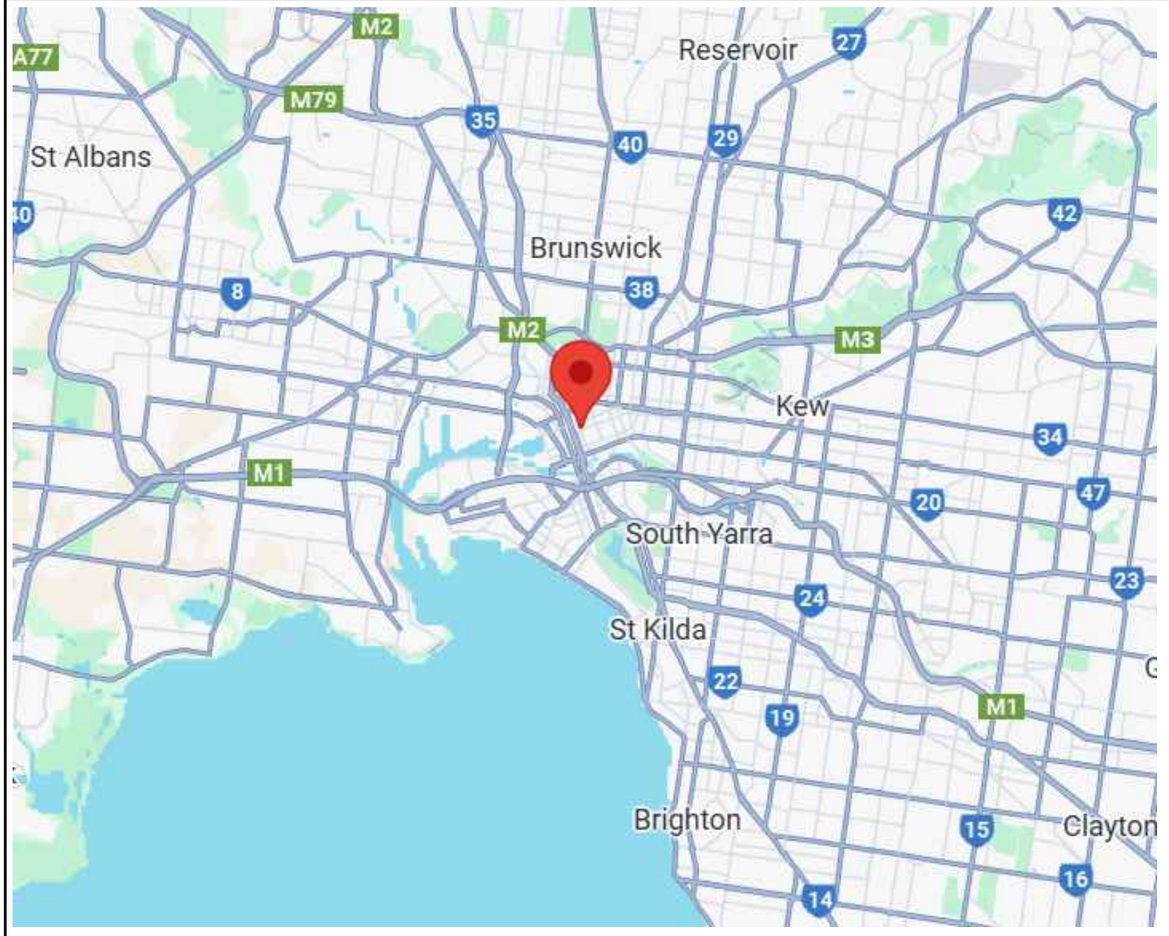
HELLENIC MUSEUM PAVILION

280 WILLIAMS ROAD, MELBOURNE

STRUCTURAL DRAWINGS

ARTIST IMPRESSION OF HELLENIC MUSEUM PAVILION BY KUD

BOT ENGINEERING



STRUCTURAL DRAWING SCHEDULE

N0.	REV N0.	DESCRIPTION
S000	I2	COVER PAGE
S001	I2	GENERAL NOTES - SHEET 1
S005	I2	EXISTING CONDITION AND DEMOLITION PLAN
S010	I2	FOUNDATION GENERAL ARRANGEMENT PLAN

CLIENT:

HELLENIC MUSEUM PAVILION

ARCHITECT:

KUD

NOTE:

THE CLIENT IS RESPONSIBLE FOR ENSURING THAT THEY REVIEW THE STATUS OF THIS DRAWING, AND ARE IN RECEIPT OF THE CURRENT REVISION PRIOR TO USE. THIS DRAWING HAS BEEN PRODUCED FOR THE NAMED CLIENT FOR USE ON THIS PROJECT ONLY AND IS NOT TO BE USED FOR ANY OTHER PURPOSE.

THESE DRAWINGS MUST BE PRINTED IN COLOUR

REVISION SCHEDULE

N0.	DESCRIPTION	DESIGNED BY	DRAWN BY	APPROVED BY	DATE
I2	FOR INFORMATION	AB	VT	DB	17/03/2025
I1	FOR INFORMATION	AB	VT	DB	11/03/2025

280 WILLIAM ROAD, MELBOURNE

COVER PAGE

ISSUE STATUS	PROJECT N0.	DRAWING N0.	ISSUE
FOR INFORMATION	**25032**	**S000**	**I2**

2 1.5 1 0.5 0 1 2 3 4 5 6 7

Reduced plot - A1 to A3 - 2 x Scale

GENERAL NOTES

G1. THESE DRAWINGS SHALL BE READ IN THEIR ENTIRETY, IN CONJUNCTION WITH ARCHITECTURAL AND OTHER CONSULTANTS DRAWINGS, SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS OR SKETCHES AS MAY BE ISSUED DURING THE DURATION OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE HEAD CONTRACTOR OR SUPERINTENDENT (IF APPLICABLE) BEFORE PROCEEDING WITH WORK

G2. MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE SPECIFICATION, CURRENT CODES, BUILDING REGULATIONS AND THE REQUIREMENTS OF ANY OTHER RELEVANT STATUTORY AUTHORITIES

G3. THESE DRAWINGS MUST NOT BE SCALED. ALL DIMENSIONS ARE IN mm AND ALL LEVELS ARE IN METRES (m) TO AUSTRALIAN HEIGHT DATUM. ALL SET OUT DIMENSIONS AND LEVELS, INCLUDING THOSE SHOWN ON THESE DRAWINGS SHALL BE IN ACCORDANCE WITH THE ARCHITECT'S DRAWINGS AND VERIFIED ON SITE

G4. THESE DRAWINGS SHALL NOT BE USED FOR CONSTRUCTION UNTIL ISSUED AS "FOR CONSTRUCTION" BY THIS OFFICE

G5. THE CONTRACTOR RETAINS RESPONSIBILITY OF THE WORKS EVEN IF THE ENGINEER HAS INSPECTED THE WORK DURING CONSTRUCTION

G6. IF THE CONTRACTOR INTENDS TO VARY THE SCOPE OR METHOD OF WORKS OR MATERIAL USED, THE CONTRACTOR SHALL SUBMIT FULL DETAILS OF THE PROPOSAL TO THE DESIGN SUPERINTENDENT FOR DESIGN CHECK

G7. ALL PROPRIETARY PRODUCTS SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS

G8. THE CONTRACTOR/BUILDER AND ALL CONSULTANTS ARE RESPONSIBLE FOR MAINTAINING THE STRUCTURE AND ANY ADJACENT STRUCTURES IN A SAFE AND STABLE CONDITION AT ALL TIMES DURING CONSTRUCTION

G9. AT ALL TIME DURING CONSTRUCTION, THE CONTRACTOR/BUILDER SHALL BE RESPONSIBLE FOR ENSURING THAT NO PART OF THE STRUCTURE OR SURROUNDING STRUCTURES IS OVERLOADED UNDER THE PROPOSED CONSTRUCTION ACTIVITIES

G10. THE APPROVAL OF A SUBSTITUTION OR CHANGE IN THE SCOPE OR METHOD OF WORKS SHALL BE REQUESTED FROM THE HEAD CONTRACTOR OR SUPERINTENDENT (IF APPLICABLE) BUT IS NOT AN AUTHORISATION OF A COST OR TIME VARIATION. THE HEAD CONTRACTOR OR SUPERINTENDENT MUST APPROVE ANY COST OR TIME VARIATION INVOLVED BEFORE ANY WORK STARTS

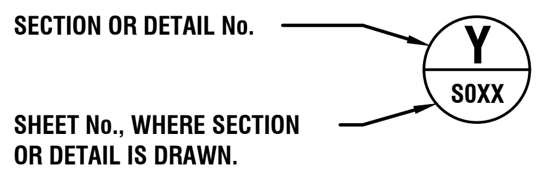
G11. WHEN A PROPRIETARY PRODUCT IS NOMIANTED, THE BUILDER/CONTRACTOR MAY CHOOSE TO PROPOSE AN ALTERNATIVE PRODUCT OF EQUIVALENT PERFORMANCE TO THE SPECIFIED PRODUCT. THE ALTERNATIVE PRODUCT'S SPECIFICATIONS SHALL BE SUBMITTED TO BOT ENGINEERING FOR REVIEW AND APPROVAL PRIOR TO PROCEEDING. THE CONTRACTOR SHALL INSTALL ALL PROPRIETARY PRODUCTS STRICTLY IN ACCORDANCE WITH MANUFACTURER'S DESIGN SPECIFICATIONS AND INSTALLATION MANUALS

G12. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THE PLANNING AND IMPLEMENTATION OF STRIPPING, REMOVAL OF FORMWORK AND BACKPROPPING SUCH THAT THERE SHALL BE NO DETRIMENTAL EFFECTS ON THE CAST MEMBERS' INTENDED USE.

G13. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ALL WORKS. INSPECTIONS CARRIED OUT BY BOT ENGINEERING OR ANY OTHER ENGINEER DURING CONSTRUCTION DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY.

G14. ALL TESTS REQUIRED TO COMPLETE AND APPROVE THE WORKS SHALL BE AT THE CONTRACTOR'S COSTS.

BOT ENGINEERING DOCUMENTATION DETAILS AND SECTIONS ON THESE DRAWINGS ARE CROSS-REFERENCED BY THE FOLLOWING SYSTEM:



HEALTH AND SAFETY IN DESIGN

H1 THE OBLIGATION OF BOT ENGINEERING PTY LTD AS THE DESIGN ENGINEER IS LIMITED TO ENSURING THAT THOSE PARTS OF THE STRUCTURE THAT ARE TO BE USED AS A WORKPLACE ARE, AS FAR AS REASONABLY PRACTICABLE, DESIGNED TO BE SAFE AND WITHOUT RISKS TO THE HEALTH OF THOSE PERSONS USING THE STRUCTURE AS A WORKPLACE FOR THE PURPOSE FOR WHICH IT WAS DESIGNED IN ACCORDANCE WITH THE RELEVANT SECTIONS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT 2004 (VIC).

H2. THE CONTRACTOR SHALL DEVELOP, IMPLEMENT AND ADMINISTER A WORKPLACE HEALTH AND SAFETY PROGRAM THAT COMPLIES WITH THE RELEVANT WORKPLACE HEALTH AND SAFETY REQUIREMENTS AND ALL OTHER RELEVANT AUTHORITY REQUIREMENTS.

H3. BOT ENGINEERING HAS DESIGNED THE STRUCTURE FOR THE FINAL CONDITION ONLY. IT IS RECOMMENDED THAT THE CONTRACTOR OBTAIN QUALIFIED ENGINEERING ADVICE TO ENSURE THE STRUCTURE IS NOT OVERLOADED OR UNSTABLE DURING CONSTRUCTION. ADDITIONAL LATERAL BRACING AND STABILITY MEASURES MAY BE REQUIRED AND SHALL BE DESIGNED BY A QUALIFIED ENGINEER.

H4. STRUCTURAL STEEL HAS BEEN DESIGNED FOR THE FINAL CONDITION ONLY. IT IS RECOMMENDED THAT THE CONTRACTOR OBTAIN QUALIFIED ENGINEERING ADVICE TO ENSURE THE STRUCTURAL STEEL IS NOT OVERLOADED OR UNSTABLE DURING ALL OTHER TEMPORARY CONDITIONS SUCH AS FABRICATION, TRANSPORT, ERECTION AND TEMPORARY SUPPORT.

H5. BOT ENGINEERING HAS DESIGNED THE FLOORS FOR THE FINAL CONDITION ONLY.

H6. BOT ENGINEERING IS NOT RESPONSIBLE FOR THE OCCUPATIONAL HEALTH AND SAFETY OF PERSONS AT THE SITE AS THOSE OBLIGATIONS RESIDE WITH THE CONTRACTORS AND/OR SUBCONTRACTORS WHO OCCUPY OR HAVE CONTROL OF THE SITE IN ACCORDANCE WITH APPLICABLE OCCUPATIONAL HEALTH AND SAFETY LEGISLATION, CODES OR PRACTICE, GUIDANCE NOTES, AUSTRALIAN STANDARDS AND OTHER RELEVANT DOCUMENTATION.

H7. ANY ADVICE OR GUIDANCE CONCERNING OCCUPATIONAL HEALTH AND SAFETY ISSUES ARISING AT THE SITE SHOULD BE DIRECTED TO THE HEALTH AND SAFETY EXECUTIVE OR OFFICER NOMINATED FOR THE PROJECT

SITE WORK AND MAINTENANCE NOTES

W1. ADEQUATE DRAINAGE SHALL BE PROVIDED TO PREVENT WATER PONDING OR COLLECTING ADJACENT TO THE WORKS. LANDSCAPE AND IRRIGATION WORKS SHALL NOT BE LOCATED AGAINST THE BUILDING PERIMETER. SATURATION OF GROUND FOR LANDSCAPING IS NOT PERMITTED.

W2. TRENCHES UNDER OR ADJACENT TO THE WORKS SHALL BE BACKFILLED WITH COMPACTED CLAY OR CONCRETE TRENCHES PARALLEL TO THE EDGE OF A STRUCTURE SHALL BE OFFSET A DISTANCE AT LEAST EQUAL TO THE DEPTH OF THE TRENCH EXCAVATION.

W3. ROOF GUTTERS, DOWN PIPES, STORM WATER AND SEWERAGE DRAINAGE SHALL BE MAINTAINED TO PREVENT OVERFLOWS. ANY LEAKS SHALL BE PROMPTLY REPAIRED.

W4. THE PLANTING OF TREES AND LARGE SHRUBS AND GENERAL SITE MAINTENANCE SHALL COMPLY WITH THE REQUIREMENTS OF AS2870 AND CSIRO PUBLICATION SHEET "GUIDE TO HOMEOWNERS ON FOUNDATION MAINTENANCE AND FOOTING PERFORMANCE". THE BUILDER SHALL NOTIFY THE OWNER OF THESE REQUIREMENTS ON COMPLETION OF THE PROJECT

BULK EXCAVATION NOTES

B1. PROPOSED CONSTRUCTION SEQUENCES AND PROCEDURES REPRESENTED ON THE STRUCTURAL DRAWINGS ARE INDICATIVE ONLY AND ARE SUBJECT TO CONFIRMATION / MODIFICATION IN ACCORDANCE WITH THE RECOMMENDATIONS FROM THE GEOTECHNICAL CONSULTANT.

B2. THE CONTRACTOR IS TO NOTIFY ALL SERVICE AUTHORITIES AND ARRANGE FOR DISCONNECTION OF SERVICES OR SUPPLY AS APPLICABLE AND DO ALL CUTTING, DISCONNECTION OR SEALING OFF OF SERVICES AND DRAINS AS REQUIRED. SERVICES OR SUPPLY LINES THAT ARE TO BE RETAINED SHALL REMAIN UNDAMAGED AND GIVEN ALL NECESSARY PROTECTION.

B3. ALL LEVELS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY AND ARE TO BE VERIFIED BY THE CONTRACTOR/ARCHITECT PRIOR TO CONSTRUCTION. WHERE DISCREPANCIES ARE IDENTIFIED BETWEEN THE CONDITIONS REPRESENTED ON THE DRAWINGS AND THE ACTUAL CONDITIONS ENCOUNTERED ON-SITE, WRITTEN NOTICE OF THE DISCREPANCIES IS TO BE COORDINATED WITH BOT ENGINEERING PRIOR TO PROCEEDING WITH THE PROPOSED SCOPE OF WORKS.

B4. THE CONTRACTOR SHALL CHECK AND CONFIRM THE LOCATION OF ALL EXISTING SERVICES AND TAKE ALL NECESSARY PRECAUTIONARY MEASURES PRIOR TO COMMENCING WORK.

B5. THE BULK EXCAVATION SHALL BE CARRIED OUT TO THE BULK EXCAVATION PROFILE ON THE DRAWINGS. UNLESS AUTHORISED BY THE ENGINEER OVER-EXCAVATIONS SHALL NOT BE CLAIMED AS A VARIATION. SUCH EXCESS EXCAVATIONS SHALL BE FILLED WITH 3% CEMENT STABILISED SAND UNLESS COMPACTED BACKFILLING IS APPROVED BY THE ENGINEER.

B6. THE BUILDER AND THE SUB-CONTRACTORS ASSOCIATED WITH THE IN-GROUNDWORK SHALL REFER TO GEOTECHNICAL FOUNDATION INVESTIGATION REPORT. IT IS RECOMMENDED THAT THE GEOTECHNICAL AND STRUCTURAL ENGINEER SHALL INSPECT AND APPROVE BATTERS IN EACH ELEVATION.

B7. BOT ENGINEERING SHALL BE ADVISED IMMEDIATELY IF ANY GROUND WATER IS ENCOUNTERED ON SITE, OR AT ANY OTHER STAGE WHERE MATERIALS DIFFERING FROM THOSE NOTED IN THE REPORT AND OBSERVED IN THE EXCAVATION SCOPE FOR THE PROJECT.

B8. THE CONTRACTOR SHALL IMPLEMENT ALL BRACING NECESSARY TO RETAIN SOIL, ROADS, PAVEMENTS, WALLS AND FOOTINGS OF ADJOINING PROPERTIES AND PREVENT CAVING, UNDERMINING AND DISPLACEMENT OF ADJACENT SOIL OR STRUCTURES AT ALL TIMES.

B9. IF APPLICABLE, THE TOP EDGE OF BATTERS AND ACCESS RAMPS SHALL BE PROTECTED BY CATCH DRAIN OR OTHER EQUIVALENT METHODS TO PREVENT SURFACE RUN-OFF ENTERING THE EXCAVATION.

B10. IF WATER INGRESS / SEEPAGE FROM EXISTING UN-GROUTED BOREHOLES, CPT TEST LOCATIONS OR OTHER PAST EXCAVATIONS IS OBSERVED ON-SITE, THE CONTRACTOR IS TO ADVISE THE GEOTECHNICAL CONSULTANT AND ARRANGE FOR THE EXISTING PENETRATIONS TO BE DRILLED OUT TO AN AGREED DEPTH AND GROUTED.

B11. BENEATH PAVEMENTS A NON-EXPANSIVE APPROVED SELECT FILL SHALL BE PLACED WHERE REQUIRED IN UNIFORM LAYERS NOT EXCEEDING 200mm LOOSE THICKNESS AND COMPACTED TO ACHIEVE A MINIMUM DRY DENSITY RATIO OF 100% OR AS SPECIFIED WITHIN THE SITE-SPECIFIC GEOTECHNICAL REPORT.

B12. SURPLUS SPOIL TO BE REMOVED FROM SITE.

B13. ALL CONTAMINATED MATERIAL SHALL BE IDENTIFIED AND REMOVED FROM SITE IN ACCORDANCE WITH THE RELEVANT AUTHORITY REQUIREMENTS.

B14. TOPSOIL TO BE STOCKPILED FOR FUTURE LANDSCAPING USE.

B15. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF ALL TEMPORARY WORKS REQUIRE TO FACILITATE THE CONSTRUCTION OF THE FOUNDATIONS AND ASSOCIATED BELOW GROUND STRUCTURE. ALL SUCH TEMPORARY WORKS SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE RELEVANT AUSTRALIAN STANDARDS AND NATIONAL CONSTRUCTION CODES

DEMOLITION NOTES — IN ACCORDANCE WITH AS2601

D1. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANTS' DRAWINGS, ARCHITECTURAL DRAWINGS, STRUCTURAL DRAWINGS AND SPECIFICATIONS

D2. INDICATIVE CONFIGURATIONS OF EXISTING STRUCTURAL ELEMENTS REPRESENTED ON THESE DRAWINGS ARE BASED ON INFORMATION PRESENTED ON THE EXISTING CONDITIONS FLOORS PLANS PREPARED BY THE ARCHITECT BASED ON SURVEY DRAWINGS.

D3. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING STRUCTURAL CONDITIONS PRIOR TO COMMENCEMENT OF DEMOLITION OF EXISTING STRUCTURE. WHERE DISCREPANCIES ARISE BETWEEN DRAWINGS AND ACTUAL CONDITIONS ENCOUNTERED ON SITE, THE CONTRACTOR SHALL CONTACT BOT ENGINEERING FOR FURTHER ADVICE.

D4. THE CONTRACTOR MUST TAKE ALL NECESSARY PRECAUTIONS BEFORE AND DURING DEMOLITION WORKS. ALL PROPPING OR PROPRIETARY PRODUCTS USED DURING THE DEMOLITION OR CONSTRUCTION PHASE MUST BE INSTALLED STRICTLY IN ACCORDANCE WITH MANUFACTURERS DESIGN SPECIFICATIONS AND DESIGN MANUALS.

D5. ALL DEMOLITION WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH APPROVED SEQUENCES THAT MAINTAINS THE STRUCTURE IN A SAFE AND STABLE CONDITION AT ALL TIMES.

D6. ALL ELECTRICAL CABLES AND OTHER SERVICES SHALL BE DISCONNECTED PRIOR TO THE COMMENCEMENT OF DEMOLITION WORKS.

D7. THE WORK SITE NEEDS TO HAVE ADEQUATE PERIMETER PROTECTION TO PREVENT UNAUTHORISED PUBLIC ACCESS AND ENSURE ALL ADJOINING PROPERTIES ARE ADEQUATELY GUARDED FROM LOOSE DEBRIS.

D8. PROPPING AND SCAFFOLD SOLE PLATES MUST BE SIZED TO EVENLY TRANSFER THE APPLIED LOADS TO THE FOUNDATION.

D9. ENSURE THAT ALL ADJUSTABLE BASES OR BASE PLATES ARE IN FULL CONTACT WITH THEIR SUPPORTS.

D10. IT IS RECOMMENDED TO HAVE NOTICES DISPLAYING 'DANGER DEMOLITION WORKS IN PROGRESS' OR SIMILAR ARE TO BE FIXED
TO THE HOARDING.

D11. THE EXTENT OF THE DEMOLITION OF EXISTING STRUCTURE (REPRESENTED ON THESE DRAWINGS) IS INDICATIVE ONLY. THE CONTRACTOR IS TO REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONAL AND SETOUT INFORMATION.

D12. THE DEMOLITION DRAWINGS PREPARED BY BOT ENGINEERING 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.

D13. NO WALL, CHIMNEY OR OTHER SIMILAR STRUCTURE SHALL BE LEFT UNSUPPORTED IN SUCH A DANGEROUS CONDITION IT MAY COLLAPSE DUE TO WIND OR VIBRATIONS.

D14. TEMPORARY PROPPING DESIGNED BY BOT ENGINEERING SHALL BE INSTALLED WHERE NECESSARY TO SUPPORT ANY STRUCTURAL ELEMENTS WHERE THE EXISTING CONDITIONS HAVE BEEN ALTERED DURING THE DEMOLITION PHASE.

D15. THE CONTRACTOR IS TO CO-ORDINATE THE LOCATION & SIZE OF SERVICES PENETRATIONS & PROVIDE SET OUT FOR REVIEW BY THE STRUCTURAL ENGINEER PRIOR TO DEMOLITION.

D16. IT IS THE CONTRACTOR'S RESPONSIBILITY TO USE APPROPRIATE DEMOLITION SEQUENCES, PROCEDURES AND METHODS TO ENSURE THAT DEMOLITION WORKS DO NOT DISTURB OR ADVERSELY IMPACT THE STRUCTURAL INTEGRITY OF ANY ADJOINING PROPERTY.

D17. THE CONTRACTOR SHALL ENSURE THE STRUCTURE REMAINS IN A STABLE CONDITION AT ALL TIMES.

D18. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE ALL LOOSE AND UNSTABLE BUILDING COMPONENTS DURING THE DEMOLITION PROCESS

D19. STRUCTURAL ELEMENTS THAT RESULT IN EXPOSED REINFORCEMENT BEING VISIBLE ARE TO BE PROTECTED/COATED BY A HIGH STRENGTH EPOXY OR EQUIVALENT PRODUCT.

TEMPORARY WORK NOTES

TW1. TEMPORARY WORKS REQUIREMENTS DURING CONSTRUCTION PHASE IS THE RESPONSIBILITY OF THE CONTRACTOR AND DOES NOT FORM PART OF BOT ENGINEERING DESIGN PACKAGE UNLESS SEPARATELY AGREED.

TW2. THE DESIGN, FABRICATION, ERECTION AND REMOVAL OF ALL TEMPORARY WORKS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR / BUILDER AND IS TO BE DESIGNED AND DOCUMENTED BY A SUITABLY QUALIFIED ENGINEER.

TW3. THE DESIGN MUST CONSIDER THE TEMPORARY STABILITY OF THE PARTIALLY COMPLETED STRUCTURE AND ADJACENT INFRASTRUCTURE TAKING INTO ACCOUNT ALL EXISTING AND PROPOSED BELOW GROUND SERVICES AND AREAS.

TW4. PRIOR TO COMMENCING THE WORKS THE BUILDER/ CONTRACTOR IS TO INSTALL ALL NECESSARY TEMPORARY SOLUTIONS AND BRACING TO MAINTAIN STRUCTURAL STABILITY DURING THE WORKS AND TO ENSURE THAT THE STRUCTURE DOES NOT BECOME OVERSTRESSED, UNSTABLE OR DAMAGED DURING THE WORKS.

TW5. IF THERE IS A REQUIREMENT TO TRANSFER LOADS INTO THE PERMANENT STRUCTURE AT ANY TIME DURING THE CONSTRUCTION PHASE, THE BUILDER/CONTRACTOR SHALL COORDINATE THE PROPOSED TEMPORARY DESIGN SOLUTION AND PROVIDE ENOUGH INFORMATION AND COMPUTATIONS FOR APPROVAL BY BOT ENGINEERING THAT THE PERMANENT STRUCTURE CAN ADEQUATELY SUPPORT THE INDUCED LOADS IN THE TEMPORARY CONDITION.

CONCRETE NOTES — IN ACCORDANCE WITH AS3600

C1. ALL CONCRETE SIZES AND GRADES NOMINATED ARE MINIMUM AND DO NOT INCLUDE FLOOR FINISHES.

C2. ALL MATERIALS, WORKMANSHIP, HANDLING AND PLACEMENT SHALL BE IN ACCORDANCE WITH THE RELEVANT AUSTRALIAN STANDARDS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.

C3. REFER TO ARCHITECTURAL DOCUMENTATION & SPECIFICATIONS FOR CLASS OF CONCRETE FINISHES.

C4. NO HOLES, CHASES OR EMBEDMENT OTHER THAN THOSE SHOWN ON THE DRAWINGS SHALL BE MADE IN CONCRETE ELEMENTS WITHOUT BOT ENGINEERING'S REVIEW AND APPROVAL.

C5. MINIMUM DEPTHS OF BEAMS ARE GIVEN FIRST AND INCLUDE SLAB THICKNESS, SLABS AND BEAMS SHALL BE CAST TOGETHER UNLESS OTHERWISE NOTED.

C6. ALL CONCRETE SHALL BE KEPT FREE OF SUPPORTING MASONRY WITH TWO LAYERS OF SUITABLE MEMBRANE (MALTHOID OR EQUIVALENT). VERTICAL FACES SHALL BE SEPARATED BY 12mm BITUMINOUS CANITE (OR EQUIVALENT).

C7. CONSTRUCTION JOINTS SHALL BE LOCATED TO THE SATISFACTION OF BOT ENGINEERING OR THE SLAB D&C ENGINEER. IT IS RECOMMENDED THAT THE BUILDER SHALL ALLOW FOR ALL NECESSARY CONSTRUCTION JOINTS.

C8. REINFORCEMENT IS SHOWN DIAGRAMMATICALLY AND IS NOT NECESSARILY IN IS TRUE FINAL CONDITION. SPLICES TO REINFORCEMENT SHALL BE MADE ONLY AT THE LOCATION SHOWN OR AS OTHERWISE APPROVED BY BOT ENGINEERING.

C9. ALL REINFORCEMENT COVER IS TO BE PLACED STRICTLY IN ACCORDANCE WITH SECTION 4 – DESIGN FOR DURABILITY REQUIREMENTS IN AS3600. WHERE COVER IS NOT SPECIFIED SPECIFICALLY, THE CONTRACTOR OR BUILDER IS TO OBTAIN INSTRUCTION FROM BOT ENGINEERING TO ENSURE COMPLIANCE.

C10. COVER IS THE CLEAR DISTANCE BETWEEN ANY REINFORCING AND THE FACE OF THE STRUCTURAL ELEMENT.

C11. FOR ALL EXTERNAL & EXPOSED SURFACES TIE WIRE SHALL NOT BE NAILED TO ANY FORM-WORK. IT IS RECOMMENDED THAT PLASTIC BAR CHAIRS ARE UTILISED.

C12. THE COVERS SHALL BE MAINTAINED USING APPROVED BAR CHAIRS AT ALL TIMES PRE AND DURING THE PLACEMENT OF WET CONCRETE. IN SLABS THE BAR CHAIRS SHALL BE AT A MAXIMUM 800 x 800mm C/C. BAR CHAIRS SHALL BE PROVIDED ALONG THE EDGES OF ALL CONSTRUCTION JOINTS.

C13. EXTERNAL ELEMENTS ARE THOSE EXPOSED TO WEATHER, RAIN AND WATER PENETRATION AND ARE CLASSIFIED B1 UNO.

C14. ALL SUPPLIED CONCRETE FOR THIS PROJECT SHALL HAVE AN ADEQUATE SLUMP OF 80mm AND A MAXIMUM NOMINAL AGGREGATE SIZE OF 20mm..

C15. EXTERNAL/EXPOSED CONCRETE ELEMENTS ARE TO MEAT INDUSTRY STANDARDS AND REQUIREMENTS AS OUTLINED THROUGHOUT AS3600 – CONCRETE STRUCTURES. WHERE A PREFERRED OR ALTERNATIVE CONCRETE PRODUCT IS TO BE USED, THE CONTRACTOR /BUILDER IS TO SEEK WRITTEN CONFIRMATION FROM BOT ENGINEERING PRIOR TO CASTING THE CONCRETE PRODUCT.

C16. CONDUITS AND PIPES WHEN CAST IN SLABS OR WALLS ARE TO BE PLACED BETWEEN THE TWO REINFORCEMENT LAYERS. WHERE THERE IS ONLY ONE LAYER OF REINFORCEMENT, PROVIDE 50mm COVER TO ANY CONDUIT.

C17. PROVIDE MINIMUM 3 x DIAMETER CLEARANCE BETWEEN CONDUITS IN ALL LOCATIONS.

C18. WHERE DISTRIBUTION BARS TO MAIN REINFORCEMENT ARE NOT SHOWN ON DRAWINGS PROVIDE MINIMUM N16 AT 400 CENTRES, LAPPED 500mm AT SPLICES THROUGHOUT THE PROJECT. BOT CAN SHOW THESE DETAILS ON DRAWINGS OR PROVIDE FURTHER INSTRUCTION UPON REQUEST OF THE CONTRACTOR/BUILDER DURING THE CONSTRUCTION PHASE SCOPE.

C19. STRIPPING AND BACK PROPPING OF SUSPENDED CONCRETE SOFFITS SHALL NOT OCCUR UNTIL CONCRETE HAS REACHED 75% OF SPECIFIED STRENGTH. ALL TEMPORARY ENGINEERING FOR THE MANAGEMENT OF CONCRETE PLACEMENT ON SITE IS TO BE DESIGNED AND DETAILED BY A QUALIFIED ENGINEER.

C20. NO MASONRY/CONCRETE WALLS SHALL BE BUILT ON SUSPENDED ELEMENTS UNTIL REMOVAL OF ALL FORMS AND PROPS TO ENSURE A SUFFICIENT SUBSTRATE IS APPLICABLE FOR THE WALL OVER.

C21. REFER TO THE TEMPORARY ENGINEER FOR MINIMUM BACK-PROPPING REQUIREMENTS OF ANY MULTI-STOREY BUILDINGS.

C22. WHERE DRILL & EPOXY GROUT IS CALLED UP ON THE DRAWINGS USE RAMSET CHEMSET REO 502 INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION OR AN APPROVED EQUIVALENT - UNO.

C23. SUPPLIERS AND MANUFACTURERS OF STEEL PRODUCTS TO THE FOLLOWING AUSTRALIAN STANDARDS MUST BE CERTIFIED BY ACRS (AUSTRALIAN CERTIFICATION AUTHORITY FOR REINFORCING STEEL LTD) OR AN EQUIVALENT THIRD PARTY PRODUCT CERTIFICATIONS SYSTEM AS MAY BE APPROVED IN WRITING BY THE SPECIFIER.

C24. WHERE SOFFIT OF CONCRETE IS EXPOSED, STAPLING OF CHAIRS SHALL NOT BE PERMITTED AND NON-FERROUS BAR CHAIRS SHALL BE USED.

C25. CONCRETE IS TO HAVE A MAXIMUM SHRINKAGE STRAIN OF 600 MICROSTRAIN.

CONCRETE TESTING SHALL COMPLY WITH THE REQUIREMENTS OF AS1379 FOR PROJECT ASSESSMENT.

C26. FREE DROPPING OF CONCRETE FROM A HEIGHT GREATER THAN 1000mm IS NOT PERMITTED.

C27. SURFACES RECEIVING GROUT SHALL BE LEFT ROUGH AND FREE OF LAITANCE IN ALL AREAS.

C28. CONCRETE MUST BE CURED BY AN APPROVED CURING COMPOUND ACHIEVING A MINIMUM 90% MOISTURE RETENTION IN ACCORDANCE WITH AS3799.

C29. SPLICES IN REINFORCEMENT SHALL BE MADE IN THE POSITIONS SHOWN OR AS OTHERWISE APPROVED BY THE SUPERINTENDENT. MINIMUM LAP FOR ALL FABRICS SHALL BE THE SPACING OF TWO TRANSVERSE WIRES PLUS 25mm. GRADE 500N BARS SHALL BE LAPPED IN ACCORDANCE WITH THE STANDARD LAP LENGTH TABLE BELOW IF NOT STATED OTHERWISE ON THE DRAWINGS.

C30. HOOKS AND COGS SHALL COMPLY WITH AS 3600 UNLESS OTHERWISE SHOWN ON THE DRAWINGS.

C31. CUTTING OR WELDING OF REINFORCEMENT IS NOT ALLOWED WITHOUT THE APPROVAL OF THE SUPERINTENDENT.

C32. 3N12-100 TOP DIAGONAL CORNER TRIMMER BARS x 2000mm LONG ARE REQUIRED DIAGONALLY ACROSS ALL RE-ENTRANT CORNERS FOR SLABS ON GROUND. 2N16-100 TOP DIAGONAL CORNER TRIMMER BARS x 1500mm LONG ARE REQUIRED DIAGONALLY ACROSS ALL RE-ENTRANT CORNERS OF OPENINGS IN SUSPENDED SLABS AND WALLS.

C33 THIS TABLE IS TO ONLY BE USED WHERE CONCRETE STRENGTHS AND COVERS ARE NOT NOTED ON STRUCTURAL DRAWINGS.

CONCRETE ELEMENT	CONCRETE STRENGTH (MPa)	BOTTOM COVER (mm)	TOP COVER (mm)	SIDE COVER (mm)
PAD FOOTINGS	32	50	50	50
STRIP FOOTINGS / GROUND BEAMS	32	50	50	50
SLAB ON GROUND	32	40	30	-
SUSPENDED SLABS - INTERIOR	32	25	25	-
SUSPENDED SLABS - EXTERIOR	32	40	30	-
SUSPENDED BEAMS	32	35	35	50
WALLS	32	-	-	40
PRECAST PANELS	REFER TO PRECAST SCHEDULE	-	-	35

STRUCTURAL TIMBER — IN ACCORDANCE WITH AS1720 AND AS1684

T1. ALL TIMBER USED SHALL HAVE BEEN STRESS GRADED BY VISUAL OR MECHANICAL MEANS IN ACCORDANCE WITH THE APPROPRIATE AUSTRALIAN STANDARDS.

T2. HOLES FOR BOLTS, UNLESS OTHERWISE DETAILED, SHALL BE MADE OVERSIZE AS FOLLOWS:
BOLT DIAMETER 15mm OR LESS - 2mm OVERSIZE
BOLT DIAMETER 16mm AND GREATER - 3mm OVERSIZE

T3. SHANK AND THREAD OF BOLTS SHALL BE THOROUGHLY COATED WITH A HEAVY WATERPROOF GREASE BEFORE INSERTING INTO THE TIMBER.

T4. SPECIALISED METAL FASTENERS SUCH AS GANG-NAIL PLATES, TRIP-L-GRIP ETC. SHALL BE OF PROVEN TYPE AND SHALL HAVE HAD WORKING LOADS DETERMINED IN ACCORDANCE WITH THE PROCEDURE SPECIFIED IN AS1649.

T5. AT THE PRACTICAL COMPLETION OF THE PROJECT, AND AGAIN AT THE END OF THE MAINTENANCE PERIOD AND IF NECESSARY DURING THAT PERIOD, THE CONTRACTOR SHALL RE-TIGHTEN ALL BOLTS TO ENSURE THE STRUCTURAL INTEGRITY OF THE CONNECTIONS ARE MAINTAINED AT ALL TIMES.

T6. PREFABRICATED ROOF TRUSSES AND FLOOR JOISTS USING TOOTHED METAL PLATE CONNECTORS SHALL BE PROVIDED AS AND WHERE SHOWN.

T7. PREFABRICATED TRUSSES OR WALL DESIGN SHALL BE IN ACCORDANCE WITH AS1720.1 AND TO THE LOADINGS, PROFILES AND OTHER REQUIREMENTS SPECIFIED ON THE DRAWINGS. ALL DESIGN SHOP DRAWINGS SHALL BE DETAILED BY A QUALIFIED STRUCTURAL ENGINEER AND CIRCULATED TO BOT ENGINEERING FOR FORMAL REVIEW PRIOR TO FABRICATIONS AND INSTALLATION ON SITE. ALL NECESSARY INFORMATION FOR CHECKING THE STRENGTH OF FABRICATED MEMBERS, SHALL BE PROVIDED.

T8. EDGE DISTANCES FOR FASTENERS IN TIMBER (FROM ENDS AND SIDES) SHALL BE IN ACCORDANCE WITH AS1720.1 UNO.

T9. TERMITE PROTECTION IS TO BE PROVIDED TO AS3660.1 - PROTECTION OF BUILDING FROM SUBTERRANEAN TERMITES

STRUCTURAL STEEL — IN ACCORDANCE WITH AS4100

SS1. THE FABRICATOR SHALL BE RESPONSIBLE FOR SHOP DRAWINGS WHICH SHALL COMPLY WITH BOT ENGINEERING DRAWINGS. ANY VARIATION SHALL BE APPROVED BY BOT ENGINEERING PRIOR TO FABRICATION.

SS2. WHERE CONNECTION FORCES (IN KILO-NEWTONS) ARE SHOWN ON THE DRAWINGS, CONNECTIONS SHALL BE PROVIDED TO TRANSMIT THESE FORCES. CONNECTIONS SHALL PROVIDE FOR A MINIMUM FORCE OF 40kN.

SS3. UNO. ALL WELDS TO BE 6mm CONTINUOUS FILLETS LAID DOWN WITH APPROVED COVERED ELECTRODES WITH A NOMINAL TENSILE STRENGTH OF 490MPa..

SS4. UNO. ALL GUSSET PLATES TO BE 10mm THICK.

SS5. UNO. ALL BOLTS TO BE M20-8.8/S IN 22mm DIAMETER HOLES. PROVIDE A MINIMUM OF TWO BOLTS PER CONNECTION.

SS6. FABRICATOR SHALL PROVIDE ALL FIXINGS FOR ARCHITECTURAL ELEMENTS AND ENSURE THE FIXING DOES NOT ADVERSELY IMPACT THE STRUCTURAL INTEGRITY OF THE OVERALL STRUCTURE OR THE RESPECTIVE ELEMENT IT IS BEING CONNECTED TOO.

SS7. UNLESS OTHERWISE NOTED CAMBER SHALL BE PROVIDED TO ALL ROOF BEAMS, TRUSSES, PORTALS. NO MEMBER SHALL BE ERECTED WITH NEGATIVE CAMBER.

SS8. ALL STEELWORK BELOW GROUND SHALL BE ENCASED BY MINIMUM 75mm OF CONCRETE.

SS9. CONCRETE ENCASED STRUCTURAL STEEL TO BE WRAPPED WITH FGW41 PLACED 25mm CLEAR OF STEEL. PROVIDE 50mm MINIMUM ENCASING.

SS10. ALL STEELWORK NOT TO BE ENCASED IN CONCRETE SHALL BE GIVEN ONE SHOP COAT OF AN APPROVED PRIMER UNO. FACES OF FRICTION GRIP CONNECTIONS SHALL NOT BE PAINTED.

SS11. THE BOLTING PROCEDURE IS DESIGNATED AS FOLLOWS:

- 4.6/S - REFERS TO COMMERCIAL BOLTS OF STRENGTH GRADE 4.6 TO AS1111 TIGHTENED USING A STANDARD WRENCH TO A SNUG-TIGHT CONDITION.
- 8.8/S - REFERS TO HIGH STRENGTH BOLTS OF STRENGTH GRADE 8.8 TO AS 1252 TIGHTENED USING A STANDARD WRENCH TO A SNUG-TIGHT CONDITION.
- 8.8/TF - REFERS TO HIGH STRENGTH BOLTS OF STRENGTH GRADE 8.8 TO AS 1252 FULLY TENSIONED TO AS 1511, DESIGNED AS A FRICTION TYPE JOINT.
- 8.8/TB - REFERS TO HIGH STRENGTH BOLTS OF STRENGTH GRADE 8.8 TO AS 1252 FULLY TENSIONED TO AS 4100, DESIGNED AS A BEARING TYPE JOINT.

SS12. ALL BOLTS SHALL BE OF SUCH LENGTH THAT AT LEAST ONE FULL THREAD IS EXPOSED BEYOND THE NUT AFTER THE NUT HAS BEEN TIGHTENED.

SS13. MINIMUM ONE WASHER SHALL BE USED UNDER THE NUT IN ALL SITUATIONS. IF TIGHTENING IS CARRIED OUT AT THE HEAD, AN ADDITIONAL WASHER SHALL BE USED UNDER THE HEAD. FOR SLOTTED HOLES USE HARDENED WASHER UNDER THE NUT AND BOLT HEAD.

SS14. UNO., ALL MATERIAL TO BE :

- GRADE 300 PLUS HOT ROLLED PLATES, FLATS, ANGLES TO AS/NZS 3678.
- GRADE 300 PLUS UB, UC, PFC AND ANGLES.
- GRADE 300 WB, WC.
- GRADE C350L0 SHS, RHS, CHS.
- GRADE 350 L0 FOR ALL BENT PLATES AND MEMBERS.

SS15. MANUFACTURERS OF STRUCTURAL STEEL PRODUCED TO THE FOLLOWING AUSTRALIAN STANDARDS MUST BE CERTIFIED BY ACRS (AUSTRALIAN CERTIFICATION AUTHORITY FOR REINFORCING STEELS LTD) OR AN EQUIVALENT THIRD PARTY PRODUCT CERTIFICATION SYSTEM AS MAY BE APPROVED IN WRITING BY THE SPECIFIER

SS16. SHEAR STUDS SHALL BE WELDED IN ACCORDANCE WITH AS1554.2. UNO.

SS17. HOT DIPPED GALVANIZING SHALL BE IN ACCORDANCE WITH AS4791, AS4792, AS1214, AS4680 & AS2312

SS18. HOT DIP GALVANSING MINIMUM COATING THICKNESS OF 85 MICRONS.

SS19. GALVANIZED STEELWORK THAT IS SITE WELDED OR SUSTAINS ANY OTHER FORM OF SURFACE DAMAGE IS TO BE PREPARED TO AS1627.2 CLASS 3 AND PRIMED WITH 2 COATS OF GALVANISE OR APPROVED AN APPROVED HIGH ZINC RICH PRIMER TO MANUFACTURER'S SPECIFICATION.

SS20. WELDING SHALL BE PERFORMED ONLY BY WELDERS WITH QUALIFICATIONS AS DESCRIBED IN AS 1554 SECTION 4.12.2.

SS21. WELDING INSPECTIONS SHALL BE PERFORMED BY AN INDEPENDENT TESTING AUTHORITY AT THE CONTRACTORS EXPENSE. DEFAULT WELD TESTING SHALL BE AS FOLLOWS: ALL TESTING SHALL BE IN ACCORDANCE WITH AS1554.1

NON-DESTRUCTIVE WELD EXAMINATION (NDE) SCHEDULE

WELD TYPE	VISUAL SCANNING	VISUAL EXAMINATION	MAGNETIC PARTICLE OR LIQUID PENETRANT	ULTRASONIC OR RADIOGRAPHY
GP FILLET WELD	100%	10%	2%	NIL
SP FILLET WELD	100%	25%	10%	10%
BUTT WELDS IN TRUSSES, BRACES OR PORTALS	100%	100%	10%	10%
BUTT WELDS IN OTHER MEMBERS	100%	50%	10%	2%
SITE BUTT WELDS	100%	100%	N/A	100%

SS22. BUILDER/CONTRACTOR IS TO ALLOW FOR TRIMMING PURLINS TO HIPS, VALLEYS, OPENINGS THAT IS NOT DIRECTLY SHOWN ON PLANS.

SS23. REFER TO ARCHITECTURAL SPECIFICATIONS FOR DURABILITY AND PAINT TREATMENT OF ALL EXPOSED STEELWORK. UNO. ALL EXPOSED STEELWORK AND STEELWORK IN A POTENTIALLY CORROSIVE ENVIRONMENT SHALL BE HOT DIP GALVANISED.

SS24. STEELWORK FIRE RATING REQUIREMENTS ARE TO MEET THOSE SPECIFIED BY THE BUILDING SURVEYOR.

SS25. THE STRUCTURE HAS BEEN DESIGNED FOR THE FINAL CONDITION ONLY. IT IS THE BUILDERS/CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT DURING CONSTRUCTION THE STRUCTURE IS MAINTAINED IN A STABLE CONDITION AND NO PART OF THE STRUCTURE IS OVERSTRESSED OR OVERLOADED

SS26. SUBSTITUTIONS FOR STEEL SECTIONS SHOWN ON DRAWINGS SHALL NOT BE MADE WITHOUT THE WRITTEN APPROVAL OF THE SUPERINTENDENT.

SS27. ALL DETAILS, GAUGE LINES ETC, WHERE NOT SPECIFICALLY SHOWN ARE TO BE IN ACCORDANCE WITH THE LATEST EDITION OF THE ASI DESIGN CONNECTION HANDBOOK AND ASI DESIGN GUIDES.

SS28. ALL STEELWORK SHARP/ROUGH EDGES TO BE GROUND BACK TO A SMOOTH SURFACE.

BOT ENGINEERING

CLIENT:

HELLENIC MUSEUM PAVILION

ARCHITECT:

KUD

NOTE:

THESE DRAWINGS MUST BE PRINTED IN COLOUR

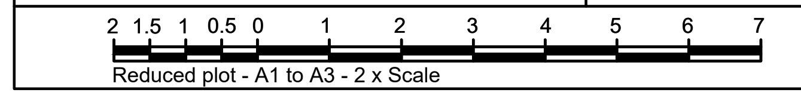
REVISION SCHEDULE

N0.	DESCRIPTION	DESIGNED BY	DRAWN BY	APPROVED BY	DATE
I2	FOR INFORMATION	AB	VT	DB	17/03/2025
I1	FOR INFORMATION	AB	VT	DB	11/03/2025

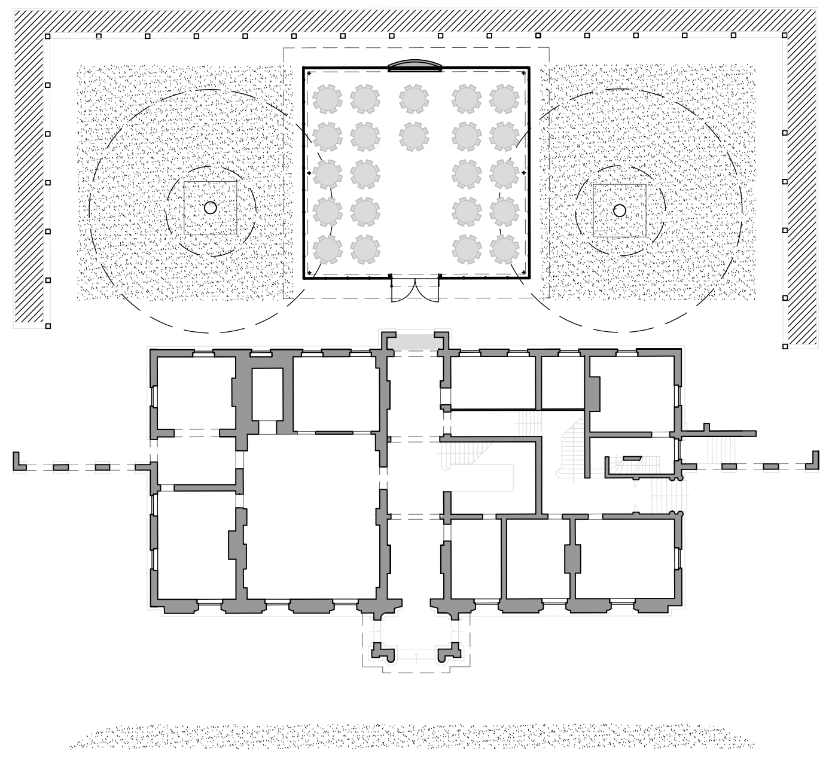
280 WILLIAM ROAD, MELBOURNE

GENERAL NOTES - SHEET 1

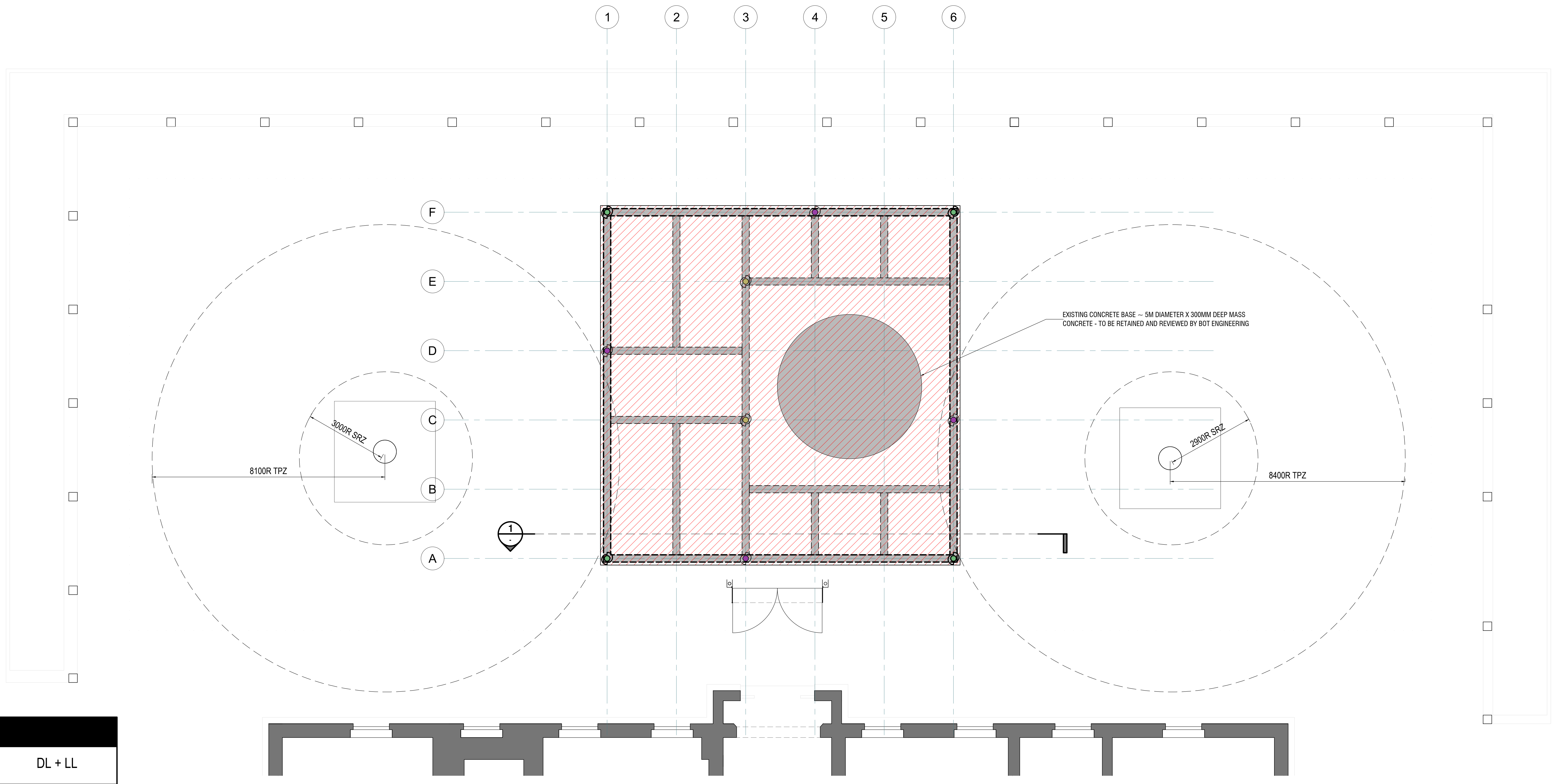
ISSUE STATUS	PROJECT N0.	DRAWING N0.	ISSUE
FOR INFORMATION	**25032**	**S001**	**I2**



Reduced plot - A1 to A3 - 2 x Scale



SITE PLAN



EXISTING CONCRETE BASE ~ 5M DIAMETER X 300MM DEEP MASS CONCRETE - TO BE RETAINED AND REVIEWED BY BOT ENGINEERING

EXISTING CONDITION & DEMOLITION PLAN

SCALE 1:100 AT A1

EXISTING SCREW PILE SCHEDULE

MARK	DEAD LOAD	LIVE LOAD	DL + LL
● P1	40KN	20KN	60KN
● P2	90KN	40KN	130KN
● P3	130KN	75KN	205KN

NOTES:

ALL SCREW PILE CONDITIONS ARE TO BE REVIEWED BY BOT ENGINEERING ONCE STRUCTURE HAS BEEN DEMOLISHED TO CONFIRM THEIR STRUCTURAL INTEGRITY AND ADEQUACY IN THEIR CURRENT STATE

BOT ENGINEERING

LEGEND

■	DENOTES EXISTING BUILDING
▨	DENOTES EXISTING FOOTING
●	DENOTES EXISTING SCREW PILES - REFER TO SCHEDULE FOR DETAILS
▨	DENOTES STRUCTURE ABOVE EXISTING FOUNDATIONS TO BE DEMOLISHED IN A SAFE AND CONTROLLED MANNER. EXISTING GROUND FLOOR SUBSTRUCTURE IS CONSTRUCTED FROM STEEL FRAMING AND WILL BE DEMOLISHED AND REMOVED FROM SITE BY QUALIFIED TRADES. ENSURE ANY DEMOLITION WORKS DO NOT ADVERSELY AFFECT THE STRUCTURAL INTEGRITY OF EXISTING FOUNDATIONS. EXISTING FOUNDATIONS ARE TO BE REVIEWED BY A REGISTERED ENGINEER POST DEMOLITION WORKS TO CONFIRM THEIR STRUCTURAL INTEGRITY AND ADEQUACY. ADDITIONAL TESTING MAY BE NECESSARY SUBJECT TO THEIR CONDITION AND CONFIGURATION TO CONFIRM THEIR LOADING CAPACITIES POST DEMOLITION WORKS.

SAFE DEMOLITION NOTES

THIS DRAWING IS THE EXCLUSIVE PROPERTY OF BOT ENGINEERING AND HAS BEEN TAILORED TO THE SPECIFIC CLIENT AND SITE DETAILED WITHIN IT.

THE DETAILS EXPRESSED IN THIS DRAWING ARE BASED ON BOT ENGINEERING UNDERSTANDING OF THE PROPOSED PROJECT SCOPE AND REQUESTED WORKS.

BOT ENGINEERING RETAINS THE RIGHT TO APPEND, AMEND, AND/OR MODIFY THE CONTENTS OF THIS DRAWING UPON RECEIVING ADDITIONAL INFORMATION.

THIS DRAWING SERVES AS A PROFESSIONAL ASSESSMENT OF THE ENGINEERING REQUIRED FOR THE PROPOSED SCOPE, HOWEVER, DOES NOT CONSTITUTE A GUARANTEE OR WARRANTY. THE DESIGN AND DETAILING OUTLINED IN THIS DRAWING ARE BASED UPON A VISUAL INSPECTION CONDUCTED WITH REASONABLE CARE. THE DRAWING IS NOT A GUARANTEE OR WARRANTY BUT IS A PROFESSIONAL ASSESSMENT OF THE CONDITION OF THE PREMISES, OR PART THEREOF, AT THE TIME OF DETAILING THIS DRAWING.

1. ALL STAKEHOLDERS MUST TAKE ALL NECESSARY PRECAUTIONS BEFORE AND DURING ANY DEMOLITION WORKS.
2. ALL WORKS TO BE UNDERTAKEN STRICTLY IN ACCORDANCE WITH AS2601 'DEMOLITION OF STRUCTURE.
3. ALL DEMOLITION WORKS IS TO BE CARRIED OUT IN ACCORDANCE WITH APPROVED SEQUENCES THAT ALWAYS MAINTAINS THE STRUCTURE IN A SAFE AND STABLE CONDITION.
4. THE WORK SITE NEEDS TO HAVE ADEQUATE PERIMETER PROTECTION TO PREVENT UNAUTHORISED PUBLIC ACCESS AND ENSURE ALL ADJOINING PROPERTIES ARE ADEQUATELY GUARDED FROM LOOSE DEBRIS.
5. NOTICES DISPLAYING 'DANGER DEMOLITION WORKS IN PROGRESS' OR SIMILAR ARE TO BE FIXED TO THE HOARDING.
6. PLEASE ENSURE DEMOLITION SCOPE HAS BEEN REVIEWED BY REGISTERED ENGINEER.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THE OVERALL STABILITY OF THE STRUCTURE WHILST DEMOLITION OCCURS AND SHALL BE ADEQUATELY SUPPORTED AND RESTRAINED TO AVOID ALL VERTICAL AND HORIZONTAL DISPLACEMENT AND DEFORMATIONS DURING DEMOLITION.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE ALL LOOSE AND UNSTABLE BUILDING COMPONENTS DURING THE DEMOLITION PROCESS.

INITIAL EXCAVATION MAY BE CARRIED OUT TO LEVELS ABOVE THOSE SHOWN ON THESE DRAWINGS WITH THE FINAL TRIMMING TO DESIGN LEVELS JUST PRIOR TO CASTING OF BASEMENT SLAB.

SITE CUT TO PROPOSED 36.47 A.H.D TO OCCUR AFTER NORTHERN BOUNDARY RETAINING WALL IS INSTALLED.

ENSURE SPACING BETWEEN LEGEND NOTES IS EQUAL AND ALL HEADING AND TEXT IS THE SAME FORMAT.

CLIENT:

HELLENIC MUSEUM PAVILION

ARCHITECT:

KUD

NOTE:

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PLAN NORTH:

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REVISION SCHEDULE

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280 WILLIAM ROAD, MELBOURNE

EXISTING CONDITION & DEMOLITION PLAN

ISSUE STATUS	PROJECT N0.	DRAWING N0.	ISSUE
FOR INFORMATION	**25032**	**S005**	**I2**

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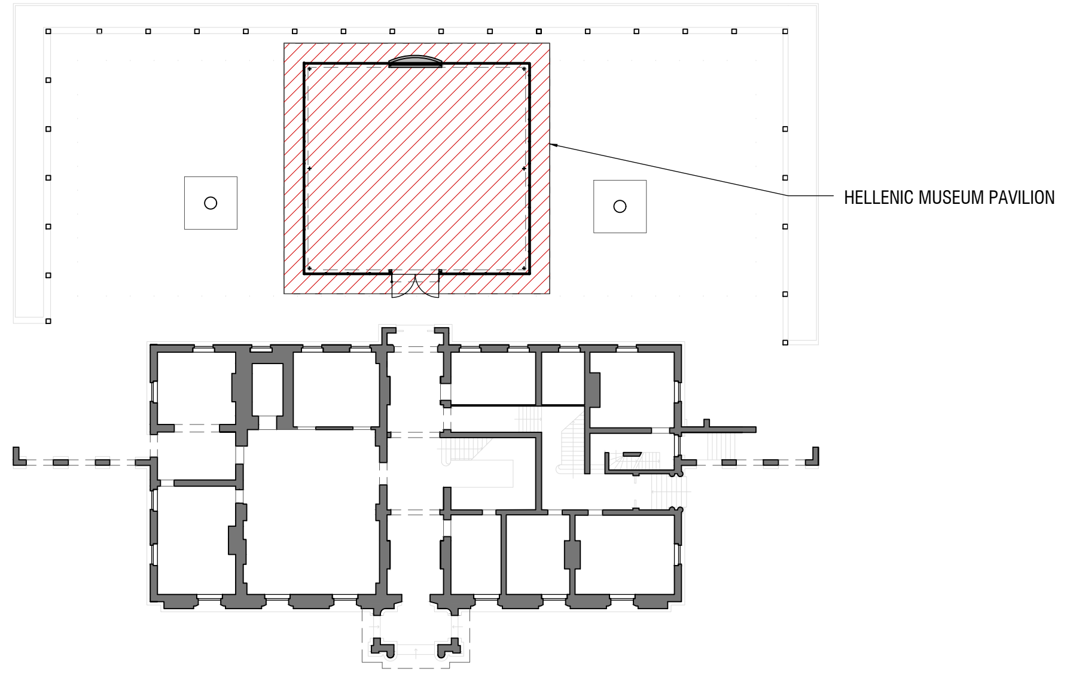
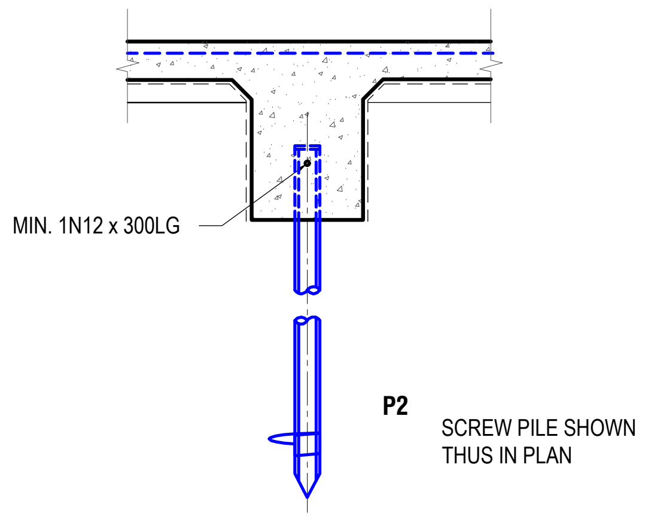


SITE PLAN



TYPICAL SCREW PILE DETAIL - EXISTING CONDITION ASSUMED

NOTES:

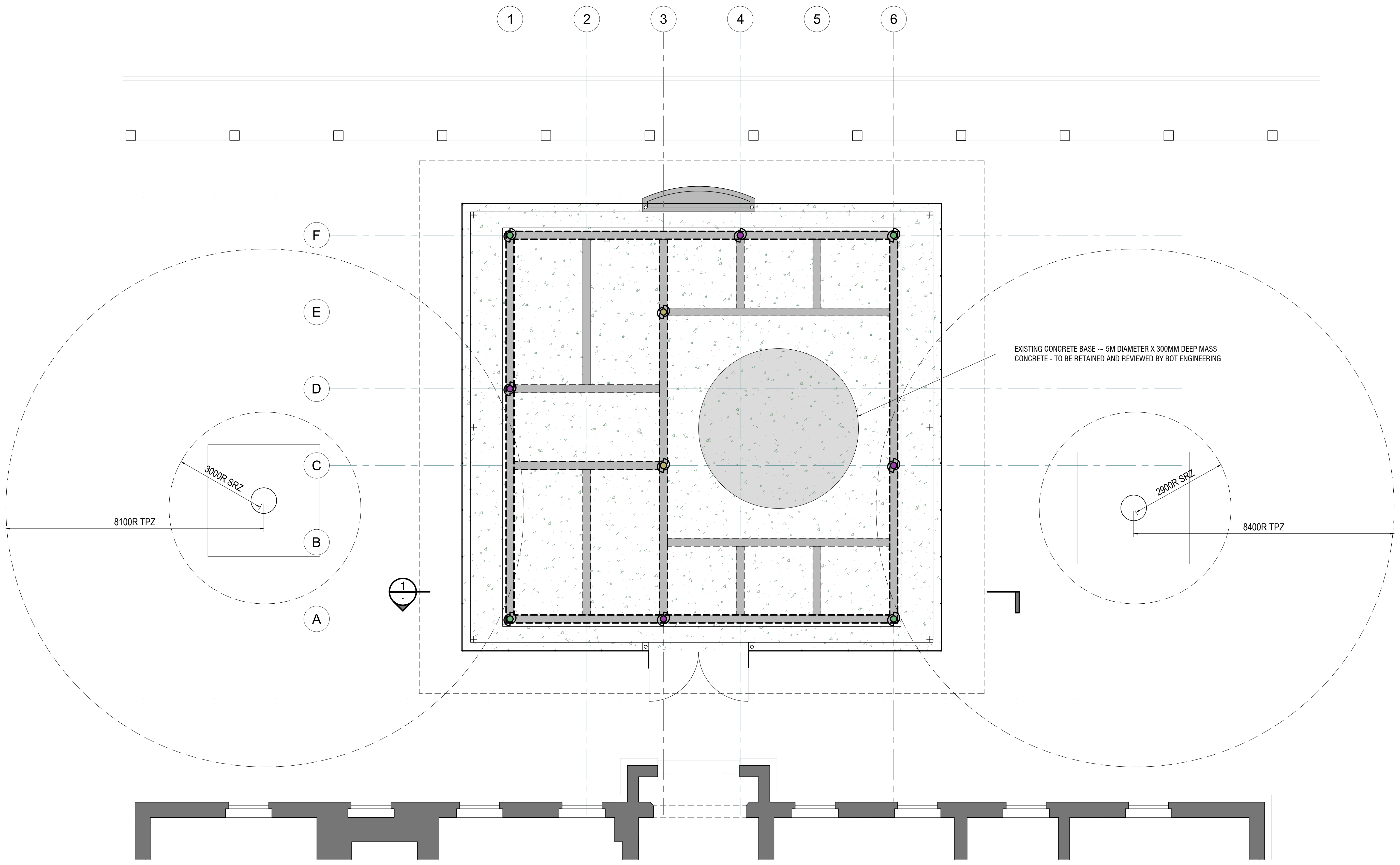
- IT IS ASSUMED, AND WILL REQUIRE CONFIRMATION POST DEMOLITION THAT THE SCREW PILES TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND ACHIEVE THE REQUIRED SAFE WORKING LOAD CAPACITY NOMINATED BY THE WSP ENGINEER DURING THE CONSTRUCTION OF THE EXISTING STRUCTURE.

EXISTING SCREW PILE SCHEDULE

MARK	DEAD LOAD	LIVE LOAD	DL + LL
P1	40KN	20KN	60KN
P2	90KN	40KN	130KN
P3	130KN	75KN	205KN

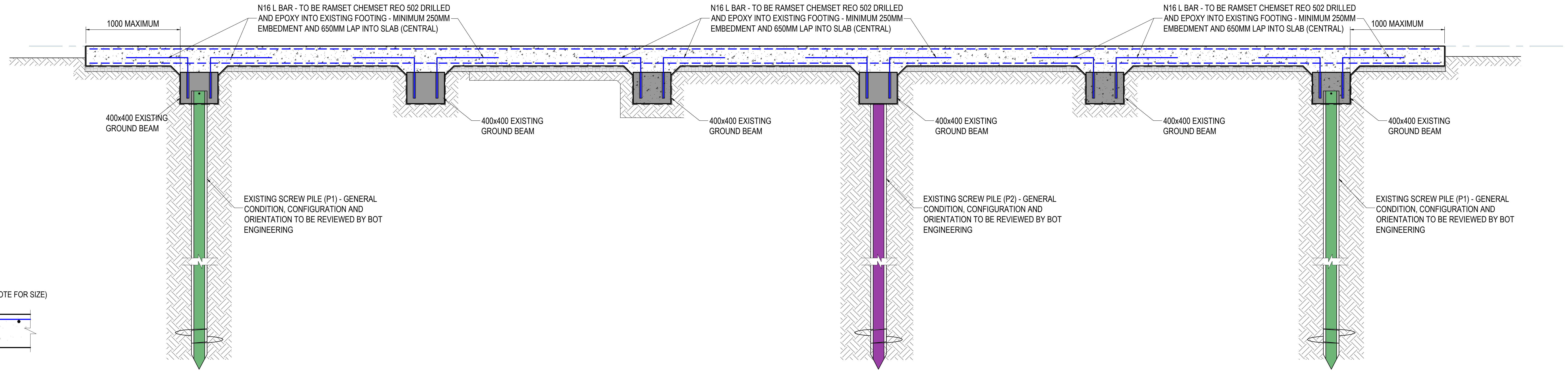
NOTES:

ALL SCREW PILE CONDITIONS ARE TO BE REVIEWED BY BOT ENGINEERING ONCE STRUCTURE HAS BEEN DEMOLISHED TO CONFIRM THEIR STRUCTURAL INTEGRITY AND ADEQUACY IN THEIR CURRENT STATE



FOUNDATION GENERAL ARRANGEMENT PLAN

SCALE 1:100 AT A1



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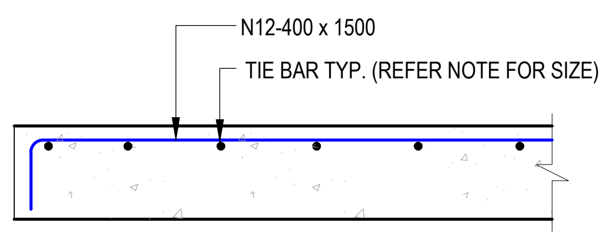
SECTION 1

SCALE 1:20



TYPICAL EDGE REINFORCEMENT

NOTE:

PROVIDE N12-1000 TIE BARS TYPICAL TO ALL REINFORCEMENT SHOWN ON PLAN WHERE REQUIRED UNO.

BOT ENGINEERING

LEGEND

▬	DENOTES EXISTING BUILDING
▨	DENOTES EXISTING FOOTING TO BE RETAINED
●	DENOTES EXISTING SCREW PILES TO BE RETAINED - REFER TO SCHEDULE FOR DETAILS
▨	DENOTES NEW CONCRETE SLAB - THICKNESS TBC. TOP AND BOTTOM REINFORCEMENT TBC. 32MPA CONCRETE STRENGTH ON 0.2MM POLYTHENE MEMBRANE OVER A 50MM COMPACTED SAND BED OR EQUIVALENT.
	PROPPOSED NEW SLAB EDGE - REFER TO ARCHITECTURAL DRAWINGS FOR SLAB CONFIGURATION , ORIENTATION AND LEVELS/RL'S.

GROUND CONDITION NOTES

THE BUILDER AND SUB-CONTRACTORS ASSOCIATED WITH IN-GROUND WORK WILL REFER TO (GEOTECHNICAL CONSULTANT) FOUNDATION INVESTIGATION REPORT

THE ENGINEER SHALL BE ADVISED IMMEDIATELY ANY GROUND WATER IS ENCOUNTERED ON SITE, SO THAT A DECISION CAN BE MADE AS TO WHETHER LOCAL DE-WATERING IS REQUIRED

ALL FOOTINGS MUST BE FOUNDED TO A MATERIAL AND DEPTH OF EQUIVALENT CHARACTERISTIC SURFACE MOVEMENT

SLAB ON GROUND NOTES

SLAB THICKNESS AND REO IS SHOWN INDICATIVELY ONLY.

GROUND FLOOR SLAB CONFIGURATION IS TO BE CONFIRMED DURING DETAILED DESIGN PHASE. LIKELY TO BE N12-200 TOP AND BOTTOM, BOTH DIRECTIONS ON 0.2MM POLYTHENE MEMBRANE OVER 50MM SAND BED

REFER TO BOT ENGINEERING'S SLAB ON GROUND TYPICAL DETAILS. PLEASE ENSURE ANY SOIL BACKFILL IS ADEQUATELY COMPACTED IN ACCORDANCE WITH RECOMMENDATION MADE IN THE GEOTECHNICAL REPORT TO ACHIEVE REQUIRED BEARING CAPACITIES

ALL FOOTINGS MUST BE FOUNDED TO A MATERIAL AND DEPTH OF EQUIVALENT CHARACTERISTIC SURFACE MOVEMENT

IMPLEMENTATION OF WATERPROOFING MEMBRANE AND WATER STOPS ARE REQUIRED AT ALL COLD JOINTS. REFER TO ARCHITECTURAL DRAWINGS FOR THE ORIENTATION AND CONFIGURATION. PLEASE ENSURE WATER STOPS ARE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS

REFER ARCHITECTURAL DRAWINGS FOR FALLS AND STEPS 80MM MIN. REBATE AROUND SLAB PERIMETER FOR FACADE WATERPROOFING. REFER TO ARCHITECTURAL DETAILS REFER TO ARCHITECTURAL DRAWINGS AND DETAILS FOR ALL WINDOWS AND DOORS

COORDINATION ITEMS

ALL FOUNDATION DESIGNED AND CONFIGURATIONS ARE SUBJECT TO CHANGE PENDING THE RECEIVABLE OF A SITE SPECIFIC GEOTECHNICAL REPORT

BOT WILL PROVIDE ADDITIONAL SECTIONS AND ELEVATIONS ONCE GENERAL CONFIGURATION AND ORIENTATION OF CURRENT STRUCTURAL MODEL IS COORDINATED

COLUMN PLACEMENT AND CONFIGURATION HAS BEEN UPDATED TO SUIT STRUCTURAL DESIGN. ALL COLUMN LOCATIONS TO BE COORDINATED WITH TRAFFIC AND ARCHITECTURE

CLIENT:

HELLENIC MUSEUM PAVILION

ARCHITECT:

KUD

NOTE:

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PLAN NORTH:

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280 WILLIAM ROAD, MELBOURNE

FOUNDATION GENERAL ARRANGEMENT PLAN

ISSUE STATUS	PROJECT N0.	DRAWING N0.	ISSUE
FOR INFORMATION	**25032**	**S010**	**I2**

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Reduced plot - A1 to A3 - 2 x Scale