

GENERAL NOTES

- G1.

THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ARCHITECT'S AND OTHER CONSULTANT'S 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 TIME AND NO PART IS TO BE OVERSTRESSED. THE CONTRACTOR SHALL DEVELOP WORK METHOD STATEMENTS FOR ALL ERECTION OF STRUCTURAL STEEL/FORMWORK/ DEMOLITION/EXCAVATION/TILT 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. THE CONTRACTOR IS TO ENGAGE AN NPER REGISTERED STRUCTURAL ENGINEER TO DESIGN AND CERTIFY THE TEMPORARY WORKS.
- G13.

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.
- G14.

ALL PROPRIETARY PRODUCTS ARE TO BE INSTALLED STRICTLY IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS UNLESS NOTED OTHERWISE.
- G15.

ALL DISTURBED AREAS NOT SUBJECTED TO NEW WORKS SHALL BE REINSTATED TO THEIR EXISTING CONDITION BY THE CONTRACTOR AT THE COMPLETION OF WORKS TO THE SATISFACTION OF THE RESPONSIBLE AUTHORITY.
- G16.

ALL PENETRATIONS THROUGH SLABS AND BEAMS SHALL BE APPROVED BY THE CONTRACT ADMINISTRATOR PRIOR TO COMMENCEMENT OF WORK.
- G17.

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.
- G18.

NON-LOAD BEARING ELEMENTS SHALL BE KEPT CLEAR OF THE STRUCTURAL SUPPORTS 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.
- G19.

WHERE STRUCTURAL INSPECTIONS ARE REQUIRED FOR CERTIFICATION, THE INSPECTIONS ARE TO BE PERFORMED BY THE STRUCTURAL ENGINEER. THE CONTRACTOR IS REQUIRED TO ALLOW TIME FOR THE STRUCTURAL ENGINEER TO INSPECT AT THE FOLLOWING POINTS:

COMPLETED EXCAVATION, FORMWORK, REINFORCEMENT MEMBRANES AND EMBEDMENT PRIOR TO PLACING CONCRETE, COMPLETED ERECTED STRUCTURAL ELEMENTS PRIOR TO PLACING COVERING (UNLESS COVERED BY AS1684 RESIDENTIAL TIMBER-FRAMED CONSTRUCTION).
- G20.

A MINIMUM OF 48 HOURS NOTICE IS REQUIRED FOR INSPECTION. ALL WORKS TO BE INSPECTED MUST BE COMPLETED PRIOR TO THE TIME OF INSPECTION.
- G21.

INSPECTIONS DO NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR THE COMPLETENESS AND CORRECTNESS OF HIS WORKS.
- G22.

INSPECTIONS WILL BE PERIODIC AND REPRESENTATIVE AND WILL NOT NECESSARILY BE MADE OF ALL WORKS. THE CONTRACTOR IS TO ADVISE THE ENGINEER OF ALL WORK COMPLETION, BUT ELECTION TO INSPECT OR OTHERWISE WILL BE AT THE ENGINEER'S DISCRETION. THE CONTRACTOR IS TO ALLOW TIME AND PROVIDE SITE ACCESS FOR THE INSPECTIONS TO TAKE PLACE AND IS TO HAVE A RESPONSIBLE SITE SUPERVISOR AVAILABLE TO RECEIVE ANY COMMENT OR DIRECTION FROM THE INSPECTING PARTY.
- G23.

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.

LEGEND/ABBREVIATIONS

ABBREVIATION	DESCRIPTION
HORIZ	HORIZONTAL
VERT	VERTICAL
CENTRAL	CENTRALLY PLACED
CRS	CENTRES
T or TOP	TOP OF TOP FACE
B or BTM	BOTTOM or BOTTOM FACE
T&B	TOP & BOTTOM
NF	NEAR FACE
FF	FAR FACE
INTF	INTERNAL FACE
EXTF	EXTERNAL FACE
EF	EACH FACE
EW	EACH WAY
EQ	EQUAL
NSOP	NOT SHOWN ON PLAN
NSOE	NOT SHOWN ON ELEVATION
UNO	UNLESS NOTED OTHERWISE
TYP	TYPICAL
CL	CENTRE LINE
PL	PLATE
SV	SIZE VARIES
STG	STAGGERED
N/S	NEAR SIDE
F/S	FAR SIDE
B/S	BOTH SIDES
U/S	UNDER SIDE
W	LENGTH/LONG
H	WIDTH/WIDE
D	HEIGHT/HIGH
NOM	DEPTH/DEEP
REQ'D	NOMINAL
REINFD	REQUIRED
OPP	REINFORCEMENT
SIM	OPPOSITE
GA	SIMILAR
PT	GENERAL ARRANGEMENT
DRG	POST TENSION
NTS	DRAWINGS
LV	NOT TO SCALE
ABR	LENGTH VARIES
MAX	ALTERNATE BAR REVERSED
MIN	MAXIMUM
CONT	MINIMUM
	CONTINUOUS

LOADING NOTES

- L1.

ALL LOADINGS HAVE BEEN ASSESSED IN ACCORDANCE WITH AS1170.0:2002 AND THE BUILDING CODE OF AUSTRALIA (BCA)
- L2.

THE STRUCTURAL COMPONENTS IN THESE DRAWINGS HAVE BEEN DESIGNED FOR THE FOLLOWING LOADINGS:

FLOOR USAGE / DESCRIPTION	PERMANENT ACTIONS	IMPOSED ACTIONS	
	SUPERIMPOSED DEAD LOAD (kPa)	UNIFORM LIVE LOAD (kPa)	CONCENTRATED ACTIONS (kN)
FOYER	3.5	4.0	3.6
CORRIDORS/LIFTS	2.0	4.0	4.5
EXTERNAL STAIRS	1.0	4.0	4.5
THRUST BLOCK	SEE THRUST BLOCK NOTES ON DRAWING S050		

- L3.

THE DESIGN WIND CRITERIA TO AS1170.2:2002 ARE AS FOLLOWS:

DESIGN LIFE: 50 YEARS

REGION: A2

IMPORTANCE LEVEL: 2

TERRAIN CATEGORY: 1

TOPOGRAPHIC MULTIPLIER, Mt: 1

TERRAIN/HEIGHT MULTIPLIER, Mz, CAT: 1

SHIELDING MULTIPLIER, Ms: 1

REGIONAL WIND SPEED - ULTIMATE Vw: 45 m/s

SERVICE Vs: 37 m/s
- L4.

DO NOT PLACE OR STORE BUILDING MATERIALS ON CONCRETE MEMBERS WITHOUT THE CONTRACT ADMINISTRATOR'S APPROVAL.

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 19.6 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.

IN MULTI-STOREY CONSTRUCTION PROPPING MAY BE REQUIRED TO EXTEND A NUMBER OF LEVELS BELOW THE FLOOR BEING CAST. REMOVAL OF PROPS TO AVOID DISTRESS TO PREVIOUSLY CAST FLOORS SHALL BE PLANNED AND PROGRAMMED. RE-SHORING OR BACK-PROPPING PROPOSALS SHALL BE SUBMITTED FOR APPROVAL BY THE CONTRACT ADMINISTRATOR.
- FW8.

FORMWORK MAY BE STRIPPED AFTER 7 DAYS, BUT BEAMS AND SLABS MUST REMAIN PROPPED FOR 21 DAYS. FOR MULTISTOREY BUILDINGS, SEE SPECIFIC BACKPROPPING REQUIREMENTS.

EXCAVATION & SHORING NOTES

- ES1.

ALL NECESSARY APPROVALS FROM AUTHORITIES AND ADJACENT PROPERTY OWNERS MUST BE OBTAINED BEFORE COMMENCEMENT OF WORK.
- ES2.

IDENTIFY AND VERIFY THE LOCATION OF EXISTING ADJACENT SERVICES AND CONFIRM DETAILS WITH THE ENGINEER PRIOR TO EXCAVATION.
- ES3.

THE GEOTECHNICAL ENGINEER IS TO MONITOR THE EXCAVATION AS IT PROCEEDS AND SHALL BE CONSULTED AT ALL TIMES REGARDING STABILITY OF ROCK FACES AND CONFIRMATION OF, OR CHANGES TO THE REQUIREMENTS FOR THE ROCK BOLTS, DOWELS, ROCK ANCHORS, CONCRETE PANELS, SOLDERS, WALERS, AND DRAIN HOLES.
- ES4.

UNLESS NOTED OTHERWISE, THE EXCAVATION IS TO BE TAKEN TO A MAXIMUM OF 500mm BELOW THE LEVEL OF ANY ROW OF ROCK ANCHORS.
- ES5.

EXCAVATION IS NOT TO PROCEED TO THE NEXT LEVEL UNTIL ALL ANCHORS ON THE PRECEDING LEVEL ARE FULLY STRESSED AND LOCKED OFF.

EXCAVATION MONITORING NOTES

- EM1.

PRIOR TO EXCAVATION AT ANY BOUNDARY, SURVEY MONITORING POINTS SHALL BE ESTABLISHED ON THE TOP OF WALL AT 5m INTERVALS AROUND THE EXCAVATION UNLESS OTHERWISE SPECIFIED.
- EM2.

PRIOR TO EXCAVATION OF THE THRUST BLOCK, SURVEY MONITORING POINTS SHALL BE ESTABLISHED ON EXISTING BEAMS ADJACENT TO THE PROPOSED EXCAVATION. SURVEY MONITORING POINTS TO BE 2m INTERVALS AND CONTINUE 6m PAST THE PROPOSED EXCAVATION UNLESS OTHERWISE SPECIFIED.
- EM3.

THE X, Y AND Z COORDINATES SHALL BE PROVIDED TO THE AECOM GEOTECHNICAL AND STRUCTURAL ENGINEERS EVERY SECOND DAY DURING THE PROCESS OF THE WORKS UNLESS OTHERWISE SPECIFIED.

FOUNDATION NOTES

- F1.

FOUNDATIONS HAVE BEEN DESIGNED FOR AN ASSUMED ULTIMATE BEARING PRESSURE OF 12 MPa OR AS SHOWN ON THE FOOTING DRAWINGS, FOUNDED ON CLASS II SANDSTONE. THE CONTRACTOR SHALL ENGAGE THE AECOM GEOTECHNICAL ENGINEER TO VERIFY THAT THE GROUND AT EACH FOOTING IS CAPABLE OF CARRYING THIS PRESSURE.
- F2.

ALL FOUNDATION EXCAVATIONS SHALL BE CLEANED OF LOOSE MATERIAL AND WATER PRIOR TO CASTING FOOTINGS.
- 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 OR BASE SHEAR IS REQUIRED TO BE DEVELOPED, CLEAN AND ROUGHEN THE FACES OF THE EXCAVATION TO THE SATISFACTION OF THE AECOM GEOTECHNICAL ENGINEER. WHERE VERIFIED FOUNDATION MATERIAL IS LOWER THAN THE UNDERSIDE OF FOOTINGS AS DETAILED, BACKFILL ADDITIONAL EXCAVATION WITH 10MPa MASS CONCRETE, 40MPa MASS CONCRETE FOR THRUST BLOCK EXCAVATION.
- F5.

FOUNDATIONS SHALL BE LOCATED CENTRALLY UNDER WALLS AND COLUMNS UNLESS NOTED OTHERWISE.
- F6.

FOUNDATIONS 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 CORE TEST HOLE ON THE CENTRE LINE OF EACH FOOTING TO A MINIMUM DEPTH OF 1.5 TIMES THE MINIMUM PLAN DIMENSION. THESE CORES ARE TO BE DRILLED BELOW THE LEVEL AT WHICH SUITABLE FOUNDDING MATERIAL IS REACHED. THE CONTRACTOR SHALL ENGAGE THE AECOM GEOTECHNICAL ENGINEER TO CHECK PRIOR TO CONCRETING. IF DEEPENING OF THE EXCAVATION IS NECESSARY, THE TEST CORE WILL BE REDRILLED. CORE HOLE NOT REQUIRED NOT REQUIRED FOR THRUST BLOCK CONSTRUCTION
- F9.

STRIP ALL TOPSOIL FROM THE CONSTRUCTION AREA. ALL STRIPPED TOPSOIL IS TO BE REMOVED FROM SITE UNLESS DIRECTED OTHERWISE.

BORED PIER NOTES

- BP1.

ALL BORED PIERS ARE TO BE IN ACCORDANCE WITH SAI PILING CODE AS2159.
- BP2.

REFER GEOTECHNICAL INFORMATION NOTE FOR SITE INVESTIGATION I INFORMATION.
- BP3.

BORED PIERS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIFICATION AND REQUIREMENTS SET OUT ON THE DRAWINGS.
- BP4.

EACH PIER IS TO BE CONSTRUCTED WITHIN A TOLERANCE OF 75mm OF THE LOCATION SHOWN ON THE PLAN, AND WITHIN 1 IN 100 VERTICALLY OR BETTER.

CONCRETE NOTES

- C1.

ALL CONCRETE WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS3600:2009, AS2870:2011 AND THE SPECIFICATION.
- C2.

CONCRETE QUALITY, AND REQUIRED PROPERTIES OF CONCRETE SHALL BE IN ACCORDANCE TO AS1379:2007.
- C3.

SURFACE FINISH, FORMWORK IS TO BE IN ACCORDANCE WITH THE SAI FORMWORK CODE AS3610:1995 EXCEPT WHERE SPECIFIED OTHERWISE BY ARCHITECT.
- C4.

CONCRETE REQUIREMENTS AS SHOWN IN TABLE BELOW UNLESS NOTED OTHERWISE ON THE DRAWINGS. NO "BRECCIA" TYPE AGGREGATE IS TO BE USED.

MEMBER LOCATION	EXPOSURE CLASSIFICATION	CONCRETE STRENGTH f _c (MPa) AT 28 DAYS	CONCRETE CLASS	SLUMP AT SITE +/- 15mm	Nom. MAX. AGGREGATE SIZE (mm)	MAX. 56 DAY SHRINKAGE x10-6	REQUIRED COVER (mm)
PILE CAPS	A2	32	S32	80	20	700	50
BORED PIERS	A2	32	S32	80	20	700	75
INTERNAL WALLS (INSITU)	A2	32	S32	80	20	700	30
PRECAST WALLS	B1	40	S40	80	20	700	40
INTERNAL SUSPENDED SLABS	A1	32	S32	80	20	700	20 (30 TOP COVER TO LIGATURES)
THRUST BLOCK	B2	40	S40	80	20	700	65

C5.

NORMAL CLASS CONCRETE SHALL HAVE CEMENT OF TYPE GENERAL PURPOSE BLENDED CEMENT (GP) OR FOR THE ELEMENTS MARKED "" (GREEN CONCRETE) ALL CEMENT TO BE GENERAL BLEND, GB (SLAG) [EQUIVALENT OF 70% TYPE GP, PLUS 30% GROUND GRANULATED BLAST FURNACE SLAG] PLUS 25% FLY ASH.

C6.

THE CONTRACTOR IS TO SEEK APPROVAL FROM THE STRUCTURAL ENGINEER IN WRITING IF ANY ADMIXTURES TO BE USED IN THE CONCRETE MIX. CALCIUM CHLORIDE WILL NOT BE PERMITTED AND SHALL NOT BE USED UNDER ANY CIRCUMSTANCES.

C7.

ALL CONCRETE SHALL BE SUBJECT TO PROJECT ASSESSMENT AND TESTING TO AS1379:2007.

C8.

MECHANICALLY VIBRATE CONCRETE IN THE FORM TO GIVE MAXIMUM COMPACTION WITHOUT SEGREGATION OF THE CONCRETE.

C9.

CURE CONCRETE AS REQUIRED BY SECTION 17 OF AS3600:2009 AND AS SET OUT IN THE SPECIFICATION.

C10.

IN THE DRAWINGS, THE BEAM DEPTH IS WRITTEN FIRST AND INCLUDES SLAB THICKNESS IF ANY.

C11.

STRIP FOOTING DEPTHS ARE WRITTEN FIRST FOLLOWED BY WIDTH.

C12.

UNLESS SHOWN ON THE DRAWINGS, THE LOCATION OF ALL CONSTRUCTION JOINTS SHALL BE SUBMITTED TO THE CONTRACT ADMINISTRATOR FOR REVIEW.

C13.

NO CHASES, HOLES GREATER THAN 150mm DIAMETER, OR EMBEDMENT OF PIPES GREATER THAN 40mm DIAMETER OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE IN THE CONCRETE SLABS. FOR ALL OTHER CONCRETE MEMBERS, NO PENETRATIONS, CHASES OR EMBEDMENT SHALL BE MADE WITHOUT PRIOR APPROVAL BY THE STRUCTURAL ENGINEER.

C14.

EXACT SIZE AND LOCATION OF PENETRATIONS ARE TO BE OBTAINED FROM WORKSHOP DRAWINGS PRIOR TO SCHEDULING OF REINFORCEMENT, AND ARE NOT TO EXCEED DIMENSIONS WHERE SHOWN ON THE STRUCTURAL DRAWINGS. LIAISE WITH ALL TRADES FOR FINAL PENETRATION SETOUT.

C15.

DO NOT PLACE CONDUITS, PIPES AND THE LIKE WITHIN COVER CONCRETE. CONDUITS CAST INTO CONCRETE MEMBERS SHALL BE SPACED AT MAXIMUM DISTANCE POSSIBLE AND UNDER NO CIRCUMSTANCES CLOSER THAN A CLEAR SPACING OF TWICE THE LARGER CONDUIT DIAMETER FROM PARALLEL REINFORCEMENT OR ANY OTHER CONDUIT.

C16.

SLURRY USED TO LUBRICATE CONCRETE PUMP LINES IS NOT TO BE USED IN ANY STRUCTURAL MEMBERS.

C17.

CONCRETE SIZES AS DRAWN ARE MINIMUM AND DO NOT INCLUDE APPLIED FINISHES.

C18.

UNLESS NOTED OTHERWISE, ALL SLABS CAST ON GROUND REQUIRE 50mm THICK COMPACTED FREE DRAINING SAND BEDDING WITH A 0.2mm POLYTHENE MEMBRANE.

C19.

GENERALLY, DRAWINGS ARE DETAILED IN ACCORDANCE WITH THE PRINCIPLES SET OUT IN THE CONCRETE INSTITUTE OF AUSTRALIA (CIA) "REINFORCEMENT DETAILING HANDBOOK" OF 2010.

C20.

ALL FORMED EXPOSED EDGES AND RE-ENTRANT CORNERS SHALL BE CHAMFERED OR FILLETED 15mm UNLESS NOTED OTHERWISE ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS. REFER TO ARCHITECT'S DRAWINGS AND SPECIFICATION FOR ALL FALLS IN SLAB, REGLETS AND CHAMFERS ETC. PROVIDE DRIP GROOVES AT ALL EXPOSED EDGES. COVER TO BE MAINTAINED.

C21.

THE FACE OF ALL CONCRETE WHICH HAS REINFORCEMENT PROJECTING FROM IT AND AGAINST WHICH NEW CONCRETE IS TO BE CAST, IS TO BE THOROUGHLY MECHANICALLY SCABBLED, FULLY EXPOSING THE AGGREGATE MATRIX.

NOT FOR CONSTRUCTION

Issue	Description	Drawn	Appvd	Date
02	ISSUED FOR TENDER	HG	J.O.	02.05.2018
01	ISSUED FOR TENDER	J.T.	J.O.	15.12.2017

SAFETY IN DESIGN INFORMATION

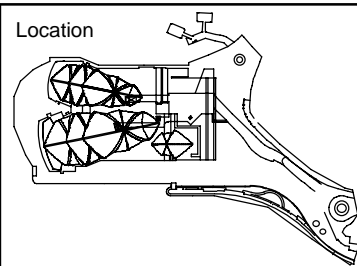
SAFETY IN DESIGN ISSUES HAVE BEEN ASSESSED AS PART OF THE DESIGN PROCESS. ALL REASONABLE STEPS HAVE BEEN TAKEN TO ENSURE HAZARDS AND RISKS NORMALLY ASSOCIATED WITH THIS TYPE OF DESIGN HAVE BEEN MITIGATED AND/OR COMMUNICATED. RESIDUAL HAZARDS AND RISKS AND/OR HAZARDS AND RISKS NOT NORMALLY ASSOCIATED WITH THIS TYPE OF WORK WHICH MAY REQUIRE SUBSEQUENT CONSIDERATION AND/OR ACTION ARE DESCRIBED IN - SOH-FOH SAFETY DESIGN REGISTER MATRIX DOCUMENT

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Status	FOR TENDER
Contract	SOH-513
Dwn	J.BRAGA
Ckd	J.ONSLow
Date	02-05-2018
Scale	

Project	BUILDING RENEWAL PROGRAM ENTRY FOYER ESCALATORS
Title	STRUCTURAL GENERAL NOTES - SHEET 1

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