

ALL DRAWINGS, REPORTS, SPECIFICATIONS, BILLS OF QUANTITIES, CALCULATIONS AND ANY OTHER RELEVANT DOCUMENTS WITH THIS PROJECT SHALL REMAIN VESTED IN PH&S Pty. Limited. PROVIDED BY PH&S Pty. Limited IN CONNECTION WITH COPYRIGHT IN

THESE 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.

ALL DISCREPANCIES SHALL BE REFERRED TO THE ARCHITECT FOR DECISION BEFORE PROCEEDING WITH THE WORK.

G2. ALL DIMENSIONS REFER TO SETTING OUT AND OFF-SITE WORK SHALL BE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION AND FABRICATION IS COMMENCED.

G3. DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE STRUCTURAL DRAWINGS.

G4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.  
ALL LEVELS ARE EXPRESSED IN METRES.

G5. DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE IN A STABLE CONDITION AND ENSURING NO PART SHALL BE OVERSTRESSED UNDER CONSTRUCTION ACTIVITIES.

G6. WORKMANSHIP AND MATERIALS ARE TO BE IN ACCORDANCE WITH REFER CLIENT S.A.'S CODES INCLUDING ALL AMENDMENTS, AND THE LOCAL STATUTORY AUTHORITIES, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.

G7. THE APPROVAL OF A SUBSTITUTION SHALL BE SOUGHT FROM THE ENGINEER BUT IS NOT AN AUTHORIZATION FOR AN EXTRA INTRAS INVOLVED MUST BE TAKEN UP WITH THE OWNER / CLIENT / ARCHITECT BEFORE THE WORK COMMENCES.

G8. ROOF CONSTRUCTION:-  
ALL ROOFS TO BE TIED DOWN WITH H.D. GALV. STRAPS AS PER GOOD BUILDING PRACTICE. IF BUILDER IS IN DOUBT HE SHOULD GET GUIDANCE FROM THE ENGINEER.

G9. IF STRUCTURAL DRAWINGS DO NOT COVER A PARTICULAR STRUCTURAL DETAIL, THEN THE BUILDER SHALL SKETCH UP DETAIL AND FAX IT TO THE STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO ERECTION.

G10. THE WORD "THE ENGINEER" USED IN THESE NOTES REFER TO AN EMPLOYEE OR NOMINATED REPRESENTATIVE OF **PORTES PROJECT AND SERVICES**

G11. THE CONTRACTOR IS TO EMPLOY A QUALIFIED GEOTECHNICAL ENGINEER AS REQUIRED FOR ALL GEO TECHNICAL ASPECTS OF THE BUILDING WORKS.  
REFER FOR FOUNDATION, GROUNDWORKS AND RETENTION/SHORING NOTES.  
REFER ALSO TO THE GEOTECHNICAL REPORT FOR THIS PROJECT.

G12. THE CONTRACTOR MUST INSPECT AND SIGN OFF ALL STRUCTURAL ELEMENTS (e.g. CONCRETE PROFILES OF SLABS, BEAMS, REINFORCEMENT COVERS, STEEL & TIMBER BEAMS, PURLIN SLABS & CONNECTIONS etc.) PRIOR TO REQUESTING AN INSPECTION FROM THE ENGINEER.  
THE ENGINEER IS TO BE GIVEN 48 HOURS NOTICE OF INSPECTIONS BEING REQUIRED BEFORE ANY STRUCTURAL WORK IS CONCEALED.

G13. SUB-CONTRACTOR FOR PRECAST CONCRETE PANELS, POST-TENSIONED SLABS & STRUCTURAL STEELWORK SHALL SUBMIT MINIMUM OF 2 COPIES OF SHOP DRAWINGS TO THE ENGINEER FOR REVIEW & TO BE APPROVED PRIOR TO FABRICATION AND CONSTRUCTION.

G14. ALL SERVICE CONSULTANTS WORKS FOR SEWERAGE, DRAINAGE, HYDRAULICS, ELECTRICAL, FLIES, AIR CONDITIONING etc., THAT ARE NOT SHOWN ON OUR DRAWINGS SHALL BE THE RESPONSIBILITY OF OTHERS.

G15. THE "TENDER ISSUE SET" OF THESE DRAWINGS IS BASED ON PRELIMINARY ARCHITECTURAL INFORMATION AND PRELIMINARY ENGINEERING DESIGN.  
QUANTITIES AND RATES GIVEN ARE FOR INITIAL PRICING AND MAY VARY IN LATER- FOR CONSTRUCTION ISSUE DOCUMENTS.  
THE TENDERER IS TO ALLOW FOR THIS WITH NO CLAIM FOR A VARIATION.

ELEMENTS		KPa
a.	PARKING	2.5
	GROUND FLOOR	1.5
	LEVELS 1, 2, 3 & ROOF	1.5
	PARTITIONS AS DEAD LOAD	
	GROUND FLOOR, 1, 2 & 3	1.0
	PLANT ROOM LIVE LOADS	5.0
	ROOF DEAD LOAD	1.0
b.	MASONRY PARTITIONS AS INDICATED ON ARCHITECTS DRAWINGS	

THE CONTRACTOR SHALL ENSURE THAT ALL PERSONNEL ON SITE HAVE BEEN ADEQUATELY TRAINED AND ARE AWARE OF ALL HEALTH AND SAFETY REGULATIONS.

- F1. FOUNDATIONS ARE TO BE FOUND ON ORIGINAL ALLUVIAL SOIL HAVING A SAFE BEARING CAPACITY OF 150 KPa OR BETTER BEFORE ANY CONCRETE IS PLACED THE SAFE BEARING CAPACITY SHALL BE VERIFIED BY A QUALIFIED GEOTECHNICAL ENGINEER.
- F2. REFER TO GEOTECHNICAL REPORT FOR DETAIL OF SOIL CONDITIONS.
- F3. OVER EXCAVATION OUTSIDE TOLERANCE LIMITS SHALL BE BACKFILLED WITH CONCRETE GRADE N20.
- F4. EXCAVATION NEAR FOOTINGS, WALLS, SHORING SYSTEMS, EXISTING BUILDINGS etc. SHALL NOT EXTEND BELOW FOUNDATION LEVEL WITHOUT THE ENGINEERS APPROVAL.
- F5. ALL FOOTINGS SHALL BE LOCATED CENTRALLY UNDER WALLS AND COLUMNS U.N.O.
- F6. DO NOT BACKFILL RETAINING WALLS (OTHER THAN CANTILEVER WALLS) UNTIL FLOOR CONSTRUCTION AT TOP AND BOTTOM IS COMPLETED.
- F7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ANY EXCAVATION IN A STABLE CONDITION WITHOUT ADVERSELY AFFECTING SURROUNDING PROPERTY INCLUDING SEWER LINES.  
THIS INCLUDES OBTAINING ALL NECESSARY APPROVALS FOR SHORING AND ANCHOR SYSTEMS.
- F8. ASSUMED FOUNDATION TYPE: FOUNDATION STRUCTURAL ADEQUACY TO BE CONFIRMED DURING FOOTING EXCAVATION WORKS
- F9. AREA MAY BE AFFECTED WITH FILL AND HIGH ORGANIC SOILS THAT MAY MAKE IT STRUCTURALLY INADEQUATE TO SUPPORT THE PROPOSED LOAD
- F10. PILES MAY BE REQUIRED TO SUPPORT FOOTINGS.
- F11. IF DURING EXCAVATION THE FOUNDATION TYPE AT FOOTING LEVEL FOUND TO BE FILL / ORGANIC SOILS, PILES MUST BE INTRODUCED
- F12. PILES SHALL BE Ø300mm AT 1.3m MAXIMUM CENTERS REDUCED WITH Ø150mm MAIN BARS R10-250 CROS TIES. PILES TO BE EMBEDDED 500mm MINIMUM INTO ALLUVIAL FOUNDATION TYPICAL

C1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 AND OTHER RELEVANT AUSTRALIAN CODES.

C2. CONCRETE COMPONENTS AND QUALITY SHALL BE AS FOLLOWS:-

ELEMENT	SLUMP	AGGREGATE	Pc (MPa)
FOOTING	80	20	N25
PILES	80	20	N40
SLAB ON GROUND	60	20	N25
WALLS (CONCRETE)	110	10	N40
WALLS (BLOCK)	110	10	N25
COLUMNS	110	20	N40
SUSPENDED SLABS	80	20	S40

NOTE:-  
MAXIMUM DRYING SHRINKAGE STRAIN (TO AS 1012  
PART 13) SHALL NOT EXCEED 700 MICROMETERS  
AT 56 DAYS.

- C3. SIZES OF CONCRETE ELEMENTS DO NOT INCLUDE THICKNESS OF APPLIED FINISHES.

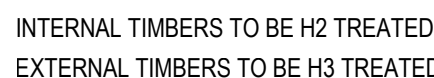
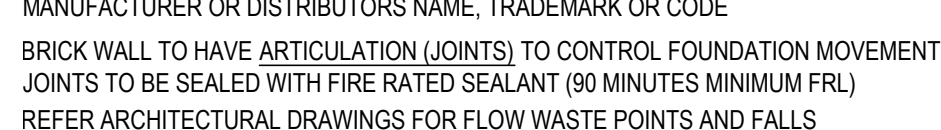
- C6. BEAM DEPTHS ARE WRITTEN FIRST AND INCLUDE SLAB THICKNESS, IF ANY.
- C5. NO HOLES, CHASES OR EMBEDMENT OF PIPES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT PRIOR APPROVAL OF THE ENGINEER.
- C6. CONSTRUCTION JOINTS SHALL BE PROPERLY FORMED AND USED ONLY WHEN SHOWN OR SPECIFICALLY APPROVED BY THE ENGINEER.
- C7. CONDUITS, PIPES AND THE LIKE SHALL NOT BE PLACED WITHIN THE CONCRETE COVER.
- C8. CURING OF CONCRETE SHALL BE IN ACCORDANCE WITH AS 3600 AND SHALL COMMENCE WITHIN 2 HOURS OF FINISHING OPERATIONS AND SHALL BE MAINTAINED FOR A MINIMUM OF 7 DAYS USING AN APPROVED PROPRIETARY CURING COMPOUND (EXCEPT CHLORINATED RUBBER BASED TYPE) OR CONTINUOUS PONDING WITH POTABLE WATER.
- C9. ALIPHATIC ALCOHOL:-  
WHEN SHADE TEMPERATURE EXCEEDS 35 °C SPRAY THE EXPOSED SURFACE OF CONCRETE SLAB DURING THE PLACING AND FINISHING OPERATION WITH FINE FILM OF APPROVED ALIPHATIC ALCOHOL.  
REPEAT THE SPRAY IF THE SPRAYED SURFACE HAS BEEN RE-WORKED.
- C10. ENSURE ADEQUATE SUPPLY OF ALIPHATIC ALCOHOL ON SITE BEFORE COMMENCING CONCRETE WORK.
- C11. MAXIMUM LIFT OF POUR FOR CONCRETE ELEMENTS TO BE 3 m UNLESS METHOD OF PLACEMENT HAS BEEN APPROVED BY THE ENGINEER.
- C12. ALL CONCRETE SHALL BE SUPPLIED BY MANUFACTURERS WITH A QUALITY MANAGEMENT SYSTEM IN PLACE TO AT LEAST THE REQUIREMENTS OF AS 1379. ALL CONCRETE DELIVERED TO SITE SHALL BE SUBJECT TO PROJECT ASSESSMENT FOR STRENGTH AND COMPRESSIVE STRENGTH AND ANY OTHER TESTS SPECIFIED. THE CONTRACTOR SHALL NOMINATE A CONCRETE DELIVERY SUPERVISOR WHO SHALL BE A SUITABLY EXPERIENCED PERSON TO THE APPROVAL OF THE ENGINEER, TO MONITOR THE DELIVERY AND PLACING OF THE CONCRETE FOR EACH HOUR ON THE PROJECT.
- C13. PROJECT ASSESSMENT FOR CONCRETE SAMPLING AND TESTING, AS DESCRIBED IN AS1379 SHALL APPLY. IN ADDITION TO AT LEAST TWO INITIAL SETS OF RESULTS ON TRIAL MIXES, THE CONTRACTOR SHALL SAMPLE AND TEST FOR DRYING SHRINKAGE EACH TYPE OF CONCRETE SUPPLIED, AT LEAST EVERY MONTH DURING THE COURSE OF THE PROJECT OR FOR EVERY 1000 CUBIC METERS PLACED, AND PROVIDE REPORTS. NATA TEST CERTIFICATES, OR FACSIMILE COPIES OF THESE, SHALL BE FORWARDED TO THE ENGINEER IMMEDIATELY THEY ARE AVAILABLE. THE CONTRACTOR SHALL ALSO BE REQUIRED TO KEEP IN TABULATED FORM ON THE SITE.
- C14. PROVIDE FILLS, DRIP GROOVES etc. TO EXPOSED CONCRETE EDGES. IF IN DOUBT OBTAIN INFORMATION FROM THE ARCHITECT.

M1 ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3700.

M2 THE DESIGN STRENGTH OF MASONRY SHALL BE AS FOLLOWS  
UNO :

Durability Requirements			
Mortar	Salt Attack Resistance Grade	Built In Component	Min. Cover to Reinforcement & Tendons in Grouted Cavities
M2	Protected	R1 (Galv'd 300 g/m <sup>2</sup> each side)	5
M3	General Purpose	R3 (Galv'd 470 g/m <sup>2</sup> each side)	15
M4	Exposure	R4 (Stainless)	30

- M3 ALL MASONRY WALLS SUPPORTING SLABS AND BEAMS SHALL HAVE A PRE-PRECAST TWO LAYER GALVANISED STEEL SLIP JOINT BETWEEN CONCRETE AND MASONRY.
- M4 ALL MASONRY WALLS SUPPORTING OR SUPPORTED BY CONCRETE FLOORS SHALL BE PROVIDED WITH VERTICAL JOINTS TO MATCH ANY CONTROL JOINTS IN THE CONCRETE.
- M5 NON LOAD BEARING WALLS SHALL BE SEPARATED FROM CONCRETE ABOVE BY 12 MM THICK CLOSED CELL POLYETHYLENE STRIP.
- M6 PROVIDE VERTICAL CONTROL JOINTS AT 6 METRES MAXIMUM CENTRES, AND 4 METRES MAXIMUM FROM CORNERS IN MASONRY WALLS, AND BETWEEN NEW & EXISTING BRICKWORK.
- M7 MASONRY RETAINING WALLS ARE TO BE BACKFILLED WITH EITHER OF THE FOLLOWING MATERIAL:-  
- COARSE GRAINED SOIL WITH LOW SILT CONTENT  
- RESIDUAL SOIL CONTAINING STONES  
- FINE SILTY SAND  
- GRANULAR MATERIALS WITH LOW CLAY CONTENT
- M8 BRICK TIES SHALL BE IN ACCORDANCE WITH THE FOLLOWING:-  
- NOT GREATER THAN 600mm IN EACH DIRECTION.  
- ADJACENT TO LATERAL SUPPORTS AND CONTROL JOINTS, AND AROUND OPENINGS IN THE MASONRY AT A SPACING OF NOT MORE THAN 300mm AVERAGE AND 400mm MAXIMUM ALONG THE LINE OF THE LATERAL SUPPORT OR THE CONTROL JOINT OR AROUND THE PERIMETER AND LOCATED WITHIN 300mm FROM THAT LINE OF SUPPORT OR CONTROL JOINT OF CORNER OF OPENING.  
- FOR EACH STORY OF A VENEER CONNECTED TO A FLEXIBLE STRUCTURE, BACKLAP VENEER TIES SHALL BE LOCATED WITHIN 250mm FROM THE TOP OF THE VENEER, AND THE NUMBER OF TIES IN THE TOP ROW SHALL BE DOUBLE THAT REQUIRED FOR THE NOMINAL SPACING ELSEWHERE IN THE WALL. WHEN THE VENEER IS CONTINUOUS PAST A HORIZONTAL FLOOR SUPPORT, THE FIRST ROW OF TIES ABOVE THIS SUPPORT SHALL BE LOCATED 250mm FROM THE SUPPORT, AND THE NUMBER OF TIES ABOVE THIS SUPPORT SHALL BE DOUBLE THAT REQUIRED FOR THE NOMINAL SPACING ELSEWHERE IN THE WALL.



Portes Project & Services Pty Ltd  
G4 / 440 Burwood Rd Belmore NSW 2192  
P.O.BOX. 4173 Bexley North NSW 2207  
Tel: 02 9703 3650 Mobile: 0412 258 348  
Email: [info@portes.com.au](mailto:info@portes.com.au) [www.portes.com](http://www.portes.com)

**PROPOSED OUT BUILDING at  
25 HUDSON PARADE, CLAREVILLE**

GENERAL NOTES  
STRUCTURAL DETAILS

DRAWN:	DESIGN:	DRAWING SIZE
RSJ	MP	A1

DATE:	SCALE: UNO
06Apr2020	1:100 @ A1
	1:200 @ A3

PROJECT NUMBER:

20-172

DRAWING NUMBER:

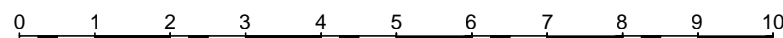
S1.0

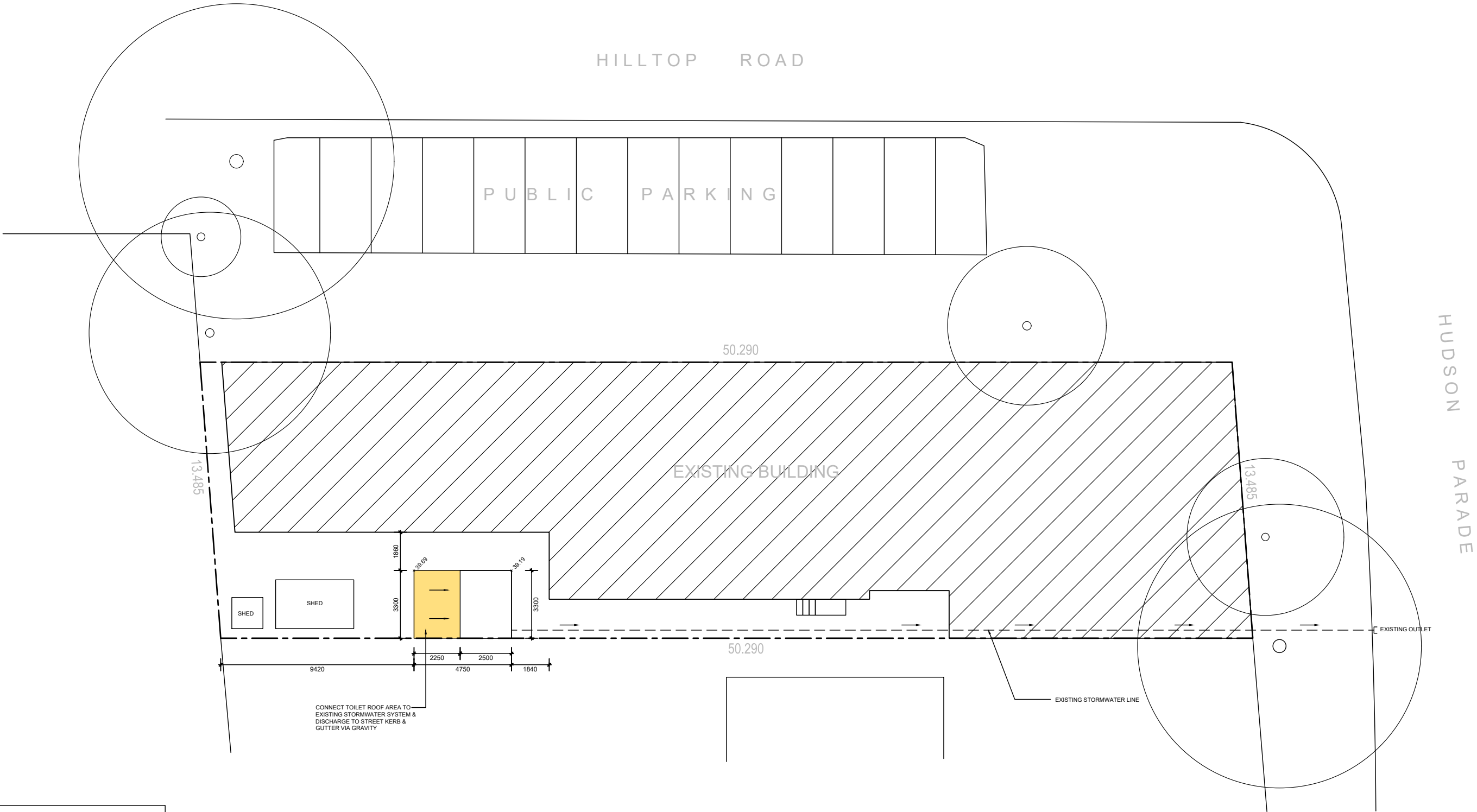
ISSUE:

A

IF IN DOUBT ASK

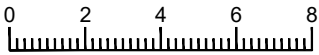
NO INSPECTION = NO CERTIFICATE







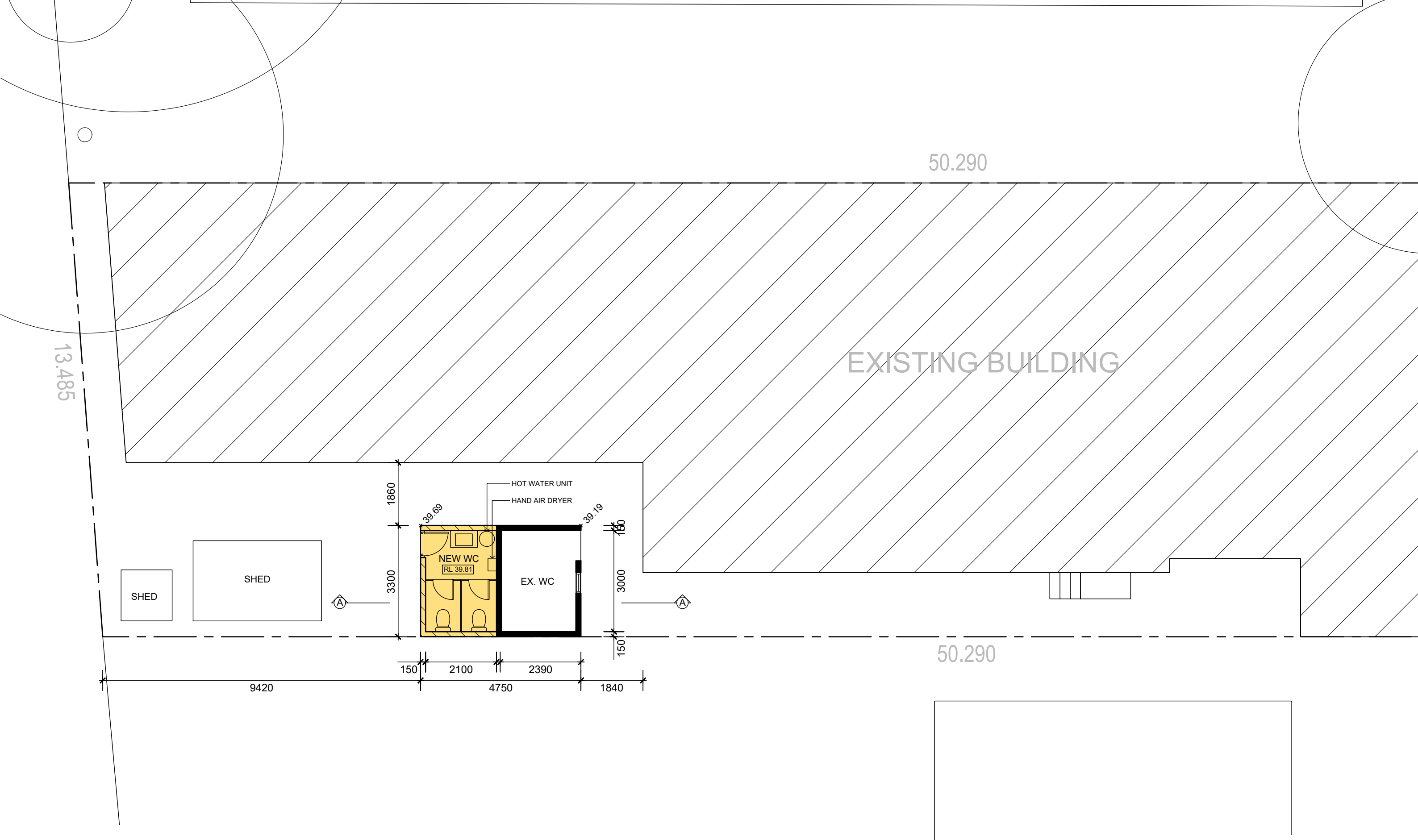
STORMWATER DRAINAGE NOTE


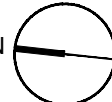
IMPERMEABLE AREA ON SITE TO REMAIN AS EXISTING.  
ALL ROOF & SURFACE WATER TO BE CONNECTED TO EXISTING STORMWATER SYSTEM & DISCHARGED TO STREET KERB & GUTTER VIA GRAVITY.

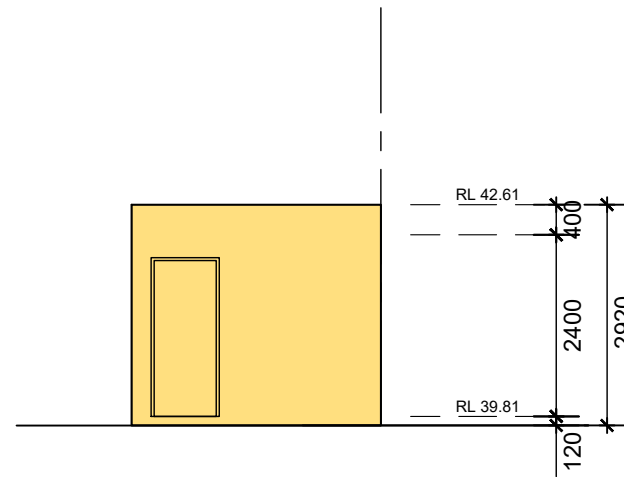


AMENDMENTS			 PO BOX 1749 BONDI JUNCTION NSW 1355 PHONE: 0419 438 956 EMAIL: info@coronaprojects.com.au	DRAWING: SITE PLAN / STORMWATER DRAINAGE PLAN	PROJECT: PROPOSED OUTBUILDING	SHEET No: 00	
				SCALE: 1:200 @ A3	ADDRESS: 25 HUDSON PARADE CLAREVILLE	DATE: MARCH 2020	

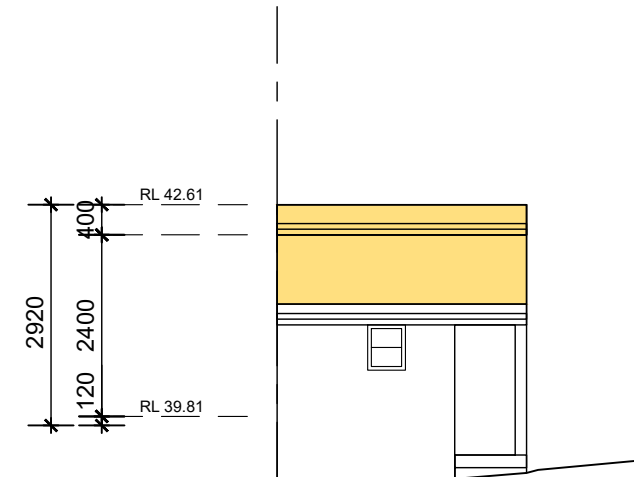




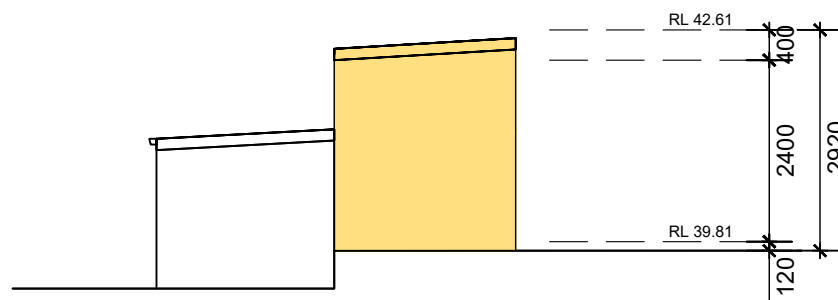
AMENDMENTS			 PO BOX 1749 BONDI JUNCTION NSW 1355 PHONE: 0419 438 956 EMAIL: info@coronaprojects.com.au	DRAWING: PLAN	PROJECT: PROPOSED OUTBUILDING	SHEET No: 01	
				SCALE: 1:100 @ A3	ADDRESS: 25 HUDSON PARADE CLAREVILLE	DATE: MARCH 2020	



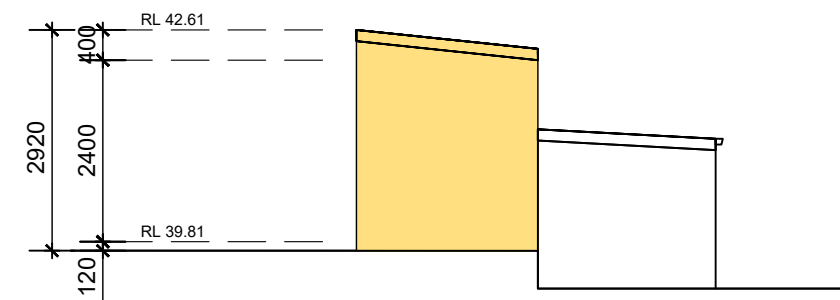
SOUTH ELEVATION



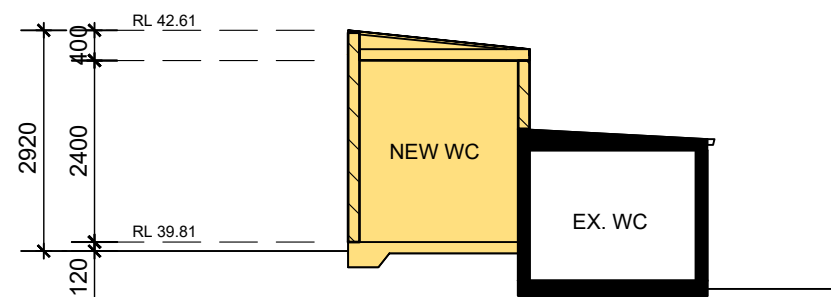
NORTH ELEVATION



WEST ELEVATION




EAST ELEVATION



SECTION A - A



AMENDMENTS			 <b>Corona Projects</b> PO BOX 1749 BONDI JUNCTION NSW 1355 PHONE: 0419 438 956 EMAIL: info@coronaprojects.com.au	DRAWING: ELEVATIONS	PROJECT: PROPOSED OUTBUILDING	SHEET No: 02
				SCALE: 1:100 @ A3	ADDRESS: 25 HUDSON PARADE CLAREVILLE	DATE: MARCH 2020