DO NOT SCALE

PENRITH CITY COUNCIL
WERRINGTON DOWNS NEIGHBOURHOOD CENTRE

GENERAL

1 THE STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT.

2 ANY DISCREPANCIES SHALL BE REFERRED TO THE SUPERINTENDENT FOR DECISION BEFORE PROCEEDING WITH THE WORK.

3 ALL WORKMANSHIP AND MATERIALS SHALL COMPLY WITH THE NATIONAL CONSTRUCTION CODE OF AUSTRALIA (N.C.C.), THE RELEVANT AUSTRALIAN STANDARDS (AS), CURRENT EDITIONS WITH AMENDMENTS, THE REQUIREMENTS OF THE RELEVANT LOCAL AUTHORITIES AND WORKPLACE HEALTH & SAFETY.

4 ALL DIMENSIONS AND LEVELS RELEVANT TO SETTING OUT AND OFF-SITE WORK SHALL BE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION AND FABRICATION IS COMMENCED. THE ENGINEER'S DRAWINGS SHALL NOT BE SCALED.

5 ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE. ALL LEVELS ARE EXPRESSED IN METRES. THE ENGINEER'S DRAWINGS SHALL NOT BE SCALED.

6 DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE IN A STABLE CONDITION AND ENSURE NO PART IS OVER STRESSED AS A RESULT OF CONSTRUCTION ACTIVITIES.

7 THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORK AND FOR THE REPAIR OF ANY SERVICES DAMAGED AS A RESULT OF THE WORKS.

8 THE CONTRACTOR SHALL REINSTATE TO THEIR ORIGINAL CONDITION ANY FOOTPATHS OR PRIVATE PROPERTY DAMAGED AS A RESULT OF THE WORKS.

9 THE CONTRACTOR SHALL CONTACT AND GAIN THE APPROVALS OF ALL RELEVANT AUTHORITIES PRIOR TO COMMENCEMENT OF WORK.

DESIGN CRITERIA

1 THE STRUCTURAL ELEMENTS HAVE BEEN DESIGNED FOR THE FOLLOWING SUPERIMPOSED LIVE LOADS.
(LIVE LOAD REDUCTIONS ARE NOT APPLICABLE)

ELEMENT	LIVE LOAD (kPa)
GENERAL	3.0
ROOF	0.25
PAVING	2.5

2 WIND LOADING HAS BEEN DETERMINED IN ACCORDANCE WITH AS1170.2 BASED ON:

WIND LOAD (m/s)	= 40
IMPORTANCE LEVEL	= 2
TERRAIN CATEGORY	= TC3
SHIELDING MULTIPLIER (Ms)	= 1

3 FOR FIRE RESISTANCE LEVELS OF BUILDING ELEMENTS REFER TO ARCHITECTURAL DRAWINGS FOR SPECIFICATIONS.

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

FOUNDATIONS

1 ALL ORGANIC TOPSOIL AND DISTURBED NATURAL SOIL SHALL BE STRIPPED FROM THE PROPOSED BUILDING AND PAVEMENT AREAS. THE EXPOSED NATURAL SURFACE SHALL BE PROOF-ROLLED. ANY SOFT, WEAK OR UNSUITABLE AREAS SHALL BE REMOVED AND REPLACED WITH SELECT ENGINEERED FILL. LEVELLING FILL TO BE PLACED AND COMPACTED IN LAYERS IN ACCORDANCE WITH AS 3798.

2 FOOTINGS ARE TO BE FOUNDED IN ORIGINAL UNDISTURBED GROUND HAVING A MINIMUM SAFE BEARING CAPACITY OF 100 kPa. BEFORE CONCRETE IS PLACED, THE SAFE BEARING CAPACITY SHALL BE VERIFIED BY A QUALIFIED ENGINEER.

3 FOR BORED PIERS AN ULTIMATE END BEARING PRESSURE OF 250 kPa AND SKIN FRICTION OF 30 kPa HAS BEEN ASSUMED IN THE DESIGN OF PIERS TO BE VERIFIED BY A QUALIFIED ENGINEER.

4 MAINTAIN SLAB THICKNESS AND DEPTH AT ALL SLAB SETDOWNS.

5 EXCAVATIONS DURING CONSTRUCTION SHALL BE BATTERED AS PER THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEERING REPORT OR THE N.C.C. TEMPORARY SHORING SHALL BE INSTALLED AS REQUIRED TO MAINTAIN SUITABLE BATTERS AT BOUNDARIES.

6 WHERE REQUIRED FOUNDING MATERIAL IS DEEPER THAN THE UNDERSIDE OF THE HIGH LEVEL FOOTINGS AS DETAILED ALLOW TO BACKFILL ADDITIONAL EXCAVATION WITH N20 CONCRETE.

7 WHERE EXCAVATION WORK IS TO BE CARRIED OUT ADJACENT TO EXISTING FOOTINGS THE EXACT LEVEL OF THE UNDERSIDE OF THE FOOTINGS SHALL BE DETERMINED BY TEST PITS PRIOR TO EXCAVATION. UNDERPINNING SHALL BE CARRIED OUT AS DETAILED OR REQUIRED BY THE STRUCTURAL ENGINEER.

8 ALL FOOTING EXCAVATIONS SHALL BE FORMED AS NECESSARY WHEN EXCAVATED FACE IS NOT STABLE, DE-WATERED AND CLEANED OF LOOSE AND SOFT MATERIAL PRIOR TO PLACING CONCRETE.

9 ALL WALLS AND COLUMNS SHALL BE CONCENTRIC WITH SUPPORTING FOOTINGS UNLESS NOTED OTHERWISE ON THE DRAWINGS.

10 CARE SHALL BE TAKEN AND SUITABLE SYSTEM USED TO ENSURE THAT THE BASE OF THE PIERS ARE CLEAN OF ALL LOOSE MATERIAL. USE A CLEAN-OUT BUCKET IF REQUIRED.

11 PIERS SHALL BE LOCATED WITHIN A TOLERANCE OF 75mm OF THE LOCATION SHOWN ON THE PLAN AND WITHIN 1 IN 100 FOR THE VERTICAL LOCATION.

REINFORCEMENT

1 ALL REINFORCEMENT TO CONFORM WITH AS 1302 AND AS 1304 (CURRENT EDITIONS WITH AMENDMENTS) AND OTHER RELEVANT AUSTRALIAN STANDARDS.
REINFORCEMENT GRADES TO AS 4671:

ELEMENT	GRADE
R - HOT ROLLED PLAIN ROUND BARS	R250N
N-HIGH YIELD DEFORMED	D500N
SL/RL-STEEL WIRE REINFORCING MESH	D500L
TM-TRENCH MESH	D500L

2 LAP LENGTHS (mm) ARE TO BE NOT LESS THAN THE FOLLOWING UNLESS NOTED OTHERWISE:

ELEMENT	LAP LENGTH	COG LENGTH
R10	500	150
N12	500	160
N16	650	190
N20	800	220

TRENCH MESH LAPS SHALL BE 500mm.

SQUARE/RECTANGULAR MESH LAPS SHALL BE TWO (2) TRANSVERSE WIRES + 20 mm.

3 ALL REINFORCEMENT SHALL BE MAINTAINED IN ITS CORRECT POSITION DURING CONCRETING WITH APPROVED PLASTIC TIPPED STEEL OR PLASTIC BAR CHAIRS.

4 WELDING (INCLUDING TACK WELDING) OF REINFORCEMENT MUST BE APPROVED BY THE ENGINEER AND IS TO CONFORM TO AS 4671.

5 FOR SLAB ON GROUND, ALL RE-ENTRANT CORNERS AND CORNERS TO PENETRATIONS SHALL BE PROVIDED WITH 3-N12 TRIMMER BARS, 2000 LONG, ALIGNED DIAGONALLY, EXTENDING AN EQUAL DISTANCE EACH SIDE OF THE CORNER. TRIMMER BARS TIED TO TOP OF BOTTOM REINFORCEMENT AND BOTTOM OF TOP REINFORCEMENT UNLESS OTHERWISE NOTED.

CONCRETE

1 ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 (CURRENT EDITIONS WITH AMENDMENTS) AND OTHER RELEVANT AUSTRALIAN STANDARDS.

2 ALL CONCRETE SHALL BE PROPERLY VIBRATED USING HIGH FREQUENCY VIBRATORS TO ENSURE PROPER COMPACTION.

3 CONCRETE QUALITY:

- CONCRETE SHALL HAVE A SLUMP OF 100mm +/- 15mm
- MAXIMUM AGGREGATE SIZE OF 20mm.

4 CONCRETE STRENGTH, UNLESS NOTED OTHERWISE, SHALL BE:

ELEMENT	GRADE
FOOTING	N25
SLAB ON GROUND	N25

5 MINIMUM COVER (mm) TO ALL REINFORCEMENT UNLESS NOTED OTHERWISE SHALL BE:

ELEMENT	INTERIOR ENVIRONMENT (mm)	EXTERIOR ENVIRONMENT (mm)
FOOTING	-	50
SLAB ON GROUND	20	30

6 VAPOUR BARRIER (0.2mm MIN. THICK) TO BE USED UNDER SLABS IN CONTACT WITH GROUND. WHERE NO MEMBRANE IS USED AND EXTRA 20mm OF COVER TO REINFORCEMENT IS REQUIRED.

7 FORMWORK SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH AS 3610.

8 ALL CONCRETE SHALL BE CURED AS REQUIRED BY THE SPECIFICATION AND SECTION 17 OF AS 3600_2009 UNLESS NOTED OTHERWISE. ALL CONCRETE ELEMENTS SHALL BE CURED CONTINUOUSLY FOR A MINIMUM OF 7 DAYS.

9 CONDUITS, PIPES AND THE LIKE SHALL NOT BE PLACED WITHIN THE CONCRETE COVER.

10 THE MINIMUM CLEAR SPACING BETWEEN CONDUITS, CABLES, PIPES AND BARS TO BE AS REQUIRED BY AS 3600 BUT NOT LESS THAN THREE DIAMETERS. CONDUITS IN SLABS TO BE PLACED ABOVE BOTTOM REINFORCEMENT AND BELOW TOP REINFORCEMENT.

11 NO HOLES, CHACES OR EMBEDMENT OF PIPES OTHER THAN THOSE SHOWN SHALL BE MADE IN THE CONCRETE ELEMENTS WITHOUT PRIOR APPROVAL OF THE ENGINEER.

12 THE FACE OF EXISTING CONCRETE TO WHICH NEW CONCRETE IS TO BE CAST MUST BE THOROUGHLY SCABBLED PRIOR TO CONCRETE PLACEMENT.

13 ADMIXTURES ARE NOT TO BE USED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.

14 SIZES OF CONCRETE ELEMENTS DO NOT INCLUDE THICKNESS OF APPLIED FINISHES.

15 DEPTH OF SPECIFIED BEAM OR THICKENING INCLUDES THICKNESS OF SLAB UNLESS NOTED OTHERWISE.

16 TERMITE RISK MANAGEMENT FOR PRIMARY BUILDING ELEMENTS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF AS 3660.1 AND THE N.C.C. SECTION B1.4.

BLOCK MASONRY

1 ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3700, (CURRENT EDITIONS WITH AMENDMENTS) AND OTHER RELEVANT AUSTRALIAN STANDARDS.

2 MORTAR SHALL BE CLASS M3 TO AS 3700, TABLE 11.1

3 GROUT FOR CORE FILLING SHALL BE MINIMUM GRADE N20, A MINIMUM AGGREGATE SIZE OF 10mm AND SLUMP OF 250mm UNLESS OTHERWISE NOTED.

4 ALL HOLLOW-CORE-MASONRY TO BE COMPLETELY CORE-FILLED WITH GROUT TO NOTE 3 UNLESS NOTED OTHERWISE.

5 CLEAN OUT OPENINGS SHALL BE PROVIDED AT THE BOTTOM OF ALL CORES IN REINFORCED MASONRY.

6 MORTAR FINS PROTRUDING FROM JOINTS SHALL BE REMOVED BEFORE GROUTING OF CORES.

7 VIBRATION OR OTHER APPROVED MEANS SHALL BE USED TO ENSURE PROPER COMPACTION OF GROUT IN CORES.

8 MASONRY SHALL NOT BE CONSTRUCTED ON SUSPENDED SLABS OR BEAMS UNTIL ALL FORMWORK AND PROPS HAVE BEEN REMOVED AND CONCRETE HAS ATTAINED ITS 28 DAY STRENGTH.

9 NON LOAD BEARING WALLS SHALL BE KEPT 20mm MINIMUM CLEAR OF SLAB AND BEAM SOFFIT.

10 COVER TO REINFORCEMENT SHALL BE 15mm FROM INSIDE FACE OF BLOCK UNLESS NOTED OTHERWISE.

11 PROVIDE VERTICAL JOINTS AS SHOWN ON THE DRAWINGS OR AT MAXIMUM 8.0m SPACING.

12 MAXIMUM CORE GROUTING HEIGHT TO BE 2.4m. GROUTING HEIGHT OF 3.0m MAY BE POURED AS 2 STAGES MINIMUM 30 MINUTES APART.

CLAY MASONRY

1 ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3700, (CURRENT EDITIONS WITH AMENDMENTS) AND OTHER RELEVANT AUSTRALIAN STANDARDS.

2 ALL GAPS ARE TO BE BUILT TO A TOLERANCE OF -0mm, +3mm.

3 ALL GAPS ARE TO BE FILLED WITH COMPRESSIBLE EXPANDABLE FILLER. REFER ALSO ARCHITECT'S SPECIFICATIONS FOR FIRE RATED WALLS.

4 ALL BRICKS TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 12 MPa.

5 FOR LOAD BEARING WALLS, JOINTS SHALL HAVE SHALLOW TOOLING AS IN 'IRONED' JOINTS BUT NO RAKING OUT OF JOINTS.

6 ALL MORTAR SHALL BE CLASS M3 TO AS3700, TABLE 11.1

7 ALL WALL FINISHES MUST BE JOINTED AT THE WALL JOINTS TO PREVENT UNCONTROLLED CRACKS IN THE WALL FINISHES.

8 PROVIDE VERTICAL JOINTS AS SHOWN ON THE DRAWINGS OR AT MAXIMUM 6.0m SPACING.

9 GALVANISED BRICK TIES AT MAXIMUM 400 VERTICAL AND HORIZONTAL SPACING SHALL BE INSTALLED FOR BRICK VENEER WALLS.

TIMBER

1 ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 1684 AND AS 1720, (CURRENT EDITIONS WITH AMENDMENTS) AND OTHER RELEVANT AUSTRALIAN STANDARDS.

2 TIMBER MEMBERS NOT CALLED UP AND ALL NOMINAL FIXINGS SHALL BE IN ACCORDANCE WITH THE ABOVE CODES.

3 NOT MORE THAN 1 IN 3 BATTENS TO BE SPLICED ON 1 RAFTER.

4 ALL FASTENERS TO BE GALVANISED AND FIXED IN ACCORDANCE WITH AS 1720. EXTERNAL ABOVE GROUND TIMBER TO BE DURABILITY CLASS 1 OR H3 TREATED.

5 TIMBER JOINTS SHALL BE FREE OF DEFECTS. ALL TIMBER TO BE JOINT GROUP JD4 OR J3 MINIMUM.

6 DURING CONSTRUCTION IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT TIMBER IS PROTECTED FROM WEATHER AND STRENGTH IS NOT IMPAIRED IN ANY WAY.

7 THE ACTUAL DIMENSIONS OF THE TIMBER SHALL NOT DIFFER FROM THOSE NOMINATED ON DRAWINGS BY MORE THAN THE TOLERANCES ALLOWED IN AS 1748, AS 2082 AND AS 2858.

8 ALL TIMBER MEMBERS ARE TO HAVE A NATURAL DURABILITY OR PRESERVATIVE TREATMENT SUITABLE FOR THE HAZARD CLASS IN WHICH IT IS INSTALLED.

9 ALL PROPRIETARY ITEMS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS DETAILS.

10 LINTELS TO BE SOLID, UNJOINED TIMBER OF SIZES AND GRADES AS NOMINATED ON THE DRAWINGS. ALTERNATIVE MEMBERS MAY BE SUBMITTED FOR APPROVAL TO THE CONSULTANT PRIOR TO COMMENCEMENT. DESIGN COSTS RELATED TO THIS APPROVAL SHALL BE AT THE CONTRACTORS EXPENSE.

11 WALL FRAMING HAS BEEN DESIGNED FOR THE TRUSS LAYOUT SHOWN. ALTERNATIVE TRUSS LAYOUTS WILL REQUIRE REDESIGN OF WALL FRAMING AT CONTRACTORS EXPENSE.

12 PROVIDE TIMBER SIZE SQUARE WASHERS TO ALL BOLTED TIMBER CONNECTIONS. WASHER TO BE AGAINST TIMBER, UNDER BOLT HEADS AND NUTS. WASHER SIZE AS FOLLOWS:

WASHER (mm)	MAX. BOLT DIAMETER
25x25x1.6	M6
50x50x3.0	M12
65x65x5.0	M20

13 FRAMING ANCHORS, JOIST HANGERS AND 30x0.8 GI STRAPS ARE TO HAVE A MINIMUM OF 5 No.2.8mm DIA.x30mm LONG NAILS PER LEG/END.

14 PROTECT ENDS OF EXPOSED MEMBERS. USE A HIGHT QUALITY EXTERIOR PAINT FINISH.

15 APPLY CN EMULSION TO ALL HOUSES, END GRAINS AND JOINTS ON EXPOSED DECKS.

NOTE - STRUCTURAL REPAIRS REQUIRED AT THIS SITE ARE DETAILED IN A SEPERATE DOCUMENT ATTACHED TO THE TENDER

Project Number: S11300	Date: JUN 2019
Designed: E.S.	Checked: R.D.
Signature:	RPEQ No: 17323

MILANOVIC NEALE CONSULTING ENGINEERS
CIVIL STRUCTURAL TRAFFIC PROJECT MANAGEMENT
BRISBANE Ph No. 3171 3255 1877 | IPSWICH Ph No. 1871 3281 6603 | SYDNEY Ph No. 1300 827 901 | GOLD COAST Ph No. 1300 827 901

No.	Revision - Revise on CAD do not amend by hand	Checked	Approved	Date	M/Film
B	Issue for Tender	R.D.		31/07/19	-
A	Preliminary Issue for Review	E.S.		28/06/19	-

Status: ISSUE FOR TENDER

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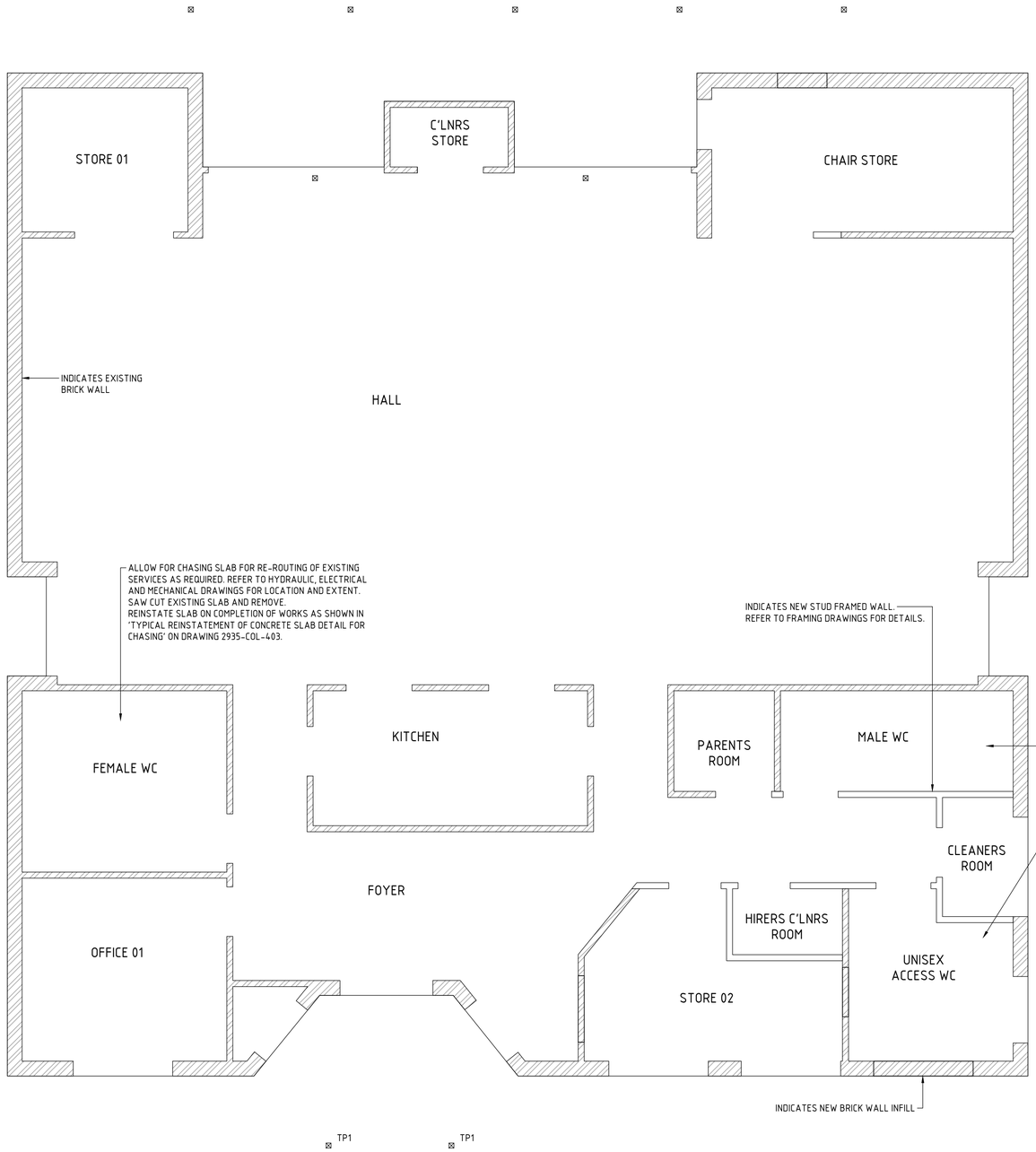
Client and Job: Penrith City Council — Documentation for Werrington Downs Neighbourhood Centre

Title: WERRINGTON PROJECT STRUCTURAL NOTES

Drg. No. 2935- WD - 400 | Size A1 | Rev B

DO NOT SCALE



GROUND FLOOR WORKS PLAN

SCALE 1:50

NOTE
CONFIRM LOAD BEARING WALLS IN EXISTING BUILDING PRIOR TO DEMOLITION WORKS
CONFIRM BRACING WALLS IN EXISTING BUILDING PRIOR TO DEMOLITION WORKS

NOTES

G1	REFER TO DRAWING 2935-WD-400 FOR PROJECT NOTES.
G2	REFER TO ARCHITECTURAL DRAWINGS FOR ALL SETTING OUT DIMENSIONS. ANY DISCREPANCIES BETWEEN THE ENGINEERING AND ARCHITECTURAL DRAWINGS TO BE RESOLVED PRIOR TO CONSTRUCTION COMMENCING.
G3	BUILDER IS TO ENSURE ALL TIMBER SPECIFIED IN EXTERNAL LOCATIONS IS A SUITABLE DURABILTY CLASS FOR THIS APPLICATION OR HAS BEEN TREATED TO THE CORRECT HAZARD LEVEL.

WALL FRAMING

STUDS	90x35 MGP12 AT 450 CRS MAX
TOP PLATE	2/35x90 MGP12
BOTTOM PLATE	1/35x90 MGP12
NOGGINGS	35x90 MGP12 AT MAX 1350 CRS

LEGEND

MARK	DESCRIPTION
TP1	90x90 HWD POST. DURABILITY CLASS 1. (REPLACE EXISTING ROTTED POST) REFER TO NEW POST DETAIL ON DRAWING 2935-WD-4021

NOTE

INTERNAL WALLS HAVE BEEN ASSUMED TO BE NON LOAD BEARING WALLS. TO BE CONFIRMED ON SITE BEFORE DEMOLITION. IF LOAD BEARING, ENGINEER TO BE CONTACTED TO PROVIDE DETAIL.

BRACING NOTE

ANY BRACING WALL TO BE DEMOLISHED AS PART OF PROPOSED REFURBISHMENT SHOULD BE REPLACED BY WALLS HAVING AN EQUAL BRACING CAPACITY IN THE NEW LAYOUT

C	Issue for Tender	R.D.		06/11/19	-
B	Issue for Tender	R.D.		31/07/19	-
A	Preliminary Issue for Review	E.S.		28/06/19	-
No.	Revision - Revise on CAD do not amend by hand	Checked	Approved	Date	M/Film

Scale 0 1 2 1:50
A1 UNREDUCED 1:50 AT A1 1:100 AT A3
Status ISSUE FOR TENDER

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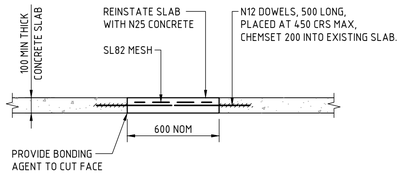
Client and Job: Penrith City Council
Documentation for Werrington Downs Neighbourhood Centre

Title: WERRINGTON
GROUND FLOOR WORKS PLAN

Drg. No. 2935- WD - 401
Size A1
Rev C

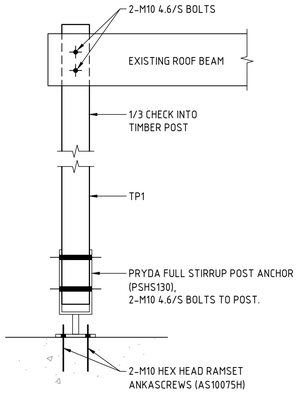
DO NOT SCALE



TYPICAL REINSTATEMENT OF CONCRETE SLAB DETAIL FOR CHASING

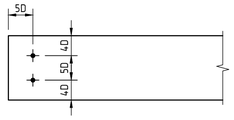
SCALE 1:20

NOTE:
- ASSUMED STIFFENED RAFT SLAB ON GROUND (IF DIFFERENT, INFORM ENGINEER).
- CONTRACTOR TO PROVIDE MOISTURE BARRIER AND TERMITE TREATMENT.
- IF SERVICES CONFLICT WITH FOOTING BEAM, ENGINEER TO BE ADVISED TO PROVIDE DETAILS.



NEW TIMBER POST 'TP1' DETAIL

SCALE 1:10

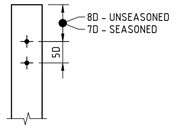


NOTE
D = DENOTES BOLT DIAMETER

ADOPT M12 BOLTS U.N.O.

TYPICAL SPACING, EDGE AND END DISTANCES FOR TIMBER BEAMS , JOISTS AND RAFTERS BOLTED CONNECTION U.N.O.

SCALE NTS



NOTE
D = DENOTES BOLT DIAMETER

ADOPT M12 BOLTS U.N.O.

TYPICAL SPACING AND END DISTANCE FOR TIMBER POST IN BOLTED CONNECTIONS U.N.O.

SCALE NTS

Project Number: S11300	Date: JUN 2019
Designed: E.S.	Checked: R.D.
Signature:	RPEQ No: 17323

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No.	Revision - Revise on CAD do not amend by hand	Checked	Approved	Date	M/Film
B	Issue for Tender	R.D.		31/07/19	-
A	Preliminary Issue for Review	E.S.		28/06/19	-

Scale 0 1 1:20
A1 UNREDUCED 1:20 AT A1 1:40 AT A3
Status: ISSUE FOR TENDER

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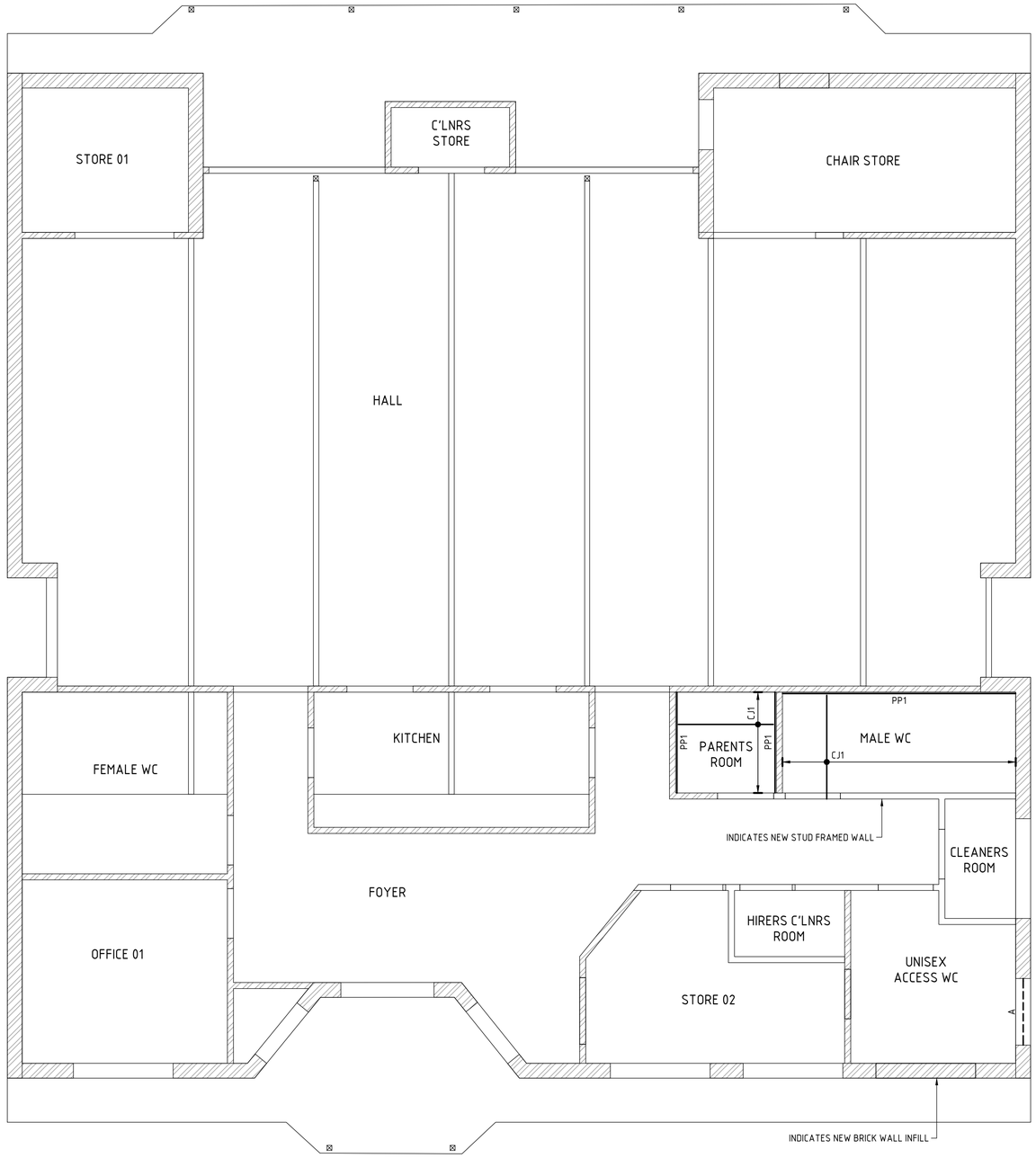
Client and Job: Penrith City Council
Documentation for Werrington Downs Neighbourhood Centre

Title: WERRINGTON
GROUND FLOOR WORKS DETAILS

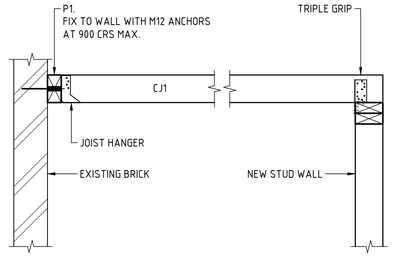
Drg. No. 2935- WD - 402 | Size A1 | Rev B

DO NOT SCALE



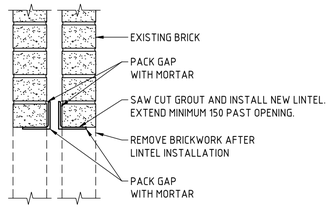
CEILING FRAMING LAYOUT

SCALE 1:50



TYPICAL CEILING JOIST 'CJ1' DETAIL

SCALE 1:10



TYPICAL BRICK LINTEL 'A' DETAIL

SCALE 1:10

NOTE
EXISTING BRICK WALLS TO BE KEPT IN A STABLE CONDITION DURING CONSTRUCTION

NOTES

G1	REFER TO DRAWING 2935-WD-400 FOR PROJECT NOTES.
G2	REFER TO ARCHITECTURAL DRAWINGS FOR ALL SETTING OUT DIMENSIONS. ANY DISCREPANCIES BETWEEN THE ENGINEERING AND ARCHITECTURAL DRAWINGS TO BE RESOLVED PRIOR TO CONSTRUCTION COMMENCING.
G3	BUILDER IS TO ENSURE ALL TIMBER SPECIFIED IN EXTERNAL LOCATIONS IS A SUITABLE DURABILTY CLASS FOR THIS APPLICATION OR HAS BEEN TREATED TO THE CORRECT HAZARD LEVEL.

LEGEND

MARK	DESCRIPTION
CJ1	90x35 MGP12 AT 600 CRS CEILING JOISTS BETWEEN EXISTING AND PROPOSED WALLS. REFER TO DETAIL.
PP1	90x45 MGP12 POLE PLATE FIXED TO EXISTING BRICKWORK WITH M12 ANCHORS AT 900 CRS. REFER TO DETAIL.

WALL FRAMING

STUDS	90x35 MGP12 AT 450 CRS MAX
TOP PLATE	2/35x90 MGP12
BOTTOM PLATE	1/35x90 MGP12
NOGGINGS	35x90 MGP12 AT MAX 1350 CRS

BRICK LINTEL SCHEDULE

MARK	SECTION	COMMENT
A	DOUBLE 90x6 EA	LINTEL TO EXTENT 150 MIN BEYOND OPENING

C	Issue for Tender	R.D.		06/11/19	-
B	Issue for Tender	R.D.		31/07/19	-
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Client and Job: Penrith City Council
Documentation for Werrington Downs Neighbourhood Centre

Title: WERRINGTON
CEILING FRAMING LAYOUT

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