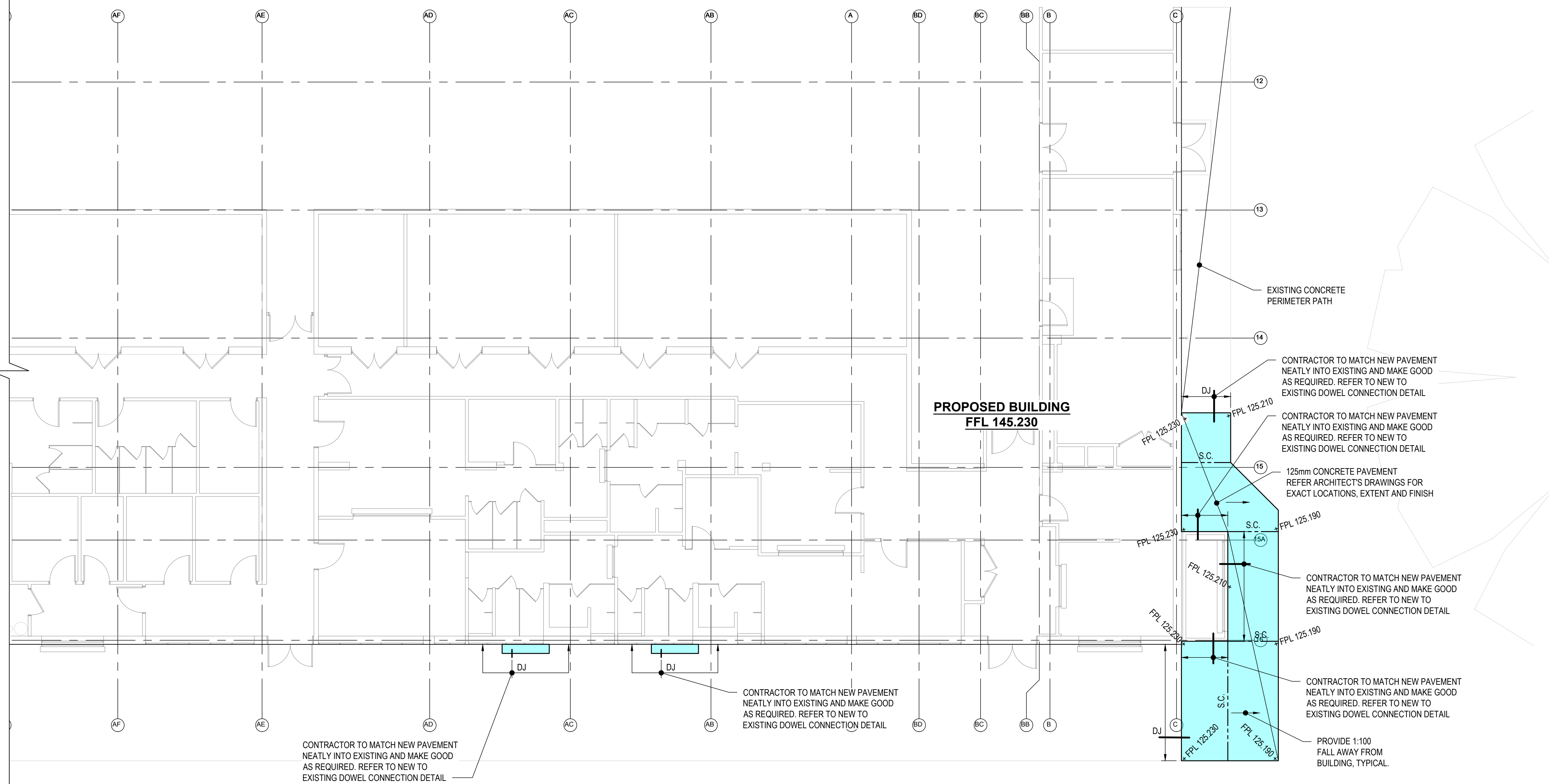


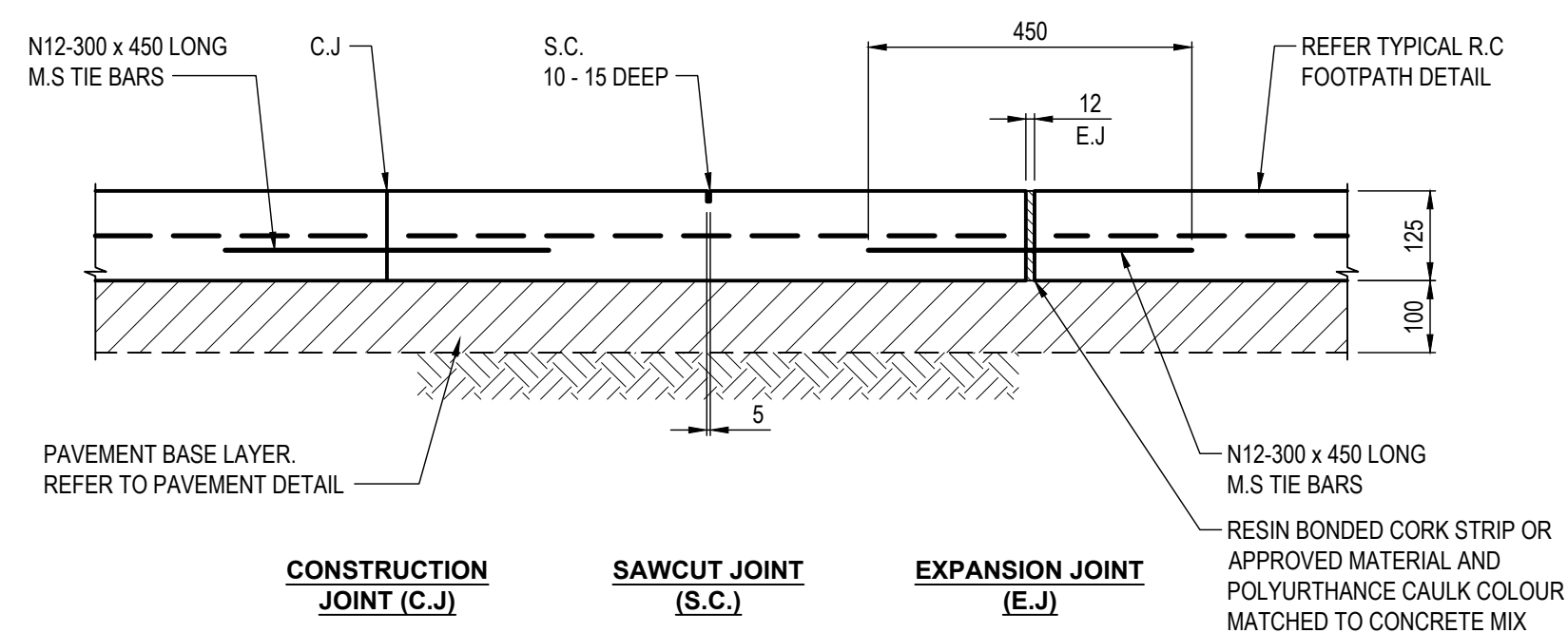
LEGEND

	125mm CONCRETE PAVEMENT REFER ARCHITECT'S DRAWINGS FOR EXACT LOCATIONS, EXTENT AND FINISH
	DOWEL JOINT - REFER DETAIL
	SAWCUT JOINT - REFER DETAIL
	FINISHED PAVEMENT LEVEL



CIVIL PAVEMENT PLAN

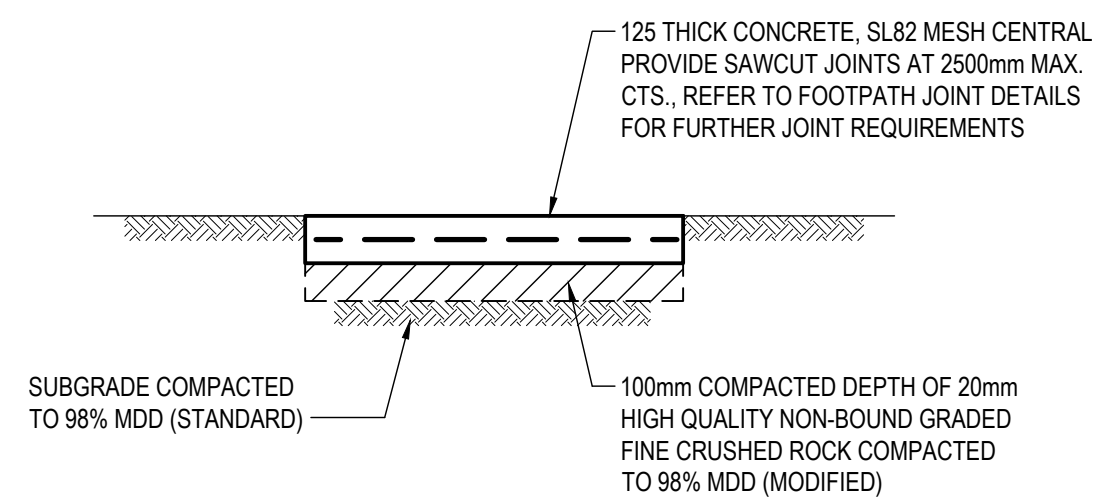
SCALE 1:100



CONCRETE FOOTPATH PAVING JOINT DETAILS

SCALE 1:10

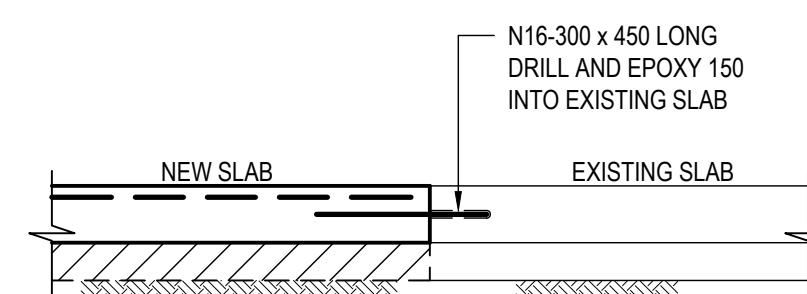
NOTE: THESE JOINTING DETAILS ARE ONLY APPLICABLE TO COUNCIL FOOTPATHS TO THE EXTERNAL OF THE FACILITY ALONG THE MAIN STREET FRONTAGES. ALL OTHER PAVING SHALL ADOPT THE FEATURE CONCRETE PAVING TYPICAL SAWCUT JOINT AND CONSTRUCTION JOINT DETAILS UNLESS APPROVED OTHERWISE



TYPICAL 125mm THICK CONCRETE FOOTPATH PAVEMENT DETAIL

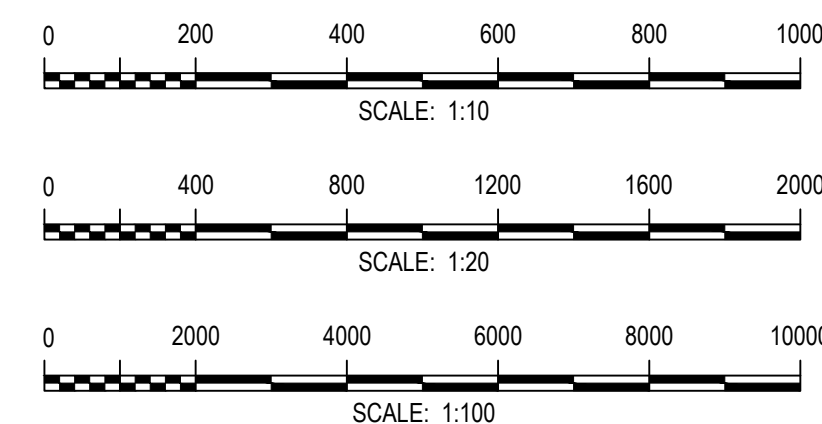
SCALE 1:20

NOTE: S.C. INDICATES SLAB SAWCUT JOINT, REFER DETAILS.



TYPICAL NEW TO EXISTING SLAB DOWEL JOINT 'D.J.' DETAIL

SCALE 1:20



REV	DATE	REVISION DESCRIPTION	DRAWN	CHECKED	APPROVED
T2	25/06/26	TENDER ISSUE			
T1	26/05/26	TENDER ISSUE			
A	10/04/26	PRELIMINARY ISSUE			



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PROJECT
WANGARATTA AQUATIC CENTRE CIVIL PAVEMENT DESIGN
41 SCHILLING DRIVE, WANGARATTA, Vic. 3677

DRAWING TITLE
CIVIL PAVEMENT DESIGN AND DETAILS

SCALE AT A1	DRAWN	DESIGNED
N/A	J.B.	J.S.
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
J.S.	J.S.	18/02/2026

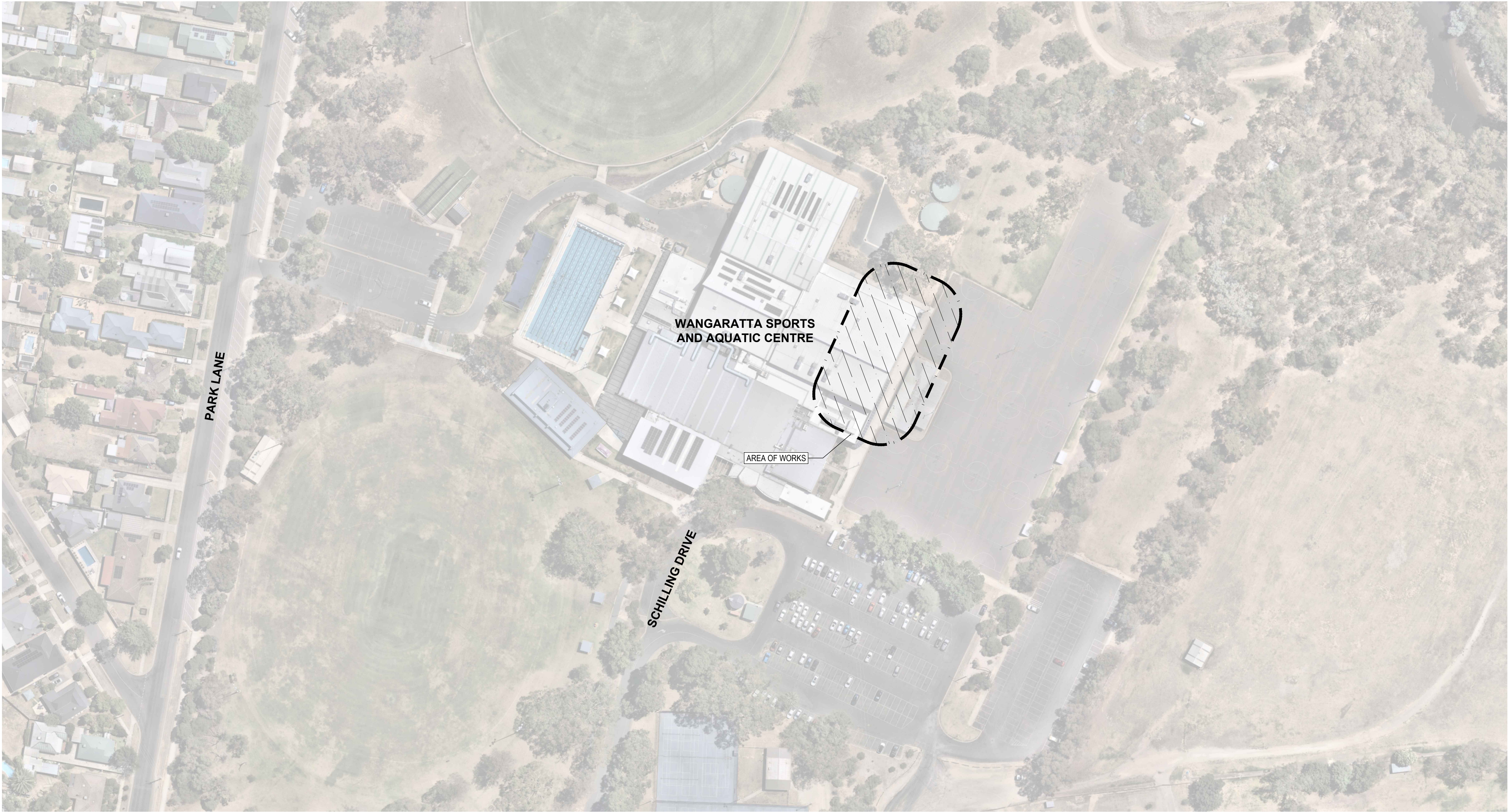
STATUS

**ISSUED FOR TENDER
NOT FOR CONSTRUCTION**

PROJECT No.	DRAWING No.	REVISION
230280	C01	T2

PROPOSED STRUCTURAL WORKS TO WANGARATTA AQUATIC CENTRE

STRUCTURAL DRAWINGS



LOCALITY PLAN
SCALE NTS

DRAWING INDEX:

STRUCTURAL DRAWINGS			
S01	COVER SHEET AND DRAWING INDEX		
S02	GENERAL NOTES SHEET 1		
S03	GENERAL NOTES SHEET 2		
S04	GROUND FLOOR FOOTING PLAN		
S05	FIRST FLOOR SLAB PLAN		
S06	TYPICAL FOOTING DETAILS		
S07	TYPICAL FRAMING DETAILS		
S08	ELEVATIONS		
CIVIL DRAWINGS			
C01	CIVIL PAVEMENT DESIGN AND DETAILS		

T3	25/06/26	TENDER ISSUE		JB	APS
T2	26/05/26	TENDER ISSUE		JB	APS
T1	12/05/26	TENDER ISSUE		JB	APS
T0	07/04/26	TENDER ISSUE		JB	APS
B	01/04/26	PRELIMINARY ISSUE		JB	APS
A	18/02/26	PRELIMINARY ISSUE		JB	APS
REV	DATE	REVISION DESCRIPTION		DRAWN	CHECKED
				APPROVED	

CLIENT					
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PROJECT
WANGARATTA AQUATIC CENTRE STRUCTURAL DESIGN
41 SCHILLING DRIVE, WANGARATTA, Vic. 3677

DRAWING TITLE
COVER SHEET

SCALE AT A1	DRAWN	DESIGNED
N/A	J.B.	J.S.
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
J.S.	J.S.	18/02/2026

STATUS		
ISSUED FOR TENDER NOT FOR CONSTRUCTION		

PROJECT No.	DRAWING No.	REVISION
230280	S01	T3

GENERAL NOTES

GENERAL NOTES

- THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ARCHITECT'S AND OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS AND SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT.
- G2. IF IN DOUBT, VERIFY WITH THE RELEVANT PARTY AS NECESSARY.
- G3. REFER ANY DISCREPANCY, AMBIGUITY, OMISSION OR INCONSISTENCY TO THE CONTRACT ADMINISTRATOR BEFORE PROCEEDING WITH THE WORK.
- G4. DO NOT OBTAIN DIMENSIONS BY SCALING THE STRUCTURAL ELEMENTS.
- G5. VERIFY ALL SETTING OUT DIMENSIONS WITH THE CONTRACT ADMINISTRATOR.
- G6. SETTING OUT DIMENSIONS SHALL BE VERIFIED ON SITE BY THE CONTRACTOR PRIOR TO CONSTRUCTION/FABRICATION, WHO SHALL BE RESPONSIBLE FOR THEIR CORRECTNESS.
- G7. MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE BUILDING CODE OF AUSTRALIA (BCA), THE APPROPRIATE AUSTRALIAN STANDARDS, THE BY-LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITIES EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
- G8. DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METRES UNLESS NOTED OTHERWISE.
- G9. WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH ALL WORKCOVER REQUIREMENTS AND THE WORK HEALTH AND SAFETY ACT AND THE WORK HEALTH AND SAFETY REGULATION.
- G10. CONSTRUCTION SHALL NOT COMMENCE UNTIL THE RELEVANT CONSTRUCTION CERTIFICATE IS ISSUED BY THE PRINCIPAL CERTIFYING AUTHORITY.
- G11. SERVICES SHOWN ON DRAWINGS ARE INDICATIVE ONLY. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION WORKS, THE CONTRACTOR IS TO IDENTIFY ALL EXISTING SERVICES, ANY DAMAGES TO THE EXISTING SERVICES ARE TO BE RECTIFIED AT THE CONTRACTOR'S EXPENSE.
- G12. DURING CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE STRUCTURES AND EXCAVATIONS ARE MAINTAINED IN A SAFE AND STABLE CONDITION AT ALL TIMES AND NO PART IS TO BE OVERSTRESSED. THE CONTRACTOR SHALL DEVELOP WORK METHOD STATEMENTS FOR ALL ERECTION OF STRUCTURAL STEEL/FORMWORK/DEMOLITION/EXCAVATION/ILT PANELS ETC. AND PROVIDE TEMPORARY WORKS SUCH AS BRACING, PROPPING AND SHORING ETC. TO KEEP THE WORKS AND EXCAVATIONS STABLE AND FREE FROM WATER AT ALL TIMES. ALL TEMPORARY PROPPING AND BRACING NECESSARY, INCLUDING ANY TEMPORARY SUPPORT FOR EXCAVATION, SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- G13. THE CONTRACTOR SHALL ENGAGE A QUALIFIED STRUCTURAL ENGINEER WHO IS A REGISTERED BUILDING PRACTITIONER WITH EXPERIENCE IN TEMPORARY WORKS TO DESIGN AND REVIEW ALL CONSTRUCTION PROCEDURES AND TO PROVIDE TEMPORARY WORKS DETAILS AS REQUIRED TO ENSURE THE STRUCTURE IS MAINTAINED IN A STABLE CONDITION AT ALL TIMES DURING CONSTRUCTION. THE ENGINEER IS TO PROVIDE CERTIFIED COMPUTATION, CERTIFICATE OF COMPLIANCE - DESIGN AND CERTIFICATE OF COMPLIANCE - INSPECTION FOR THE SAME. THE COST OF ALL TEMPORARY WORKS AND TEMPORARY WORKS DESIGN SHALL BE INCLUDED IN THE TENDERER'S PRICE.
- G14. REDUCED LEVELS AND GRID DIMENSIONS SHOWN IN THESE DRAWINGS ARE APPROXIMATE ONLY AND ARE FOR THE SOLE PURPOSE OF ASSISTING THE STRUCTURAL DOCUMENTATION. THEY MUST NOT BE USED FOR CONSTRUCTION. REFER TO ARCHITECT'S DRAWINGS FOR ALL CONSTRUCTION REDUCED LEVELS.
- G15. ALL PROPRIETARY PRODUCTS ARE TO BE INSTALLED STRICTLY IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS UNLESS NOTED OTHERWISE.
- G16. ALL DISTURBED AREAS NOT SUBJECTED TO NEW WORKS SHALL BE REINSTATE TO THEIR EXISTING CONDITION BY THE CONTRACTOR AT THE COMPLETION OF WORKS TO THE SATISFACTION OF THE RESPONSIBLE AUTHORITY.
- G17. ALL PENETRATIONS THROUGH SLABS AND BEAMS SHALL BE APPROVED BY THE CONTRACT ADMINISTRATOR PRIOR TO COMMENCEMENT OF WORK.
- G18. THE DRAWINGS MAY NOT SHOW ALL DETAILS OF FIXTURES, INSERTS, SLEEVES, OPENINGS ETC. REQUIRED BY THE VARIOUS TRADES. ALL SUCH DETAILS, INCLUDING RECESSES AND CHASES, ARE TO BE APPROVED BY THE CONTRACT ADMINISTRATOR BEFORE PROCEEDING WITH THE CONSTRUCTION.
- G19. NON-LOAD BEARING ELEMENTS SHALL BE KEPT CLEAR OF THE STRUCTURAL SOFFIT BY AN ALLOWANCE DETERMINED FROM SPAN/250 OR CANTILEVER/125 BUT NOT LESS THAN 20mm UNLESS NOTED OTHERWISE ON THE DRAWINGS. CONSTRUCTION OF ANY MASONRY WALLS OR OTHER PERMANENT LOADING MUST NOT BE BUILT ON CONCRETE SLABS OR BEAMS UNTIL FORMWORK SUPPORTING SAME HAS BEEN REMOVED. HOWEVER, PROPS AND FORMWORK SHALL NOT BE REMOVED BEFORE THE MINIMUM TIME SPECIFIED. DISTRIBUTE MASONRY ON SLAB ADJACENT TO ITS FINAL POSITION PRIOR TO CONSTRUCTING WALLS. ALL UNREINFORCED MASONRY WALLS ARE TO BE SEPARATED FROM ABUTTING CONCRETE WITH TWO LAYERS OF SUPER ALCOR.
- G20. WHERE STRUCTURAL ELEMENTS ARE DESIGNED AND CERTIFIED BY OTHER PARTIES, THE BUILDER SHALL OBTAIN WRITTEN CERTIFICATION. PRIOR TO PROCEEDING WITH ANY CONSTRUCTION WHICH MAY PREVENT INSPECTION OR REMEDIAL WORKS BEING UNDERTAKEN TO THESE ITEMS.
- G21. THE FOLLOWING DOCUMENTATION SHOWS AND DEPICTS ELEMENTS OF EXISTING STRUCTURE CONTAINED WITHIN THE SITE. THE DESIGN AND DOCUMENTATION CARRIED OUT BY CREO STRUCTURES DOES NOT CERTIFY AND CONFIRM THAT THE ADDITIONAL WORKS, HAS BEEN CARRIED OUT IN ACCORDANCE WITH THE ORIGINAL DESIGN DOCUMENTATION.
- G22. THE STRUCTURE HAS BEEN DESIGNED FOR THE IN-SERVICE LOADS ACTING WHEN THE STRUCTURE IS COMPLETE ONLY. LOADS OR ACTIONS DUE TO CONSTRUCTION AND INSTALLATION METHODOLOGIES AND / OR EQUIPMENT HAVE NOT BEEN CONSIDERED UNLESS CLEARLY STATED OTHERWISE.
- G23. THE APPROVAL OF A SUBSTITUTION SHALL BE SOUGHT FROM THE SUPERINTENDENT BUT IS NOT AN AUTHORISATION FOR A COST VARIATION. ALL COST VARIATIONS INVOLVED MUST BE AGREED WITH THE SUPERINTENDENT BEFORE THE WORKS COMMENCES.
- G24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DELIVERY, FABRICATION, CONSTRUCTION AND ERECTION OF ALL ELEMENTS OF THE STRUCTURE.
- G25. ANY DAMAGED STRUCTURAL MATERIAL SHALL BE REPAIRED OR REPLACED TO THE ENGINEERS SATISFACTION ENSURING THE ORIGINAL DURABILITY STRENGTH AND SERVICEABILITY CHARACTERISTICS ARE MAINTAINED.
- G26. SHOULD ADDITIONAL SERVICES OR CHANGES TO THE STRUCTURAL DOCUMENTATION BE REQUESTED BY THE CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASSOCIATED CONSULTANT FEES AND EXPENSES.
- G27. THE CONTRACTOR SHALL ALLOW FOR THE PREPARATION AND COST OF DETAILED SHOP DRAWINGS. THE CONTRACTOR SHALL CHECK AND COORDINATE THE SHOP DRAWINGS WITH ALL TRADES, OTHER CONSULTANT DOCUMENTS AND SITE CONDITIONS.
- G28. THE STRUCTURAL ENGINEER DOES NOT PROVIDE "AS-BUILT" DRAWINGS FOR THE STRUCTURE THAT REFLECT THE AS-BUILT CONDITIONS AT THE COMPLETION OF CONSTRUCTION. SHOULD THE CONTRACTOR REQUEST ASSISTANCE FROM THE STRUCTURAL ENGINEER FOR PRODUCTION OF "AS-BUILT" DRAWINGS, THEY SHOULD BE RESPONSIBLE FOR ALL ASSOCIATED CONSULTANT FEES AND EXPENSES.
- G29. ALL PROPS AND FORMWORK FOR FLOOR BEAMS AND SLAB SHALL BE REMOVED BEFORE CONSTRUCTION OF ANY MASONRY WALLS OR PARTITIONS ON THE FLOOR.
- G30. THE CONTRACTOR SHALL ENGAGE A GEOTECHNICAL ENGINEER FOR THE PURPOSE OF CERTIFYING THE REQUIRED GROUND CONDITIONS AS NOMINATED IN THE DOCUMENTS.
- G31. PRIOR TO COMMENCING SITE WORKS, THE CONTRACTOR SHALL CONFIRM AND LOCATE ALL EXISTING STRUCTURES, SERVICES AND OTHER ASSETS THAT ME BE AFFECTED BY THE WORKS. THE CONTRACTOR SHALL SEEK DIRECTION FROM THE ENGINEER SHOULD ANY EXISTING STRUCTURES, SERVICES OR ASSETS BE DIFFERENT TO THOSE SHOWN ON THE CONSULTANTS DOCUMENTS.
- G32. THE DESIGN LIFE OF THE WORKS SHALL BE 50 YEARS OR AS OTHERWISE AGREED WITH THE CLIENT. ALL MATERIALS AND WORKMANSHIP PROVIDED BY THE CONTRACTOR SHALL ENSURE THAT THE REQUIRED DESIGN LIFE IS ACHIEVED.

DESIGN DATA NOTES

- | | | |
|-----|--|---|
| D1. | WIND LOADING IN ACCORDANCE WITH AS1170.2 | |
| | - TERRAIN CATEGORY | 3 |
| | - SHIELDING MULTIPLIER (Ms) | 1.0 |
| | - TOPOGRAPHIC MULTIPLIER (MI) | 1.0 |
| | - STRUCTURE IMPORTANCE MULTIPLIER (MI) | 1.0 |
| D2. | REFER TO GENERAL ARRANGEMENT PLANS FOR APPLICABLE LOADING | |
| D3. | EARTHQUAKE LOADS IN ACCORDANCE WITH AS1170.4 | |
| | - SITE SUB-SOIL CLASS | Ce |
| | - HAZARD FACTOR (Z) | 0.08 |
| | - BCA IMPORTANCE LEVEL | 3 |
| | - PROBABILITY FACTOR (Kp) | 1.0 |
| | - EARTHQUAKE DESIGN CATEGORY (EDC) | II |
| D4. | ALL WORKS AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT, RELEVANT SAA CODES AND THE BUILDING CODE OF AUSTRALIA, THE FOLLOWING RELEVANT STANDARDS SHALL BE READ AS PART OF THESE TECHNICAL NOTES AND COPIES SHALL BE KEPT ON SITE WITH THE CONTRACTUAL DOCUMENTS: | |
| | AS 1170.0 - 2002 | STRUCTURAL DESIGN ACTIONS: GENERAL PRINCIPLES |
| | AS 1170.1 - 2002 | STRUCTURAL DESIGN ACTIONS: PERMANENT, IMPOSED AND OTHER ACTIONS |
| | AS 1170.2 - 2021 | STRUCTURAL DESIGN ACTIONS: WIND ACTIONS |
| | AS 1170.4 - 2024 | STRUCTURAL DESIGN ACTIONS: EARTHQUAKE ACTIONS |
| | AS 1657 - 2018 | FIXED PLATFORM, WALKWAYS, STAIRWAYS & LADDERS |
| | AS 1684 - 2010 | RESIDENTIAL TIMBER-FRAMED CONSTRUCTION |
| | AS 1720 - 2010 | TIMBER STRUCTURE |
| | AS 2159 - 2009 | PIILING - DESIGN AND INSTALLATION |
| | AS 2870 - 2011 | RESIDENTIAL SLABS AND FOOTINGS |
| | AS 3600 - 2018 | CONCRETE STRUCTURES |
| | AS 3610 - 2010 | FORMWORK FOR CONCRETE AS 3700 - 2018 MASONRY STRUCTURES |
| | AS 4100 - 2020 | STEEL STRUCTURES |
| | AS 4600 - 2005 | COLD-FORMED STEEL STRUCTURES |
| | NCC 2022 | NATIONAL CONSTRUCTION CODE |

DEMOLITION NOTES

- D0. ALL DEMOLITION WORKS TO BE CARRIED OUT IN ACCORDANCE WITH REQUIREMENTS SET OUT IN AS2601, THE BUILDING REGULATIONS AND THE REQUIREMENTS OF ANY OTHER RELEVANT AUTHORITIES
- D2. THE DEMOLITION CONTRACTORS SHOULD FAMILIARISE THEMSELVES WITH THE EXISTING DRAWINGS PRIOR TO COMMENCING DEMOLITION. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSION/SETOUT INFORMATION.
- D3. THE DEMOLITION CONTRACTOR SHALL ENGAGE AT THEIR EXPENSE A CHARTERED (CPEng) TEMPORARY WORKS ENGINEER TO ADVISE ON THE DEMOLITION WORKS AND VERIFY THAT THEIR PROPOSED WORK METHODS DO NOT PRODUCE LOADINGS THAT OVER STRESS THE RETAINED STRUCTURE, AND WHERE NECESSARY, THEY SHALL DESIGN TEMPORARY PROPPING TO CARRY OUT THE CONTRACT WORKS
- D4. INDICATIVE CONFIGURATIONS OF EXISTING STRUCTURAL ELEMENTS REPRESENTED ON THESE DRAWINGS ARE BASED ON INFORMATION PRESENTED ON EXISTING STRUCTURAL DRAWINGS AND, BASED ON SURVEY DRAWINGS, THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING STRUCTURAL CONDITIONS PRIOR TO COMMENCEMENT OF DEMOLITION OF THE EXISTING STRUCTURE. WHERE CONFLICT OCCURS BETWEEN DRAWINGS AND ACTUAL CONDITIONS ENCOUNTERED ON SITE, THE CONTRACTOR SHALL CONTACT THE STRUCTURAL ENGINEERS FOR ADVICE IN WRITING PRIOR TO PROCEEDING WITH DEMOLITION WORKS.
- D5. THE EXTENT OF THE DEMOLITION OF EXISTING STRUCTURE (REPRESENTED ON THESE DRAWINGS) IS INDICATIVE ONLY. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXTENT AND ALL DIMENSIONAL/SETOUT INFORMATION
- D6. THE DEMOLITION DRAWINGS PREPARED BY CREO STRUCTURES SHOW THE GENERAL EXTENT OF DEMOLITION AND IDENTIFIES WHERE PERMANENT SUPPLEMENTARY SUPPORT STRUCTURE IS REQUIRED TO FACILITATE DEMOLITION AND TO MAINTAIN THE STRUCTURAL INTEGRITY OF THE EXISTING STRUCTURE THAT REMAINS AFTER THE DEMOLITION WORK HAS BEEN COMPLETED. EXISTING STRUCTURAL DRAWINGS HAVE NOT BEEN RECEIVED FOR SOME ZONES WITHIN THE <INSERT PROJECT>
- D7. THE CONTRACTOR SHALL ALLOW FOR THE COSTS ASSOCIATED WITH THE DEMOLITION AND REMOVAL OF THE EXISTING STRUCTURE.
- D8. THE DEMOLITION CONTRACTOR MUST INSTALL ANY TEMPORARY AND/OR PERMANENT WALL BRACING PROGRESSIVELY AS DEMOLITION IS UNDERTAKEN
- D9. THE DEMOLITION CONTRACTOR IS TO INSPECT AND DETERMINE THE CONDITION OF EXISTING STRUCTURE AND ALL DAMAGED MEMBERS TO BE REPLACED. THE CONTRACTOR SHALL ALLOW FOR THE COSTS ASSOCIATED WITH REPLACING DAMAGED MEMBERS.
- D10. THE DEMOLITION CONTRACTOR IS TO INSPECT EXISTING FLOOR STRUCTURE PRIOR TO ANY DEMOLITION OF EXISTING REINFORCED CONCRETE BEAMS, SLABS AND WALLS AND NOTIFY THE ENGINEER IF ADDITIONAL STRUCTURAL ELEMENTS ARE REQUIRED
- D11. NO EXISTING CONCRETE BEAMS OR COLUMNS ARE TO BE DEMOLISHED UNLESS NOTED OTHERWISE ON PLANS.
- D12. THE STABILITY OF THE BUILDING AND ELEMENTS OF THE BUILDING DURING CONSTRUCTION IS THE DEMOLITION CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR MUST ALLOW FOR SECURELY PROPPING ALL WALLS, FLOORS, REMOVING EXISTING BEAMS AND BUILDING NEW STRUCTURE.
- D13. DEVELOPMENT OF DETAILED PROCEDURES AND WORK METHODS FOR THE DEMOLITION OF ELEMENTS OF THE EXISTING BUILDING REMAINS THE RESPONSIBILITY OF THE DEMOLITION CONTRACTOR. THE DEMOLITION CONTRACTOR SHALL UNDERTAKE THE NECESSARY STRUCTURAL DESIGN ANALYSIS REQUIRED TO ASSESS AND VERIFY THE STRUCTURAL ADEQUACY OF THE PROPOSED DEMOLITION PROCEDURES AND SHALL PROVIDE ADDITIONAL TEMPORARY BRACING/PROPPING AS REQUIRED TO PERMIT SAFE DEMOLITION AND MAINTAIN THE STRUCTURAL INTEGRITY OF THE EXISTING BUILDING AT ALL TIMES.
- D14. IF TEMPORARY SUPPORT IS REQUIRED, CERTIFICATION FOR ITS DESIGN AND INSTALLATION IS REQUIRED FROM A CHARTERED (CPEng) TEMPORARY WORKS ENGINEER ENGAGED BY THE CONTRACTOR.
- D15. ANY TEMPORARY BRACING SHOWN ON THESE DRAWINGS MUST REMAIN IN POSITION UNTIL ALL STRUCTURAL ELEMENTS ARE SECURELY FIXED IN POSITION AND EACH NEW ELEMENT HAS BECOME AN INTEGRAL PART OF THE BRACED STRUCTURE
- D16. THE DEMOLITION CONTRACTOR IS TO CONFIRM THE "AS BUILT" STRUCTURE SHOWN ON THESE PLANS WITH THE EXISTING STRUCTURE ON SITE. SHOULD ANY DISCREPANCIES EXIST, THE STRUCTURAL ENGINEER IS TO BE NOTIFIED FOR INSPECTION, AND APPROVAL OR ALTERNATIVE DESIGN. 72 HOURS NOTICE IS TO BE GIVEN PRIOR TO INSPECTION. ANY DISCREPANCIES WITH THE ASSUMPTIONS MADE ON THESE DRAWINGS WILL REQUIRE RE-DOCUMENTATION TO REFLECT THE EXISTING CONDITIONS AND TO CHECK THE LOADING IMPLICATIONS ON OTHER STRUCTURAL MEMBERS.
- D17. IF A DIFFERENT PROPPING PROCEDURE IS TO BE ADOPTED THAN THOSE NOTED ON THESE DRAWINGS, THE PROPPING PROCEDURES AND METHOD OF CONSTRUCTION MUST BE SUPPLIED TO CREO STRUCTURES TOGETHER WITH ANY RELEVANT COMPUTATIONS AND DETAILS FOR APPROVAL. WRITTEN APPROVAL MUST BE OBTAINED BEFORE THE COMMENCEMENT OF ANY WORK.
- D18. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SELECT APPROPRIATE DEMOLITION SEQUENCES, PROCEDURES AND METHODS TO ENSURE THAT DEMOLITION WORKS DO NOT DISTURB RETAINED SECTIONS OF ADJACENT EXISTING STRUCTURE.
- D19. NO "OVER-CUTTING" WITH LARGE DIAMETER SAW BLADES IS TO OCCUR AT CORNERS OF REMAINING SECTIONS OF FLOOR SLABS. PROVIDE CORE HOLES AT CORNERS AND SQUARE OFF CORNERS WITH A SMALL DIAMETER SAW BLADE TO AVOID "OVER-CUTTING".
- D20. ALL DEMOLITION WORKS ARE TO BE CARRIED OUT USING "LOW IMPACT" DEMOLITION TECHNIQUES (e.g. : FLAME CUTTING OF STEEL BEAMS, DEMOLITION OF REINFORCED CONCRETE STRUCTURE WITH HAND HELD EQUIPMENT, ETC.) AS REQUIRED TO ENSURE THAT THE STRUCTURAL INTEGRITY OF THE RETAINED STRUCTURE IS NOT COMPROMISED.
- D21. ALL DEMOLITION WORKS TO COMPLY WITH THE CURRENT EDITION OF THE VICTORIA WORKPLACE HEALTH AND SAFETY ACT.
- D22. THE CONTRACTOR SHALL PROVIDE TO THE ENGINEER DETAILED DEMOLITION SEQUENCING & METHODOLOGY FOR REVIEW, PRIOR TO UNDERTAKING ANY SITE WORKS. THESE PLANS ARE TO BE APPROVED BY THE CONTRACTORS OWN CHARTERED (CPEng) TEMPORARY WORKS ENGINEER PRIOR TO SUBMISSION
- D23. EXISTING FOUNDATIONS ARE NOT TO BE UNDERMINED.

DEMOLITION NOTES (CONT...)

- D24. ALL ABOVE GROUND INFRASTRUCTURE IN THE WAY OF DEMOLITION WORKS TO BE REMOVED AND RELOCATED PRIOR TO WORKS COMMENCING.
- D25. FURTHER CONSIDERATION NEEDS TO BE GIVEN TO STRUCTURAL AND CONSTRUCTION REQUIREMENTS DURING THE TEMPORARY AND PERMANENT CASES WHICH MAY RESULT IN FURTHER AREA OF DEMOLITION TO SUIT BUILDABILITY.
- D26. CONTRACTOR TO ENSURE THAT PRIMARY STRUCTURE IS NOT DAMAGED WHEN REMOVING FINISHES.
- D27. CONTRACTOR TO UNDERTAKE X-RAY SURVEY OF ALL EXISTING IN-GROUND SERVICES PRIOR TO UNDERTAKING WORKS. EXISTING SERVICES SHOWN ON CREO STRUCTURES DRAWINGS ARE INDICATIVE ONLY. CONTRACTOR TO VERIFY ALL EXISTING IN-GROUND SERVICES.
- D28. TEMPORARY BRACING MUST REMAIN IN POSITION UNTIL ALL STRUCTURAL ELEMENTS ARE SECURELY FIXED IN POSITION AND EACH ELEMENT HAS BECOME AN INTEGRAL PART OF THE BRACED STRUCTURE.
- D29. AT NO TIME SHALL THE DEMOLITION CONTRACTOR ALLOW THE EXISTING STRUCTURE TO STAND UN-BRACED IN ANY DIRECTION
- D30. THE DEMOLITION CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING GOOD ALL WORKS THAT HAVE BEEN DAMAGED DURING AND AS A RESULT OF THE DEMOLITION WORKS. THIS INCLUDES:
- (a) REPAIR AND/OR REPLACE EXISTING ITEMS NOT NOTED TO BE DEMOLISHED OR REMOVED BUT WHICH HAVE BECOME DAMAGED WHILE UNDERTAKING THE DOCUMENTED DEMOLITION WORKS. ALL SUCH REPAIRS, REPLACEMENTS AND MODIFICATIONS ARE TO RESTORE ANY DAMAGED ITEMS TO THEIR ORIGINAL CONDITION, PRIOR TO THE DAMAGE, TO THE SATISFACTION OF, AND AT NO ADDITIONAL COST, TO THE OWNER.
 - (b) PATCH, FILL AND REPAIR ALL SURFACES DISTURBED, CUT, DAMAGED, IN NEED OF REPAIR OR MADE IMPERFECT BY THE DOCUMENTED DEMOLITION WORK AS REQUIRED TO PREPARE FOR NEW WORK AND ARRANGEMENTS.
- D31. ALL CUT FACES OF EXISTING REINFORCED CONCRETE ELEMENTS SHALL BE FINISHED AS FOLLOWS:
- EXPOSED REINFORCEMENT TO BE PAINTED WITH FOSROC NITOPRIME. (OR APPROVED EQUIVALENT).
 - EXPOSED CONCRETE FACE TO BE PAINTED WITH FOSROC DEKGUARD. (OR APPROVED EQUIVALENT).

FOSROC (OR APPROVED EQUIVALENT) PRODUCTS ARE TO BE APPLIED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION. THE CONTRACTOR IS TO SEEK GUIDANCE FROM THE MANUFACTURER'S REPRESENTATIVE/SPECIALIST ON THE CORRECT PROCEDURE IN WHICH THE FOSROC (OR APPROVED EQUIVALENT) PRODUCT IS TO BE CURED PRIOR TO BEING EMBEDDED IN NEW CONCRETE.

- D32. THE CONTRACTOR SHALL STRICTLY FOLLOW THE PROCEDURES ON THE DRAWINGS AND ANY VARIATIONS TO THE SPECIFIED PROCEDURES SHALL BE TO THE APPROVAL OF THE DESIGN ENGINEER. THE BUILDER SHALL HAVE ON SITE A STOCK OF SHORES, PROPS AND TIMBER FOR EMERGENCY SUPPORTS AS NECESSARY.
- D33. REMOVE FROM SITE ALL DEMOLISHED MATERIALS NOT REQUIRED IN FINAL WORKS.

ASBESTOS AND HAZARDOUS MATERIAL

- AS1. THE CONTRACTOR MUST REVIEW THE PROJECT ASBESTOS REGISTER AND HAZARDOUS MATERIALS RISK ASSESSMENT REPORT & UNDERSTAND THEIR IMPLICATIONS. WHERE ASBESTOS OR OTHER HAZARDOUS MATERIALS IS TO BE REMOVED THIS MUST BE CARRIED OUT ONLY BY A LICENSED REMOVALIST WHO IS APPROPRIATELY LICENSED TO CARRY OUT THE WORK. ASBESTOS AND HAZARDOUS MATERIALS.

PILING NOTES

- P1. ALL PILING IS TO BE IN ACCORDANCE WITH SAI PILING CODE AS2159:2009. ALL CAPACITY REDUCTION FACTORS TO BE REFLECTIVE OF AMOUNT OF TESTING CONDUCTED ON SITE.
- P2. REFER GEOTECHNICAL INFORMATION NOTE FOR SITE INVESTIGATION INFORMATION.
- P3. PILING IS TO BE DESIGNED, CONSTRUCTED AND CERTIFIED IN ACCORDANCE WITH THE SPECIFICATION AND REQUIREMENTS SET OUT ON THE DRAWINGS. DETAILS OF EACH PILE TYPE AND CAPACITY ARE TO BE SUBMITTED TO THE SUPERINTENDENT AS REQUIRED BEFORE ANY PILING IS COMMENCED.
- P4. PILES ARE TO BE DESIGNED FOR 50 YEAR STRUCTURAL LIFE AND CERTIFIED BY MANUFACTURER.
- P5. SPLICES SHALL BE CAPABLE OF TRANSMISSION OF FULL MOMENT AND AXIAL CAPACITY OF PILE BETWEEN SECTIONS. SPLICES SHALL BE CONSTRUCTED TO MANUFACTURER'S DETAIL AND REFERENCED IN MANUFACTURER SUPPLIED CERTIFICATION.
- P6. PILES ARE TO BE FOUNDED IN NATURAL UNDISTURBED HIGHLY WEATHERED SILTSTONE ROCK OR BETTER MATERIAL UNLESS NOTED OTHERWISE.
- P7. EACH PILE IS TO BE CONSTRUCTED WITHIN A TOLERANCE OF 75mm OF THE LOCATION SHOWN ON THE PLAN, AND WITHIN 1 IN 100 FOR VERTICALLY OR BETTER.
- P8. PILE REINFORCEMENT IS TO EXTEND TO TOP OF PILE CAP AND BE FULLY DEVELOPED.
- P9. REFER TO GEOTECHNICAL REPORTS LISTED IN NOTE F3 FOR PILE DESIGN RECOMMENDATIONS.

PILE VERIFICATION AND TESTING

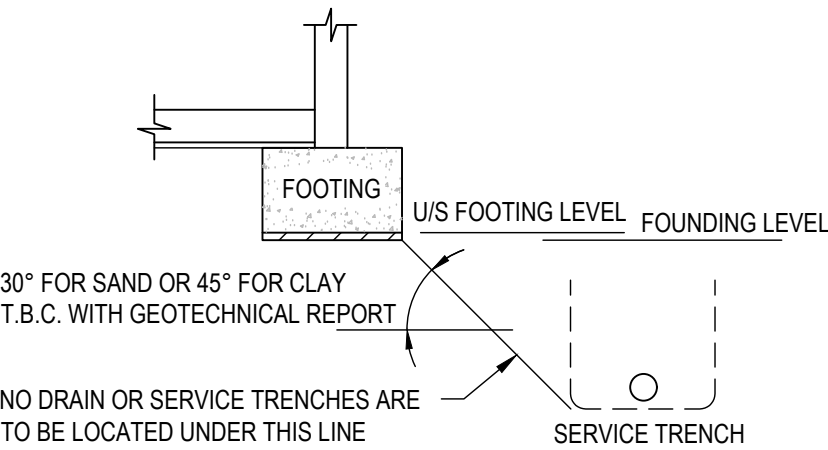
- V1. DETAILED PILE RECORDS ARE TO BE KEPT FOR ALL PILES INCLUDING LOGGING OF THE DEPTH AT WHICH ROCK WAS ENCOUNTERED, THE QUALITY OF THE ROCK REMOVED DURING PILE DRILLING, AND THE LENGTH OF THE ROCK SOCKET.
- V2. A PROPORTION OF REPRESENTATIVE PILES (MINIMUM 20%) ARE TO BE WITNESSED DURING DRILLING BY A QUALIFIED GEOTECHNICAL ENGINEER TO CONFIRM ROCK CLASSIFICATION AND WITNESS PILE END LENGTH, CLINCH BENCH, AND ROCKNESS.
- V3. STATIC LOAD TESTING SHALL BE UNDERTAKEN ON A REPRESENTATIVE PROPORTION OF PILES (NOMINALLY 5% OF ALL PILES INSTALLED) TO CONFIRM THE SERVICEABILITY SETTLEMENT CRITERIA IS MET.

FOOTING NOTES

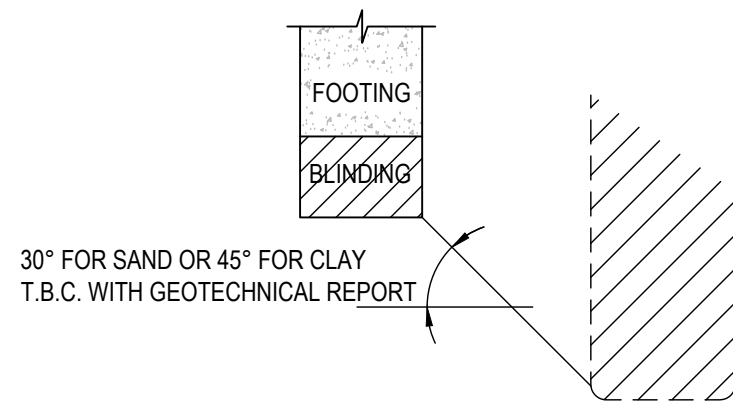
- F1. ALLOWABLE BEARING CAPACITY:
PAD FOOTING: 150kPa
- SUITABLY QUALIFIED GEOTECHNICAL ENGINEER TO VERIFY ALLOWABLE BEARING CAPACITY ON SITE BEFORE THE PLACEMENT OF ANY CONCRETE OR REINFORCEMENT
- F2. ALL FOOTING EXCAVATIONS SHALL BE CLEANED OF LOOSE MATERIAL AND KEPT FREE OF WATER AT ALL TIMES BY BAILING AND PUMPING IF NECESSARY, PARTICULARLY PRIOR TO CONCRETING. CONCRETE SHALL NOT BE PLACED IN WATER.
- F3. UNLESS OTHERWISE NOTED ON THE DRAWINGS, LOCATE ALL PIPES, RETAINING WALLS AND EXCAVATIONS OUTSIDE A 45° ZONE OF INFLUENCE FROM THE BOTTOM EDGE OF THE FOOTING.
- F4. WHERE SIDE SHEAR IS REQUIRED TO BE DEVELOPED, CLEAN AND ROUGHEN THE SIDES OF THE EXCAVATION TO THE SATISFACTION OF THE CONTRACT ADMINISTRATOR. WHERE VERIFIED FOUNDATION MATERIAL IS LOWER THAN THE UNDERSIDE OF FOOTINGS AS DETAILED, BACKFILL ADDITIONAL EXCAVATION WITH 10 MPa MASS CONCRETE.
- F5. FOOTINGS SHALL BE LOCATED CENTRALLY UNDER WALLS AND COLUMNS UNLESS NOTED OTHERWISE.
- F6. FOOTINGS TO BE CONSTRUCTED AND BACKFILLED AS SOON AS POSSIBLE FOLLOWING EXCAVATION TO AVOID SOFTENING OR DRYING OUT BY EXPOSURE.
- F7. THE CONTRACTOR IS TO ALLOW FOR COST OF GEOTECHNICAL INSPECTIONS.
- F8. DRILL 50mm VERTICAL TEST HOLE ON THE CENTRE LINE OF EACH FOOTING TO A MINIMUM DEPTH OF 1.5 TIMES THE MINIMUM PLAN DIMENSION. THESE HOLES ARE TO BE DRILLED BELOW THE LEVEL AT WHICH SUITABLE FOUNDING MATERIAL IS REACHED, AND SHALL BE CHECKED BY THE GEOTECHNICAL ENGINEER PRIOR TO CONCRETING. IF DEEPENING OF THE EXCAVATION IS NECESSARY, THE TEST HOLE WILL BE REDRILLED.

FOOTING NOTES (CONT...)

- F0. STRIP ALL TOPSOIL FROM THE CONSTRUCTION AREA. ALL STRIPPED TOPSOIL IS TO BE REMOVED FROM SITE UNLESS DIRECTED OTHERWISE.
- F10. ALL EXCAVATIONS SHALL BE APPROVED BY THE BUILDING SURVEYOR / SUPERINTENDENT BEFORE PLACEMENT OF BLINDING CONCRETE AND POLYTHENE MEMBRANE. EXCESS DEPTHS AND WIDTHS IN FOUNDATIONS OVER AND ABOVE THE DIMENSIONS SPECIFIED SHALL BE FILLED WITH 15 MPa BLINDING CONCRETE. THE COST OF FILLING SHALL BE BORNE BY THE CONTRACTOR.
- F11. NO EXCAVATED MATERIAL FROM SITE SHALL BE SUITABLE FOR BACKFILL WITHOUT PRIOR APPROVAL FROM THE GEOTECHNICAL ENGINEER.
- F12. IMPORTED FILL, BACKFILL OR COMPACTED FOUNDATION MATERIAL IS TO BE PLACED IN INTERMEDIATE LAYERS NOT EXCEEDING 200mm TO 98% MODIFIED MAXIMUM DRY DENSITY UNDER BUILDINGS OR 95% MODIFIED MAXIMUM DRY DENSITY IN LANDSCAPING AREAS IN ACCORDANCE WITH AS 1289. CONTRACTOR TO CONFIRM THAT THE COMPACTION METHODOLOGY SHALL CAUSE NO DAMAGE TO ADJACENT STRUCTURES. ALL STRUCTURAL FILLING WORKS SHALL BE COMPLETED UNDER LEVEL 1 SUPERVISION BY A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER. THE CONTRACTOR IS TO PROVIDE COMPACTION TEST RESULTS TO THE ENGINEER PRIOR TO PROCEEDING.
- F13. CONCRETE BLINDING SHALL BE PLACED WITHIN 24HRS OF EXCAVATION ONCE APPROVAL HAS BEEN GIVEN BY GEOTECHNICAL ENGINEER.
- F14. BEFORE ANY REINFORCEMENT OR CONCRETE IS PLACED, THE SAFE BEARING CAPACITY OF THE GROUND IS TO BE VERIFIED BY THE GEOTECHNICAL ENGINEER. EXCAVATION SHALL CONTINUE UNTIL THE REQUIRED BEARING CAPACITY IS FOUND ESTABLISHED.
- F15. EXISTING ADJACENT FOOTINGS SHALL NOT BE UNDERMINED. NEW FOOTING FOUNDING DEPTH SHALL MATCH, BUT NOT EXCEED, ADJACENT FOOTING FOUNDING DEPTH. IN THE EVENT THAT UNDERPINNING IS REQUIRED, PLEASE CONTACT CORE STRUCTURES.
- F16. OVER-EXCAVATION WITHIN THE INFLUENCE ZONE (45 DEGREE LINE DOWN FROM BASE OF FOUNDING LEVEL) OF ANY FOOTING AND/OR RETAINING WALL IS NOT ALLOWED WITHOUT THE PRIOR APPROVAL OF THE EXCAVATION SEQUENCE BY THE BUILDING SURVEYOR/SUPERINTENDENT



- F17. UNLESS NOTED OTHERWISE, WHEREVER A NEW FOOTING IS LOCATED CLOSE TO AN EXCAVATION BATTER, EXISTING FOOTING, EXISTING SERVICE LINE OR PROPOSED SERVICE LINE, WHICH IS DEEPER THAN THE NEW FOOTING, THE EXCAVATION FOR THE NEW FOOTING IS TO BE DEEPEMED AND BACKFILLED WITH 15 MPa BLINDING CONCRETE AS INDICATED BELOW.



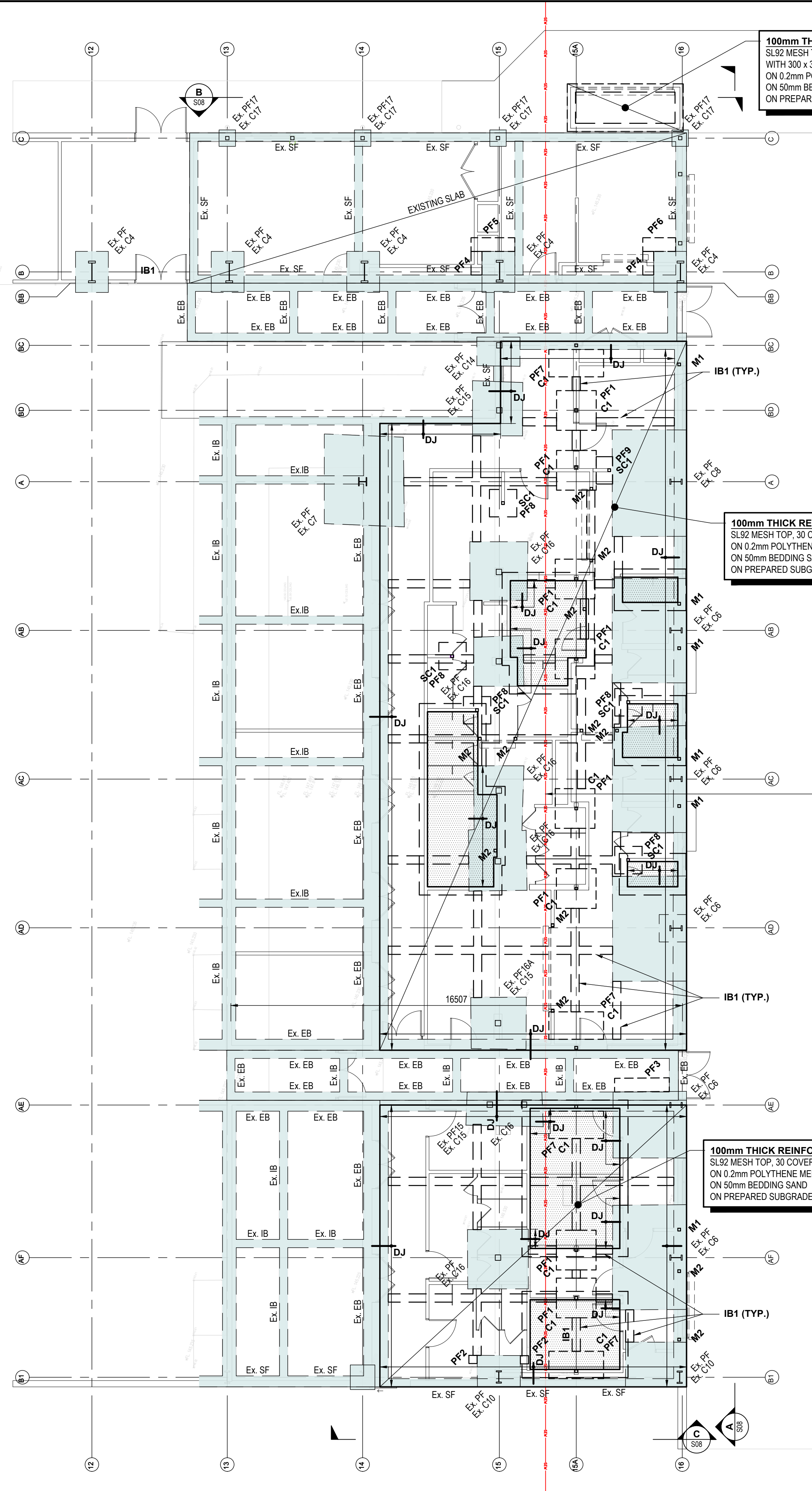
FORMWORK NOTES

- FW1. FORMWORK SHALL COMPLY WITH AS3610:1995.
- FW2. THE DESIGN, CONSTRUCTION AND PERFORMANCE OF THE FORMWORK, FALSEWORK AND BACK-PROPPING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL ENGAGE A STRUCTURAL ENGINEER TO CERTIFY ALL FORMWORK, FALSEWORK AND BACKPROPPING DESIGN. THE CONTRACTOR SHALL SUBMIT PROPOSALS FOR FORMWORK, FALSEWORK AND BACK-PROPPING AND REMOVAL OF FORMWORK TO THE CONTRACT ADMINISTRATOR FOR COMMENT AT COMMENCEMENT OF JOB.
- FW3. RESHORING IS NOT PERMITTED.
- FW4. STRIPPING OF FORMWORK SHALL COMPLY WITH SECTION 17.6 OF AS3600:2009.
- FW5. FORMED CONCRETE SURFACES SHALL HAVE FINISHES IN ACCORDANCE WITH AS3610:1995 AS SPECIFIED BY THE CONTRACT ADMINISTRATOR.
- FW6. ALL HOLES LEFT BY FORM TIE BOLTS SHALL BE FILLED WITH MORTAR MATCHING THE SURFACE COLOUR OF THE FINISHED SURFACE.
- FW7. FORMWORK MAY BE STRIPPED AFTER 7 DAYS, BUT BEAMS AND SLABS MUST REMAIN PROPPED FOR 21 DAYS.

PAVEMENT SLAB ON GROUND NOTES

- | | |
|------|--|
| SG1. | REMOVE SURFACE MATERIAL AND UNCONTROLLED FILLING TO EXPOSE THE UNDERLYING NATURAL CLAY. U.N.O BY THE GEOTECHNICAL ENGINEER |
| SG2. | THE EXPOSED NATURAL SUBGRADE SHOULD BE MOISTURE CONDITIONED TO WITHIN A MOISTURE RATIO OF 85% AND 115% OF STANDARD OPTIMUM MOISTURE CONTENT (SOMC) AND COMPACTED TO ACHIEVE A MINIMUM DENSITY RATIO OF 98% STANDARD IN ACCORDANCE WITH AS1289 5.1.1 AND 5.4.1. |
| SG3. | UNSTABLE ZONES THAT DO NOT IMPROVE AFTER TYING, DRYING AND RE-COMPACTON AND/OR TREATMENT WILL REQUIRE EXCAVATION AND REPLACEMENT WITH SUITABLY COMPACTED SELECT FILL IN LAYERS NOT EXCEEDING 200mm LOOSE THICKNESS. SHOULD EXTENSIVE SOFT OR WEAK AREAS BE ENCOUNTERED, FURTHER GEOTECHNICAL ADVICE SHOULD BE SOUGHT. |
| SG4. | SEAL THE EXPOSED SURFACE USING A FLAT DRUM ROLLER TO MINIMISE WATER INGRESS AND POTENTIAL DETERIORATION PRIOR TO THE TIMELY CONSTRUCTION OF THE ENGINEERED FILL PLATFORM. |
| SG5. | SUITABLE FILL, WHERE REQUIRED, SHOULD BE PLACED IN LAYERS NOTE EXCEEDING 200mm LOOSE THICKNESS. EACH LAYER MOISTURE CONDITIONED TO WITHIN A MOISTURE RATIO OF 85% AND 115% OF SOMC AND COMPACTED TO ACHIEVE A MINIMUM DENSITY RATIO OF 98% STANDARD IN ACCORDANCE WITH AS1289 5.1.1 AND 5.4.1. |
| SG6. | THE PREPARED SUBGRADE SHOULD NOT BE ALLOWED TO DRY OUT PRIOR TO CONSTRUCTION OF THE ENGINEERED FILL PLATFORM. |
| SG7. | UNLESS NOTED OTHERWISE, ALL SLABS CAST ON GROUND SHALL BEAR ON MATERIAL WITH ALLOWABLE BEARING CAPACITY OF 30 kPa. OVERLAIN BY 50mm THICK COMPACTED CLEAN FINE DRAINING SAND BEDDING, WITH A 0.2mm POLYTHENE MEMBRANE LAPPED 200mm AND TAPED AT THE JOINTS. |
| SG8. | WHERE SUSPENDED SLABS OR BEAMS ARE TO BE CONSTRUCTED ON THE GROUND, TOP SOIL SHALL BE REMOVED AND FILLING AND/OR NATURAL GROUND UNDER THE SLAB AND BEAMS SHALL BE COMPACTED SO AS TO PROVIDE SUFFICIENT SUPPORT FOR THE WEIGHT OF THE WET CONCRETE AND ANY CONSTRUCTION LOADS PLACED THEREON WHILE THE CONCRETE IS CURING. FILLING IF REQUIRED SHALL BE EITHER CLEAN SOIL FROM EXCAVATIONS, SANDY LOAM OR OTHER APPROVED MATERIAL. THE SURFACE SHALL BE BROUGHT TO GRADE USING 50mm QUARRY DUST OR SAND AND OVERLAIN BY 0.2mm POLYTHENE MEMBRANE LAPPED 200mm AND TAPED AT JOINTS. |

[illegible]



MARK	SIZE LENGTH x WIDTH x MINIMUM DEPTH	REINFORCEMENT	REMARKS
PF1	1500 x 1500 x 600 DEEP	N16-200 EACH WAY, TOP & BOTTOM	PAD FOOTING
PF2	300 x 300 x 600 DEEP	N16-200 EACH WAY, TOP & BOTTOM	PAD FOOTING
PF3	2000 x 500 x 600 DEEP	N16-200 EACH WAY, TOP & BOTTOM	PAD FOOTING
PF4	900 x 500 x 600 DEEP	N16-200 EACH WAY, TOP & BOTTOM	PAD FOOTING
PF5	1700 x 500 x 600 DEEP	N16-200 EACH WAY, TOP & BOTTOM	PAD FOOTING
PF6	1300 x 500 x 600 DEEP	N16-200 EACH WAY, TOP & BOTTOM	PAD FOOTING
PF7	2000 x 1000 x 600 DEEP	N16-200 EACH WAY, TOP & BOTTOM	PAD FOOTING
PF8	1000 x 1000 x 600 DEEP	N16-200 EACH WAY, TOP & BOTTOM	PAD FOOTING
PF9	1000 x 600 x 600 DEEP	N16-200 EACH WAY, TOP & BOTTOM	PAD FOOTING
IB1	300 WIDE x 400 DEEP	3N16 TOP & BOTTOM, R10-1000 LIGS	INTERNAL BEAM

NOTE:
CONCRETE GRADE = 32 MPa.,
COVER = 40mm.
MINIMUM 100mm INTO NATURAL SILTY CLAY.
ALLOWABLE BEARING CAPACITY - 150 kPa.

NOTE:
EXISTING FOOTING SHOWN ARE BASED ON SURVEY PROVIDED
AND EXISTING STRUCTURAL DOCUMENTATION.

NOTE:
EXISTING SEWER IS TO BE PROTECTED DURING
INSTALLATION OF NEW PAD FOOTINGS.

	STEEL COLUMN OVER
	EXISTING SLAB EDGE BEAM / INTERNAL STRIP FOOTING / PAD FOOTING
	SET DOWN TO SLAB REFER TO ARCHITECT'S DRAWING FOR EXACT LOCATION AND LEVEL
	EXISTING SEWER LINE
	DOWEL JOINT. REFER TO DETAIL

T2						
T3	25/06/26	TENDER ISSUE		JB	APS	APS
T2	25/05/26	TENDER ISSUE		JB	APS	APS
T1	12/05/26	TENDER ISSUE		JB	APS	APS
T7	07/04/26	TENDER ISSUE		JB	APS	APS
B	01/04/26	PRELIMINARY ISSUE		JB	APS	APS
A	18/02/26	PRELIMINARY ISSUE		JB	APS	APS
REV	DATE	REVISION DESCRIPTION	DRAWN	CHECKED	APPROVED	



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PROJECT

**WANGARATTA AQUATIC CENTRE
STRUCTURAL DESIGN**

41 SCHILLING DRIVE,
WANGARATTA, Vic. 3677

DRAWING TITLE

GROUND FLOOR FOOTING PLAN

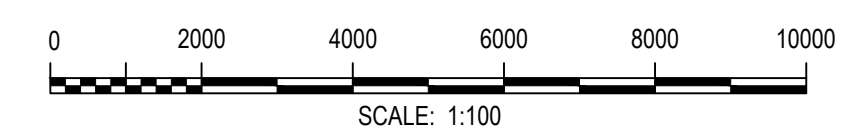
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PROJECT ENGINEER J.S.	PROJECT MANAGER J.S.	DATE FIRST ISSUE 18/02/2026

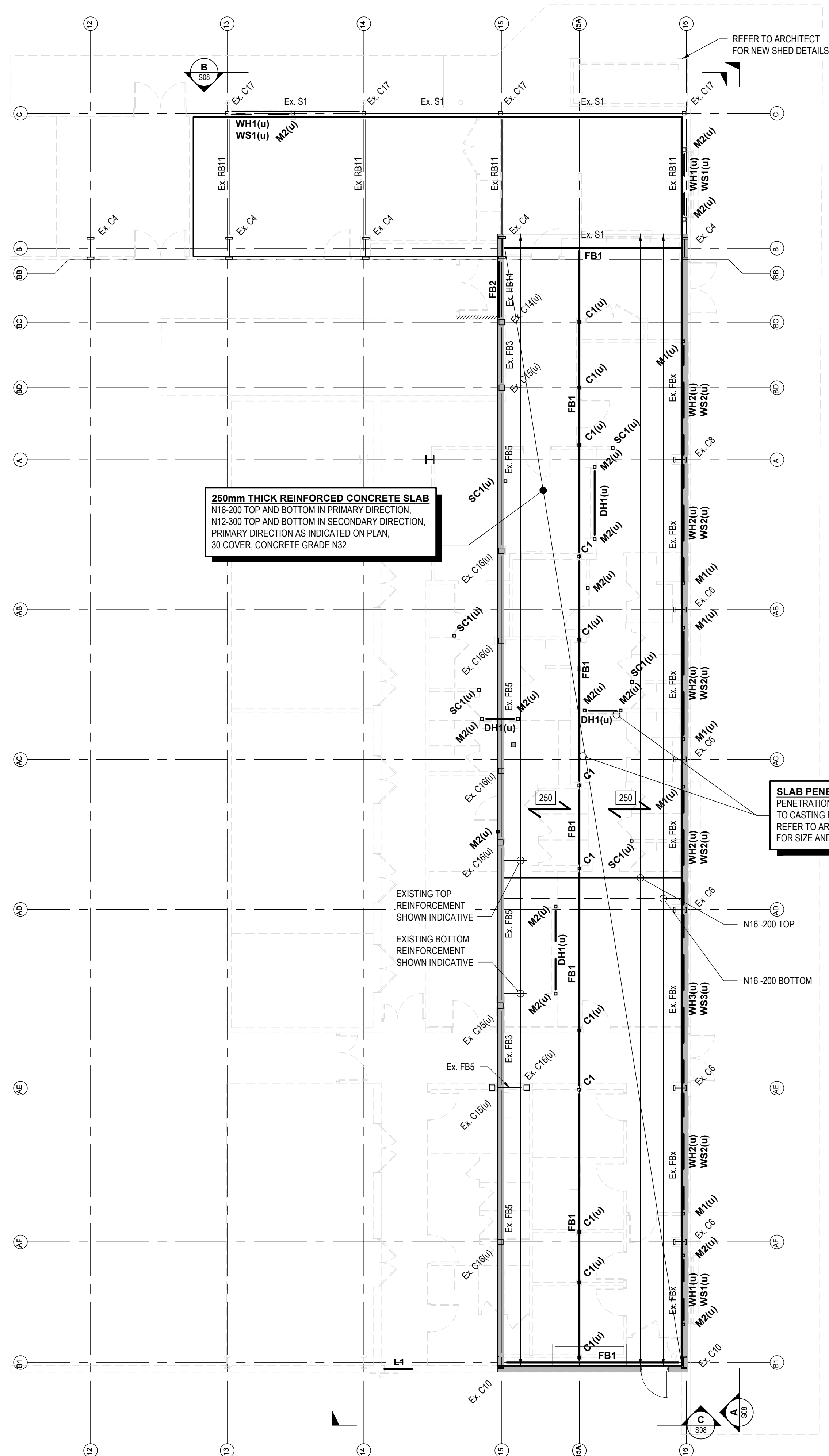
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ISSUED FOR TENDER	
NOT FOR CONSTRUCTION	

PROJECT No.	DRAWING No.	REVISION
230280	S04	T3

GROUND FLOOR FOOTING PLAN

SCALE 1:100





MEMBER SCHEDULE		
MARK	SIZE	REMARKS
C1	150 x 150 x 6.0 SHS	STEEL COLUMN
SC1	89 x 89 x 6.0 SHS	STEEL COLUMN
M1	100 x 100 x 9.0 SHS	STEEL MULLION
M2	89 x 89 x 6.0 SHS	STEEL MULLION
FB1	460 UB 67 WITH SHEAR STUDS AT 200mm CTS.	FLOOR BEAM
FB2	200 UB 25 WITH SHEAR STUDS AT 200mm CTS.	FLOOR BEAM
DH1	150 PFC 	DOOR HEADER
WH1	89 x 89 x 6.0 SHS	WINDOW HEADER
WH2	100 x 100 x 9.0 SHS	WINDOW HEADER
WH3	150 x 150 x 6.0 SHS	WINDOW HEADER
WS1	89 x 89 x 6.0 SHS	WINDOW SILL
WS2	100 x 100 x 9.0 SHS	WINDOW SILL
WS3	150 x 150 x 6.0 SHS	WINDOW SILL
L1	200 UC 46 (CONCRETE ENCASED)	LINTEL
NOTE: (u) DENOTES BEAMS AND COLUMNS UNDER		

DESIGN LOADS:

DL = 1.0 kPa.
LL = 5.0 kPa.

T3	25/06/26	TENDER ISSUE	JB	APS	APS	
T2	26/05/26	TENDER ISSUE	JB	APS	APS	
T1	12/05/26	TENDER ISSUE	JB	APS	APS	
T0	07/04/26	TENDER ISSUE	JB	APS	APS	
B	01/04/26	PRELIMINARY ISSUE	JB	APS	APS	
A	18/02/26	PRELIMINARY ISSUE	JB	APS	APS	
REV	DATE	REVISION DESCRIPTION	DRAWN	CHECKED	APPROVED	



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PROJECT

**WANGARATTA AQUATIC CENTRE
STRUCTURAL DESIGN**

41 SCHILLING DRIVE,
WANGARATTA, Vic. 3677

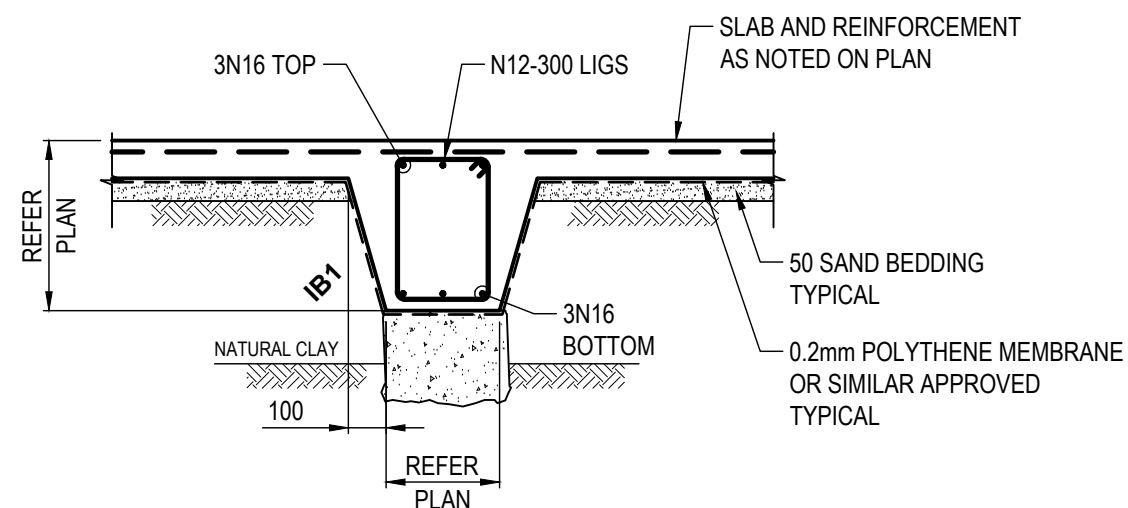
DRAWING TITLE

FIRST FLOOR SLAB PLAN

SCALE AT A1 1:100	DRAWN J.B.	DESIGNED J.S.
PROJECT ENGINEER J.S.	PROJECT MANAGER J.S.	DATE FIRST ISSUE 18/02/2026

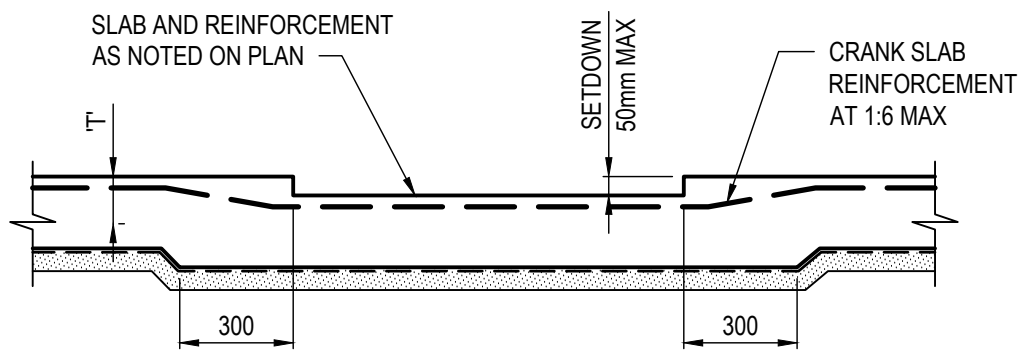
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PROJECT No.	DRAWING No.	REVISION
230280	S05	T3



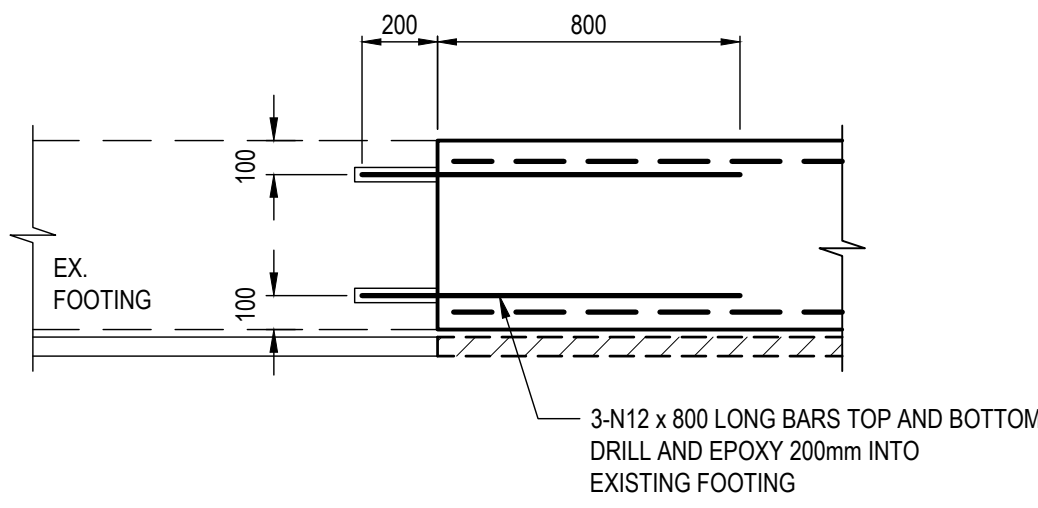
**TYPICAL INTERNAL BEAM
(IB1) DETAIL**

SCALE 1:20



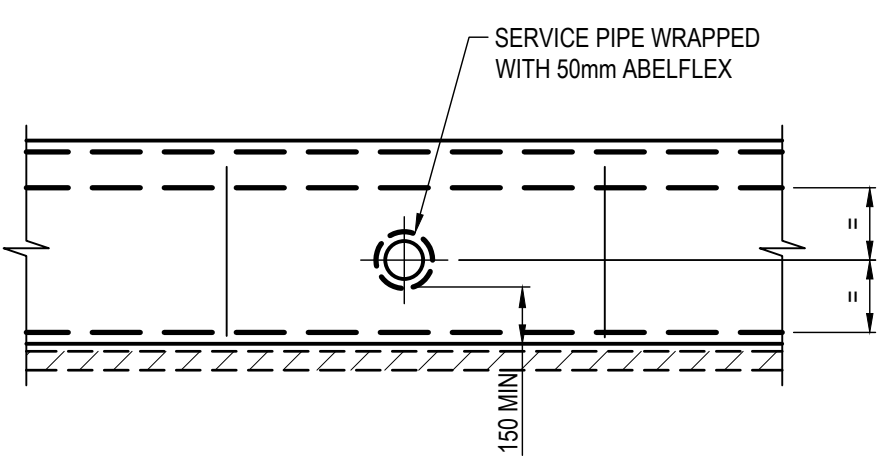
TYPICAL SETDOWN IN SLAB

SCALE 1:20



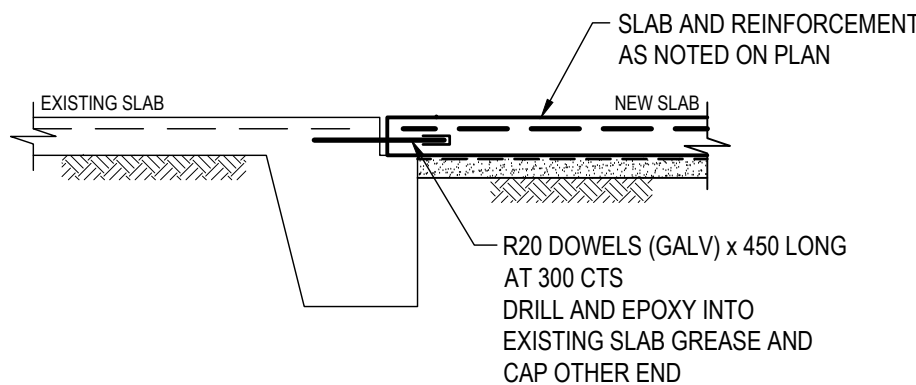
**TYPICAL NEW TO EXISTING
SLAB RIB DETAIL**

SCALE 1:20



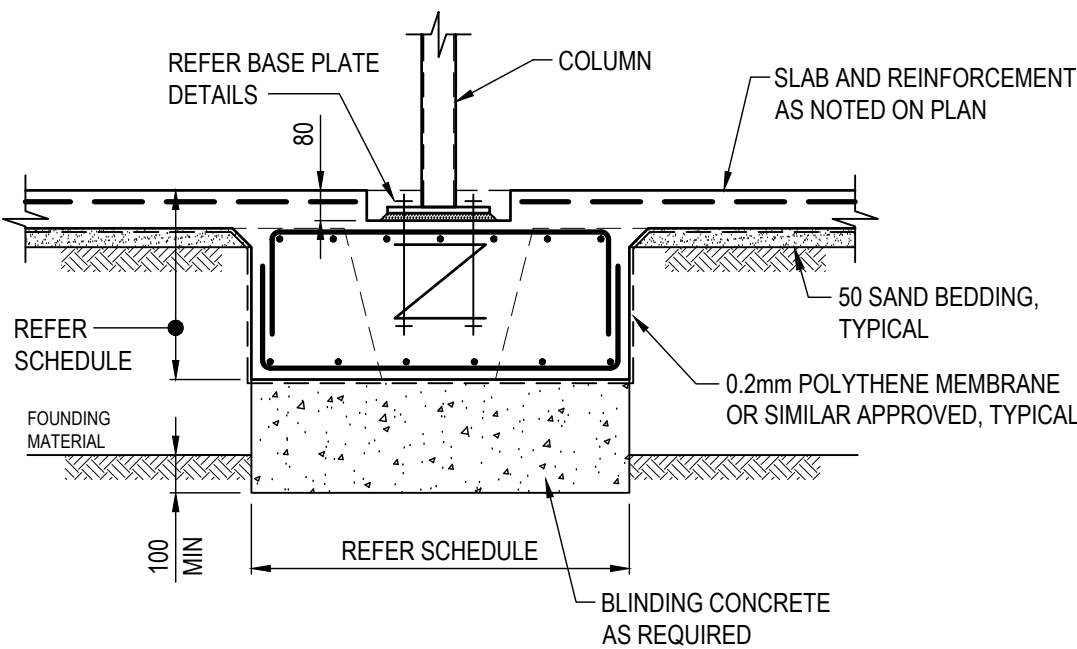
**SERVICES PIPE THROUGH
EDGE/RIB BEAM AND PAD
FOOTING**

SCALE 1:20



TYPICAL DOWEL JOINT

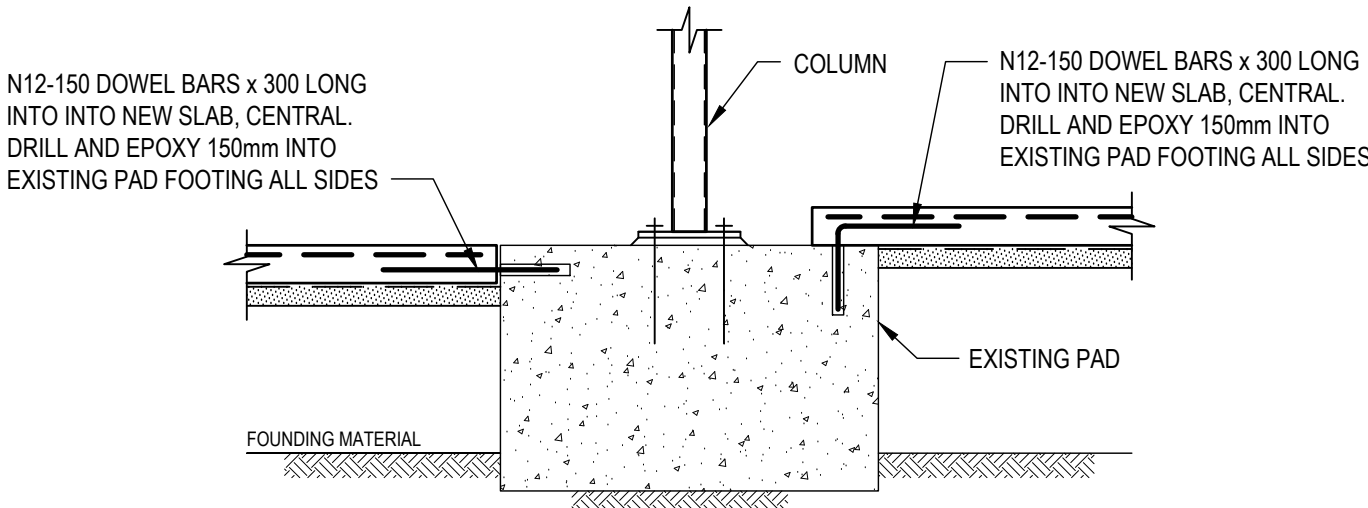
SCALE 1:20



**TYPICAL INTERNAL PAD FOOTING DETAIL
(COLUMN BASE PLATE RECESS)**

SCALE 1:20

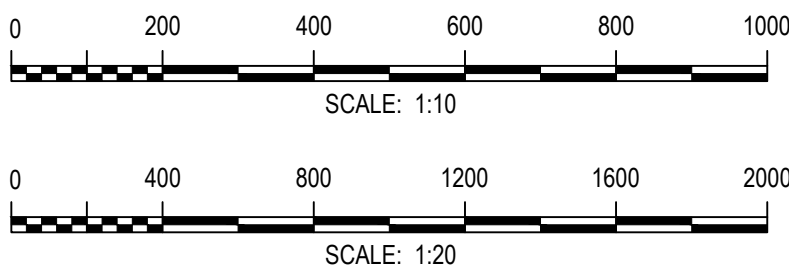
NOTE: SLAB EDGE BEAM AND INTERNAL BEAM REINFORCEMENT TO RUN CONTINUOUS THROUGH PAD FOOTING ARRANGEMENT WITH TOP BARS STEPPED DOWN AND LAPPED AT RECESSED COLUMN BASE PLATE LOCATIONS. TYPICAL FOR ALL PAD FOOTINGS.



**TYPICAL SECTION THROUGH EXISTING PAD
FOOTING TO NEW SLAB AT SETDOWN DETAIL**

SCALE 1:20

NOTE: SLAB AND REINFORCEMENT AS NOTED ON PLAN



REV	DATE	REVISION DESCRIPTION	DRAWN	CHECKED	APPROVED
T3	25/06/26	TENDER ISSUE			
T2	26/05/26	TENDER ISSUE			
T1	12/05/26	TENDER ISSUE			
T0	07/04/26	TENDER ISSUE			
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PROJECT
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STRUCTURAL DESIGN**
41 SCHILLING DRIVE,
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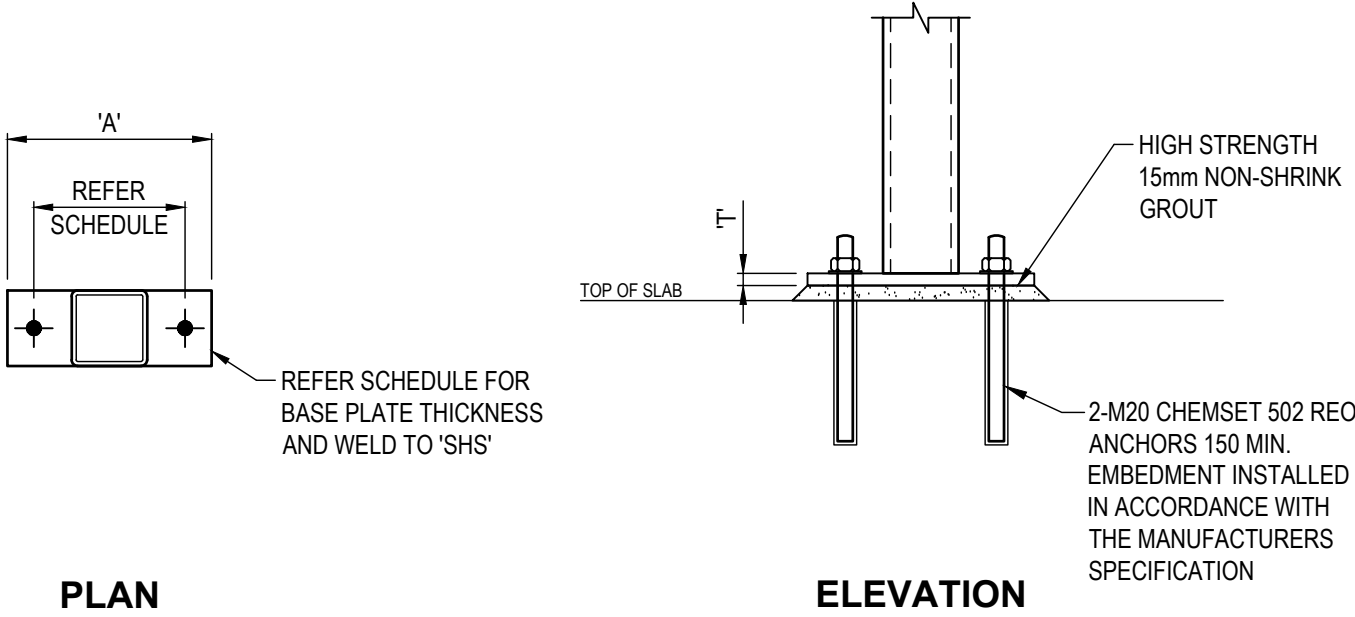
DRAWING TITLE
TYPICAL FOOTING DETAILS

SCALE AT A1 1:10, 1:20	DRAWN J.B.	DESIGNED J.S.
PROJECT ENGINEER J.S.	PROJECT MANAGER J.S.	DATE FIRST ISSUE 18/02/2026

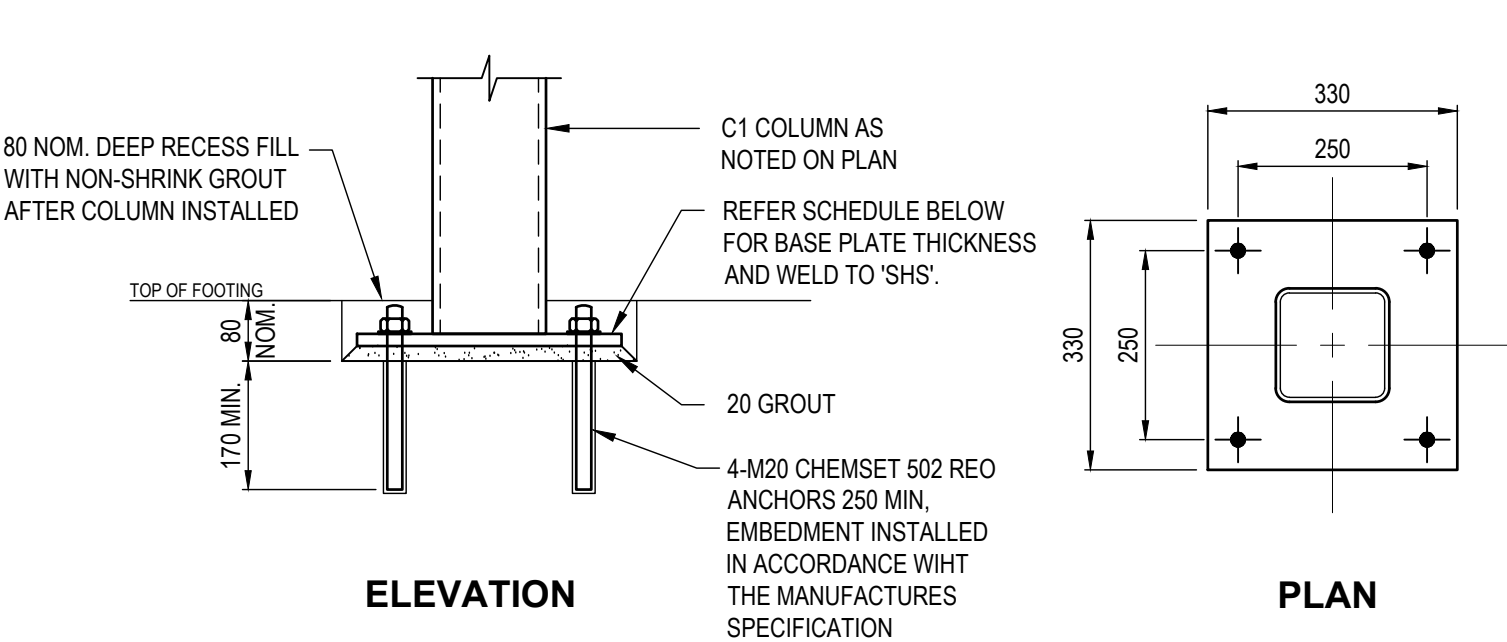
STATUS
**ISSUED FOR TENDER
NOT FOR CONSTRUCTION**

PROJECT No. 230280	DRAWING No. S06	REVISION T3
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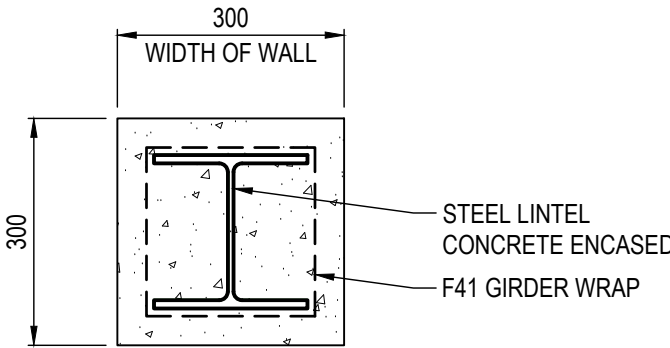
SHS COLUMN BASE PLATE SCHEDULE		
SHS SIZE	MINIMUM BASE PLATE ('A' x 'B' x 'T') AND WELD	BOLT SPACING
89 SHS	220 x 110 x 12 6mm CFW	150mm
100 SHS	270 x 130 x 12 6mm CFW	200mm
150 SHS	290 x 180 x 16 6mm CFW	220mm



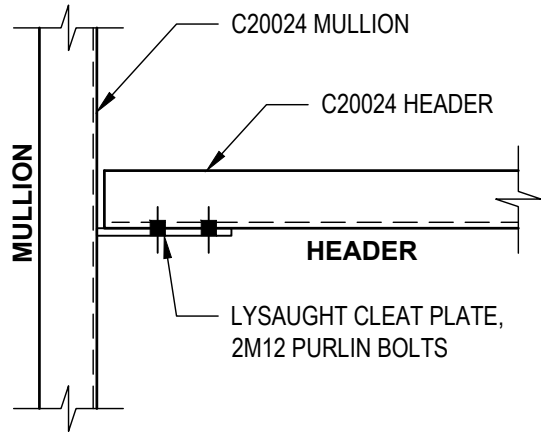
MULLION SHS BASE PLATE DETAIL
(SC1, M1, M2)
SCALE 1:10



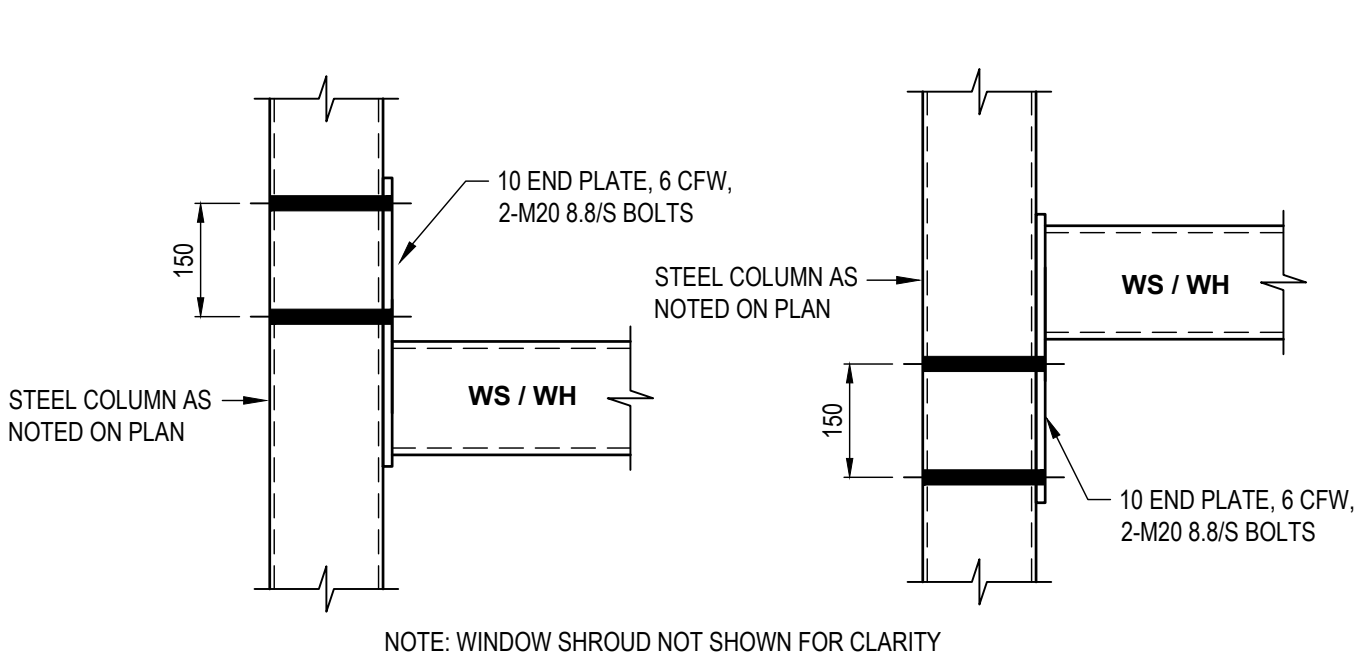
TYPICAL COLUMN BASE PLATE TO EXISTING FOOTING
SCALE 1:10



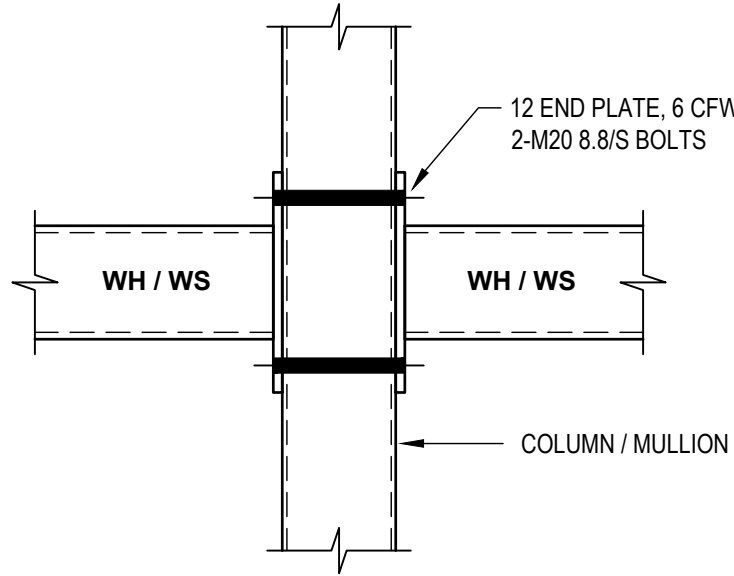
TYPICAL 'L1' STEEL LINTEL CONCRETE ENCASEMENT DETAIL
SCALE 1:10



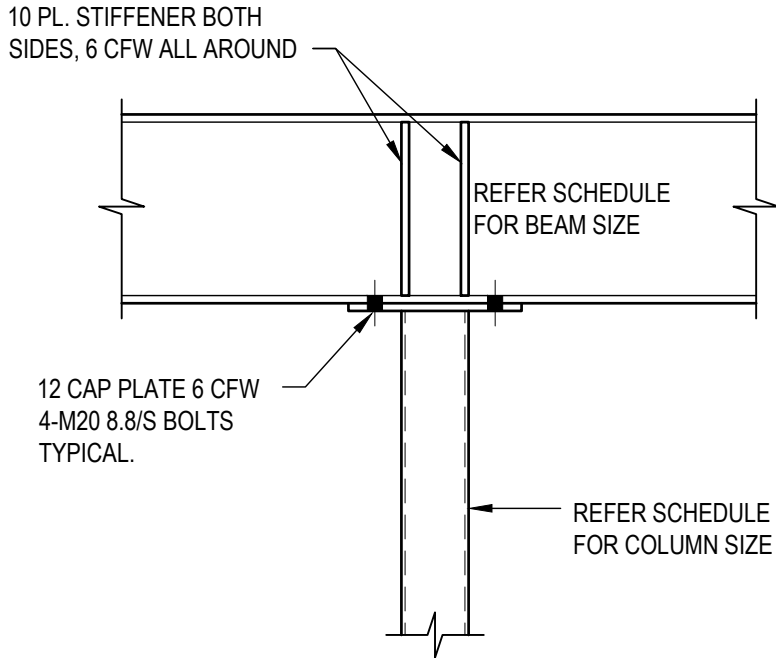
SECTION 2
SCALE 1:10
S08



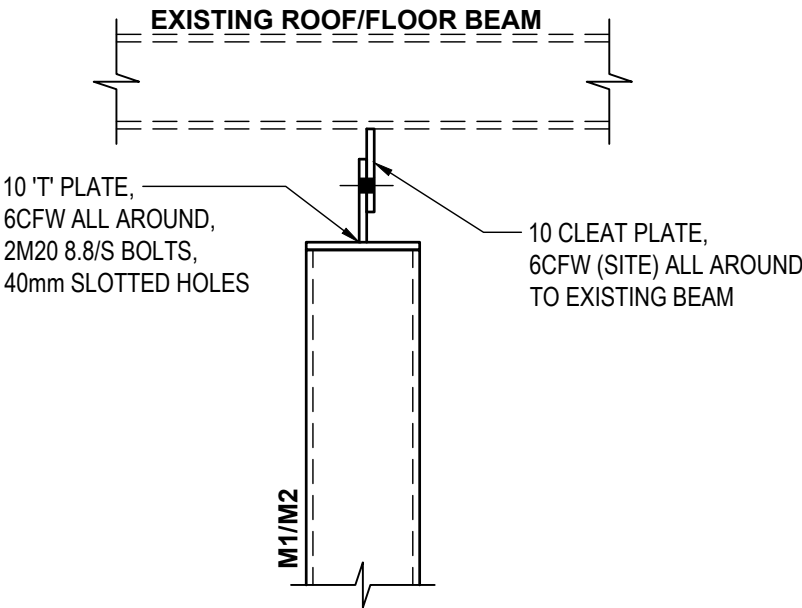
TYPICAL HEADER BEAM TO COLUMN / MULLION DETAIL
SCALE 1:10



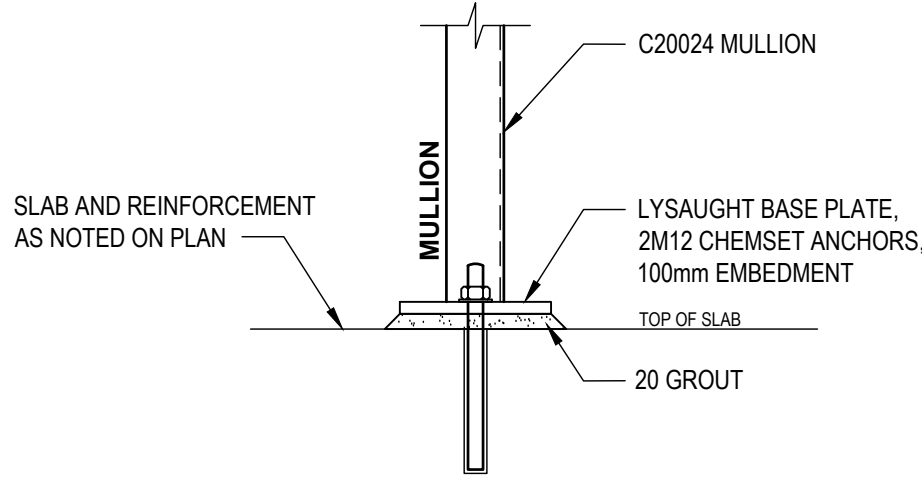
TYPICAL HEADER / SILL BEAM TO COLUMN / MULLION DETAIL
SCALE 1:10



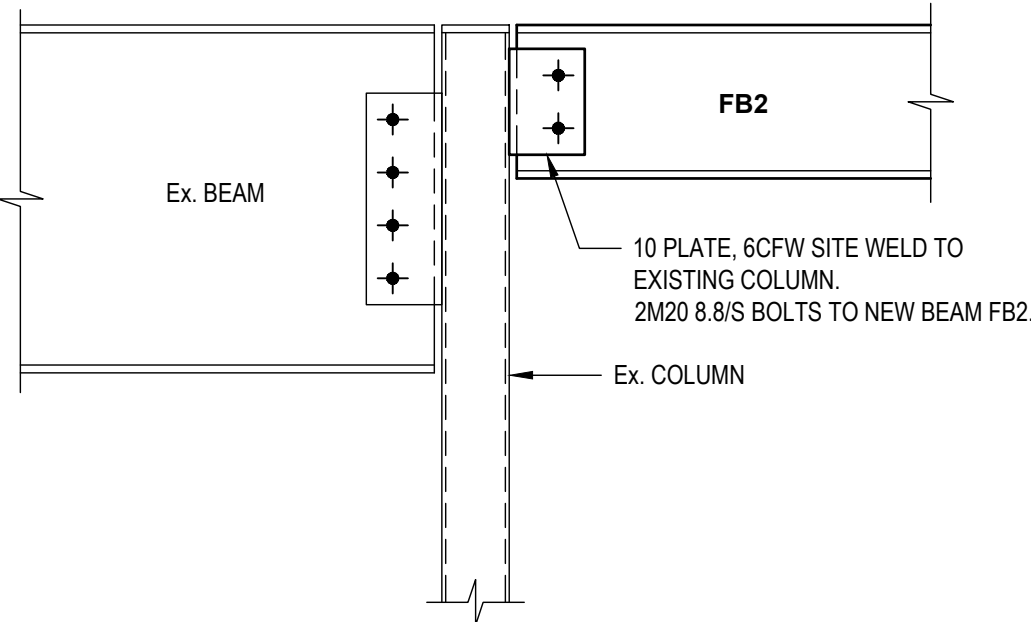
TYPICAL BEAM OVER COLUMN DETAIL
SCALE 1:10



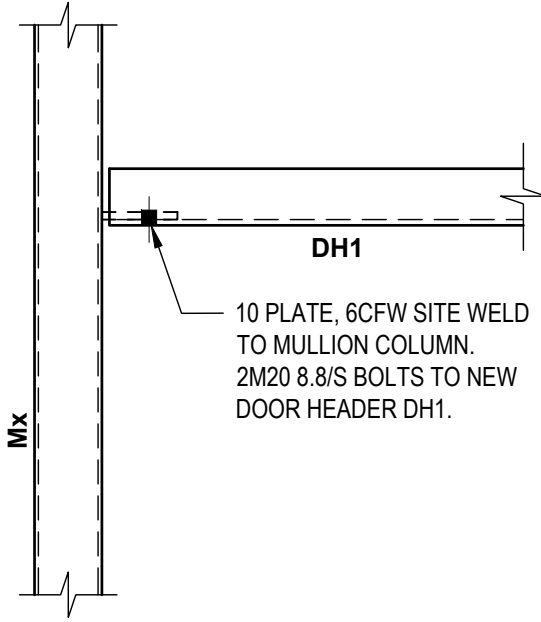
TYPICAL MULLION TO TIE/ROOF BEAM CONNECTION DETAIL
SCALE 1:10



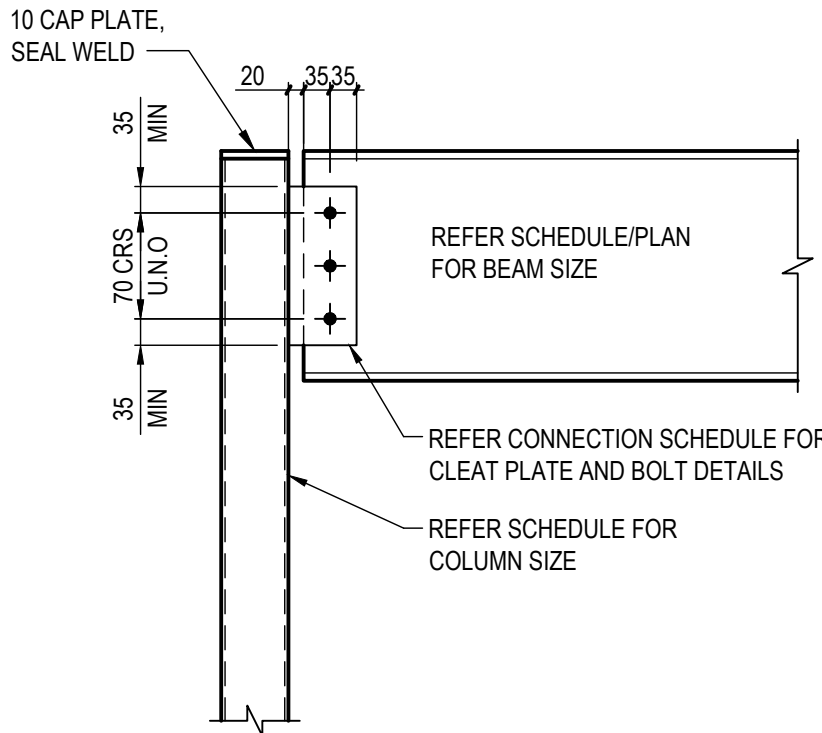
SECTION 1
SCALE 1:10
S08



EXISTING COLUMN TO 'FB2' BEAM DETAIL
SCALE 1:10

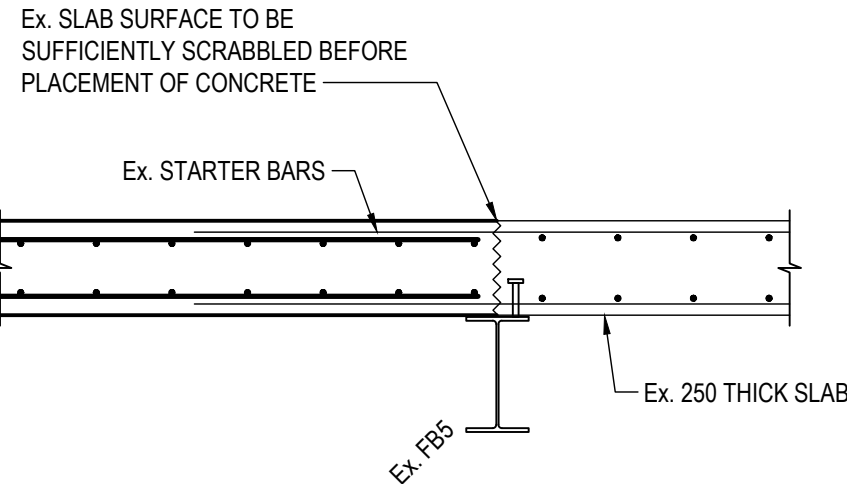


MULLION COLUMN TO DOOR HEADER 'DH1' DETAIL
SCALE 1:10

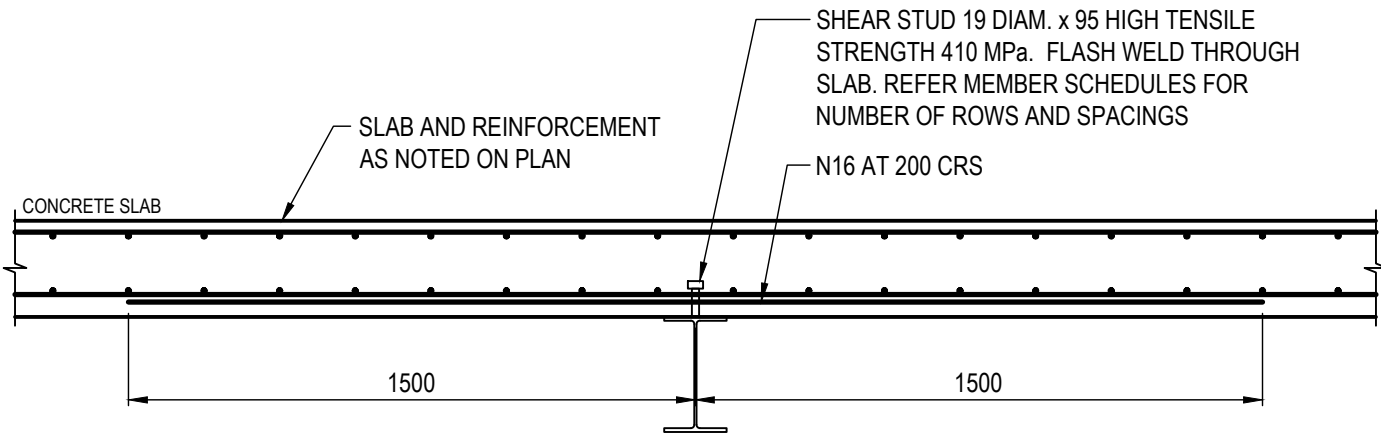


TYPICAL BEAM TO SHS COLUMN DETAIL
SCALE 1:10

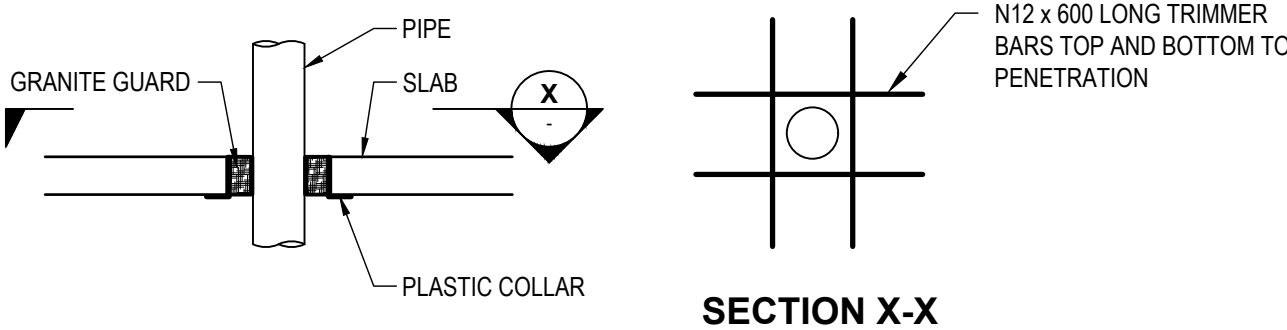
BEAM CONNECTION SCHEDULE		
BEAM SIZE	CLEAT PLATE	BOLTS
150 PFC	10 PLATE 6 CFW	2M16 8.8/S
250 UB	10 PLATE 6 CFW	2M20 8.8/S
460 UB	10 PLATE 6 CFW	5M20 8.8/S



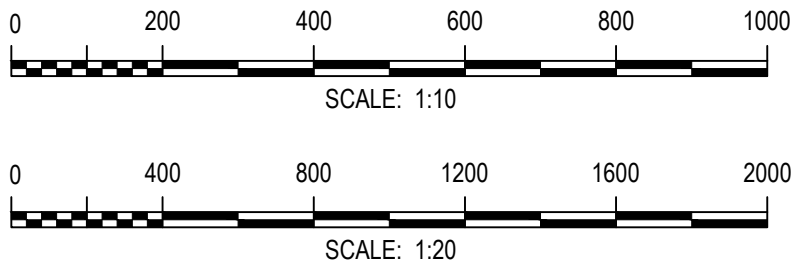
Ex. SLAB TO NEW SLAB CONNECTION DETAIL
SCALE N.T.S.



TYPICAL SHEAR STUD DETAIL
SCALE N.T.S.



TYPICAL SLAB PENETRATION
SCALE 1:20



REV	DATE	REVISION DESCRIPTION	DRAWN	CHECKED	APPROVED
T2	25/06/26	TENDER ISSUE	JB	APS	APS
T1	26/05/26	TENDER ISSUE	JB	APS	APS



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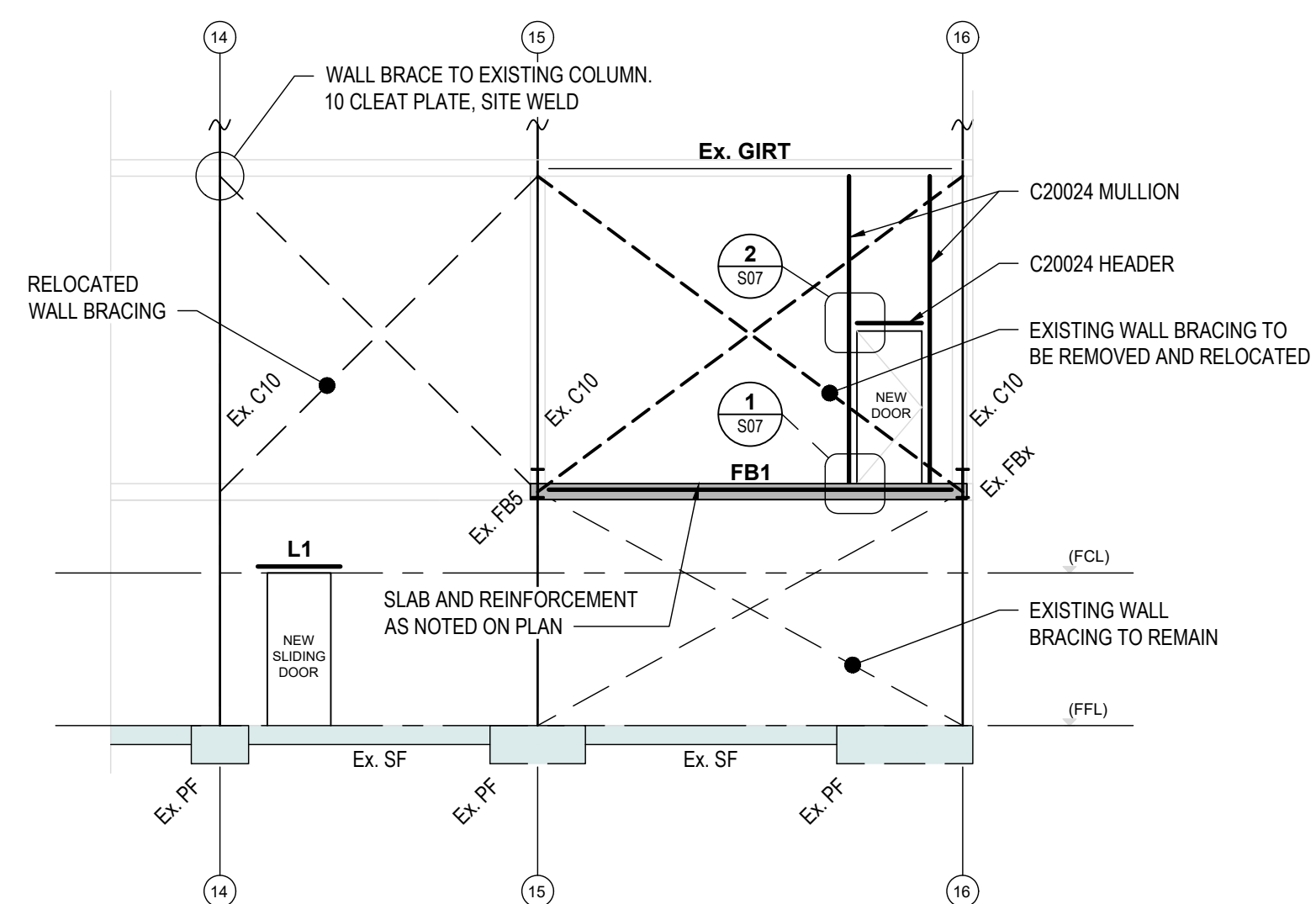
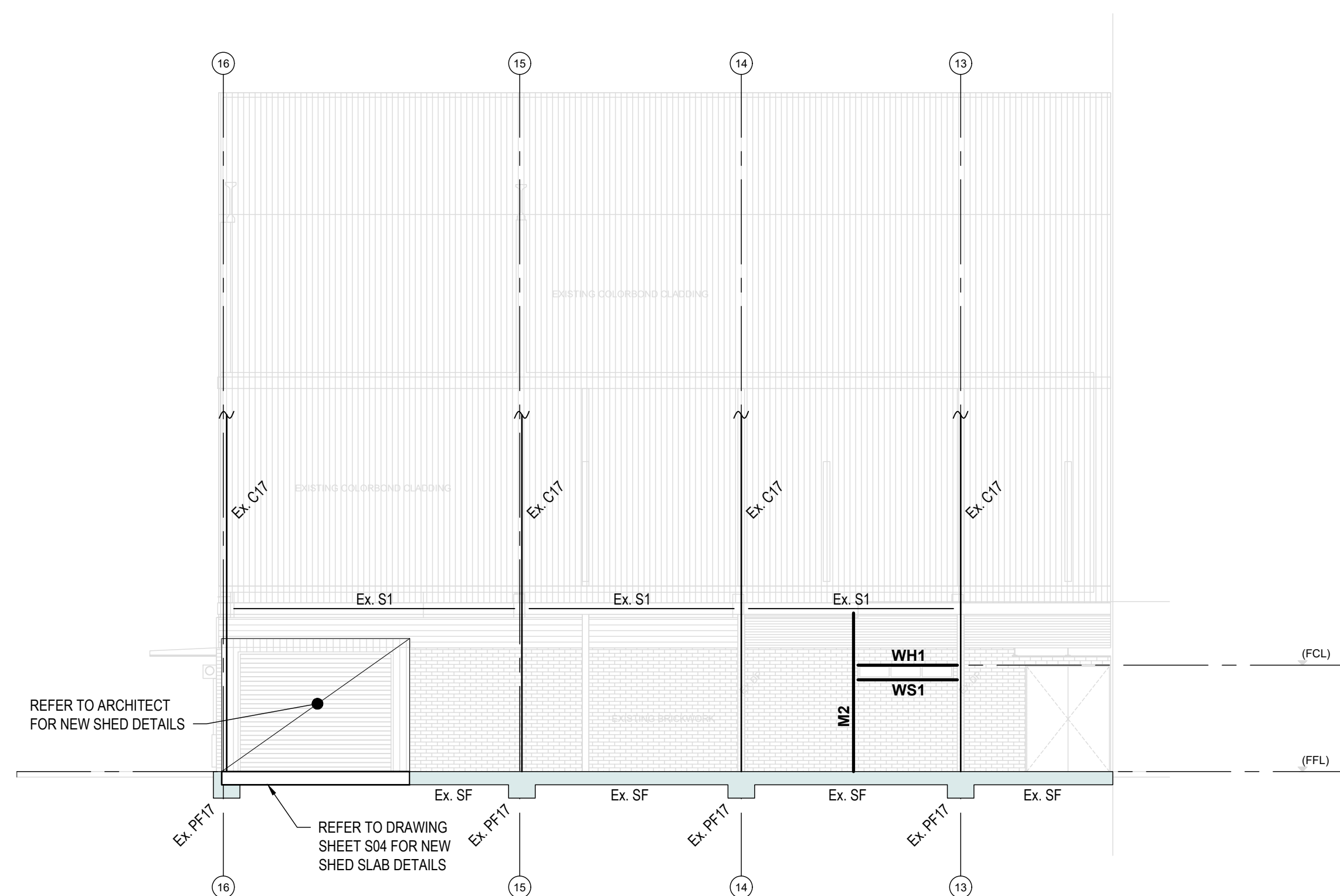
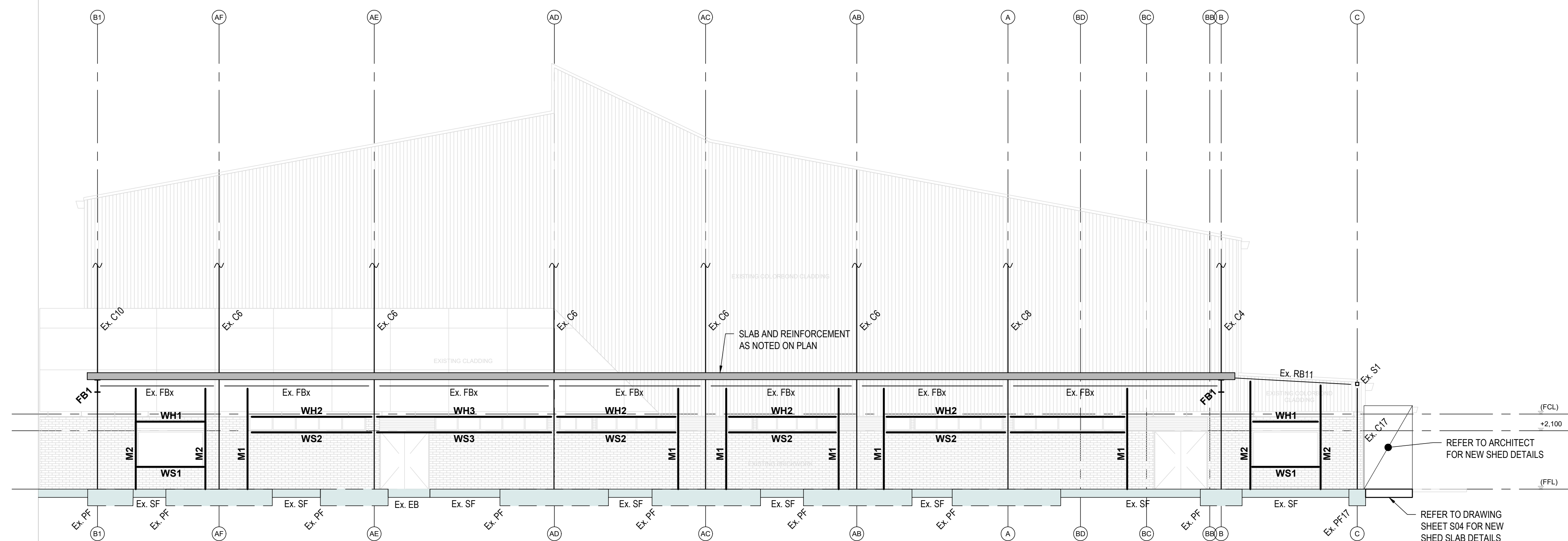
PROJECT
**WANGARATTA AQUATIC CENTRE
STRUCTURAL DESIGN**
41 SCHILLING DRIVE,
WANGARATTA, Vic. 3677

DRAWING TITLE
TYPICAL FRAMING DETAILS

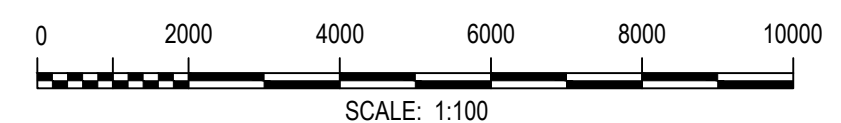
SCALE AT A1	DRAWN	DESIGNED
1:10, 1:20	J.B.	J.S.
PROJECT ENGINEER	PROJECT MANAGER	DATE FIRST ISSUE
J.S.	J.S.	18/02/2026

STATUS
**ISSUED FOR TENDER
NOT FOR CONSTRUCTION**

PROJECT No.	DRAWING No.	REVISION
230280	S07	T2



A diagram showing two overlapping circles. The left circle is labeled 'C' and contains the label 'S04'. The right circle is labeled 'S' and contains the label 'S05'. The circles overlap, with the intersection area shaded.





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PROJECT

**WANGARATTA AQUATIC CENTRE
STRUCTURAL DESIGN**

41 SCHILLING DRIVE,
WANGARATTA, Vic. 3677

DRAWING TITLE

ELEVATIONS

SCALE AT A1 1:100	DRAWN J.B.	DESIGNED J.S.
PROJECT ENGINEER J.S.	PROJECT MANAGER J.S.	DATE FIRST ISSUE 18/02/2026

STATUS

ISSUED FOR TENDER
NOT FOR CONSTRUCTION

PROJECT No.	DRAWING No.	REVISION
230280	S08	T2