

COMMUNITY FACILITY AND AMENITIES BUILDING ROTHWELL PARK, CONCORD

CONSTRUCTION NOTES

GENERAL NOTES

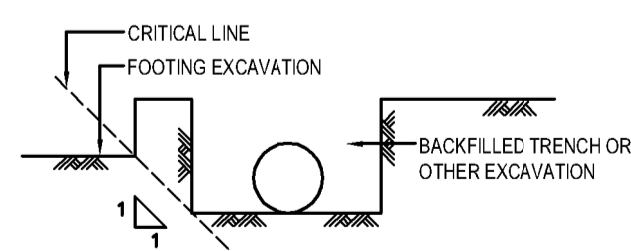
- G1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANTS DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS THAT MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCIES IN THESE DOCUMENTS SHALL BE REFERRED TO THE SUPERINTENDENT FOR A DECISION BEFORE PROCEEDING WITH THE WORK.
- G2. THE CONTRACTOR SHALL CHECK AND BE RESPONSIBLE FOR THE CORRECTNESS OF ALL DIMENSIONS AND ANY DISCREPANCY SHALL BE REPORTED IMMEDIATELY TO THE SUPERINTENDENT. DIMENSIONS SHALL NOT BE OBTAINED BY SCALING FROM THE DRAWINGS.
- G3. STABILITY OF THE BUILDING DURING CONSTRUCTION AND EXCAVATION IN THE VICINITY OF ADJACENT BUILDINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. NO PART OF THE STRUCTURE SHALL BE OVER STRESSED. APPROVAL OF ALL PROPOSALS MUST BE GRANTED BY THE ARCHITECT PRIOR TO THE COMMENCEMENT OF WORK.
- G4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER FORTY EIGHT (48) HOURS BEFORE THE REINFORCEMENT IS COMPLETED. THE CONTRACTOR SHALL ALLOW TWO (2) HOURS AFTER THE COMPLETION OF THE REINFORCEMENT FOR THE ENGINEER'S INSPECTION. CONCRETE SHALL NOT BE ORDERED UNTIL THE REINFORCEMENT IS APPROVED BY THE ENGINEER.
- G5. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT SAA CODES, THE BY-LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITY AND THE SPECIFICATION.
- G6. NO CHANGES SHALL BE MADE WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.
- G7. U.N.O. DENOTES UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- G8. DESIGN LIVE LOADS:
- | | |
|--|----------|
| NON-TRAFFICABLE ROOF | 0.25 kPa |
| SPECTATOR STAND, MULTI PURPOSE AREA | 5.0 kPa |
| STAIRS AND RAMPS | 4.0 kPa |
| CHANGING ROOMS BRIEFING ROOMS CANTEN & SHOWERS | 3.0 kPa |
- G9. DESIGN WIND LOADS:
- IN ACCORDANCE WITH AS1170.2.2002
- TERRAIN CATEGORY = 3
- $V_{max} = 45 \text{ m/s}$ $V_{min} = 37 \text{ m/s}$ $M_{cat} = 1.0$
- $M = 1.0$ $M_e = 1.0$ $M_i = 1.0$
- G10. DESIGN EARTHQUAKE LOADS:
- IN ACCORDANCE WITH AS1170.4.1993
- $a = 0.08$ $S = 1.0$ $I = 1.0$
- DESIGN CATEGORY:
- $K_p = 1.0$

SITE PREPARATION

- MAIN BUILDING**
- SP1. THESE NOTES ARE TO BE READ IN CONJUNCTION WITH THE GEOTECHNICAL REPORT PREPARED BY DON KATAUS KAS, DATED 2 DEC. 2013.
- SP2. REMOVE TOP SOIL, ROOT AFFECTED SOIL, FILL AND OTHER DELETERIOUS MATERIAL TO EXPOSE NATURAL SUBGRADE. EXCAVATE TO BULK EXCAVATION LEVELS.
- SP3. THE EXPOSED SUBGRADE SHOULD THEN BE PROOF ROLLED WITH AT LEAST EIGHT (8) PASSES OF A 10 TONNE MINIMUM DEAD WEIGHT ROLLER. ANY SOFT OR HEAVING AREAS SHOULD BE REMOVED TO A MAXIMUM DEPTH OF 300mm AND REPLACED WITH CLEAN WELL GRADED MATERIAL SUCH AS RIPPED OR CRUSHED SANDSTONE COMPACTED TO AT LEAST 98% OF STANDARD MAXIMUM DRY DENSITY (SMDM) AT $\pm 2\%$ OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH AS1289.
- SP4. COMPACTED FILL SHOULD BE PLACED IN LAYERS NOT EXCEEDING 150mm THICK AND COMPACTED TO AT LEAST 98% SMDM. FILL SHALL CONSIST OF CLEAN WELL GRADED MATERIAL SUCH AS RIPPED OR CRUSHED SANDSTONE.
- SP5. DENSITY TESTING SHALL BE CARRIED OUT TO LEVEL 2 CERTIFICATION IN ACCORDANCE WITH AS3798.
- ACCESSIBLE PARKING**
- SP6. REMOVE TOP SOIL, ROOT AFFECTED SOIL, FILL AND OTHER DELETERIOUS MATERIAL TO EXPOSE NATURAL SUBGRADE.
- SP7. THE EXPOSED SUBGRADE SHOULD THEN BE PROOF ROLLED WITH AT LEAST EIGHT (8) PASSES OF A 10 TONNE MIN. DEAD WEIGHT ROLLER. ANY SOFT OR HEAVING AREAS SHOULD BE REMOVED TO A MAXIMUM DEPTH OF 300mm AND REPLACED WITH CLEAN WELL GRADED MATERIAL SUCH AS RIPPED OR CRUSHED SANDSTONE COMPACTED TO AT LEAST 100% OF STANDARD MAXIMUM DRY DENSITY (SMDM) AT $\pm 2\%$ OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH AS1289.
- SP8. COMPACTED FILL SHOULD BE PLACED IN LAYERS NOT EXCEEDING 150mm THICK AND COMPACTED TO AT LEAST 100% SMDM. FILL SHALL CONSIST OF CLEAN WELL GRADED MATERIAL SUCH AS RIPPED OR CRUSHED SANDSTONE WITH A MN. CBR OF 15%.
- SP9. DENSITY TESTING SHALL BE CARRIED OUT TO LEVEL 2 CERTIFICATION IN ACCORDANCE WITH AS3798.
- SP10. SUB-BASE COURSE - TO BE DG520 OR DG540 OR RIPPED OR CRUSHED SANDSTONE WITH A CBR GREATER THAN 40%, MAXIMUM PARTICLE SIZE OF 60mm, WELL GRADED WITH A PLASTIC INDEX LESS THAN 10. COMPACT TO AN AVERAGE OF NOT LESS THAN 100% SMDM WITH A MINIMUM VALUE OF 98% SMDM.
- SP11. BASE COURSE - TO BE DG820 OR EQUIVALENT GOOD QUALITY AND DURABLE FINE CRUSHED ROCK COMPACT TO AT LEAST 100% SMDM.
- SP12. ALL KERBS TO BE FORMED BY KERB MACHINE AND NOT BY HAND.
- EXTERNAL FOOTPATHS**
- SP13. REMOVE TOP SOIL, ROOT AFFECTED SOIL, FILL AND OTHER DELETERIOUS MATERIAL TO EXPOSE NATURAL SUBGRADE.
- SP14. THE EXPOSED SUBGRADE SHOULD BE PROOF ROLLED. ANY SOFT OR HEAVING AREAS SHOULD BE REPLACED WITH CLEAN WELL GRADED MATERIAL. FILL IF REQUIRED, SHOULD BE CLEAN AND WELL GRADED. COMPACT TO 100% SMDM.
- EXTERNAL PLAYGROUND AREAS**
- SP15. REMOVE TOP SOIL, ROOT AFFECTED SOIL, FILL AND OTHER DELETERIOUS MATERIAL TO EXPOSE THE NATURAL SUBGRADE IN PREPARATION FOR PLACEMENT OF APPROVED TOP SOIL.

FOUNDATIONS

- F1. FOUNDATIONS HAVE BEEN DESIGNED TO BE SITUATED 600mm BELOW VERY STIFF CLAY WITH AN ALLOWABLE BEARING PRESSURE OF 400 kPa IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED BY DON KATAUS KAS DATED 2 DEC. 2013.
- F2. UNLESS OTHERWISE APPROVED BY THE ENGINEER, NO EXCAVATION SHALL BE CARRIED OUT CLOSER TO FOOTINGS THAN A LINE EXTENDING DOWN FROM THEIR EDGE AT 45 DEGREES.



CONCRETE

FOR 1:100 GRADIENT FALLS IN T.O.S. FINISH LEVELS TO RAINWATER HEADS AND FLOOR GULLIES. REFER TO ARCHITECTURAL LAYOUTS.

- C1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT SAA CODE AS3600, WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
- C2. CONCRETE QUALITY:

ELEMENT	SLUMP (MAX)	MAX AGG. SIZE	CEMENT TYPE	ADMIX.	CONCRETE GRADE
STRIP & PAD FOOTINGS	80	20mm	A	N/A	25 MPa
BORED PIERS	80	20mm	A	N/A	25 MPa
SLABS ON GROUND (INTERNAL)	80	20mm	A	N/A	32 MPa
SLABS ON GROUND (EXTERNAL)	80	20mm	A	N/A	32 MPa
COLUMNS	80	20mm	A	N/A	32 MPa
LIFT, RETAINING & STAIR WALLS	80	20mm	A	N/A	32 MPa
SUSPENDED SLABS & BEAMS	80	20mm	A	N/A	32 MPa
EXTERNAL BALCONIES	80	20mm	A	N/A	32 MPa
BLOCK WALL CORE GROUT FILLING	230	10mm	A	N/A	25 MPa
KEYSTONE WALL BACKFILL	80	20mm	A	NO FINES	10 MPa

SUSPENDED CONCRETE FLOORS AND GROUT FILLING OF REINFORCED BLOCK WALLS -

MIN. CEMENT CONTENT = 300 kg/m³

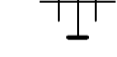
MAX. PERMISSIBLE DRYING SHRINKAGE = 600 MICROSTRAIN AT 56 DAYS.

- C3. CLEAR CONCRETE COVER IN mm TO REINFORCEMENT U.N.O. SHALL BE AS FOLLOWS:

STRUCTURAL ELEMENT	REINFORCEMENT COVER			
	INTERNAL		EXTERNAL	
	TOP	BTM	TOP	BTM
PILES	-	-	75	-
FOOTINGS	-	-	50	50
SLABS ON GROUND	30	30	40	40
SUSPENDED SLABS	25	25	40	40
SUSPENDED BEAMS	25	25	40	40
COLUMNS	30	30	40	40
CONCRETE WALLS	40	40	40	40
BLOCK RETAINING WALLS	40	40	65	65

NOTES:

- CONCRETE POURED OVER A MEMBRANE ON THE GROUND IS INCLUDED AS INTERNAL.
- CONCRETE EXPOSED TO CORROSIVE VAPOURS, CORROSIVE GROUND WATER, SEA WATER OR SPRAY IS TO HAVE REINFORCEMENT COVER AS NOTED ON THE DRAWINGS.
- CONCRETE REQUIRING A FIRE RESISTANCE RATING SHALL HAVE REINFORCEMENT COVER AS NOTED ON THE DRAWINGS.
- EXTERNAL ABOVE GROUND ELEMENTS ARE CLASSIFIED IN NEAR COASTAL ENVIRONMENT. CONDUITS, PIPES, ETC., SHALL NOT BE PLACED IN THE CONCRETE COVER TO REINFORCEMENT AND NO HOLES OR CHASES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE ALLOWED WITHOUT THE PRIOR APPROVAL OF THE SUPERINTENDENT.
- CONCRETE SIZES DO NOT INCLUDE THE THICKNESS OF APPLIED FINISHES.
- THE DEPTH OF BEAMS IS GIVEN FIRST AND INCLUDES THE SLAB THICKNESS.
- CONSTRUCTION JOINTS, WHERE NOT SHOWN, SHALL BE LOCATED TO THE APPROVAL OF THE SUPERINTENDENT.
- FORMWORK SHALL REMAIN IN POSITION FOR THE TIME SPECIFIED. WHERE SLABS AND BEAMS ARE TO SUPPORT MASONRY OVER, FORMWORK AND PROPS MUST BE REMOVED PRIOR TO THE CONSTRUCTION OF MASONRY.
- ALL CONCRETE SHALL BE MECHANICALLY VIBRATED. THE VIBRATOR SHALL NOT BE USED TO SPREAD CONCRETE.
- CONCRETE SHALL BE CURED IN ACCORDANCE WITH AS3600 WITH A PRODUCT COMPATIBLE WITH THE APPLIED FINISHES. CURING COMPOUNDS SHALL COMPLY WITH AS3799. PVA BASED CURING COMPOUNDS ARE NOT ACCEPTABLE.
- REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY. IT IS NOT NECESSARILY SHOWN IN TRUE PROJECTION.
- WELDING OF REINFORCEMENT SHALL NOT BE PERMITTED UNLESS SHOWN ON THE STRUCTURAL DRAWINGS.
- SPLICES IN THE MAIN REINFORCEMENT SHALL BE MADE ONLY IN THE POSITIONS SHOWN. SPLICES IN THE DISTRIBUTION REINFORCEMENT MAY BE POSITIONED AS NECESSARY WITH SPLICES OF SUFFICIENT LENGTH TO DEVELOP THE FULL STRENGTH OF THE BARS. MINIMUM LAPS TO FABRIC SHALL BE TO COVER LAP TWO CROSS WIRES PLUS 50mm U.N.O. REINFORCEMENT SHALL BE SECURELY TIED AT ALL LAPS AND INTERSECTIONS WITH 1.25mm BLACK ANNEALED WIRE. THE WRITTEN APPROVAL OF THE SUPERINTENDENT SHALL BE OBTAINED FOR OTHER SPLICES WHERE THE LAP LENGTH IS NOT SHOWN. IT SHALL DEVELOP THE FULL STRENGTH OF THE REINFORCEMENT.
- ALL UNSUPPORTED BARS SHALL BE TIED IN A TRANSVERSE DIRECTION WITH N12-300 U.N.O.
- REINFORCEMENT SHALL BE SUPPORTED ON APPROVED PLASTIC OR PLASTIC TIPPED WIRE STOODS AT NOT MORE THAN 600mm CENTRES BOTHWAYS IN SLABS AND AT 1000mm CENTRES IN BEAMS.



SL..... DENOTES GRADE 500 DEFORMED WIRE REINFORCING SQUARE FABRIC OF DUCTILITY CLASS L TO AS4671.

RL..... DENOTES GRADE 500 DEFORMED WIRE REINFORCING RECTANGULAR FABRIC OF DUCTILITY CLASS L TO AS4671.

R..... DENOTES GRADE 250 ROUND BARS OF DUCTILITY CLASS N TO AS4671.

N..... DENOTES GRADE 500 DEFORMED BARS OF DUCTILITY CLASS N TO AS4671.

S..... DENOTES GRADE 250 DEFORMED BARS OF DUCTILITY CLASS N TO AS4671.

C17. FABRIC SHALL BE SUPPLIED IN FLAT SHEETS. ROLLS WILL NOT BE ACCEPTED.

C18. TYPICAL REINFORCEMENT NOTATION:-

50x240 INDICATES

S..... DENOTES NUMBER OF BARS REQUIRED

N..... DENOTES GRADE OF REINFORCEMENT

24..... DENOTES BAR DIAMETER IN MILLIMETRES

200..... DENOTES BAR SPACING IN MILLIMETRES

TYPICAL ABBREVIATIONS:-

B..... DENOTES BARS IN BOTTOM LAYER

T..... DENOTES BARS IN TOP LAYER

ALT..... DENOTES BARS ALTERNATING

NF..... DENOTES BARS IN NEAR FACE

FF..... DENOTES BARS IN FAR FACE

EF..... DENOTES BARS IN EACH FACE

C19. FOR SLAB FALLS, CHAMFERS, REGLETS, DRIP GROOVES, ETC., REFER TO THE ARCHITECT'S DRAWINGS.

C20. LAP LENGTHS FOR DEFORMED BARS AS FOLLOWS:

BAR TYPE AND SIZE	VERTICAL BARS	HORIZONTAL BARS WITH MORE THAN 300mm OF CONCRETE BELOW BAR	OTHER LOCATIONS	90° COG LENGTH
N12	500	550	500	200
N16	700	800	700	200
N20	1000	1250	1000	250
N24	1200	1500	1200	300
N28	1400	1750	1400	350
N32	1600	1900	1600	400
N36	1700	2200	1700	450

STRUCTURAL STEELWORK

- SS1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT SAA CODE AS4100 EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
- SS2. ALL STEEL SHALL BE IN ACCORDANCE WITH:-
- AS'163 - GRADE 350 FOR R.H.S. SECTIONS
 - AS'163 - GRADE 200 FOR C.H.S. SECTIONS UP TO 168.1mm O.D.
 - AS'163 - GRADE 350 FOR C.H.S. SECTIONS EXCEEDING 168.1mm O.D.
 - AS3679.1 - HOT ROLLED BARS AND SECTIONS
 - AS3679.2 - WELDED I SECTIONS
- SS3. WHERE CONNECTIONS ARE NOT DETAILED, THEY SHALL BE PROVIDED WITH A MINIMUM 10 PLATE CLEAT WITH 2M20 8/8'S BOLTS.
- SS4. THE DISTANCE BETWEEN CENTRES OF FASTENER HOLES AND THE MINIMUM DISTANCE FROM THE CENTRE OF A FASTENER TO THE EDGE OF A PLATE OR FLANGE OF A ROLLED SECTION SHALL COMPLY WITH AS4100 U.N.O.
- SS5. ALL WELDS SHALL BE 6mm CONTINUOUS FILLET WELDS (6 C.F.W.) U.N.O. ALL BOLTS SHALL BE M20 8/8'S U.N.O. NO BOLT THREADS SHALL BE PERMITTED WITHIN THE BEARING LENGTH. ALL GUSSET PLATES SHALL BE 10mm THICK U.N.O.
- SS6. BUTT WELDS WHERE INDICATED "F.S.B.W." ON THE DRAWINGS, SHALL BE COMPLETE PENETRATION BUTT WELDS AS DEFINED IN AS1554.1.
- SS7. HIGH STRENGTH BOLTS, NUTS AND WASHERS SHALL COMPLY WITH AS1292, AND SHALL BE INSTALLED IN ACCORDANCE WITH AS4100. ALL HIGH STRENGTH BOLTS, DENOTED 8/8'S OR 8/8'TF GRADE, SHALL BE TIGHTENED TO THE CORRECT TENSION USING APPROVED LOAD INDICATING WASHERS.
- SS8. THE CONTRACTOR SHALL PROVIDE ALL CLEATS AND DRILL ALL HOLES NECESSARY FOR FIXING STEEL TO STEEL AND TIMBER TO STEEL WHETHER OR NOT THEY ARE DETAILED ON THE DRAWINGS.
- SS9. STEELWORK SHALL BE PROTECTED FROM THE ENVIRONMENT IN ACCORDANCE WITH AS2312.
- DESIGN LIFE OF COATINGS : 15 YEARS TO FIRST MAINTENANCE
- EXPOSURE ENVIRONMENT : MARINE
- STEELWORK SHALL HAVE THE FOLLOWING SURFACE TREATMENT IN ACCORDANCE WITH THE SPECIFICATION:-

ELEMENTS	SURFACE CLEANING	PRIMING
NOT EXPOSED TO WEATHER	ABRASIVE BLAST CLEAN TO CLASS 2 TO AS1627.	2 COATS OF ZINC PHOSPHATE TO 50 µm THICKNESS
EXPOSED TO WEATHER	CHEMICALLY DESCALED & CLEANED TO AS1627.5	HOT DIP GALV. TO AS4680, AS4750 (NT), AS4751 (NT), AS4791 OR AS4792 AS APPLICABLE
ALL BOLTS, WASHERS AND NUTS		HOT DIP GALV. TO AS1214.

NOTE:

- ALL STRUCTURAL STEELWORK SHALL BE PRIMED BEFORE BUILDING IN BRICKWORK OR CONCRETE.
- SS10. THE CONTRACTOR SHALL PREPARE AND SUBMIT FIVE (5) COPIES OF ALL WORKSHOP DRAWINGS TO THE SUPERINTENDENT FOR APPROVAL. FABRICATION SHALL NOT COMMENCE UNTIL ALL APPROVALS HAVE BEEN OBTAINED.
- SS11. HIGH STRENGTH BOLTS (GRADE 8.8) SHALL BE TIGHTENED TO EITHER SNUG TIGHT MODE (DENOTED 8.8/S) OR TO FULLY TENSIONED FRICTION TYPE MODE (DENOTED 8.8/F).
- SS12. PROVIDE FIRE RATING OF STEELWORK WHERE REQUIRED TO ARCHITECT'S DRAWINGS.

TIMBER

- T1. ALL TIMBER FRAMING WORK TO COMPLY WITH AS1684 AND AS1720 UNLESS OTHERWISE NOTED.
- T2. TERMITE PROTECTION TO BE IN ACCORDANCE WITH AS3660.
- T3. SOFTWOOD TO BE MINIMUM STRESS GRADE F7 U.N.O., HARDWOOD TO BE MINIMUM STRESS GRADE F14 U.N.O. SUBMIT SUPPLIERS CERTIFICATE AS TO STRESS GRADE OF TIMBER MEMBERS. ALL TIMBER TO BE BRANDED.
- T4. EXTERNAL TIMBER TO BE EITHER HARDWOOD DURABILITY CLASS 1 OR CLASS 2 OR IMPREGNATED PINE GRADE F7. PRESSURE TREATED TO AS1604 AND RE-DRIED PRIOR TO USE. SUPPLEMENTARY TREATMENT SHALL BE APPLIED TO ALL CUT SURFACES. SUPPLY SUPPORTING DOCUMENTATION FOR PRESERVATION TREATMENT.
- T5. ALL BOLTS IN TIMBER CONSTRUCTION TO BE MINIMUM M16 U.N.O. BOLT HOLES TO BE DRILLED EXACT BOLT SIZE. WASHERS UNDER HEADS AND NUTS TO BE AT LEAST 25 TIMES BOLT DIAMETER.
- T6. TIMBER DIMENSIONS ON THE FINISHED WIDTH AND THICKNESS TO BE:
- | SEASONED SOFTWOOD | +5, -0mm |
|---------------------|----------|
| UNSEASONED SOFTWOOD | +7, -3mm |
| SEASONED HARDWOOD | +2, -4mm |
| UNSEASONED HARDWOOD | +2, -0mm |
| SEASONED HARDWOOD | +3, -3mm |
- T7. ALL TIMBER JOINTS AND NOTCHES ARE TO BE 100mm MINIMUM AWAY FROM LOOSE KNOTS, SEVERE SLOPING GRAIN, GUM VENS OR OTHER DEFECTS.

BRICKWORK AND BLOCKWORK

- B1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT CODE AS3700 EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
- B2. STRENGTHS OF BRICKS, CLASS OF BLOCKS AND TYPE OF MORTAR (PORTLAND CEMENT : HYDRATED LIME : SAND) SHALL BE AS FOLLOWS:-

ELEMENT	MATERIAL	STRENGTH OR CLASS (C)	MORTAR TYPE CEMENT:LIME:SAND
BUILDING BRICKWORKS + BRICK RETAINING WALLS	CLAY BRICKS	COMPRESSIVE STRENGTH $f_{bc} = 20 \text{ MPa}$ CONFORMING TO ASNZS 4455	1:1:6
RETAINING WALLS	BLOCKS	GRADE 15 ($F_b = 15 \text{ MPa}$) CONFORMING TO ASNZS 4455	1:1:6 FOR BLOCKWORK GROUT REFER TO CONCRETE QUALITY

NOTE:

- THE CHARACTERISTIC EXPANSION OF BRICKWORK SHALL NOT EXCEED 0.8 mm/m.
- THE TOP TWO (2) COURSES OF BRICKS SHALL BE LAID WITH BRICK REINFORCEMENT IN THE JOINTS.
- WHEREVER BRICKWORKS ARE BUILT OFF CONCRETE SLABS, WITH THE EXCEPTION OF THE EXTERNAL OUTER SKIN OF CAVITY WALLS, THEY SHALL BE LAID ON A LIGHT GAUGE BUILDING PAPER TO PERMIT FREE MOVEMENT OF THE SLABS IN RELATION TO THE BRICKWORK.
- WHERE WALLS ARE NON-LOAD BEARING, AT EITHER HORIZONTAL OR VERTICAL FACES, THEY SHALL BE SEPARATED AS SPECIFIED BY THE ARCHITECT.
- NO HOLES OR CHASES SHALL BE CUT INTO LOAD BEARING BRICKWORK OR BLOCKWORK WITHOUT THE PRIOR APPROVAL OF THE ARCHITECT'S REPRESENTATIVE.
- WHEREVER INTERNAL BRICK OR BLOCK WALLS ABUT STEEL COLUMNS, PROVIDE GALVANISED CRIMPED FRAME TIES AT FOUR (4) COURSE VERTICAL CENTRES FOR BRICKWORK AND 2 COURSE VERTICAL CENTRES FOR BLOCKWORK. USE MASONRY EXPANSION TIE (M.E.T.) 14-300 LONG. POWER FIXED WITH 3/8 DIA. DRIVE PINS.
- EXTERNAL CAVITY TIES SHALL BE PROVIDED AT SPACINGS IN ACCORDANCE WITH THE SAA CODE AND SHALL BE M.E.T. 2-1 HEAVY DUTY HOT DIPPED GALVANISED CAVITY TIES IN FULL BRICK CONSTRUCTION AND M.E.T. 1-6 HEAVY DUTY HOT DIPPED GALVANISED CAVITY TIES IN BRICK VENEER CONSTRUCTION.
- VERTICAL CONTROL JOINTS IN CLAY AND SILICATE BRICK WALLS TO BE 1200mm MAXIMUM APART. WALL TIES, LINTELS, SHELF ANGLES, CONNECTIONS AND ACCESSORIES TO AS2699.
- PROVIDE PRE-GREASED GALV. SLIP JOINTS BETWEEN LOAD BEARING BRICKWORK AND SLAB SOFFIT.

Rev.	Date	Description	Des.	Verif.	Appd.
B	30/08/2016	AS CLOUDED	BZL	TY	TY
A	4/08/2016	CONSTRUCTION ISSUE	BZL	TY	TY

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Drawn	BZL	Date	AUG. 2015
Checked	TY	Date	
Designed	TY	Date	
Verified		Date	
Approved	<i>Antony</i>		

Client	BRIARS SPORTING CLUB			
Project	COMMUNITY AND AMENITIES BUILDING			
	ROTHWELL PARK CONCORD			
Title	GENERAL NOTES			
Scale	1:1	Size	A1	
Drawing Number	80816048-ST-0001		Revision	B

FOR CONSTRUCTION	
Scale	1:1
Size	A1
Drawing Number	80816048-ST-0001
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