GENERAL

- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANTS DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT.
- NY DISCREPANCY OCCURS ON THE ENGINEERS DRAWINGS OR BETWEEN DRAWINGS SPECIFICATIONS, THE CONTRACTOR SHALL DURING TENDERING ASSUME THE SPECIFICATIONS, THE CONTRACTOR SHALL BE REFERRED TO THE ENGINEER OR GER/GREATER. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER OR ERINTENDANT BEFORE PROCEEDING WITH WORK.

 SET OUT DIMENSIONS SHALL BE OBTAINED FROM ARCHITECT'S DRAWINGS AND CIFICATIONS. DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE STRUCTURAL WINGS
- NGS. NG OUT DIMENSIONS SHOWN ON THE DRAWINGS SHALL BE VERIFIED BY THE
- R. S NOTED OTHERWISE LEVELS ARE IN METRES AND DIMENSIONS ARE IN STREES.

 BITRES.

 TURE DURING ERECTION/CONSTRUCTION UNTIL COMPLETION OF ALL WORKS AND ING THAT NO PART OF THE STRUCTURE IS OVER STRESSED BY EXCESSIVE AND THAT NO PART OF THE STRUCTURE IS OVER STRESSED BY EXCESSIVE AND THAT NO PART OF THE STRUCTURE IS OVER STRESSED BY EXCESSIVE AND THE STRUCTURE IS OVER STRUCTURE BY THE STRUCTURE IS OVER STRUCTURE BY THE BY
- AS 1163 AS 1418 AS 1428 AS 1302 AS 1554 AS 1720 AS 2157 AS 2327 AS 2327 AS 3610 AS 3798 AS 3798
- AS 4100 AS 4671
- 8. ANY SUBSTITUTION OF MATERIALS SHALL BE APPROVED BY THE ENGINEER.
 9. REFER TO ARCHITECTS DRAWINGS FOR LOCATION, IF ANY, OF DETAILS OF GROOVES, FILLETS, HOBS, DRIP GROOVES AND THE LIKE AFFECTING THE STRUCTURAL WORKS.
 10. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, LEVELS, GRADINGS, SETDOWNS AND FINISHES OF ALL SLABS AND PAVEMENTS.
 11. WATERPROOFING AND TERMITE CONTROL OF ALL ELEMENTS SHALL BE IN STRICT ACCORDANCE WITH THE ARCHITECTS SPECIFICATION.
 12. DETERMINE POSITIONS OF SERVICES AND REQUIREMENTS FOR ALL SERVICES BEFORE PLACING ANY CONCRETE. ALL PLUMBING WORK SHALL BE INSTALLED WITH FLEXIBLE CONNECTIONS TO PERMIT RELATIVE MOVEMENT OF SLABS. THE PANELS AND FOOTINGS SHALL BE THICKENED WHERE WASTE PIPES ARE EMBEDDED IN THE ELEMENT TO PROVIDE A SECTION OF EQUIVALENT STRENGTH. ANY PIPES THROUGH BEAMS MUST GO THROUGH THE MIDDLE THIRD OF THE SECTION.
 13. GIVE AT LEAST 24 HOURS NOTICE OF AN INSPECTION BEING REQUIRED.
 14. ABBREVIATIONS:
 15. NOT TO SCALE
 16. NOT SHOWN ON PLAN
 17. NOT SHOWN ON PLAN

AND LOCAL GOVERMENT ORDINANCES FOR THE FOLLOWING LOADINGS:	SR THE FOLLOWING LOADINGS:-
STRUCTURAL ELEMENT	LIVE LOAD (kPa) UNO
ROOF - MAIN MEMBERS - PURLINS	0.25 0.40 / 1.4kN POINT
STAIRS & LANDINGS	4.0

WIND LOADING HAS BEEN

LEVEL OF IMPORTANCE = 2

DETERMINATION OF DESIGN LOADING FOR NON-STRUCTURAL ELEMENTS AS GLAZING, CEILING AND CLADDING SYSTEMS, SHALL BE THE RESPONSIBLILITY OF THE CONTRACTOR.

SITE CL	SITE CLASSIFICATION
SITE CLASSIFICATION:	(CLASS P' (H1-D)
TYPE CONSTRUCTION:	STEEL FRAME/ARTICULATED MASONRY VENE
SELECTED FOOTING SYSTEM:	PAD FOOTING/INFILL SLAB
QUALIFIER :	ALBURY WODONGA GEOTECHNICAL
QUALIFIER ADDRESS:	16 KANE ROAD, WODONGA
REPORT:	24AWG1627
DATED:	08 NOVEMBER 2024

	DRAWING SCHEDULE	
SHEET No.	DETAILS	ISSUE
> -	CONSTRUCTION NOTES GROUND FOUNDATION & SLAR DLAN	90
w	MEZZANINE SLAB & LOWER ROOF FRAMING PLAN	0
t	GROUND FLOOR WALL BRACING PLAN	0
ъ	FIRST FLOOR ROOF FRAMING PLAN	0
٥	FIRST FLOOR WALL BRACING PLAN	0
7	ELEVATION & SECTION	0
∞	FOUNDATION DETAILS	0
9	FRAMING DETAILS 1	0
10	FRAMING DETAILS 2	D

ARCHITECT/DESIG	ARCHITECT/DESIGNER AMENDMENTS
THESE DRAWING ARE BASED ON ARCHITECTURAL DRAWING ISSUE AS FOLLOWS	ECTURAL DRAWING ISSUE AS FOLLOWS
ARCHITECT/DESIGNER	ROB PICKETT DESIGN
ARCHITECT/DESIGNER DATE & ISSUE	24-06-2024

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FOUNDATION

- FOUNDATION MATERIAL TO BE <u>CLAY OR SANDY CLAY</u> WITH A MINIMUM <u>SAFE</u> BEARING CAPACITY OF 125kPa FOR STRIP FOOTINGS AND PAD FOOTINGS, BORED PIERS ARE DESIGNED FOR <u>SAFE</u> BEARING CAPACITY OF 150kPa AND SHAFT ADHESION OF 15kPa.

DESIGN CRITERIA

THE STRUCTURAL COMPONENTS DETAILED ON THESE DRAWINGS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE RELEVANT AUSTRALIAN STANDARDS AND LOCAL GOVERMENT ORDINANCES FOR THE FOLLOWING LOADINGS:-

STRUCTURAL ELEMENT	LIVE LOAD (kPa) UNO
ROOF - MAIN MEMBERS	0.25
STAIRS & LANDINGS	4.0
OFFICE ACCROOM	J >

WIND REGION A1
TERRAIN CATEGORY = 2.5
ULTIMATE WIND SPEED (Vu) = 45m/s
SERVICEABILITY WIND SPEED (Vs) = 37m/s

EARTHQUAKE LOADING HAS BEEN DETER BASED ON:-

kp = 1.0 HAZARD FACTOR = 0.09 EDC = II

	DRAWING SCHEDULE	
ET No.	DETAILS	ISSUE
-	CONSTRUCTION NOTES	D
2	GROUND FOUNDATION & SLAB PLAN	0
ω	MEZZANINE SLAB & LOWER ROOF FRAMING PLAN	0
4	GROUND FLOOR WALL BRACING PLAN	0
5	FIRST FLOOR ROOF FRAMING PLAN	0
٥	FIRST FLOOR WALL BRACING PLAN	0
7	ELEVATION & SECTION	0
∞	FOUNDATION DETAILS	0
9	FRAMING DETAILS 1	0
<u></u>	FRAMING DETAILS 2	0

0	FRAMING DETAILS 2	•
0	FRAMING DETAILS 1	
0	FOUNDATION DETAILS	
0	ELEVATION & SECTION	
0	FIRST FLOOR WALL BRACING PLAN	
0	FIRST FLOOR ROOF FRAMING PLAN	
_	GROUND FLOOR WALL BRACING FLAN	

- OF 15kPa.

 THE ASSUMED FOUNDING LEVELS OF THE FOOTINGS ARE TO BE AS INDICATED ON THE ASSUMED FOUNDING LEVELS OF THE FOOTINGS ARE TO BE AS INDICATED ON THE DRAWINGS. BEFORE ANY REINFORCEMENT OR CONCRETE IS PLACED, THE SAFE BEARING CAPACITY OF THE GROUND IS TO BE VERIFIED BY A QUALIFIED ENGINEER ENGAGED BY THE CONTRACTOR. EXCAVATION SHALL CONTINUE UNTIL THE REQUIRED BEARING CAPACITY IS FOUND. THE OVER-EXCAVATION SHALL BE BACK-FILLED WITH A MASS CONCRETE MIX WITH THE APPROVAL OF THE ENGINEER.

 ALL WALLS AND COLUMNS SHALL BE CONCENTRIC WITH SUPPORTING FOOTING UNLESS NOTED OTHERWISE ON DRAWINGS.

 EXCAVATION SHALL NOT EXTEND BELOW A LINE DIPPING AT 45° AND AWAY FROM THE NEAREST UNDERSIDE CORNER OF ANY EXISTING FOOTINGS.

 EXCAVATE TO FIRM, DRY GROUND AND MAINTAIN THE EXCAVATION IN A DRY CONDITION. REMOVE ANY SOFT GROUND AS DIRECTED BY THE GEOTECHNICAL
- STRUCTURAL STEEL HOLLOW SECTIONS.
 CRANES, HOISTS AND WINCHES.

 DESIGN FOR ACCESS AND HOBILITY.—
 METHODS OF TESTING SOILS FOR ENGINEERING PUSTEEL REINFORCING BARS FOR CONCRETE.
 WELDING OF STEEL STRUCTURES.
 TIMBER STRUCTURES CODE.
 PILNG CODE.
 COMPOSITE CONSTRUCTION CODE.
 RESIDENTIAL SLAB AND FOOTINGS.
 CONCRETE STUCTURES.
 FORMWORK FOR CONCRETE.
 MASONRY CODE.
 GUIDELINES ON EARTHWORKS FOR COMMERCIAL AN RESIDENTIAL DEVELOPMENTS.
 TILT-UP COMCRETE CODE.—
 STEEL STRUCTURES.
 STEEL STRUCTURES.

BACKFILLED TRENCH OR OTHER EXCAVATION

SLAB ON GROUND

- REFER TO CONCRETE NOTES FOR REINFORCED CONCRETE. CLEAR THE AREA OF ALL ORGANIC SOIL, SOD, ROCK MATERIAL AND EXISTING PAVING.
- SG3.

- IDE APPROVED SPACERS (TO ENSURE THE MINIMUM CONCRETE COVER) AT MAXIMUM CENTRES.

 N REINFORCEMENT INSTALLATION IS COMPLETE, PLACE CONCRETE IN THE PIER TO REINFORCEMENT INSTALLATION IS COMPLETE, PLACE CONCRETE IN THE PIER TO CRISIDE OF CAP BEAM OR TO NATURAL SURFACE LEVEL. LEVEL USING A TREMIE OF 200mm MINIMUM DIAMETER. ALL WATER TO BE REMOVED FROM HOLE BEFORE THE CONCRETE
- PIER CUT-OFF LEVEL.....PIER POSITION AT CUT-OFF LEVEL.

HGH STREI

- PAVING.

 PAVING.

 PAVING.

 SG3. ALL TOPSOIL AND ORGANIC MATTER SHALL BE REMOVED PRIOR TO PLACING AND COMPACTION ORDACTION.

 SG4. RIBS AND THICKENINGS ARE TO BE FOUNDED IN ORIGINAL UNDISTURBED GROUND OR RECOMPACTED GROUND HAVING A SAFE ALLOWABLE BEARING CAPACITY OF 100kPa AND THE SLAB IS TO REST ON GROUND OF 50kPa MINIPHUM.

 SG5. WHERE EXCAVATION TO A GREATER DEPTH THAN THAT REQUIRED TO CONSTRUCT THE EDGE BEAM OR FOOTING IS NECESSARY, IT IS PERMISSIBLE TO BRING IT UP TO THE REQUIRED DEPTH USING BLINDING MATERIAL.

 SG6. ANY SOFT SPOT OR LOOSE AREAS SHALL BE REMOVED AND BACKFILLED WITH SELECTED GRANULAR MATERIAL OR AS DIRECTED BY THE SUPERINTENDENT AND COMPACTED AS SPECIFIED.

 SG7. WHERE FILLING IS REQUIRED, IT SHALL BE ROAD BASE MATERIAL OR CRUSHER DUST PLACED IN LAYERS NOT EXCEEDING 150mm, COMPACTED TO 95% ± 2%omc STANDARD COMPACTION IN ACCORDANCE WITH AS 1289

 PART 1. MAXIMUM DEPTH OF FILLING 800mm U.N.O., EXCEPT FOR SUSPENDED SLABS WHICH MAY BE PLACED ON LOOSE FILL COMPACTED SUFFICIENTLY TO SUPPORT THE WEIGHT OF THE WET CONCRETE PLUS CONSTRUCTION LOADING.

 SG8. ALL FILL MATERIAL ENCOUNTERED UNDER BUILDING AREAS SHALL BE STRIPPED AND RECOMPCTED AFTER REMOVAL OF ALL FOREIGN MATTER AS DIRECTED BY A QUALIFIED GEOTECHNICAL ENGINEER. IF THE FILL MATERIAL EXCEEDS 1.0m, THE MATTER SHALL BE REFERRED TO THE SUPERINTENDENT.

 SG8. ALL SLABS. PROVIDE 100mm COMPACTED DEPTH OF LEVELLING ROADBASE MATERIAL OR CRUSHER DUST OVERLAID BY 0.2mm THICKNESS HIGH DENSITY POLYTHENE SHEETING LAPPED 300mm AND TAPED AT ALL JOINTS AND AROUND PLUMING FITTINGS ETC. THE FOLL FOREIGN AND TAPED AT ALL JOINTS AND AROUND PLUMING FITTINGS ETC. THE FILL NOT RESTRAINED SO AS TO CAUSE THE CONTOURS OF THE EXCAVATION, I.E. NOT RESTRAINED SO AS TO CAUSE THE CONTOURS OF THE FILL PROPED 300mm AND TAPED AT ALL JOINTS AND AROUND PLUMING FITTINGS FOR FORMS.

BORED PIER

- THE CONTRACTOR SHALL RECORD THE RELEVANT INFORMATION AS LISTED IN AS2159 CLAUSE 4.1.7 AND SUBMIT IT TO THE SUPERINTENDENT.

 DRILL HOLES TO THE SETS OUT AND DEPTH SHOWN ON THE DRAWINGS IF DRILL HOLES EXTEND THROUGH FILL OR UNSTABLE GROUND PROVIDE TEMPORARY STEEL CASING AS REQUIRED. ANY PERCHED WATER SHALL BE REMOVED BY PUMPING. SOCKET LENGTHS AND BASES SHALL BE CLEANED OF ANY LOOSE MATERIAL. ANY CLAY SMEARING SHALL BE REMOVED TO THE ENGINEERS APPROVAL. WHERE DIRECTED BY THE ENGINEER, THE CONTACTOR IS TO RECOVER A TUBE SAMPLE FROM THE BOTTOM OF THE BORED PIER EXCAVATION FOR INSPECTION AND/OR TESTING. THE CONTRACTOR MAY BE REQUIRED TO EXTEND THE HOLE BORED, BASED ON RESULTS OF THIS INSPECTION OR TESTING.

 PLACE PREFABRICTED REINFORCING CAGE IN THE BORED PIER, ENSURING THE CORRECT ORIENTATION OF THE MAIN VERTICAL BARS AS SHOWN ON THE DRAWINGS. THE REINFORCING CAGE SHALL BE HUNG FREE OF THE BOTTOM OF THE BORED PIER BEFORE CONCRETING TO ENSURE THAT ANY NECESSARY CORRECTION OF ROTATIONAL ALIGNMENT OF THE CAGE TOP IS AUTOMATICALLY ACHIEVED THROUGHOUT ITS

S22.

- LACING CONCRETE. INIMUM CEMENT CONTENT IN PIERS SHALL BE 320kg/m³ LLOWABLE TOLERANCES:

STRUC STEEL WORK

- ATERIALS, WORKMANSHIP, FABRICATION AND ERECTION SHALL COMPLY WITH EQUIREMENTS OF AS4100, AS4600, AS1554 AND THE SPECIFICATION.

 S SHOWN OTHERWISE, ALL STEEL SHALL BE IN ACCORDANCE WITH AS1204

 300. ALL STEEL HOLLOW SECTIONS SHALL BE GRADE 350 U.N.O. AND SHALL ACCORDANCE WITH AS1163. ALL PRESSED METAL PURLINS AND GIRTS SHALL ADE 450 STEEL IN ACCORDANCE WITH AS4600.

 S SHOWN OTHERWISE ON THE DRAWINGS, ALL CONNECTIONS SHALL BE IN DANCE WITH THE FOLLOW MINIMUM REQUIREMENTS:— (I) ALL WELDS SHALL BE ONTINUOUS FILLET WELDS ALL ROUND. (II) ALL BOLTS SHALL BE M20 8.8/S, A MINIMUM OF 2 BOLTS PER CONNECTION. PURLIN BOLTS TO BE M12 4.6/S A MINIMUM OF 2 BOLTS PER CONNECTION. PURLIN BOLTS TO BE M12 4.6/S A MINIMUM OF 2 BOLTS PER PURLIN END. (III) ALL GUSSET AND CLEAT PLATES BE 10mm THICK. (U.N.O.) (IV) ALL CAP PLATES SHALL BE 10mm THICK. (U.N.O.)

BOLT DESIG

- 4.6/S REFERS TO COMMERCIAL BOLTS OF STRENGTH GRADE 4.6 TO AS1111 TIGHTED TO A SNUG TIGHT CONDITION.

 8.8/S REFERS TO HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO AS1252 TIGHTENED TO A SNUG TIGHT CONDITION.

 8.8/TB REFERS TO HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO AS1252 FULLY TENSIONED TO AS4100 AS A BEARING JOINT.

 8.8/TF REFERS TO HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO AS1252 FULLY TENSIONED TO AS4100 AS A FRICTION JOINT.
- IGTH BOLTED JOINTS SHALL BE IN ACCORDANCE WITH AS1511. THE SOLT TENSION SHALL BE OBTAINED BY USE OF THE 'PART TURN' METHOD
- ITENING.

 LDS SHALL BE GP (GENERAL PURPOSE) IN ACCORDANCE WITH AS1554 UNO.
 ICTRODES SHALL BE CLASS E48. ALL BUTT WELDS SHALL BE FULL
 TH COMPLETE PENETRATION WELDS.

 TH COMPLETE PENETRATION WELDS.

 ING STEEL, TIMBER AND OTHER ELEMENTS TO STEEL WHETHER OR NOT
 DON THE DRAWINGS.

 TUTIONS FOR STEEL SECTIONS SHOWN ON DRAWINGS SHALL NOT BE MADE
 SHICATION AND ERECTION OF THE ENGINEER.

 LL REQUIREMENTS OF THE DESIGN ARE SATISFIED. DETAILS OF ERECTION
 CE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO
 CESHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO
 CESHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO
 CEMENT OF ERECTION.

 S AND MULLIONS SHALL HAVE THEIR BASE PLATES FULLY GROUTED IN
 ANCE WITH THE SPECIFICATIONS AFTER PLUMBING AND LEVELING ON STEEL
 S

S12.

S13.

S15.

<u>C17.</u>

- PACKERS.

 PACKERS.

 ALL STEELWORK, EXCEPT THAT WHICH IS TO BE CONCRETE ENCASED, FIRE SRAYED OR CONTACT SURFACES OF FRICTION TYPE JOINTS, SHALL BE SURFACE CLEANED AND PAINTED IN ACCORDANCE WITH THE SPECIFICATION.

 STEELWORK THAT IS CONCRETE ENCASED FIRE SPRAYED OR FACING SURFACES OF FRICTION TYPE JOINTS SHALL BE LEFT UNPAINTED AND FREE FROM SCALE.

 S13. ALL STEELWORK BELOW GROUND OR FINISHED SURFACE LEVEL IS TO BE ENCASED IN TSOM MIN. CONCRETE ALL ROUND.

 S14. CONCRETE ENCASED STRUCTURAL STEELWORK TO BE ENCLOSED BY SLA1 MESH PLACED CLEAR OF STEELWORK, ENCASING TO PRIVIDE SOMM MIN COVER TO STEELWORK U.N.O. ON THE DRAWINGS, COVER TO MESH TO BE 20mm MIN, MAXIMUM AGGREGATE SIZE = 10mm AND CONCRETE F:c = 20MP-D.

 S15. UNLESS SPECIFIED OTHERWISE, STEELWORK SHALL BE PREPARED TO CLASS 2.5 FINISH IN ACCORDANCE WITH A STIEZLY, AND GIVIN TWO (2) COATS OF ZINC PHOSPHATE TO A TOTAL DRY FILM THICKNESS AS PER SPECIFICATIONS.

 S16. IN ADDITION TO THE FINISH SPECIFIED, STEELWORK IN CONTACT WITH THE GROUND IS TO BE COATED WITH A COAL TAR EPOXY TO A MINIMUM THICKNESS OF 0.4mm.

 S17. ALL EXTERNAL STEELWORK IS TO BE GALVANISED.

 S18. ALL CASES OF DAMAGE TO THE SUPERINTENDANT. WITH THE APPROVAL OF THE SUPERINTENDANT, MINOR DAMAGE MAY BE REPLAKED AS FOLLOWS:—MECHANICALLY GRIND SURFACE TO ACHIEVE A SMOOTH AND BRIGHT METAL COMPARIBLE TO CLASS 2.5. APPLY ZINC RICH PRIMER TO A DRY FILM THICKNESS AS PER SPECIFICATION REQUIREMENTS.

 S19. ALL MASONRY TO BE TIED TO ABUTTING STEEL COLUMNS. TIES GENERALLY TO CONSIST OF AR OD CRIMPED AND VELLEY SOMM TO COLUMNS EVERY 400mm AND TIED TO MASONRY WITH 3mm GALVANISED TIES AT 1.400mm MAX. CTRS.

 S20. EXPOSED SHS/RHS COLUMNS TO BE TIED TO ADJACENT MASONRY WITH 38 × 1.6mm FRAME STRAPS POWER FASTENED TO COLUMNS TO CARRY SHEETING AS REQUIRED AT THE WEB AND SHALL NOT EXCEED TOOK MIPS AND VALLEYS. ON EMPS AND VALLEYS. ON EMPS AND SHALL FROM FROM FROM PORLINS SHALL BE ATTACHED NOT AND SIMPLE AND SHALL NOT EXCEED TOOK AND FIRE PROTECTION REQUIRES SHALL NOT BE HOLED.

 S21. REPOXED TO ARROW THE ADDS FIX MITH ONE
- TO COMMEN

SUSPE

- G TO MANUFACTURES RECOMMENDATION E TO BE MIN f'c 32MPa
 ON BY ENGINEER PRIOR TO POURING OI O FULL NOTES FOR MORE DETAIL G TO BE DESIGNED BY ENGINEER S (DESIGNED BY ENGINEER)
- PROPPIN 90×35 S HEIGH NG NOTES: STUDS @ (TUDS @ 600 CTRS WALL NOGGING'S.

REINFORCED CONCRETE

- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE COURDENTS. READYMIX CONCRETE SUPPLY SHALL COMPLY WITH AS1379 CONCRETE QUALITY SHALL COMPLY WITH ALL THE REQUIREMENTS OF TONCRETE SPECIFICATION DOCUMENTS 1 (LATEST EDITION) AND SHALL A FORMWORK, REINFORCEMENT AND CONCRETE UNLESS NOTED OTHERWISE. CONTROL TESTING SHALL BE DONE IN ACCORDANCE WITH AS1379, CLAUSTING CONTROL TESTING SHALL BE DONE IN ACCORDANCE WITH AS1379, CLAUSTING SHALL BE DONE IN ACCORDANCE WITH AS1379, CLAUSTING SHALL BE DONE IN ACCORDANCE WITH AS1379, CLAUSTING SHALL BE DONE IN ACCORDANCE WITH AS1379. THE ACSE
 APPLY TO
 SE. PROJECT
- SUSPENDED SLAB 100 8 80 20 20 23 EXPOSURE CLASSIF'N **A**2 ≥ | 04 25 50 COVER U.N.O. SIDES 50
- NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING.
 ALL FORMWORK TO COMPLY WITH AS1509.
 CONCRETE SIZES DO NOT INCLUDE THICKNESS' OF APPLIED FINISHES.
 DEPTH OF BEAMS ARE GIVEN FIRST AND INCLUDE SLAB THICKNESS, SLABS AND
 BEAMS SHALL BE CAST TOGETHER UNLESS NOTED OTHERWISE.
 NO HOLES, CHASES OR EMBEDMENTS OTHER THAN THOSE SHOWN ON THE DRAWINGS
 SHALL BE MADE IN CONCRETE ELEMENTS WITHOUT THE PROJECT ENGINEERS

- APPROVAL.

 38. ALL CONCRETE SHALL BE MECHANICALLY VIBRATED. VIBRATORS SHALL NOT BE USED TO SPREAD CONCRETE.

 39. CONSTRUCTION JOINTS SHALL BE LOCATED TO THE SATISFACTION OF THE PROJECT ENGINEER. THE BUILDER SHALL ALLOW FOR NECESSARY CONSTRUCTION JOINTS.

 30. CONCRETE SHALL BE KEPT FREE OF SUPPORTING MASONRY WITH 2 LAYERS OF SUITABLE MEMBRANE (MALTHOID OR EQUAL). VERTICAL FACES SHALL BE SEPARATED BY 12mm BITUMINOUS CANEITE.

 31. CONDUITS AND PIPES WHEN CAST IN SLABS OR WALLS TO BE PLACED BETWEEN THE REINFORCEMENT LAYERS. WHERE THERE IS ONLY ONE LAYER OF REINFORCEMENT, PROVIDE 50MM COVER TO CONDUIT.

 31. CONCRETE MIX DESIGN AND CURING SHALL BE IN ACCORDANCE WITH THE PROJECT STRUCTURAL ENGINEERS SPECIFICATION. ALL CONCRETE SUPPLIED SHALL HAVE A SLUMP OF 80mm AND A MAXIMUM AGGREGATE SIZE OF 20mm UNLESS NOTED OTHERWISE. AL CONCRETE ELEMENTS, GRADE S32 MINIMUM, SHALL MEET THE FOLLOWING MENTS:

25.

- MINIMUM PORTLAND CEMENT CONTENT 330 kg/m³
 MAXIMUM WATER/CEMENT RATIO 0.5, SHRINKAGE LIMT 680 MICRO-STRAIN AFTER 56 DAYS, AND CHLORIDE CONTENT RESTRICTED AS PER CLAUSE 4.9 OF AS3600.

 NO OTHER SALT TO BE ADDED.

 C14. PROVIDE UPWARD CAMBER TO FORMWORK OF REINFORCED CONCRETE CANTILEVERS OF 5mm PER 1000 OF THE PROJECTION BEYOND COLUMN OR WALL FACE, AND TO FORMWORK OF SLABS WHERE NOTED ON PLANS. MAINTAIN SLAB AND BEAM DEPTHS AS SHOWN. PROVIDE 0mm PRECAMBER TO POST TENSIONED SLABS U.N.O. ON PLANS. AS SHOWN. PROVIDE 0mm PRECAMBER TO POST TENSIONED SLABS U.N.O. ON PLANS. THE FINISHED CONCRETE SHALL BE A DENSE HOMOGENEOUS MASS, COMPLETELY FILLING THE FORMWORK THROUGHLY EMBEDDING THE REINFORCEMENT AND PREE OF STONE POCKETS. ALL CONCRETE INCLUDING SLABS ON GROUND AND FOOTINGS SHALL BE COMPACTED WITH MECHANICAL VIBRATORS.

 C16. SLABS AND BEAMS SHALL BE CONSTRUCTED TO BEAR ONLY ON THE BEAMS, COLUMNS, WALLS etc. AS SHOWN ON THE DRAWINGS. ALL OTHER BUILDING ELEMENTS SHALL BE KEPT TSmm MIN. CLEAR FROM SOFFITS OF STRUCTURE.

 C17. 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. APPROVED SPRAYED ON CURING COMPOUNDS THAT COMPLY WITH AS3799 BE USED WHERE FLOOR FINISHES WILL NOT BE AFFECTED. REFER MANUFACTURERS SPECIFICATION). POLYTHENE SHEETING OR WET HESSIAN MAY BE USED TO RETAIN MOISTURE WHERE PROTECTED FROM WIND AND TRAFFIC.

 C18. CONSTRUCTION SUPPORT PROPPING IS LEFT IN PLACE WHERE FLOOR FINISHES WILL NOT BE TRAFFICKED LEVELS UNTIL ALL PROPPING IS REMOVED AND THE SLAB HAS ABSORBED ITS DEAD LOAD DEFLECTION. C19. THE MAXIMUM PERMISSIBLE TEMPERATURE OF ANY CONCRETE MIX AT POINT OF PLACEMENT SHALL BE 30 DEGREES CENTIGRADE.

 C21. EXPOSED CORNERS TO BE CHAMFERED TSMM ACROSS. U.N.O.

 C22. EXCLAST HAN 48 HOMES OND SHALL NOT BE LOADED.

 C23. ACCURATELY FORM (CLASS 3 TO AS1510) THE EDGES OF ALL SLABS, REBATES AND AS1510.
- FOR SURFACE FINISH, REFER TO ARCHITECTURAL SPECIFICATION. SERVICE PENETRATIONS SHALL HAVE FLEXIBLE CONNECTIONS WHERE THEY ENTER THE BUILDING AND SHALL NOT PASS THROUGH THE TOP OR BOTTOM THIRD OF THE DEPTH OF EDGE BEAMS, INTERNAL BEAMS AND STRIP FOOTINGS.

 JOINTS TO BE MAINTAINED ON A REGULAR BASIS. MAX ANTICIPATED LIFE OF JOINT MATERIAL IS 10 YEARS.

- I. ANCHORS GENERALL, STALL BE GALVANISED AS FOLLOWS:2. UND ALL METAL PARTS SHALL BE GALVANISED AS FOLLOWS:5 MICRONS MINIMUM FOR INTERNAL ANCHORS, 60 MICRONS MINIMUM FOR EXTERNAL ANCHORS, WHERE NOTED ON DRAWINGS AS STAINLESS STEEL, ANCHORS TO BE
 TRUEBOLT, OR EQUIVALENT. THE ANCHOR SHALL BE GRADE 316 STAINLESS, NUTS
 AND WASHERS SHALL BE AT LEAST 302 OR 304 GRADE STAINLESS STEEL.
 AND WASHERS SHALL BE AS BELOW UNO.

NEW DESIGN PRELIMINARY
PRELIMINARY
PRELIMINARY

N S S S S S A A A

AMENDMENTS
28/05/2025 BY: SHANE

				'n
	SINGLY IN 25 MPa CONCRETE:-	LOADS, USING A SAFETY FACTOR OF 3, WHEN INSTALLED	DRAWINGS, OTHERWISE ANCHORS USED SHALL HAVE THE FOLLOWING MINIMUM SAI	45. WHERE ANCHORS OF A SPECIFIC TYPE ARE REQUIRED THEY ARE SHOWN ON THE
₹ 13		WHEN	HALL	Æ RE
M10 M16 M20 M24		INSTAI	HAVE	URED
<u>3</u>		ED	TH F	JHI
™ 2			MOTTO	ARE :
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			ΑS	m

21 20 120

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30 26 170

REINFORCEMENT

REINFORCEMENT IS REPRESENTED DIAGRA
IN TRUE PROJECTION.
SPLICES IN REINFORCEMENT SHALL BE M.
WRITTEN APPROVAL OF THE ENGINEER S
SPLICES. WHERE THE LAP LENGTH IS NO
DEVELOP THE FULL STRENGTH OF THE R BE MADE ONLY IN THE POSITIONS SHOWN. THE IEER SHALL BE OBTAINED FOR ANY OTHER IS NOT SHOWN IT SHALL BE SUFFICIENT TO THE REINFORCEMENT. AND NOT NECESSARILY

BAR	VERTICAL BARS	HORIZONTAL BARS	. BARS	90°, 135° OR 180° COG
AND SIZE		> 300mm OF CONC. BELOW BAR	OTHER LOCATIONS	LENGTH
N12	054	500	300	210
N16	700	800	500	250
N20	0001	1150	750	00£
N24	1200	1350	850	09£

OTES FOR TABLE:- LAP LENGTHS IND	N36	N32	N28
'ABLE:-	1700	1550	1400
)TES FOR TABLE:- LAP LENGTHS INDICATED ARE BASED ON A MINIMUM CONCRETE STRENGTH OF	1950	1750	1600
INIMUM CONCRET	1200	1100	1000
E STRENGTH OF	530	470	410

IALL BE 150mm UNO.

FART OF BEND.

FEFERED TO THE ENGINEER.

MITTED UNLESS SHOWN ON THE

TING BY THE CONSULTING ENGINEER.

THIN THE CONCRETE COVER TO

HE SUPERINTENDENT. T TO BE LESS THAN THE DIAMETER IICHEVER IS THE GREATER.

- MPa YIELD STRENGTH D BARS, 230 MPa YIELD
- INFORCEMENT NOTATIONS:

 DENOTES HOT ROLLED DEFORMED BARS, 500 MP
 DENOTES STRUCTURAL GRADE PLAIN ROUND B
 STRENGTH.

 ALL REINFORCING BARS TO AS4671

 DENOTES HARD-DRAWN WIRE REINFORCING FABR
 STRENGTH, TO AS1304. 450 MPa YIELD
- TYPICAL REINFORCEMENT NOTATION: 23N24-200-2
 23........ DENOTES NUMBER OF BARS REQUIRED
 N...... DENOTES GRADE OF REINFORCEMENT
 24...... DENOTES BAR DIAMETER IN MILLIMETRES
 -200...... DENOTES BAR SPACINGS IN MILLIMETRES
 -2..... DENOTES LAYER IN WHICH REINFORCEMENT IS IS LAND
- ALL REINFORCMENT FABRIC SHALL COMPLY WITH AS SUPPLIED IN FLAT SHEETS. FABRIC REINFORCEMENT SUPPORTED ON CHAIRS AND LAPPED AS FOLLOWS:-51303 AND AS1304 AND BE TO SLABS ON GROUND SHALL BE

- NGINEER. THE ENGINEER SHALL BE GIVEN 24 HOURS NOTICE FOR REINFORCEMENT INSPECTION AND CONCRETE SHALL NOT BE DELIVERED UNTIL FINAL APPROVAL HAS BEEN DBTAINED.

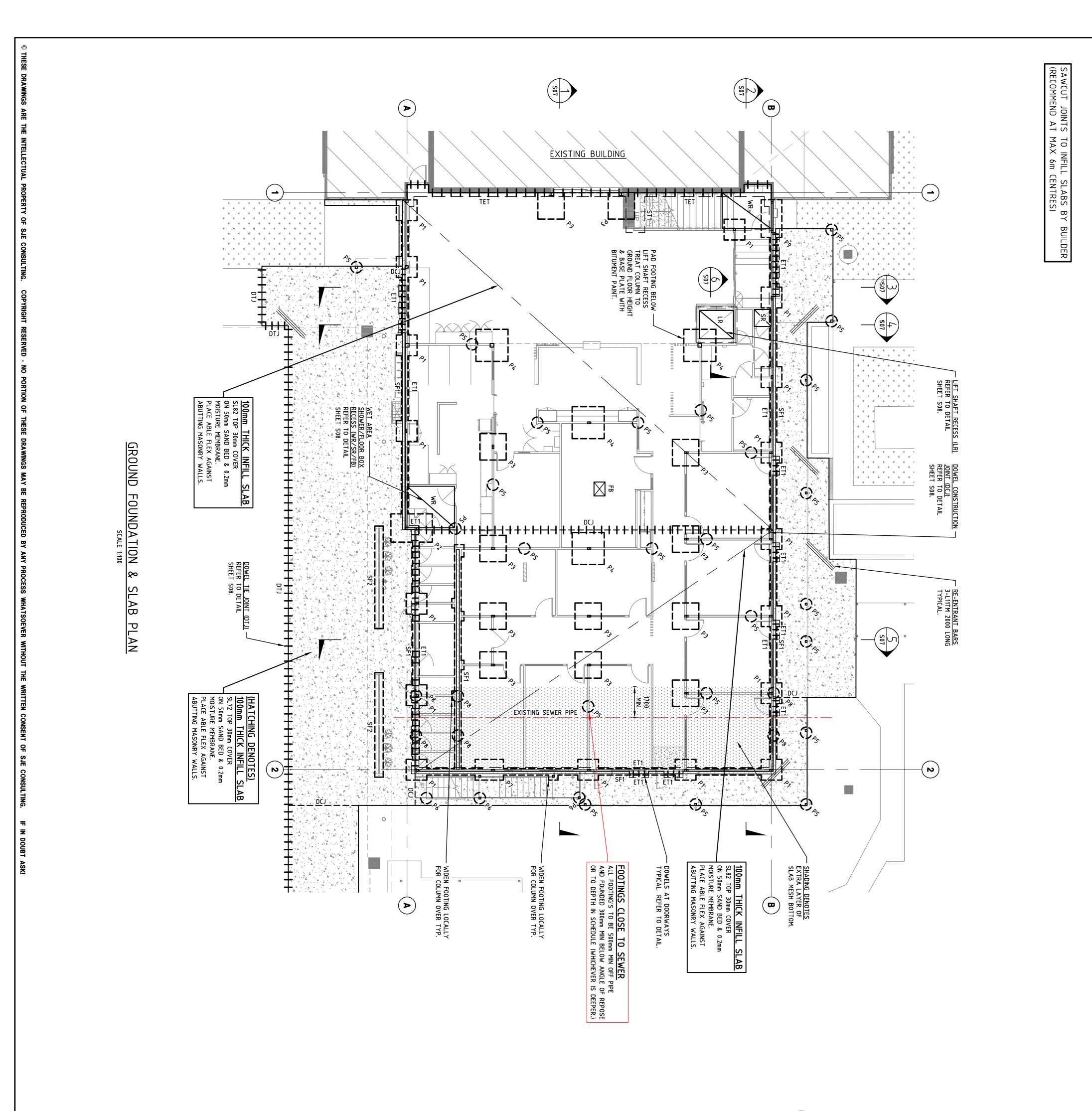
PROJECT REFERENCE: 900084 Consulting Ø

STUDENT SERVICES BUILDING VICTORY LUTHERN COLLEGE AT 28 DRAGE ROAD WODONGA, VIC

391 TOWNSEND STREET ALBURY NSW 2640 PHONE (02) 60217233 FAX (02) 60412579 EMAIL consulting@sje.com.au

DRAWN: S ANDERSON 900084-S01 REVISION A1

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ΤΞΤ SF2 SF1 ST1 **P**4 Ρ3 Ρ2 <u>P</u> 600Ø 350 x DEPTH TO MATCH EXIST. x FOUNDED BELOW ANGLE REPOSE TO SEWER PIPE. SIZE
WIDTH × DEPTH
200 × 200 2200×1500×800 MIN. 2000×2000×800 MIN. 1400×1400×800 MIN. 1100×1100×800 MIN. 1500×1100×800 MIN. 600Ø x800 MIN. 600Ø×800 MIN. 450 × 600 350 × 600 200 DEEP FOOTING 유 N12-200 TOP & BOT. N12-200 TOP & BOT. 3-L12TM TOP & BOT. N12-200 TOP & BOT. N12-200 TOP & BOT. 4-L12TM TOP & BOT. N12-200 TOP & BOT. REINFORCEMENT SL82 MESH BOT. 3-L11TM BOT. MASS CONC MASS CONC. MASS CONC. SCHEDULE SEWER PIER – 500mm MIN. AWAY FROM SEWER PIPE AND 2500mm MAX. BETWEEN PIERS. REFER TO DETAIL S08 EDGE THICKENING TIED TO EXISTING
REFER TO DETAIL PIER FOOTING (AT END OF BRACE'S) THICKENING FOR BASE STRIP FOOTING, EXTERNAL STRIP FOOTING, BUILDING EDGE THICKENING PAD FOOTING PAD FOOTING PAD FOOTING PAD FOOTING PIER FOOTING REMARKS

FOUNDATION MATERIAL TO BE CERTIFIED CONTROLLED FILL OR NATURAL SOILS CONSISTING OF CLAY OR SILTY SANDY CLAY WITH A MINIMUM SAFE BEARING CAPACITY OF 50kPa FOR EDGE BEAMS, 125kPa FOR STRIP/PAD FOOTINGS AND 250 kPa FOR PIERS FOUNDING MATERIAL

BLINDING, IF USED, IS TO BE FOUNDED AS PER FOUNDING MATERIAL NOTES WITH A MIN 125 KPG BEARING U.N.O. BLIND BACK TO UNDERSIDE OF FOOTING WITH 3% CEMENT STABILIZED SAND OR 10 MPG CONCRETE.

SUB-GRADE PREPARATION

EXCAVATE AND REMOVE 300mm TO 1100mm OF EXISTING FILL AND CLEAR AREA OF ALL ORGANIC MATERIAL, ROCK AND EXISTING PAVING.

REPLACE AS CONTROLLED FILL IN ACCORDANCE WITH AS3798 AND TEST TO AS1289 IN 150mm LOOSE THICKENERS AND MOISTURE CONDITIONED TO WITHIN +2% OF OMC AND COMPACT FILL WITH A 10 TONNE SHEEPS FOOT ROLLER OR EQUIVALENT WITH A MINIMUM OF 4 PASSES TO ACHIEVE 98%SDD. REMOVE ANY SOFT SPOTS AND REPLACE WITH CLEAN GRANULAR MATERIAL.

COMPACT SURFACE BY PROOF ROLLING PRIOR TO PREPARING BASE FOR SLAB. RECOMMEND INSPECTION BY A QUALIFIED ENGINEER.

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Consulting	PROJECT REFERENCE: 900084	Т:	PRINTED: 28/05/2025 BY: SHANE ANDERSON	AMENDMENTS	PRELIMINARY	PRELIMINARY	NEW DESIGN PRELIMINARY	FOR APPROVAL		
			_	DATE	07/11/24	03/12/24	07/05/25	22/05/25		
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STUDENT SERVICES BUILDING VICTORY LUTHERN COLLEGE AT 28 DRAGE ROAD WODONGA, VIC DRAWN: S ANDERSON REVISION A1

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REFER TO DETAIL SHEET S10 **>** EXISTING BUILDING S L1 SCHOW MB6 7 MEZZANINE BR1_ SLAB 2 BR1 ROOF FRAMING PLAN Ć (70/o) Ç Color Ç BW1 (UNDER) Colonia (N) FP1 ᢅᢙ IF IN DOUBT ASK! 155mm THICK BONDEK SLAB
SL82 TOP 30mm COVER ON 1.0 BMT.
OR KINGFLOR RF55 1.0 BMT.
MAX SPAN 5.1m.
2 ROWS OF PROPPING.
BONDEK GALVANISED EDGE
BY MANUFACTURER. 4-N16 BOTTOM, UNDER INTERNAL (C10) COLUMN'S OVER.
 2 BARS PER TRAY BOTTOM, 50mm COVER. 140 REINFORCED BLOCKWALL (BW1)
TIED TO SLAB. (REFER TO DETAIL S08) **> B** NOTE: ALL EXTERNAL STEEL 0 T ΒE

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В	BONDEK SLAB TOP REINFORCEMENT	3 TOP REIN	FORCEMENT
MARK	SIZE	LENGTH (mm)	SPACING
N ₁	N12	CONT.	800 CTRS
N2	N16	3000	400 CTRS
N3	N16	2000	200 CTRS

			MEMBER :	SCHEDULE
	MARK	SIZE	MAX SPAN	REMARKS
	(1	200x5 SHS	•	COLUMNS GND TO MEZZANINE
	C2	2/89x5 SHS		COLUMNS GND TO MEZZANINE (STITCH WELD HIT 100 MISS 200)
	ß	2/89x5 SHS	-	COLUMNS GND TO MEZZANINE (STITCH WELD HIT 100 MISS 200)
	۲)	89x5 SHS		COLUMNS GND TO MEZZANINE
	53	150 UC 23		COLUMNS GND TO MEZZANINE
	9)	125x4 SHS		COLUMNS COVERED ENTRY
	C7	100x3 SHS		COLUMNS COVERED ENTRY
	8)	100×3 SHS		COLUMNS VERANDAH
	6)	100x3 SHS	ı	COLUMNS EXTERNAL STAIR
	C10	89x5 SHS		COLUMNS MEZZ TO ROOF
REVD	C11	150×5 SHS		COLUMNS GND TO ROOF
	SC1	125×4 SHS		STUB COLUMN (L1) TO ROOF
REVD	SC2	150 UC 23	1	STUB COLUMN (L1) TO ROOF
	EC1	APPROX. 200 CHS	1	EXISTING COLUMN
	MB1	360 UB 45	6.7m	FLOOR BEAM MEZZANINE
	MB2	380 PFC	5.2m	FLOOR BEAM MEZZANINE + N12-1000 × 500 LG HOOK BARS
	MB3	380 PFC	5.1m	FLOOR BEAM MEZZANINE
	MB4-MB5	250 PFC	4.5m	FLOOR BEAM MEZZANINE + N12-1000 × 500 LG HOOK BARS
	MB6	610 UB 101	11.0m	FLOOR BEAM MEZZANINE + N12-1000 × 500 LG HOOK BARS
	MB7	180 PFC + STEEL PACKER	-	CANTILEVER SLAB EDGE BEAM + N12-1000 × 500 LG HOOK BARS
	L1	200 UB 25	3.6m	LINTEL BEAM (SC1) OVER
	L2	150×100×4 RHS —	4.1m	LINTEL/WIND BEAM
REVD	VR1	2/C20015	1.7m	RAFTER BEAM VERANDAH
REVD	VR2	2/C20015	3.2m	RAFTER BEAM COVERED ENTRY
	VR3	150×50×3 RHS	3.5m	RAFTER BEAM COVERED ENTRY
	VB1	150×50×3 RHS	2.6m	ROOF BEAM COVERED ENTRY, FIXED TO EXISTING COLUMN (EC1)
	SS1	200 PFC	3.1m	EXTERNAL STAIR STRINGER BEAM
REVD	SB1	200 PFC	1.2m	EXTERNAL STAIR BEAM, FIXED TO STUDS @ 600 MAX CTRS, 2-M12 BOLTS
	SA1	100×10 EA	1.2m	EXTERNAL STAIR LANDING ANGLE
	WP1	150×50×3 RHS		WALING PLATE COVERED ENTRY, 6CFW TO (C1 & C5)
REVD	FP1	C20019 OR EQUIV.	3.3m	FASCIA PURLIN VERANDAH
REVD	FP2	C20019 OR EQUIV.	2.5m	FASCIA PURLIN COVERED ENTRY
	FP3	150×50×3 RHS	4.7m	FASCIA PURLIN COVERED ENTRY
REVD	RP1	C20015 + BRIDGING AS SHOWN	5.9m	ROOF PURLINS @ 900 END 1200 INTERNAL CTRS
REVD	RP2	C20015 + BRIDGING AS SHOWN	5.0m	ROOF PURLINS @ 900 END 1200 INTERNAL CTRS
	RP3	C15015	2.6m	ROOF PURLINS COVERED ENTRY @ 900 END 1200 INTERNAL CTRS
	RBR1	32×1.2 GI STRAP	1	ROOF BRACING

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STUDENT SERVICES BUILDING VICTORY LUTHERN COLLEGE AT 28 DRAGE ROAD WODONGA, VIC

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SHEET: 3 OF 10

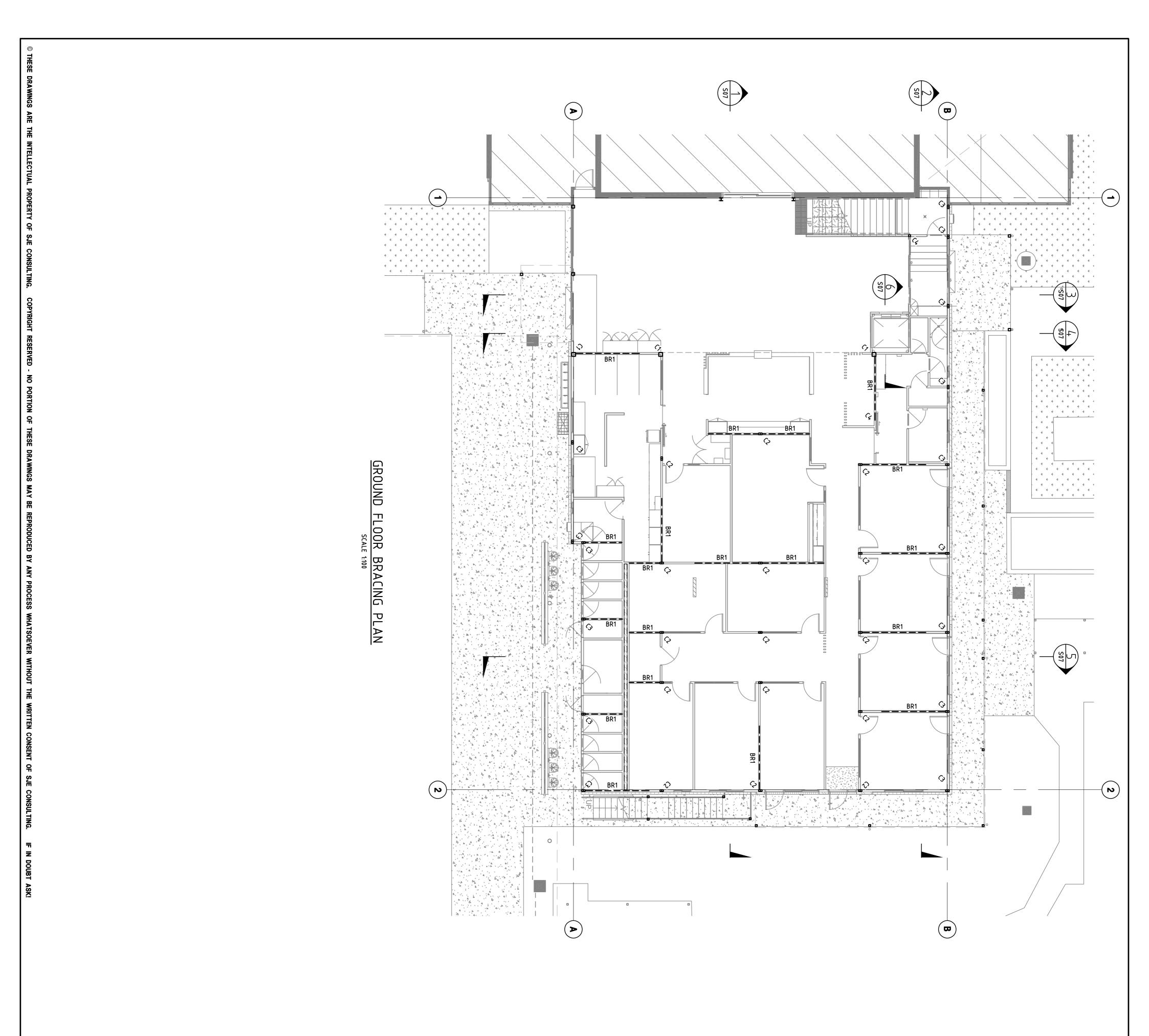
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GN: MARK

DRAWN: S ANDERSON

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WALL BRACING NOTE: ALL WALLS TO HAVE 32×1.2 GI STRAP CROSS BRACE @ EVERY 7m MAX OR PLY BRACE FULL WALL TYPICAL.

		MEMBER	MEMBER SCHEDULE
1ARK	SIZE	MAX SPAN	REMARKS
C	200×5 SHS	ı	COLUMNS GND TO MEZZANINE
(2	2/89x5 SHS		COLUMNS GND TO MEZZANINE (STITCH WELD HIT 100 MISS 200)
G	2/89x5 SHS	-	COLUMNS GND TO MEZZANINE (STITCH WELD HIT 100 MISS 200)
C4	89x5 SHS	-	COLUMNS GND TO MEZZANINE
BR1	89x5.0 SHS	-	STEEL FLOOR FRAME BRACE INSIDE WALL

SHEET: 4 OF 10 900084-S04	CHECKED: DRAWING NO.	DESIGN: MARK WALLACE DRAWN: S ANDERSON	AT 28 DRAGE ROAD WODONGA, VIC	STUDENT SERVICES BUILDING VICTORY LUTHERN COLLEGE	391 TOWNSEND STREET ALBURY NSW 26 PHONE (02) 60217233 FAX (02) 60412579 EMAIL consulting@sje.com.au	Consulting		PROJECT REFERENCE: 900084	CLIENT:	PRINTED: 28/05/2025 BY: SHANE ANDERSON	REV. AMENDMENTS	Н	PRELIMINARY	D FOR APPROVAL C NEW DESIGN PRELIMINARY	
04	RE	ON		BUILDING COLLEGE	2640 579	ing.	П			N	DATE		12/3	22/05/25	
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 \bigcirc RB5 RB5 FL00R FRAMING PLAN DR DR DR DR RB5 RB5 RB5 RB5 N OR1 FP4 FP4

REVD	MARK C5 C10 C11 SC1	SIZE 150 UC 23 89×5 SHS 150×5 SHS 125×4 SHS	MEMBER SCHEDULE	
REVD	SC1 SC2 SC3	125x4 SHS 150 UC 23 89x3.5 SHS	1 1 1	
REVD	RB1 RB2	89x3.5 SHS 410UB60 35mm CAMBER OR 530UB82 10mm CAMBER 300 PFC	7.8m	
	RB3	250 UB 24	8.0m	ROOF INTERNAL BEAM, STIFFENER PLATE'S REQUIRED AT EVERY SECOND (R1) DETAIL SHEET S09.
REVD	RB4	250 PFC	2.2m	
	RB5	200 PFC	7.5m	
REVD	R1	C25019 + CEILING BATTENS	6.2₪	RAFTERS @ 900 MAX CTR
REVD	R2	C25019	7.7m	
REVD	DR	2/C25019	6.2m	
	ГЗ	150×100×4 RHS	4.1m	
REVD	FP4	C25019	0.9⋒	
REVD	OR1	C25019 x 2000 LONG	0.9m	
REVD	RBR2		-	

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I: 5 OF 10	KED:	DESIGN: MARK WALLACE	WODONGA, VIC	SIUDENI SERVICES VICTORY LUTHERN C AT 28 DRAGE ROAD	391 TOWNSEND STREET PHONE (02) 60217233 EMAIL consult				PROJECT REFERENCE: S	Π:	: 28/05/2025	AMENDMENTS	PRELIMINARY	NEW DESIGN PRELIMINARY	APPROV.	
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