ISSUE	FS ME	EDQ		PRELIMINARY ISSUE		<u> </u>		LUMINA OPEI	N SPACE
BLIGH	P2 24.05.23 90% DD ISSUE	FS ME			I ILLEIMINARTI 1000L	DESIGN BY	ME		SOUTHPORT,	OLD. 4215
	P3 26.05.23 95% DD CLIENT REVIEW P4 21.07.23 100% DD ISSUE	FS ME			NOT FOR CONSTRUCTION	CHECKED BY	DRAWING TITLE			, -
TANNER	P4 21.07.23 100% DD ISSUE	F5 IVIE		Нассан	NOTI OR CONCINCON	Chec	cker (GROUND FLOOR SI	LAB SECTIONS - S	SHEET 4
				Hassell	NORTH POINT SCALES AT A1	SIGNED				
BRISBANE SYDNEY					1:20 0 200 400 600 800		PRINTING REQUIREMENTS	JOB NO	DRAWING NUMBER	REVISION
blightanner@blightanner.com.au blightanner.com.au							PRINT THIS DRAWING IN COLOUR	2022.0021	S034	P4



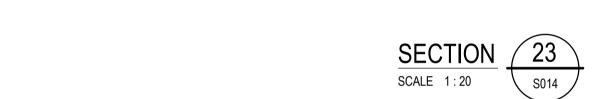


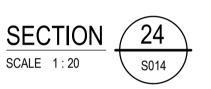
DRAINAGE DETAILS AND SETOUT.

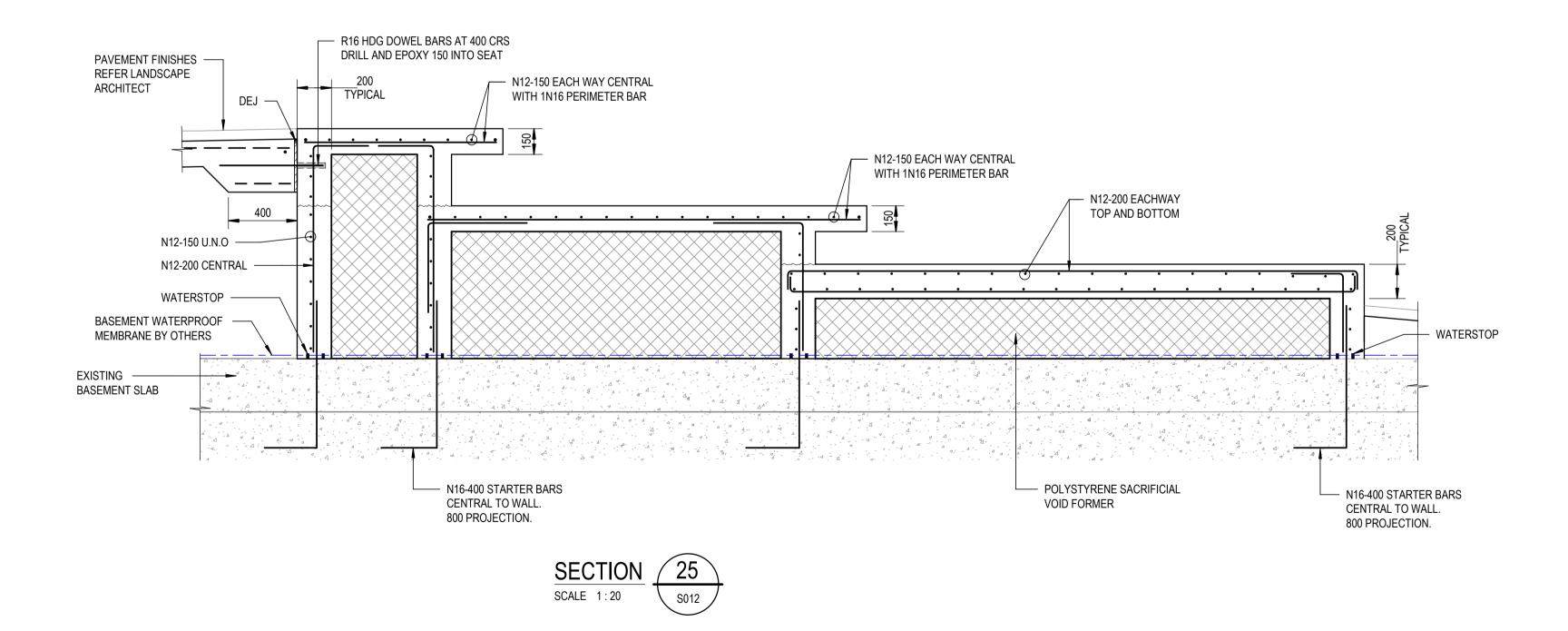
1. REFER STANDARD NOTES ON DRG S001 FOR CONCRETE STRENGTHS, COVERS,

BAR LAP LENGTHS, BEARING CAPACITIES ETC.

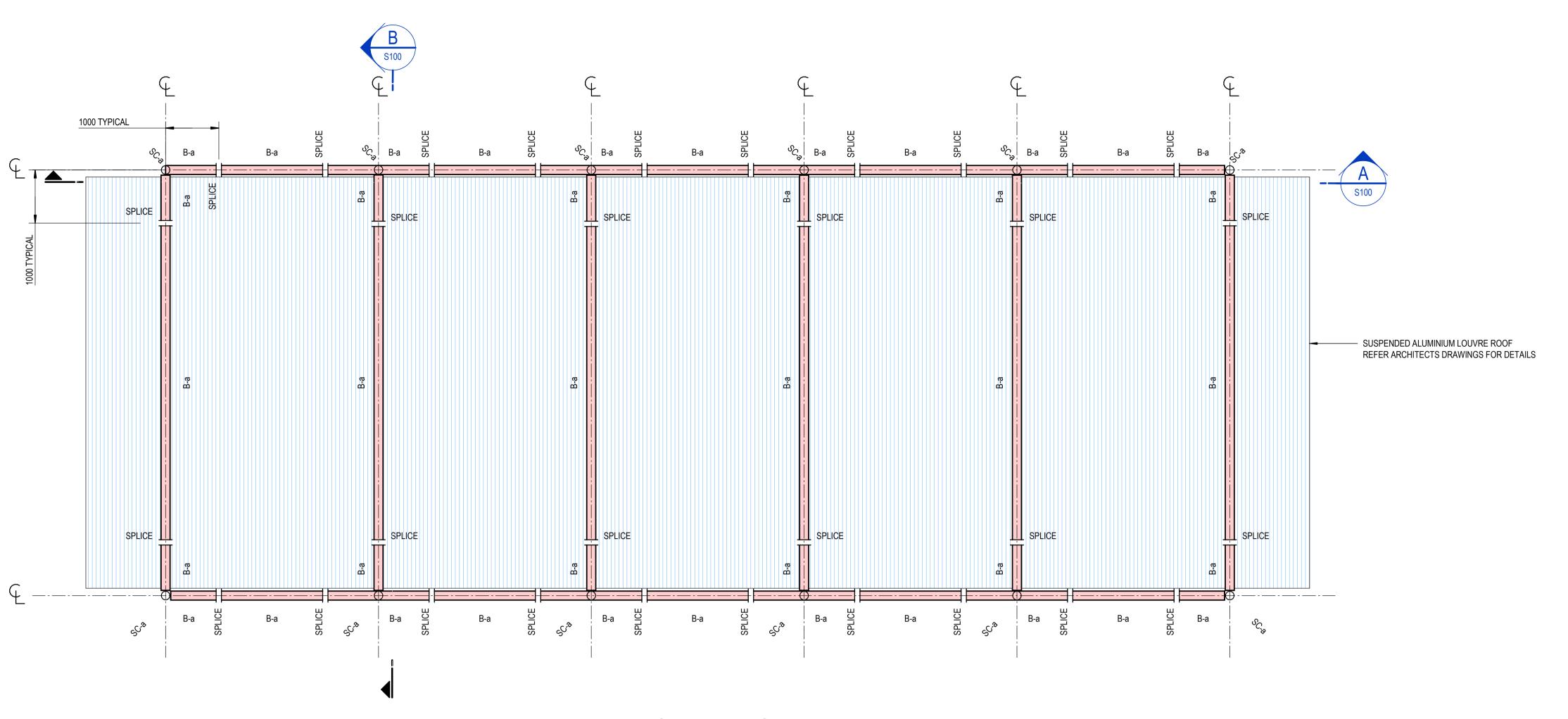
2. REFER LANDSCAPE ARCHITECTS DRAWINGS FOR ALL FLOOR FINISHES AND DETAILS TO ALL REBATES, STEPS, SETDOWNS AND FALLS ETC. AS WELL AS







	REV DATE DESCRIPTION	DRAWN DESIGN APPROVED	CLIENT	ARCHITECT	STATUS	DRAWN BY	PROJECT	
DIICH	P1 24.05.23 90% DD ISSUE	FS ME	EDQ		PRELIMINARY ISSUE		13	LUMINA OPEN SPACE
BLIGH	P2 26.05.23 95% DD CLIENT REVIEW P3 21.07.23 100% DD ISSUE	FS ME				DESIGN BY	ME	SOUTHPORT, QLD, 4215
TANNER	10 21.01.20 1007/5B 10002			Haggall	NOT FOR CONSTRUCTION	CHECKED BY	Checker DRAWING TITLE	GROUND FLOOR SLAB SECTIONS - SHEET 5
				Hassell	NORTH POINT SCALES AT A1	SIGNED		
BRISBANE SYDNEY blightanner@blightanner.com.au					1:20 0 200 400 600 800		PRINTING REQUIREMENTS	JOB NO DRAWING NUMBER REVISION
blightanner.com.au							PRINT THIS DRAWING	IN COLOUR 2022.0021 S035 P3



STEEL MEMBER MARKS:

	MEMBER DESCRIPTION. REFER DESCRIPTION SCHEDULE
\	MEMBER MARK. REFER STEEL FRAMING / COLUMN SCHEDULE
R-a (u) —	MEMBER POSITION. REFER FRAMING LEGEND

MEMBER DESCRIPTIONS:

IVILI		110110.	
В	 BEAM	RB	 ROOF BEAM
D	 DROPPER	S	 STRUT
HB	 HORIZONTAL BRACING	SC	 STEEL COLUMN
FR	 FRAME	ST	 STUB COLUMN
M	 MULLION	VB	 VERTICAL BRACING
OR	 OUTRIGGER	WH	 WALL HEAD
R	 RAFTER		

FRAMING LEGEND:

(u) DENOTES STRUCTURAL ELEMENT UNDER
(o) DENOTES STRUCTURAL ELEMENT OVER
FB DENOTES FLYBRACE. REFER TYPICAL DETAILS.

NOTES:

- ALL EXTERNAL STEELWORK TO BE HOT DIPPED GALVANISED UNLESS NOTED OTHERWISE
- 2. FRAMING PLANS ARE TO BE READ IN CONJUNCTION WITH FRAMING
- SECTIONS AND STANDARD NOTES.

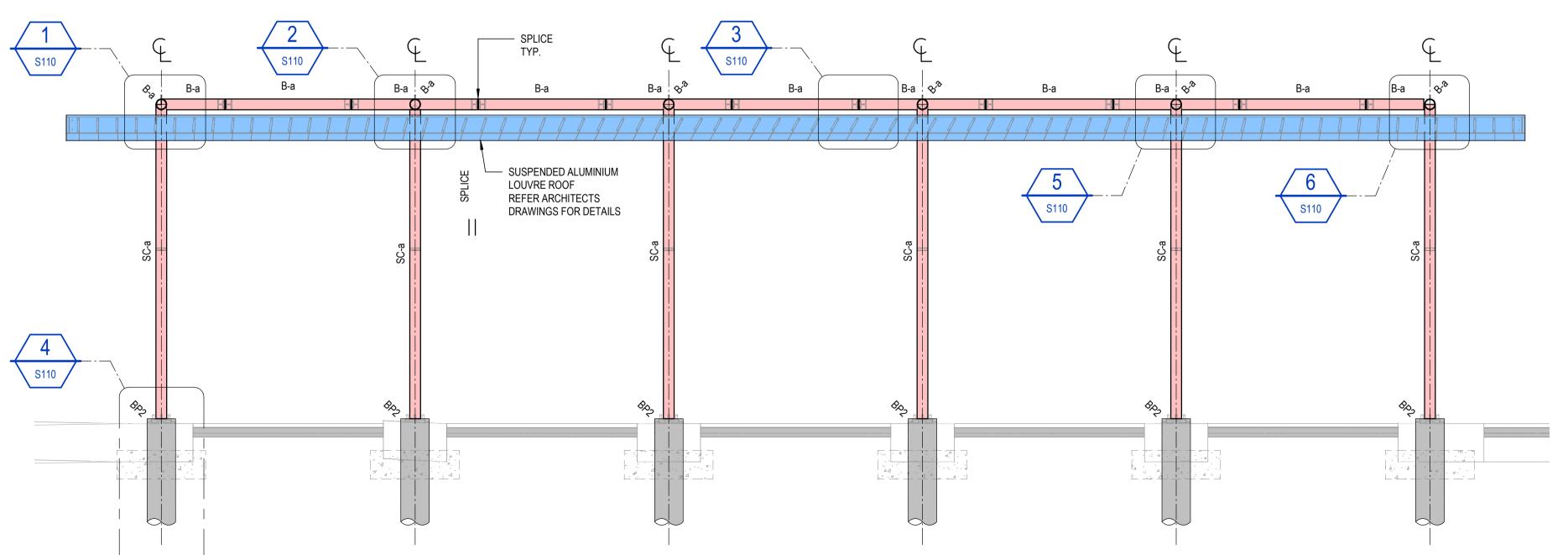
 3. REFER STANDARD NOTES ON DRG. S001 FOR STEEL WORK, TIMBER,
- STEEL STUD AND WELDING DETAILS.
 4. STEEL TRELLIS FRAMING TO HAVE A PROTECTIVE PAINT FINISH
- PUR5 OR EHB6 TO AS2312.1 2014.
 REFER ARCHITECT FOR SPECIFICATION.

STEEL FRAMING

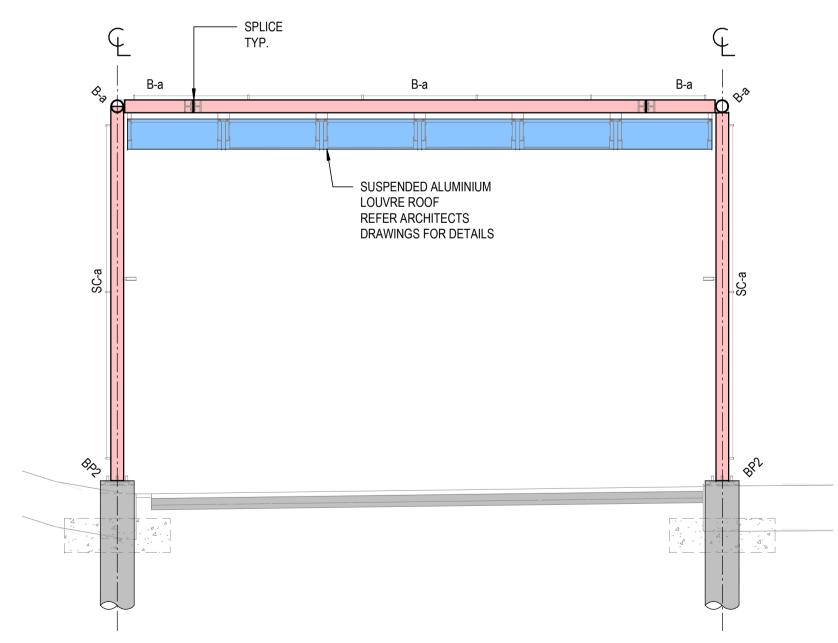
MARK SIZE COMMENTS

a 168.3x7.1 CHS

TRELLIS FRAMING PLAN



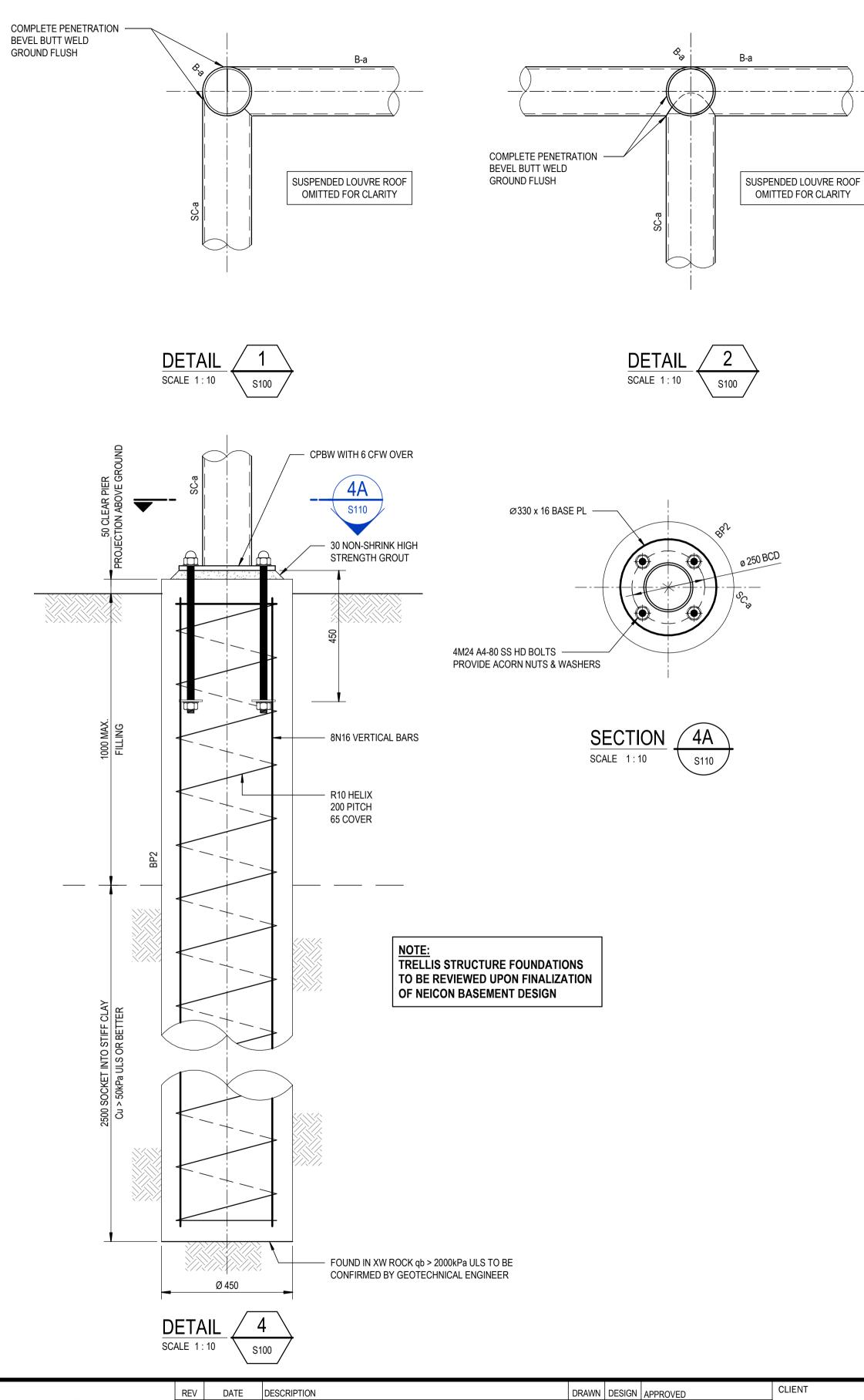
ELEVATION

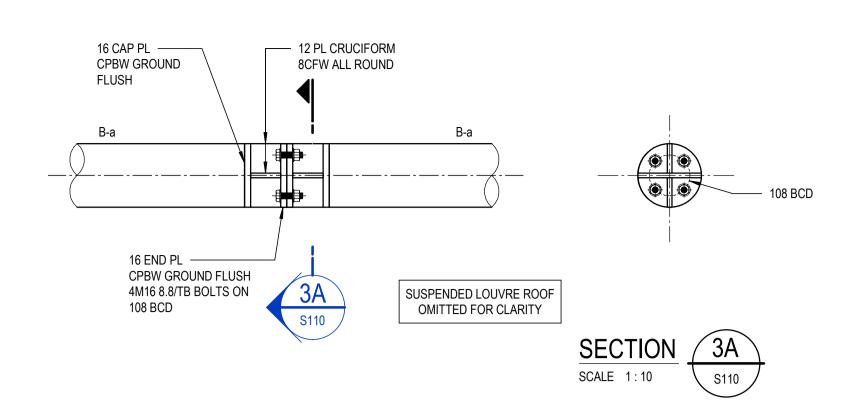


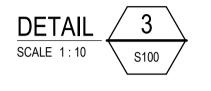
ELEVATION

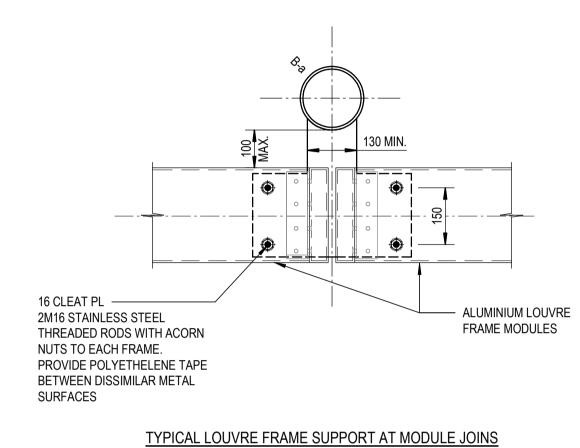
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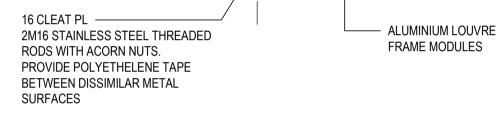




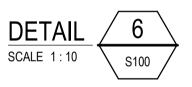












TYPICAL LOUVRE FRAME SUPPORT

	REV DATE	DESCRIPTION	DRAW	N DESIGN APPROVED	CLIENT	ARCHITECT	STAT	JS	DRAWN BY	FS	PROJECT			N CDACE
DUCH	P1 17.05.23	90% DD WIP ISSUE	FS	ME	EDQ			PRELIMINARY ISSUE					LUMINA OPEI	IN SPACE
BLIGH		90% DD ISSUE	FS	ME			'	IXELIMINANT 1000L	DESIGN BY	ME			SOUTHPORT,	OLD, 4215
		95% DD CLIENT REVIEW	FS	ME				NOT FOR CONCERNICTION						, 4-2, 1-2
TANNER	P4 21.07.23	100% DD ISSUE	FS	ME		ЦооооЩ		NOT FOR CONSTRUCTION	CHECKED BY	Checker	DRAWING TITLE	EDAI	MING DETAILS - S	SHEET 1
IAINICK						Hassell				Oncoron		FRAI	WIING DETAILS - S	SHEETT
17 11 1 1 1 1 1						IIUUUUII	NOR'	TH POINT SCALES AT A1	SIGNED					
BRISBANE SYDNEY								1:10 0 100 200 300 400			PRINTING REQUIREMENTS	JOB NO	DRAWING NUMBER	REVISION
blightanner@blightanner.com.au					_							0000 0004	0440	D 4
blightanner.com.au					-						PRINT THIS DRAWING IN COLOUR	2022.0021	S110	P4