

SIA STRUCTURAL INNOVATIONS AUSTRALIA

CONSULTING ENGINEERS

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PROJECT

PROPOSED NEW RESIDENCE

8 OWEN STREET, WELLINGTON POINT, QLD

SIA JOB NO.

13705

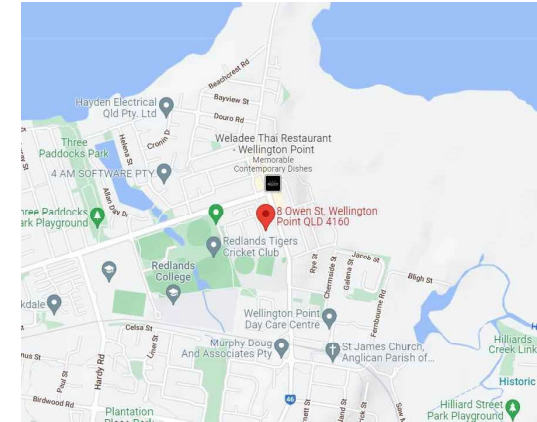
CLIENT

ALEX & JADE WATSON

PROJECT ARCHITECT



CONTACT DETAILS
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LOCALITY PLAN

DRAWING TRANSMITTAL

DRAWING No.	TITLE	ISSUE 11/22	ISSUE 11/22	ISSUE 12/22	ISSUE -
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S300	BRACING PLAN	A			
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S401	POOL SECTIONS & DETAILS	A			
S402	POOL SECTIONS & EXCAVATION DETAILS	A			

ISSUE "P1" DENOTES PRELIMINARY ISSUE 1
ISSUE "A" DENOTES APPROVAL / TENDER ISSUE
ISSUE "1" DENOTES CONSTRUCTION ISSUE 1



PERSPECTIVE VIEW
(IMAGE BY KANDICE MCBRIDE)

SAFETY IN DESIGN NOTES

SD00 – GENERAL

IT IS THE CLIENT'S RESPONSIBILITY TO PROVIDE THIS 'SAFETY IN DESIGN REPORT' TO THE BUILDER, PROJECT MANAGER AND / OR PRINCIPAL CONTRACTOR.

IN ACCORDANCE WITH THE WORK HEALTH AND SAFETY ACT REGULATION 2011, THE FOLLOWING TASKS HAVE BEEN IDENTIFIED AS POTENTIAL CONSTRUCTION HAZARDS ASSOCIATED WITH IMPLEMENTING THE DESIGN AS DOCUMENTED.

HEALTH HAZARDS

SD01 – DISPOSING OF DANGEROUS SITE MATERIAL

THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR IS TO ADEQUATELY TREAT AND DISPOSE OF DANGEROUS SITE MATERIALS INCLUDING CONTAMINATED SOIL AND ASBESTOS IN ACCORDANCE WITH AUTHORITY REGULATIONS, INDUSTRY STANDARDS AND PRACTICES.

SAFETY HAZARDS

SD02 – SITE HAZARDS & RISKS

IT IS THE CLIENT'S AND BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR'S RESPONSIBILITY TO MAKE THE DESIGNER AWARE OF ANY INFORMATION RELATING TO HAZARDS AND RISKS WHERE CONSTRUCTION WORK IS CARRIED OUT, INCLUDING LOCATION OF UNDERGROUND AND ABOVE GROUND SERVICES, IDENTIFICATION OF CONTAMINATED SOILS AND OTHER MATERIALS OR THE PRESENCE OF DANGEROUS MATERIAL. THE DESIGNER IS TO BE NOTIFIED OF ANY ELEMENTS NOT SHOWN ON THE APPROVED DRAWINGS AS THE DESIGN AND SAFETY DESIGN REPORT MAY REQUIRE AMENDING.

SD03 – SITE MAINTENANCE

IT IS THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR RESPONSIBILITY TO ENSURE THAT THE SITE IS MAINTAINED IN A SAFE WORKING MANNER AND THAT ALL SITE PRACTICES ARE IN ACCORDANCE WITH THE CURRENT WORKPLACE HEALTH AND SAFETY LAWS AND REGULATIONS.

SD04 – SLIPS, TRIPS AND FALLS

AT ALL TIMES THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR IS TO PROVIDE SAFE ACCESS ONTO AND AROUND THE BUILDING SITE INCLUDING ADEQUATE STAIRS, SCAFFOLDING, SECURE LADDER ACCESS, SAFE WORKING PLATFORMS, ACCESS PATHS FREE FROM FALLING OBJECTS, ADEQUATE RAILING, FALL ARREST SYSTEMS. ETC

SD05 – EQUIPMENT

IT IS THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL CONSTRUCTION EQUIPMENT IS USED IN ACCORDANCE WITH THE BEST INDUSTRY SAFETY PRACTICES AND REGULATIONS. ALL SITE PERSONNEL ARE TO BE PROVIDED WITH ADEQUATE SPACE, VENTILATION AND APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT TO UNDERTAKE THE WORKS AS REQUIRED. ALL SITE MACHINERY AND ELECTRICAL EQUIPMENT ARE TO BE KEPT IN GOOD WORKING ORDER WITH SAFETY TAGGING AND SERVICING WHERE APPLICABLE.

SD06 – DEMOLITION WORKS

IT IS THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTORS RESPONSIBILITY TO ENSURE DEMOLITION WORKS ARE TO BE CARRIED OUT IN A SAFE, SYSTEMATIC AND ORDERLY MANNER IN ACCORDANCE WITH THE SITE-SPECIFIC SAFETY PLAN AND ALL GENERAL SAFETY INDUCTION REGULATIONS. TEMPORARY PROPPING OF MEMBERS MAYBE REQUIRED IN ACCORDANCE WITH THE DIRECTION OF A SUITABLY QUALIFIED PROFESSIONAL AND IN ACCORDANCE WITH INDUSTRY SAFETY PRACTICES AND REGULATIONS.

SD07 – FORMWORK AND SCAFFOLDING

IT IS THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR'S RESPONSIBILITY TO ENSURE CLIMBING ON SCAFFOLDING OR FORMWORK AND WORKING AT HEIGHTS WITHOUT SUITABLE APPROVED RAILINGS, CARRIERS AND RESTRAINTS FIXED TO UNCERTIFIED ANCHOR POINTS IS STRICTLY PROHIBITED. ALL FORMWORK AND SCAFFOLDING SYSTEMS ARE TO BE DESIGNED AND CERTIFIED BY A LICENCED CONTRACTOR TO COMPLY WITH RELEVANT AUSTRALIAN STANDARDS AND KEPT MAINTAINED IN GOOD WORKING ORDER.

SD08 – EXCAVATION

THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR SHALL PROVIDE SUITABLE FENCINGS AROUND ALL EXCAVATIONS AND AT NO STAGE SHOULD AN EXCAVATION BE APPROACHED OR ENTERED INTO UNLESS AN APPROVED AND CERTIFIED SHORING SYSTEM HAS BEEN INSTALLED OR THE BANKS HAVE BEEN BATTERED AND / OR BENCHED IN ACCORDANCE WITH THE PROJECTS GEOTECHNICAL ENGINEERING SPECIFICATION AND / OR WRITTEN INSTRUCTIONS BY THE INSPECTING GEOTECHNICAL ENGINEER. THE BUILDER SHALL SUPPORT OR PROP ANY EXISTING STRUCTURES WITHIN THE ZONE OF INFLUENCE OF ALL EXCAVATIONS AND IS RESPONSIBLE FOR MAINTAINING THIS SUPPORT THROUGH THE CONSTRUCTION PROCESS.

SD09 – MATERIAL HANDLING

IT IS THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT SITE MATERIALS ARE DELIVERED AND TRANSPORTED, STORED AND POSITIONED IN A SAFE MANNER AND IN ACCORDANCE WITH THE PRODUCT SPECIFICATION, THE SITE-SPECIFIC SAFETY PLACE AND GENERAL SAFETY INDUCTION REGULATIONS.

SD10 – PROPERTY BOUNDARIES

THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR IS REQUIRED TO ACCURATELY LOCATE EASEMENTS, PROPERTY BOUNDARIES, TREES, EXISTING STRUCTURES AND OTHER OBSTRUCTIONS PRIOR TO CONSTRUCTION. THE DESIGN IS TO BE IMMEDIATELY NOTIFIED OF ANY ELEMENTS NOT SHOWN ON THE APPROVED DRAWINGS AS THE DESIGN AND SAFETY DESIGN REPORT MAY REQUIRE AMENDING.

SD11 – TRAINED & QUALIFIED WORKERS

IT IS THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT SITE WORKERS ARE SUITABLE QUALIFIED, TRAINED AND INSURED FOR THE TASKS BEING UNDERTAKEN ON SITE

SD12 – NEIGHBOURING PROPERTIES

DURING THE CONSTRUCTION, THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR SHALL PROTECT NEIGHBOURING PROPERTIES FROM NOISE IN ACCORDANCE WITH THE LOCAL AUTHORITY REQUIREMENTS, RADIATION, GROUND VIBRATIONS AND OTHER CONSTRUCTION HAZARDS. CONDITION REPORTS ON THE NEIGHBOURING PROPERTIES AND STRUCTURES ARE RECOMMENDED PRIOR TO COMMENCEMENT OF CONSTRUCTION

SAFETY / TASK DEVIATIONS

SD13 - VARIATIONS

IT IS THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTORS RESPONSIBILITY TO STRICTLY BUILD IN ACCORDANCE WITH THE DOCUMENTATION AND NOT TO MAKE ANY VARIATIONS TO THE CONSTRUCTION WITHOUT THE SPECIFIC WRITTEN APPROVAL FROM THE ENGINEER.

SD14 – COMPLIANCE INSPECTIONS

THIS DESIGN HAS BEEN DOCUMENTED IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS, LOCAL AUTHORITY REGULATION AND STANDARD BUILDING CODES OF PRACTICE UNLESS NOTED OTHERWISE. EACH STAGE OF CONSTRUCTION IS TO BE STRUCTURALLY INSPECTED PRIOR TO ADVANCING TO NEXT STAGE OF WORK. IT IS THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR'S RESPONSIBILITY TO PROGRAM THE WORKS IN A SAFE MANNER AND TO HIGHLIGHT TO THE DESIGNER ANY ASPECTS OF THE WORK THAT MAY REQUIRE FURTHER CLASSIFICATION OR ADVICE REGARDING THE HEALTH AND SAFETY OF THE PROJECT.

SD15 – CONSTRUCTION LOADS

IT IS THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTORS RESPONSIBILITY TO NOTIFY THE DESIGNER OF ANY SPECIFIC LOADS THAT THE STRUCTURE MAY BE SUBJECT TO DURING CONSTRUCTION. NO ALLOWANCE HAS BEEN MADE FOR CONSTRUCTION LOADS INCLUDING STACKING OF MATERIALS ON DECKS, FLOORS OR ROOF PLATFORMS, LOADS IMPOSED DUE TO MACHINERY, LIFTING DEVICES, LIFTING DEVICES, IMPACT / VIBRATION / CYCLE LOADS ETC. UNLESS NOTED ON THE DRAWINGS NO STRUCTURAL ALLOWANCE HAS BEEN MADE FOR SPECIFIC LOADS ASSOCIATED WITH THE MAINTENANCE OF THE STRUCTURE. THE DESIGNER IS TO BE INFORMED OF ANY REQUIREMENTS NECESSARY TO EXTERNALLY SUPPORT THE PLATFORMS, SCAFFOLDS ETC. AS REQUIRED.

SD16 – TEMPORARY SUPPORT & BRACING

ALL ASPECTS DETAILED OR NOTED ON THE STRUCTURAL DOCUMENTS ARE THOSE REQUIRED FOR THE COMPLETED STRUCTURE ONLY. THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY NECESSARY TEMPORARY CONNECTIONS AS WELL AS SUPPORTS AND BRACINGS TO SAFELY MAINTAIN THE STRUCTURE DURING THE CONSTRUCTION PERIOD. THIS INCLUDES ELEMENTS SUCH AS PREFABRICATED TIMBER AND STEEL ELEMENTS, UNRESTRAINED WALLS, CONCRETE COLUMNS, BEAMS AND SLABS, PRECAST PANELS, ETC WHICH REQUIRE TEMPORARY SUPPORT OR PROPPING TO PREVENT OVERSTRESS, EXCESSIVE DEFLECTION, OR INSTABILITY UNTIL THE FINAL STRUCTURAL SYSTEM IS COMPLETE. THE DESIGNER IS TO BE CONTACTED FOR FURTHER ADVICE IF REQUIRED.

SD17 – SUNDRY ELEMENTS

THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR MUST OBTAIN DESIGN AND INSPECTION CERTIFICATES ON ALL SUNDRY ELEMENTS OF THE STRUCTURES INCLUDING BUT NOT LIMITED TO CLADDING DESIGN AND FIXINGS, WINDOWS, BALUSTRADES, STAIRS, SUSPENDED CEILINGS, INTERNAL FIT OUT ITEMS AND ALL OTHER ELEMENTS NOT DETAILED IN THE DESIGN DOCUMENTS.

SD18 – MATERIAL PRODUCT SPECIFICATION

IT IS THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR'S RESPONSIBILITY TO OBTAIN AND COMPLY WITH MATERIAL PRODUCT SPECIFICATIONS AND RECOMMENDATIONS WHEN USING MATERIAL SPECIFIED IN THE DESIGN DOCUMENTS.

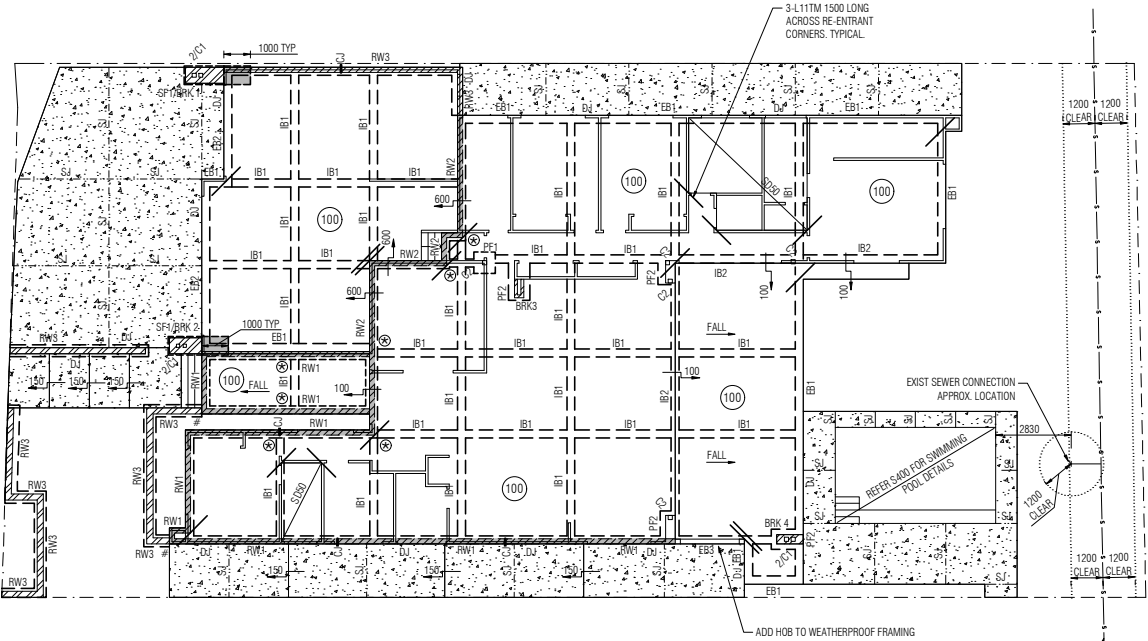
SD19 – CHANGES TO CONTRACTUAL ARRANGEMENTS

IT IS THE CLIENT'S AND THE BUILDER'S RESPONSIBILITY TO INFORM THE DESIGNER OF ANY CHANGE TO CONTRACTUAL ARRANGEMENTS BETWEEN THE CLIENT AND THE BUILDER WHICH MAY IMPACT ON THE DESIGN AND SAFETY OF THE DESIGN. THE CONSTRUCTION IS TO BE FULLY CARRIED OUT IN ACCORDANCE WITH ALL DESIGN DRAWINGS AND NOTES AS DOCUMENTED. IF THE CONSTRUCTION CEASES AT ANY STAGE, THE DESIGNER IS TO BE NOTIFIED TO PROVIDE ADVICE ON THE SAFETY OF COMPLETED CONSTRUCTION WORK AT THAT TIME.

SD20 – COORDINATION

IF THESE DESIGN DRAWINGS ONLY DOCUMENT PART OF THE STRUCTURE, IT IS THE BUILDER, PROJECT MANAGER OR PRINCIPAL CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL DESIGN DRAWINGS ARE CO-ORDINATED BETWEEN CONSULTANTS. FOR EXAMPLE, COORDINATION TO ENSURE APPROPRIATE SLAB THICKNESS AND DETAILS FOR LOADBearing AND BRACING WALL ELEMENTS, CAST IN FIXINGS ETC.

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CLIENT ALEX & JADE WATSON									
PROJECT PROPOSED NEW RESIDENCE 8 OWEN STREET, WELLINGTON POINT, QLD									
DRAWING TITLE SAFETY IN DESIGN									
DESIGN S.ROKICH		DESIGNED M.T-SMITH				CHECKED N.KAUSTOS			
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A1 ORIGINAL, APPROX. 50% SCALE AT A3									
JOB NO. 13705				DRAWING NO. S02					
				SCALE A					



FOOTING & SLAB ON GROUND PLAN
1:100

- NOTE
- REFER DRAWING S01 FOR GENERAL NOTES.
 - REFER DRAWING S101, FOR FOOTING DETAILS.
 - RETAINING WALLS SHALL BE WELL ARTICULATED WITH CONTROL JOINTS (CJ) IN BLOCK WORK AT MAX 6m CENTRES.
 - THIS FOUNDATION DESIGN IS BASED ON AND SHALL BE READ IN CONJUNCTION WITH GEO-SERVE SOIL REPORT NO. GS22-10-457 DATED 08.11.2022
 - SURFACE WATER PITS AND PIPES SHALL BE DESIGNED AND CONSTRUCTED AROUND THE PERIMETER IN ACCORDANCE WITH ASS300. REFER S03 FOR DRAINAGE TYPICAL DETAILS.

THE EXTENT OF ALL RETAINING WALLS INCLUDING HEIGHTS AND FOOTING STEP TRANSITIONS SHALL BE DETERMINED ON SITE BY BUILDER. RW1 DETAILS TO BE USED FOR ALL RETAINING UNLESS NOTED OTHERWISE.

THE EXTENT OF RETAINING SHALL BE DETERMINED BY THE BUILDER AND INCLUDED AS PART OF THE CONTRACT TENDER SUM.

100 THICK SLAB - SL82 IN TOP - 40 TOP COVER
N20 MPA SLAB ON GROUND TO BE POURED ON 200µm VISQUEEN OR EQUAL PLACED ON MIN. 50mm COMPACTED SAND BED.

- DJ = DENOTES R12 DOWELS (HOG) AT 400 CRS.
400 LONG. DRILL AND EPOXY 100 INTO SLAB
- SJ = DENOTES 40 DEEP SAWN JOINT. REFER S101 FOR DETAILS
- CJ = DENOTES CONTROL JOINT IN BLOCK WORK AT MAX. 6.0m CRS. REFER S101 FOR DETAILS.
- 50 SD = DENOTES 50mm SLAB SETDOWN TO WET AREAS.
- # DENOTES 3.N12 TOP & BTM.
400 LONG. DRILL & EPOXY SET 100

3.N12 DOWELS AT IB/ RW
DRILL & EPOXY SET 100
400 COG

FOR HONED / POLISHED CONCRETE FINISH, INSTALL ONE LAYER OF SL81 MESH. 100 THICK SLAB. MIN. CONCRETE GRADE - S32 (NO FLY ASH). CONTACT DESIGN ENGINEER IF THE SLAB IS SUSPENDED.

- 100 • 100 THICK SLAB - SL92 IN TOP - 30 COVER
- SLAB ON GROUND TO BE POURED ON 200µm VISQUEEN OR EQUAL PLACED ON MIN. 50mm COMPACTED SAND BED.
 - CONCRETE GRADE - N20
 - REFER ARCHITECTS PLANS FOR ALL SLAB FINISHES, STEPS, FALLS AND REBATES. STEPS MAY OCCUR IN SLAB BETWEEN FLOOR FINISHES.

PAD FOOTINGS

- PF1 = 800 X 800 X 400 D DEEP MASS CONCRETE PAD
SL92 MESH BTM.
- PF2 = 1000L X 800W X 400 D DEEP MASS CONCRETE PAD
SL92 MESH BTM.

COLUMN

- C1 = 125 X 125 X 4.0 SHS (DURAGAL+) WELDS SHALL BE THOROUGHLY CLEANED & TREATED WITH MINIMUM TWO COATS OF ZINC RICH PAINT.
- C2 = 89 X 89 X 3.5 SHS (DURAGAL+) WELDS SHALL BE THOROUGHLY CLEANED & TREATED WITH MINIMUM TWO COATS OF ZINC RICH PAINT.

BRICKWORK

- BRK1 = 1430 X 600 (PARTIAL HEIGHT) UNREINFORCED MASONRY PIER
- BRK2 = 1200 X 600 (PARTIAL HEIGHT) UNREINFORCED MASONRY PIER
- BRK3 = 700 X 350 (FULL HEIGHT) UNREINFORCED MASONRY PIER
- BRK4 = 1000 X 350 (PARTIAL HEIGHT) UNREINFORCED MASONRY PIER

STRIP FOOTING TO EXTEND
MIN. 1000 INTO INTERNAL
SLAB

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CLIENT

ALEX & JADE WATSON

PROJECT

PROPOSED NEW RESIDENCE
8 OWEN STREET,
WELLINGTON POINT, QLD

DRAWING TITLE

FOOTING & SLAB PLAN

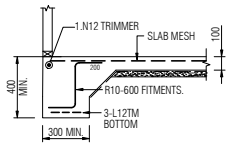
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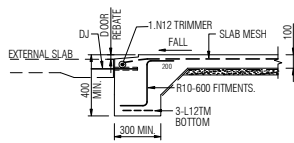
N.A.KAOSTOS

A1 ORIGINAL, APPROX. 50% SCALE AT A3

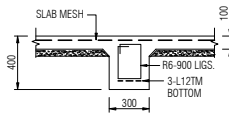
DWG NO.	DRAWING NO.
13705	S100
ISSUE	AB C



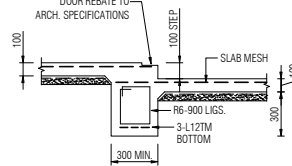
EDGE BEAM - EB1
1:20



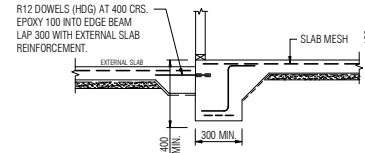
EDGE BEAM - EB2
(GARAGE ENTRY)
1:20



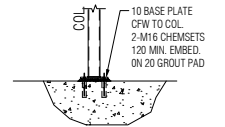
INTERNAL BEAM - IB1
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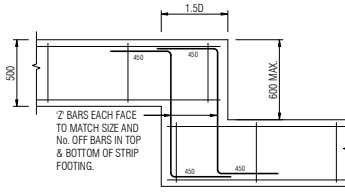
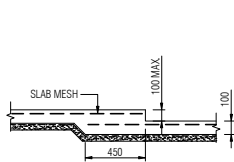
INTERNAL BEAM - IB2
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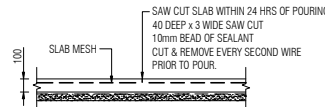
EXTERNAL SLAB / EB DETAILS
1:20



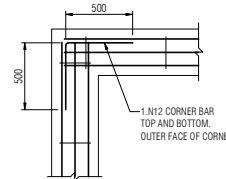
SHS TO SLAB CONNECTION
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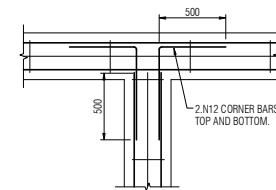
STEPPED FOOTING DETAIL
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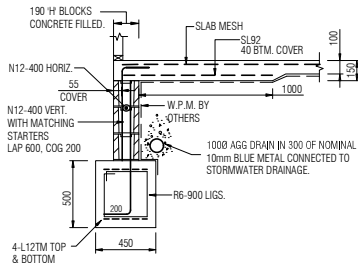
SAW JOINT DETAIL (SJ)
1:20



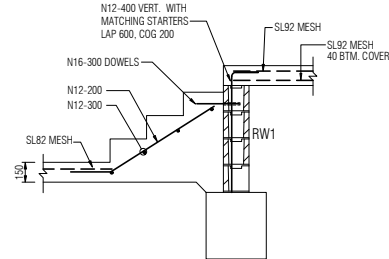
FOOTING CORNER DETAIL
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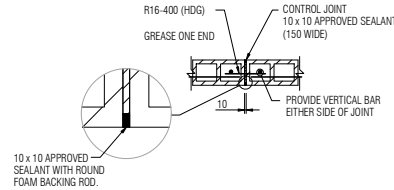
FOOTING INTERSECTION DETAIL
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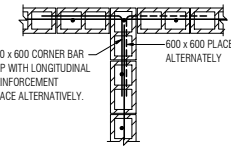
RETAINING WALL - RW1
1:20



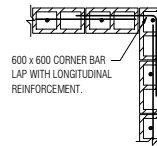
TYPICAL STAIR SECTION
1:20



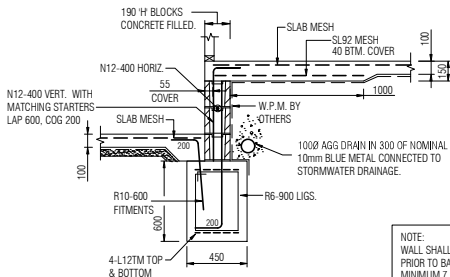
PLAN
190 BLOCKWORK
BLOCK CONTROL JOINT DETAIL (CJ)
1:20
• PROVIDE JOINTS AT 6.0m MAX. CRS.
• FIRE RATED SEALANT SHALL BE USED FOR FIRE RATED WALLS. REFER BUILDERS DETAILS FOR EXTENT & TYPE.



BLOCKWALL
INTERSECTION DETAIL
1:20
• LAP LONGITUDINAL BARS AS SHOWN.
• FILL JOINT WITH APPROVED MASTIC SEALANT BOTH FACES.



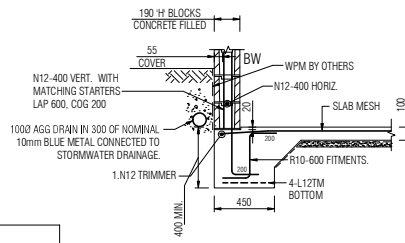
BLOCKWALL
CORNER DETAIL
1:20
• LAP LONGITUDINAL BARS AS SHOWN.



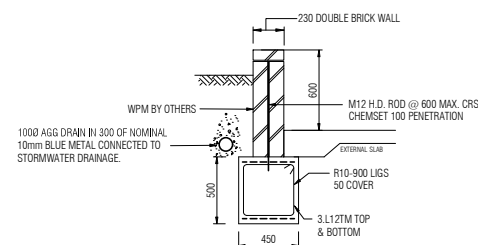
RETAINING WALL - RW2
1:20

NOTE:
WALL SHALL BE ADEQUATELY PROPPED
PRIOR TO BACKFILLING AND FOR
MINIMUM 7 DAYS AFTER SLAB POURED.

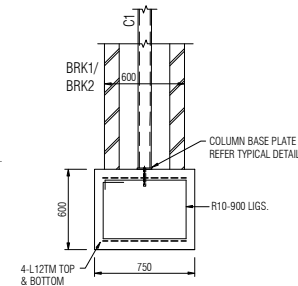
NOTE:
PROVIDE CONSTRUCTION JOINTS
IN BLOCK WALL AT 6.0m MAX. CRS.



RETAINING WALL - RW3
1:20



RETAINING WALL - RW3
1:20



SF1 FOOTING DETAIL
1:20

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A/20, 14 TECHNOLOGY DR, ARUNDEL, QLD, 4214 | ABN 86169677418

CLIENT
ALEX & JADE WATSON

PROJECT
PROPOSED NEW RESIDENCE
8 OWEN STREET,
WELLINGTON POINT, QLD

DRAWING TITLE
**FOOTINGS & SLAB
DETAILS**

DRAWN
S.ROKICH
DESIGNED
M.T-SMITH
CHECKED
N.KAOSTOS

APPROVED FOR AND ON BEHALF OF
STRUCTURAL INNOVATIONS AUSTRALIA PTY LTD
RPLD No 11745
CPIN No 230224

A1 ORIGINAL, APPROX. 50% SCALE AT A3

200 NO.
13705

DRAWING NO.
S101
ISSUE
A B C

LOAD BEARING STUD & EXTERNAL WALLS: UP TO 3000 HIGH.	
TOP PLATE	2/35 x 90 MGP12
BTM. PLATE	35 x 90 MGP10
STUDS	90 x 35 MGP10 AT 450 CRS MAX.
NOGGINGS	35 x 90 MGP10 AT 1350 CRS MAX.
NON-LOAD BEARING STUD WALLS:	
TOP PLATE	35 x 90 MGP10
BTM. PLATE	35 x 90 MGP10
STUDS	90 x 35 MGP10 AT 450 CRS. MAX.
NOGGINGS	35 x 90 MGP10 AT 1350 CRS MAX.

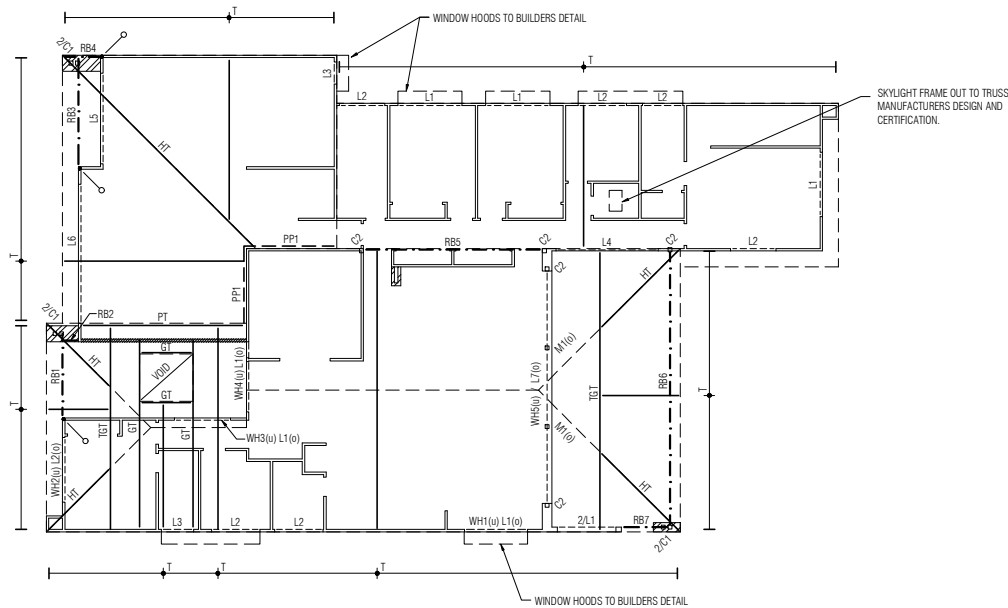
LOAD BEARING STUD & EXTERNAL WALLS: UP TO 4200 HIGH.	
TOP PLATE	2/35 x 90 MGP12
BTM. PLATE	35 x 90 MGP10
STUDS	2/90 x 45 MGP10 AT 450 CRS MAX.
NOGGINGS	35 x 90 MGP10 AT 1350 CRS MAX.
NON-LOAD BEARING STUD WALLS:	
TOP PLATE	35 x 90 MGP10
BTM. PLATE	35 x 90 MGP10
STUDS	2/90 x 45 MGP10 AT 450 CRS. MAX.
NOGGINGS	35 x 90 MGP10 AT 1350 CRS MAX.

- ALL EXPOSED STEELWORK SHALL BE HOT DIPPED GALVANISED (H.D.G.) U.N.O.
- ALL STEELWORK FITTINGS & FIXINGS SHALL BE HOT DIPPED GALVANISED (H.D.G.)
- ALL INTERNAL STEELWORK SHALL BE PRIMED AND PAINTED AS A MINIMUM REQUIREMENT. REFER TO ENGINEERS & ARCHITECTS SPECIFICATION FOR ANY ADDITIONAL REQUIREMENTS.
- ALL TIMBER SHALL BE NATURALLY RESISTANT TO TERMITE ATTACK OR TREATED TO A MINIMUM LEVEL H2, AS PER ENGINEERS SPECIFICATIONS.
- ALL EXPOSED TIMBER SHALL BE DURABILITY CLASS 1 (ABOVE GROUND), WITH ANY SAPWOOD H3 TREATED OR DURABILITY CLASS 2 + H3 TREATED OR TREATED TO LEVEL H3.
- ALL METAL FIXINGS SHALL BE FIXED USING FLAT HEAD CONNECTOR NAILS. CLOUTS SHALL NOT BE USED UNDER ANY CIRCUMSTANCES.
- USE PROTECTA DECK STRIPS OVER ALL JOISTS AND BEARERS EXPOSED TO WEATHER. TYPICAL.
- NOTIFY DESIGN ENGINEER SHOULD THERE BE ANY CHANGES TO THE TRUSS AND ROOF FRAMING LAYOUT. PROVIDE DESIGN ENGINEER WITH COPY OF TRUSS AND ROOF FRAMING LAYOUT FOR DESIGN CHECK.

■ DENOTES LOAD BEARING TIMBER STUD WALL.
REFER TO SCHEDULE AND TIE-DOWN SPECS.

(u) - DENOTES MEMBER UNDER
(o) - DENOTES MEMBER OVER
(S) - DENOTES STRAIGHT MEMBER
(C) - DENOTES CAMBER MEMBER
(CONT) - DENOTES CONTINUOUS MEMBER
(CANT) - DENOTES CANTILEVER MEMBER

○ DENOTES M12 H.D. ROD. + 3 STUDS UNDER.



ROOF FRAMING PLAN
1:100

ROOF FRAMING SCHEDULE

LINTELS

L1 = 190 X 45 MGP10
L2 = 140 X 45 MGP10
L3 = 90 X 45 MGP10
L4 = 295 X 65 GL15(C)
L5 = 290 X 45 LVL13
L6 = 295 X 65 GL15(C)
L7 = 300 PFC

ROOF BEAMS

RB1 = 200 X 45 LVL13
RB2 = 200 X 45 LVL13
RB3 = 240 X 45 LVL13 (CANT.)
RB4 = 240 X 45 LVL13 (CANT.)
RB5 = 300 PFC
RB6 = 310 UB 46
RB7 = 140 X 45 MGP10

WIND HEADS

WH1 = 165 X 85 GL15(S)
WH2 = 165 X 85 GL15(S)
WH3 = 165 X 85 GL15(S)
WH4 = 165 X 85 GL15(S)
WH5 = 150 X 150 X 6.0 SHS

POLE PLATE

PP1 = 140 X 45 MGP10, 3 BATTEN SCREW
TO EACH STUD. PRE DRILL.

COLUMN/MULLIONS

C1 = 125 X 125 X 4.0 SHS (HDG)
C2 = 89 X 89 X 3.5 SHS (DURAGAL +) WELDS SHALL BE THOROUGHLY
CLEANED & TREATED WITH MINIMUM TWO COATS OF ZINC RICH PAINT.
M1 = 150 X 50 X 4.0 SHS (HDG)

TRUSSES

GT, T, HT, TET = TIMBER ROOF TRUSSES TO
MANUFACTURERS DESIGN AND CERTIFICATION AT
600 CRS. THE ATTACHED LAYOUT IS A GUIDE ONLY.
ROOF BRACING NOT SHOWN. TO MANUFACTURERS
DESIGN & CERTIFICATE.

ROOF BATTENS	
SHEET ROOF:	TOP SPAN 40 AT 600 CRS. TO MANUFACTURERS DESIGN & CERTIFICATION.

Rev	Date	By	Issue	Checked
1	11/02	BA	TENDER ISSUE	N.A.K

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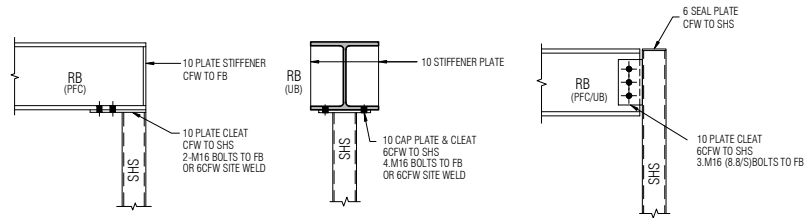
DRAWING TITLE
ROOF FRAMING PLAN

DRAWN	DRAWN	CHECKED
S.ROKICH	M.T-SMITH	N.KAOSTOS

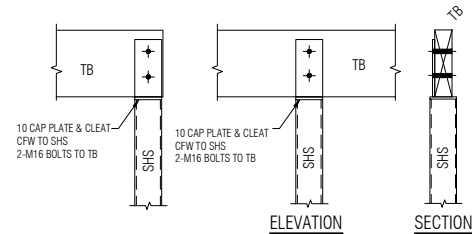
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RPLD No 11745
CPIN No 230234

A1 ORIGINAL, APPROX. 50% SCALE AT A3

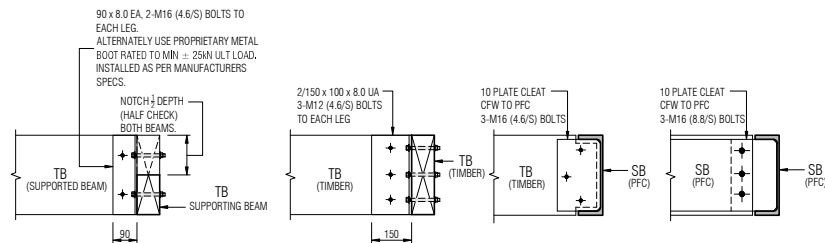
JOB NO.	DRAWING NO.
13705	S200
ISSUE	ISSUE
A	



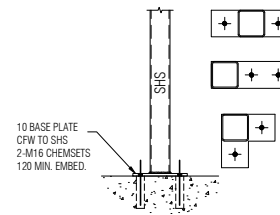
TYPICAL SHS TO STEEL BEAM DETAILS



TYPICAL SHS TO TIMBER BEAM DETAILS
1:10

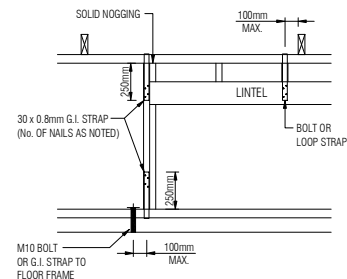


TYPICAL TIMBER AND STEEL BEAM CONNECTION DETAILS
1:10



TYPICAL HIDDEN BASE PLATE CONNECTION DETAILS
1:10

[illegible]

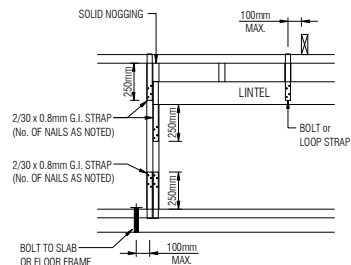


NOTE:
THE TOP PLATE SHALL BE FIXED OR TIED TO THE LINTEL WITHIN 100 MM OF EACH
RAFTER/TRUSS, OR THE RAFTER/TRUSS FIXED DIRECTLY TO THE LINTEL WITH A FIXING
OF EQUIVALENT TIE-DOWN STRENGTH TO THAT REQUIRED FOR THE RAFTER/TRUSS.

LINTEL TO PLATE WITH G.I. STRAP
CAPACITY OF 5.9 KN, FIXING DETAILS: 4 NAILS EACH END OF STRAP
CAPACITY OF 8.4 KN, FIXING DETAILS: 6 NAILS EACH END OF STRAP

TABLE 9.20 (a)

N.T.S.

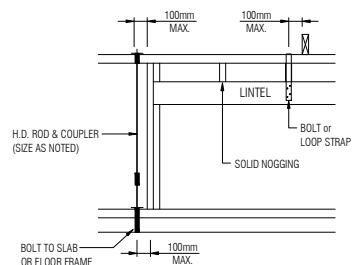


NOTE:
THE TOP PLATE SHALL BE FIXED OR TIED TO THE LINTEL WITHIN 100 MM OF EACH
AFTER/TRUSS, OR THE RAFTER/TRUSS FIXED DIRECTLY TO THE LINTEL WITH A FIXING OF
EQUIVALENT TIE-DOWN STRENGTH TO THAT REQUIRED FOR THE RAFTER/TRUSS.

LINTEL TO PLATE WITH G.I. STRAP AND BOLT
 CAPACITY OF 12 KN, FIXING DETAILS: 4 NAILS EACH END OF STRAP AND M10 BOLT TO FLOOR
 CAPACITY OF 17 KN, FIXING DETAILS: 6 NAILS EACH END OF STRAP AND M12 BOLT TO FLOOR

TABLE 9.20 (b)

N.T.S.

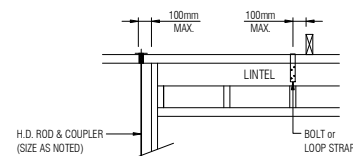


NOTE:
THE TOP PLATE SHALL BE FIXED OR TIED TO THE LINTEL WITHIN 100 MM OF EACH
RAFTER/TRUSS, OR THE RAFTER/TRUSS FIXED DIRECTLY TO THE LINTEL WITH A FIXING OF
EQUIVALENT TIE-DOWN STRENGTH TO THAT REQUIRED FOR THE RAFTER/TRUSS.

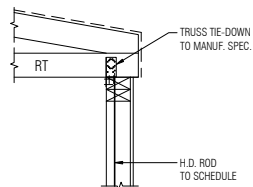
LINTEL TO PLATE VIA BOLT
 CAPACITY OF 15 KN, FIXING DETAILS: M10 BOLT
 CAPACITY OF 20 KN, FIXING DETAILS: M12 BOLT

TABLE 9.20 (c)

N.T.S.

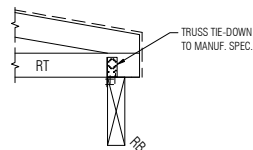


9.20 (c) ALTERNATIVE DETAIL



TYPICAL TRUSS TO WALL CONNECTION DETAIL

1:10



TYPICAL TRUSS TO ROOF BEAM CONNECTION

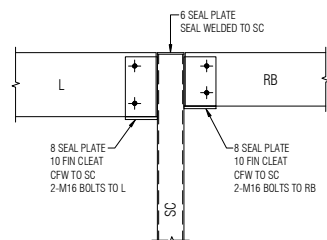
1:10

STEEL WASHERS

THE SIZE OF STEEL WASHERS SHALL BE DETERMINED FROM TABLE BELOW IN ACCORDANCE WITH AS 1684.2 - 2010.

BOLT OR COACH SCREW SIZE (mm)	WASHER SIZE (mm)
M10 BOLT OR COACH SCREW	38 x 38 x 2.0
M12 BOLT OR COACH SCREW	50 x 50 x 3.0
M16 BOLT OR COACH SCREW	65 x 65 x 5.0

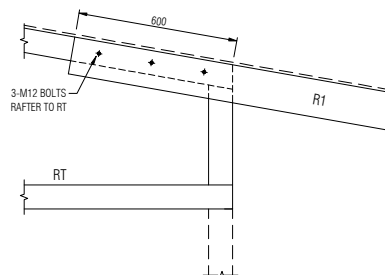
NOTE:
CIRCULAR WASHERS OF EQUIVALENT THICKNESS & WITH THE SAME NET
BEARING AREA ALSO PERMITTED TO CARRY THE SAME FULL DESIGN LOAD.



ELEVATION

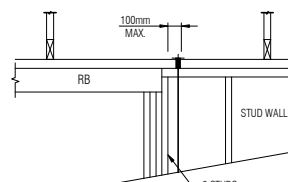
TYPICAL COLUMN TO ROOF BEAM / LINTEL CONNECTION DETAIL

1:10



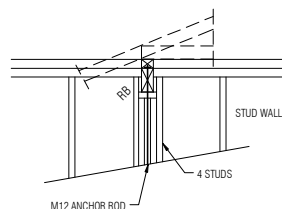
TYPICAL TRUSS RAFTER SPLICE DETAIL

1:10



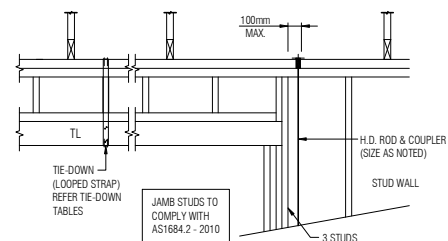
ROOF BEAM CONNECTION PARALLEL TO STUD WALL

1:10



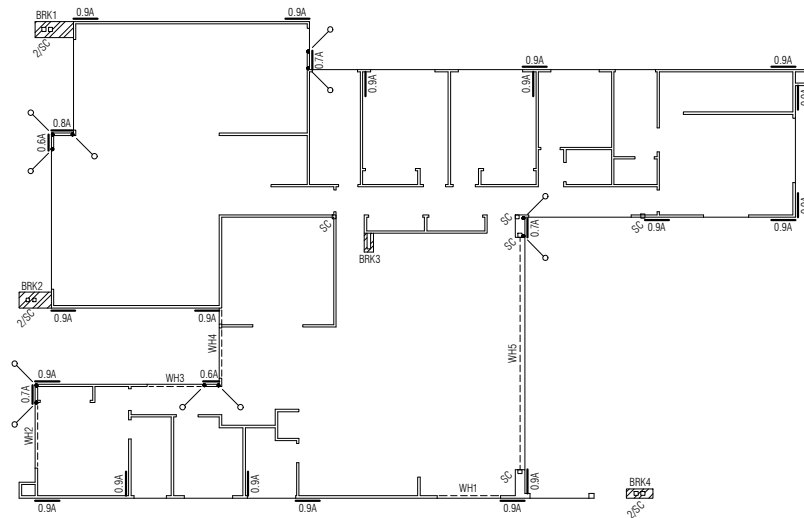
ROOF BEAM CONNECTION PERPENDICULAR TO STUD WALL

1:10



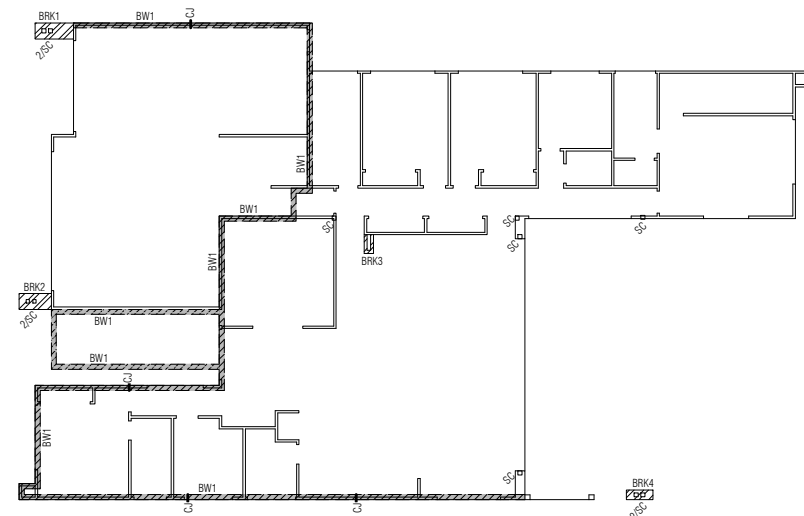
TIMBER LINTEL TO STUD WALL

$$\frac{1}{10}$$
[illegible]



GROUND FLOOR BRACING PLAN

1:100



GROUND FLOOR BLOCKWORK BRACING PLAN

1:100

N2 BRACING

2.4 A = 2.4 m LENGTH OF BRACING WALL TYPE A
HEIGHT MULTIPLIERS HAVE BEEN USED IN ACCORDANCE WITH AS 1684.2:2021

TYPE	DESCRIPTION	VALUE
NA	PLYWOOD NAILED ONE SIDE USING 30mm x 2.8mm @ 150mm ON CENTER IN ACCORDANCE WITH AS 1684.2-2021. TABLE 8.1 (b) METHOD B PROVIDE M16 ANCHOR RODS TO EACH END OF DOUBLE BRACED WALLS. BRACING WALLS BETWEEN 600-900 IN LENGTH SHALL ADOPT TABLE 8.1 (b) METHOD A. (M12 RODS AT EACH END OF WALL) = 5.6 kNm	5.2 kNm
BRK	UNREINFORCED MASONRY PIERS	VARIES
BW	REINFORCED BLOCK WALL CONCRETE FILLED	VARIES

- PLYWOOD BRACING SHEETS SHALL BE THICKNESS AND STRESS GRADE SPECIFIED IN ABOVE MENTIONED TABLES TO ACHIEVE THE NOMINATED VALUE. ALL BRACING WALL BOTTOM PLATES SHALL BE FIXED TO THE FLOOR FRAMING WITH EACH END WITH 1 M12 BOLT (U.N.F.)
- BRACING WALLS WITH A VALUE OF 5.2 kN/m OR MORE SHALL HAVE THE BOTTOM PLATE FIXED TO THE FLOOR FRAME OR SLAB WITH 1 M12 BOLT AT 1200mm MAX. CRS (U.N.F.)
- TOP OF ALL BRACE WALLS SHALL BE INDIRECTLY FIXED TO ROOF FRAMING VIA TRANSFER BLOCKS IN ACCORDANCE WITH AS 1684.2:2021 RESIDENTIAL TIMBER FRAME CONSTRUCTION MANUAL.

○ —● DENOTES M12 H.D. ROD.

COLUMN SCHEDULE

- SC - DENOTES STEEL COLUMN, REFER FRAMING PLANS

BLOCKWALL SCHEDULE

- BW1 - 190 "H" BLOCKWALL, ALL CORES FILLED.
VERTICAL REINF. - N12 - 400
HORIZONTAL REINF. - N12 - 400

BRICKWORK SCHEDULE

- BRK1 - 1430 X 600 (PARTIAL HEIGHT) UNREINFORCED MASONRY PIER
- BRK2 - 1200 X 600 (PARTIAL HEIGHT) UNREINFORCED MASONRY PIER
- BRK3 - 700 X 350 (FULL HEIGHT) UNREINFORCED MASONRY PIER
- BRK4 - 1000 X 350 (PARTIAL HEIGHT) UNREINFORCED MASONRY PIER

WINDHEAD SCHEDULE

WH1 = 165 X 85 GL15(S)
WH2 = 165 X 85 GL15(S)
WH3 = 165 X 85 GL15(S)
WH4 = 165 X 85 GL15(S)
WH5 = 150 X 150 X 6.0 SHS

A	11/22	BA / TENDER ISSUE	N/A
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ALEX & JADE WATSON

PROJECT	
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PROPOSED NEW RESIDENCE
8 OWEN STREET,
WELLINGTON POINT, QLD

DRAWING TITLE
BRACING PLAN

DRAWN S.ROKICH	DESIGNED M.T-SMITH	CHECKED N.KAUSTOS
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APPROVED FOR AND ON BEHALF OF
STRUCTURAL INNOVATIONS AUSTRALIA PTY LTD
RPEQ No 11745
CPENG No 2532254

N.A.KAUSTOS

A1 ORIGINAL, APROX. 50% SCALE AT A3

JOB NO.	DRAWING NO.
13705	S300
ISSUE	
A	

TIE-DOWN TABLES

N2 RLW = 3000mm

SHEET ROOF	Force Required (kN)	Force Provided (kN)	Description	AS1684 Ref
Roof Batten to Battens of Trusses	0.66	1.7	2175x75 Deformed Shank Nail (min. 35mm web/batten)	9.25 (b)
Trusses/Battens to Top Plate/Roof Beam	1.33	3.5	1Framing anchor with 4x2.8 DIA Nails Each End	9.21 (b)
Top Plate to Floor Frame/Slab	4	20	1M12 Vertical Threaded Rod @1800mm Max. in Corners & Beside Openings & Girders Trusses	9.18 (b) & 9.19 (f)
Girders Trusses to Top Plate/Roof Beam	-	-	To Truss Manufacturers Specifications (max. roof area 45m ² for single tie down point)	-
Girders Trusses at Top Plate Frame or slab	33.3	40	2M12 Vertical Threaded Rods 75 x12 M6 Hold Down Plate to Truss Cord	9.20 (f)
Limits (Up to 2400 opening)	2.66	20	1M12 Vertical Threaded Rod Each End of Limit	9.20 (c)
Limit (Up to 5000 opening)	5.55	20	1M12 Vertical Threaded Rod Each End of Limit	9.20 (c)
Roof Beam to Timber Post (Up to 3000)	6.66	14	2M12 Bolts Through Timber Post	9.20 (i)
Roof Beam to Steel Column (Up to 5000)	11.1	40	2M12 Vertical Bolts Through a 10mm Cap Plate	9.16 (f)

N2 RLW = 5000mm

SHEET ROOF	Force Required (kN)	Force Provided (kN)	Description	AS1684 Ref
Roof Batten to Battens of Trusses	0.66	1.7	2175x75 Deformed Shank Nail (min. 35mm web/batten)	9.25 (b)
Trusses/Battens to Top Plate/Roof Beam	2.22	3.5	1Framing anchor with 4x2.8 DIA Nails Each End	9.21 (b)
Top Plate to Floor Frame/Slab	6.66	20	1M12 Vertical Threaded Rod @1800mm Max. in Corners & Beside Openings & Girders Trusses	9.18 (b) & 9.19 (f)
Girders Trusses to Top Plate/Roof Beam	-	-	To Truss Manufacturers Specifications (max. roof area 45m ² for single tie down point)	-
Girders Trusses at Top Plate Frame or slab	33.3	40	2M12 Vertical Threaded Rods 75 x12 M6 Hold Down Plate to Truss Cord	9.20 (f)
Limits (Up to 2400 opening)	4.5	20	1M12 Vertical Threaded Rod Each End of Limit	9.20 (c)
Limit (Up to 5000 opening)	16.63	20	1M12 Vertical Threaded Rod Each End of Limit	9.20 (c)
Roof Beam to Timber Post (Up to 3000)	11.1	14	2M12 Bolts Through Timber Post	9.20 (i)
Roof Beam to Steel Column (Up to 5000)	18.5	40	2M12 Vertical Bolts Through a 10mm Cap Plate	9.16 (f)

N2 RLW = 8000mm

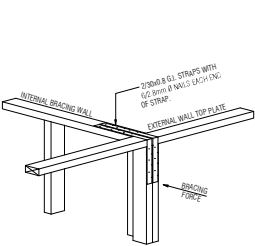
SHEET ROOF	Force Required (kN)	Force Provided (kN)	Description	AS1684 Ref
Roof Batten to Battens of Trusses	0.66	1.7	2175x75 Deformed Shank Nail (min. 35mm web/batten)	9.25 (b)
Trusses/Battens to Top Plate/Roof Beam	3.55	5.9	2Framing anchor with 4x2.8 DIA Nails Each End	9.21 (b)
Top Plate to Floor Frame/Slab	10.66	20	1M12 Vertical Threaded Rod @1800mm Max. in Corners & Beside Openings & Girders Trusses	9.18 (b) & 9.19 (f)
Girders Trusses to Top Plate/Roof Beam	-	-	To Truss Manufacturers Specifications (max. roof area 45m ² for single tie down point)	-
Girders Trusses at Top Plate Frame or slab	33.3	40	2M12 Vertical Threaded Rods 75 x12 M6 Hold Down Plate to Truss Cord	9.20 (f)
Limits (Up to 2400 opening)	7.1	20	1M12 Vertical Threaded Rod Each End of Limit	9.20 (c)
Limit (Up to 5000 opening)	18.5	20	1M12 Vertical Threaded Rod Each End of Limit	9.20 (c)
Roof Beam to Timber Post (Up to 3000)	NA	NA	STEEL POST REQUIRED (REFER ENGINEER)	
Roof Beam to Steel Column (Up to 5000)	28.5	40	2M12 Vertical Bolts Through a 10mm Cap Plate	9.16 (f)

N2 RLW = 10000mm

SHEET ROOF	Force Required (kN)	Force Provided (kN)	Description	AS1684 Ref
Roof Batten to Battens of Trusses	0.66	1.7	2175x75 Deformed Shank Nail (min. 35mm web/batten)	9.25 (b)
Trusses/Battens to Top Plate/Roof Beam	4.44	5.9	2Framing anchor with 4x2.8 DIA Nails Each End	9.21 (b)
Top Plate to Floor Frame/Slab	13.32	20	1M12 Vertical Threaded Rod @1800mm Max. in Corners & Beside Openings & Girders Trusses	9.18 (b) & 9.19 (f)
Girders Trusses to Top Plate/Roof Beam	-	-	To Truss Manufacturers Specifications (max. roof area 45m ² for single tie down point)	-
Girders Trusses at Top Plate Frame or slab	33.3	40	2M12 Vertical Threaded Rods 75 x12 M6 Hold Down Plate to Truss Cord	9.20 (f)
Limits (Up to 2400 opening)	8.9	20	1M12 Vertical Threaded Rod Each End of Limit	9.20 (c)
Limit (Up to 5000 opening)	18.5	20	1M12 Vertical Threaded Rod Each End of Limit	9.20 (c)
Roof Beam to Timber Post (Up to 3000)	NA	NA	STEEL POST REQUIRED (REFER ENGINEER)	
Roof Beam to Steel Column (Up to 5000)	37	40	2M12 Vertical Bolts Through a 10mm Cap Plate	9.16 (f)

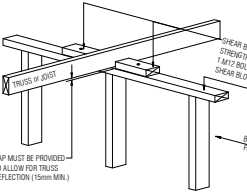
TYPE OF CONSTRUCTION	WALL	ROOF LOAD WIDTH (RLW) FOR MEMBER CENTER
	A	$RLW = \frac{0.5L}{2} + a$
	B	$RLW = \frac{0.5L}{2} + b$
	A	$RLW = \frac{0.5L}{2} + a$
	B	$RLW = \frac{0.5L}{2} + b$
	C	$RLW = \frac{0.5L}{2}$
	A	$RLW = \frac{0.5L}{2} + a$
	B	$RLW = \frac{0.5L}{2} + b$

RLW (ROOF LOAD WIDTH) DIAGRAM



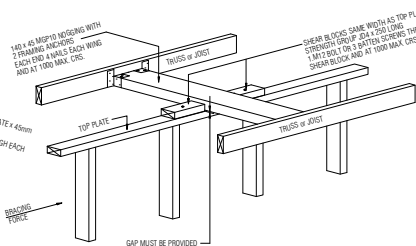
BRACING WALLS AT EXTERNAL WALLS

NTS



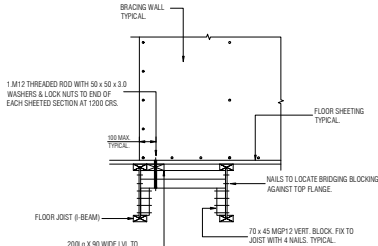
BRACING WALLS AT RIGHT ANGLES TO TRUSSES/JOISTS

NTS



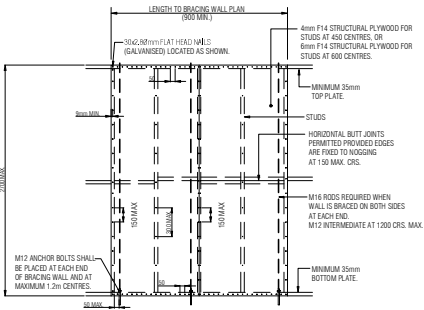
BRACING WALLS PARALLEL TO TRUSSES/JOISTS

NTS



BRACING WALL OVER FLOOR JOIST (I-BEAM) DETAILS

T10



PLYWOOD (ANCHOR BOLTS) BRACING WALL

SHEETED ONE SIDE, NO TIE DOWN RODS = (6.0kN/m) (ULTIMATE) AT 2700 HIGH
SHEETED BOTH SIDES, WITH TIE DOWN RODS = (12.0kN/m) (ULTIMATE) AT 2700 HIGH

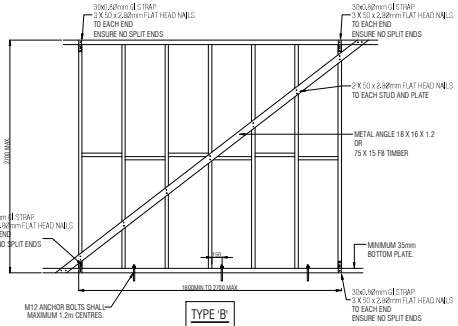
NOTES:

- ONE FACE TO BE SHEETED WITH STRUCTURAL PLYWOOD
- MINIMUM PLYWOOD THICKNESS TO BE AS TABULATED
- THE BOTTOM PLATE OF THE SHEETED WALL TO BE TIED DOWN TO THE FLOOR AS FOLLOWS:

(a) TIMBER FRAMED FLOOR - M12 BOLTS AT EACH END & INTERMEDIATELY AT 1200 CRS. MAX. U.N.G.

(b) CONCRETE FLOOR - M12 CHEMICAL ANCHORS TO MANUF. SPECIFICATIONS AT EACH END & INTERMEDIATELY AT 1200 CRS. MAX. U.N.G.

TYPICAL SECTION



METAL ANGLE BRACE - BRACING WALL

TABLE 8.18 FIG C
BRACING VALUE = 1.5 kN/M

NOTES:

- THE MAXIMUM DEPTH OF NOTCH OR SAW CUT SHALL NOT EXCEED 200MM
- SAW CUTS SHALL BE DEFINED AS NOTCHES

WALL HEADS ARE TO FINISH PROUD OF THE BRACING SHEET
ANY PENETRATION OF THE SHEET WILL NOT BE ACCEPTED ON SITE.

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CLIENT
ALEX & JADE WATSON

PROJECT
PROPOSED NEW RESIDENCE
8 OWEN STREET,
WELLINGTON POINT, QLD

DRAWING TITLE
BRACING DETAILS & TIE-DOWN TABLES

DRAWN
S.ROKICH

CHECKED
M.T-SMITH

CHECKED
N.KAOSTOS

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RP/CD 17142
07/06/2024

N.A.KAOSTOS

A1 ORIGINAL, APPROX. 50% SCALE AT A3

13705

S301

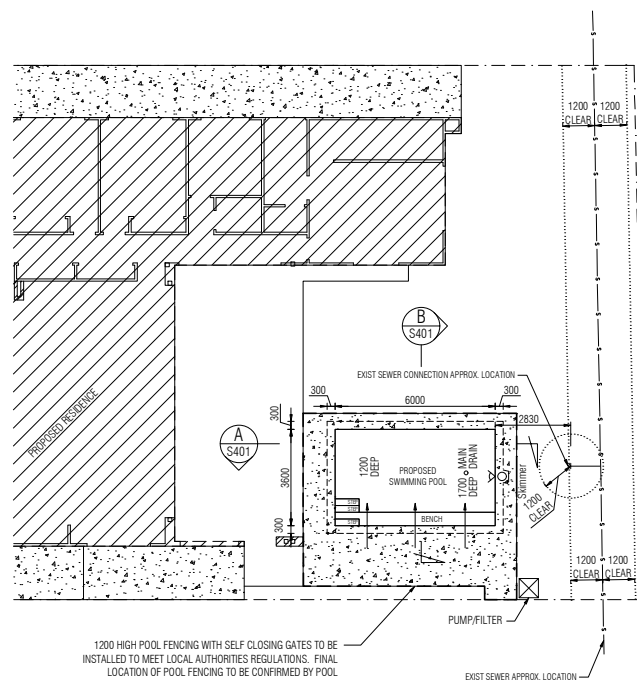
SWIMMING POOL PLAN

1.100

- SLAB THICKNESS TO BE 150 U.N.O.
- POOL REINFORCEMENT GENERALLY IN WALLS & FLOOR TO BE S12-300 (UNO) AT 150 THICK SHELL WITH EXTRA BARS AS SHOWN ON DETAILS.
- SINGLE LAYER ONLY WITH 50 COVER TO WATER FACE.
- CONCRETE GRADE - S32MPa AT 28 DAYS (PUMP MIX)
- ALL STEPS AND DIMENSIONS TO BE CONFIRMED WITH THE CLIENT PRIOR TO PROCEEDING WITH CONSTRUCTION.
- FINAL LOCATION & NUMBER OF LIGHTS & RETURN LINES (INLETS) TO BE CONFIRMED ON SITE BY POOL BUILDER.

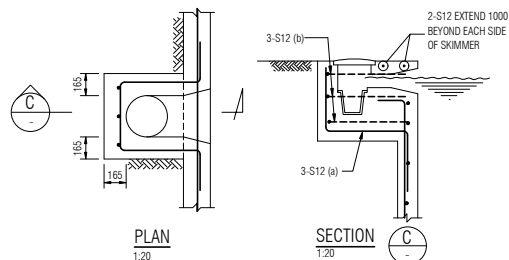
→ RETURN

⚡ LIGHT LOCATION TBC

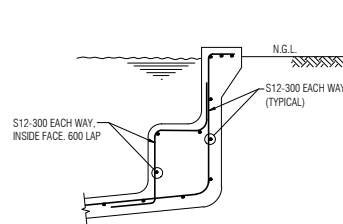


1200 HIGH POOL FENCING WITH SELF CLOSING GATES TO BE
INSTALLED TO MEET LOCAL AUTHORITIES REGULATIONS. FINAL
LOCATION OF POOL FENCING TO BE CONFIRMED BY POOL
BUILDER. 1800 HIGH POOL FENCING ON PROPERTY BOUNDARY.
BOUNDARY FENCE TO COMPLY WITH AS 1926.

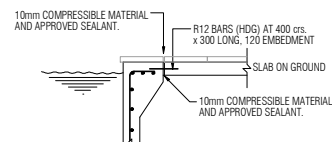
EXIST SEWER APPROX. LOCATION



SKIMMER BOX DETAIL



TYPICAL SEAT / BENCH DETAIL



FALL CONCRETE PATHWAY / SLAB AWAY FROM POOL
AND COLLECT IN SW SUMP. TO BUILDERS DETAIL.
ENSURE NON SLIP FINISH TO COMPLY WITH RELEVANT STANDARDS

TYPICAL EDGE DETAIL

SWIMMING POOL STRUCTURAL NOTES

- THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH AUSTRALIAN STANDARDS AND COMPLIES WITH THE FOLLOWING STANDARDS:
- AS 3602 CONSTRUCTION, SHAPING AND TESTING SHALL ALSO BE CARRIED OUT IN ACCORDANCE WITH THE ABOVE.
 - ALL DIMENSIONS IN MM AND UNDO ARE TO BE CHECKED ON SITE PRIOR TO WORK COMMENCING. DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE STRUCTURAL DRAWINGS.
 - ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED. REINFORCEMENT SHALL BE REQUIRED.
 - ADJACENT EXISTING STRUCTURES SHALL BE MAINTAINED UNHARMED BY THE CONSTRUCTION OF THIS POOL. SPA OR ASSOCIATED PROPOSED STRUCTURE.
 - CONSTRUCTION TO EXISTING CONCRETE SHALL BE TO THE EXISTING FINISH.
 - THE STRUCTURE INCLUDING POOL WALLS AND FLOORS HAVE BEEN DESIGNED TO BE LOCATED WITHIN THE GROUND CAPABLE OF SUSTAINING A BEARING PRESSURE OF 100kpa.
 - UNDISTURBED NATURAL GROUND BENEATH OF THE STRUCTURE SHALL BE PROTECTED. WATERING AND TESTING OF THE BASE TO CONFIRM THAT 100% BEARING HAS BEEN ACHIEVED.
- THE FOLLOWING DETAILS ARE SUITABLE FOR CONSTRUCTION IN FIRM NATURAL GROUND OR CERTIFIED COMPACTED UP TO CLASS M/5 REACTIVITY. THESE STRUCTURAL DETAILS ARE NOT SUITABLE WHERE GROUND IS MORE REACTIVE THAN CLASS H/5 OR WHERE LOOSE OR NON-FORM MATERIALS ARE ENCOUNTERED UNDER THE POOL.
- IF THE BUILDING IS TO BE CONSTRUCTED ON A SLOPE, THE FOLLOWING ADDITIONAL CONDITIONS ARE ADHERED TO, IN ADDITION, THIS OFFICE OFFER A GEO-TECHNICAL CONSULTANT SHOULD BE NOTIFIED.
- THE ENGINEER SHALL BE ADVISED TO CONSTRUCTION IN AN FILL OR ON A SLOPE. EXISTENTIAL CONDITIONS UNDER POOL FLOORS OR RESIDE WALLS.
- IF THE POOL IS BEING CONSTRUCTED IN ROCKY OR CLAYEY GROUND, A 200mm BED OF CLEAN SAND OR GRAVEL (20mm AGGREGATE SIZE) SHOULD BE PLACED BELOW THE POOL FLOOR.
 - A MINIMUM VAPOR WAULT BE INCLUDED IN THE MAIN DRAIN PIPE FOR RELIEFING GROUND WATER PRESSURE TO THE POOL FLOOR AND WALLS.
- THE FLOOR FINISH SHOULD BE TO BE FORMED BARE, STRUCTURE GRADE TO AS 3602.2.2. FLOORING AND SURFACING TO BE PROVIDED. PROPER COVER AND STIFFS AS SHOWN ON THE STRUCTURAL DRAWINGS.
- AFTER THE POOL SHELL HAS BEEN POURED, ALL THE CONCRETE SURFACES SHOULD BE CURED ACCORDING TO AS2738 SECTION 1 IMMEDIATELY AFTER POURING.
- IF THE CONCRETE SHOULD BE PROTECTED FROM DRYING OUT, THE FOLLOWING MINIMUM CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS IS TO BE 32 MPa.
- THE POOL WALLS ARE NOT TO BE BACKFILLED FOR A MINIMUM OF 14 DAYS AFTER FORMWORK HAS BEEN STRIPPED. THE FORMWORK TO THE WALLS CAN BE REMOVED AT THE FOLLOWING MINIMUM STRENGTH:
- THE POOL SHOULD NOT BE FILLED FOR AT LEAST 14 DAYS AFTER EITHER STRIPPING OF FORMWORK OR CONCRETE SPRAYING. MAXIMUM UNIFORM RATE OF SETTING IS TO BE 1 METRE PER HOUR.
- IF THE FINISHING OF THE POOL SHALL BE BY AN APPROVED METHOD TO POOL BUILDERS' SPECIFICATIONS.
- POOL FENCING AND SECURITY SHALL NOT BE THE MINIMUM REQUIREMENTS OF THE LOCAL AUTHORITY.
 - THE POOL SHALL NOT BE EMPTIED WITHOUT WRITTEN APPROVAL OF THE POOL BUILDER.
 - THE POOL SAFETY FENCING, SUMMER BOMB FILTER BARN AND FILLER DETAILS LOCATION INDICATED ON PLANS SHALL BE APPROVED BY THE OWNER/CLIENT PRIOR TO CONSTRUCTION.
 - THE POOL SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING SAS CODES AND/OR LOCAL AUTHORITY SPECIFICATION.
- AS1926 - AUSTRALIAN STANDARDS FOR FENCING AND GATES FOR PRIVATE SWIMMING POOLS
- AS1926 STANDARDS SHALL BE APPLIED TO ALL POOLS.
- IF A POOL IS ENCOUNTERED THE ENTIRE POOL SHALL BE FOUND ON ROCK.

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CLIENT

ALEX & JADE WATSON

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8 OWEN STREET,
WELLINGTON POINT, QLD

DRAWING TITLE

POOL PLANS & SPECIFICATION

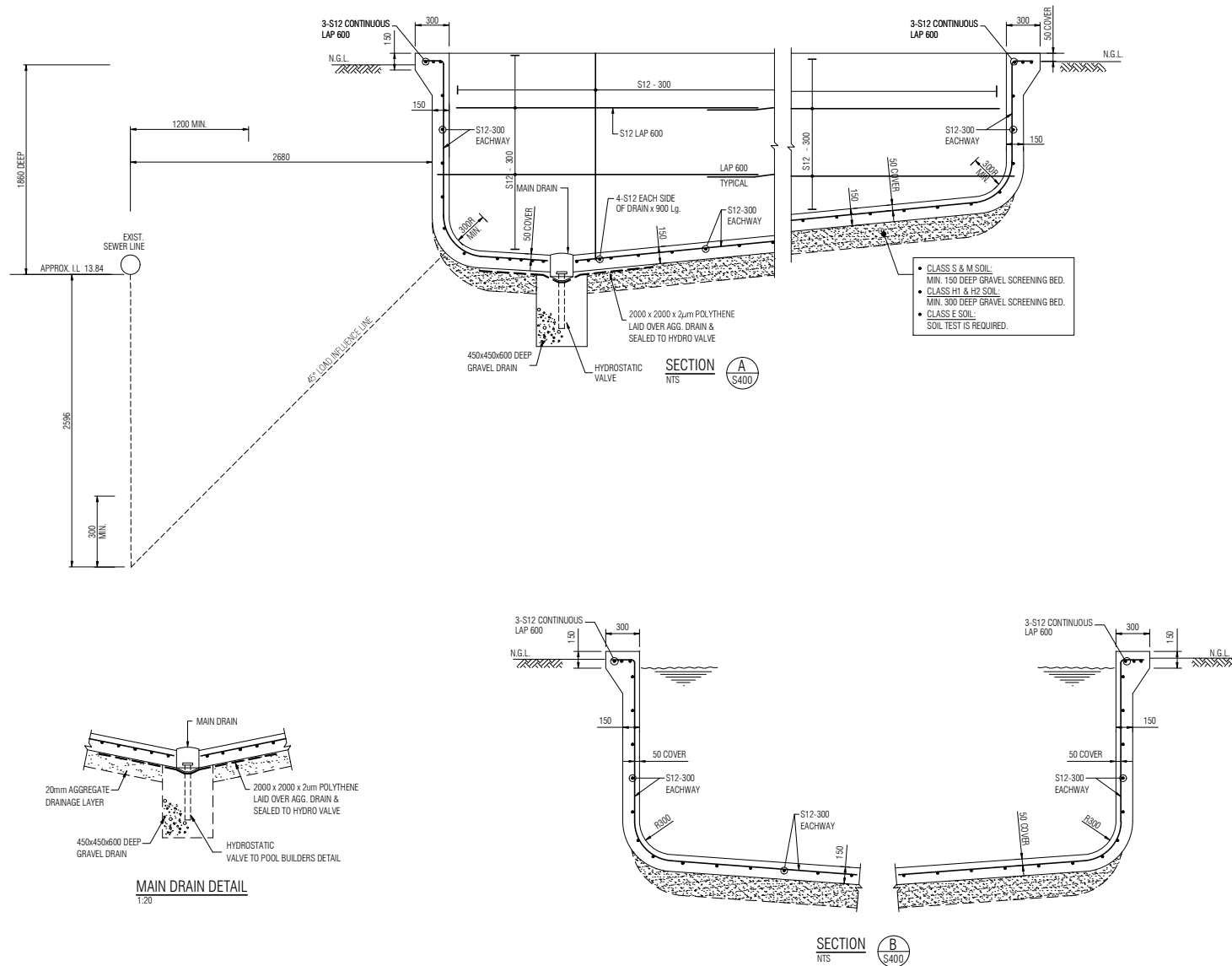
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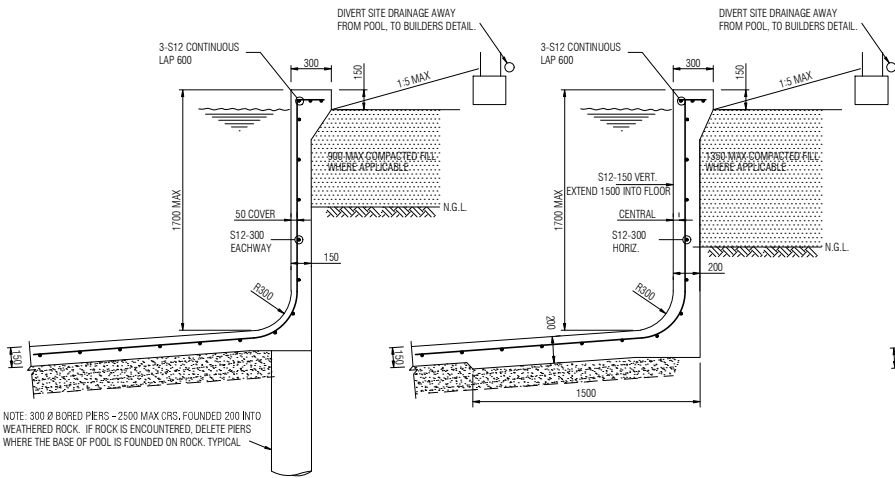
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NOTE :

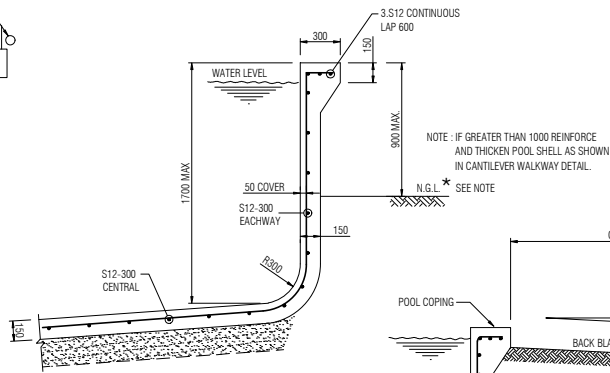
- S12 BARS TO BE LAPPED 600mm AT SPLICES AND RETURNED 600 AT CORNERS.
- STAGGER LAPS IN ADJACENT BARS

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(DRAWING TITLE)															
POOL SECTIONS & DETAILS															
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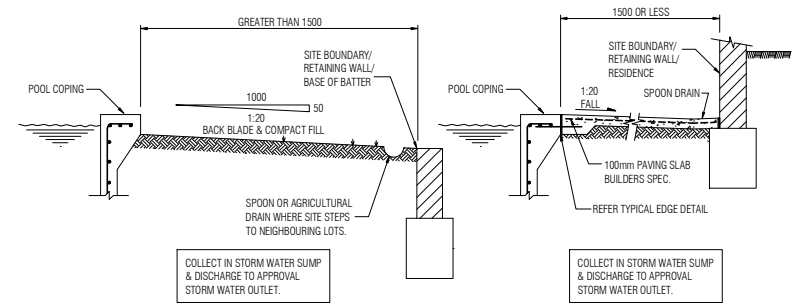


RETAINING FILL UP TO 900
1:20

RETAINING FILL UP TO 1350
1:20



CANTILEVER DETAIL - 900 MAX
1:20

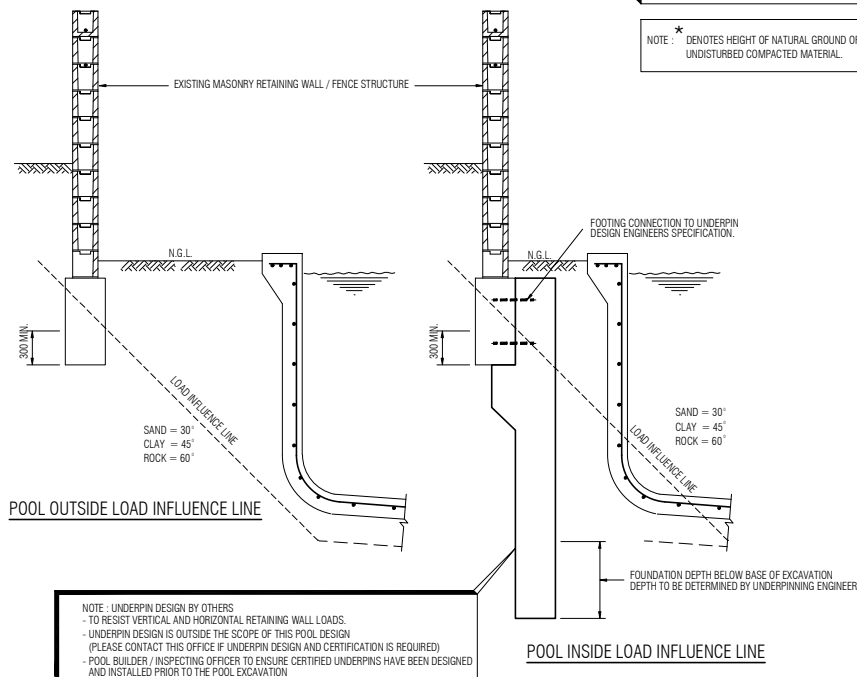


SITE DRAINAGE DETAILS

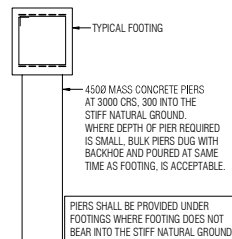
PROPERTY OWNER TO ENSURE COMPLIANCE WITH NCC, VOLUME 2, CLAUSE 3.1.2 (SITE DRAINAGE).

NOTE :
S12 BARS TO BE LAPPED 600mm AT SPLICES AND RETURNED 600 AT CORNERS. STAGGER LAPS IN ADJACENT BARS

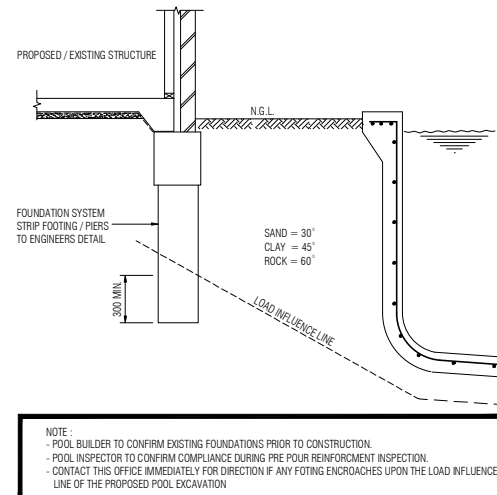
NOTE : * DENOTES HEIGHT OF NATURAL GROUND OR UNDISTURBED COMPACTED MATERIAL.



POOL EXCAVATION DETAIL ADJACENT MASONRY WALL STRUCTURES
1:20



PIER/FOOTING DETAIL
1:20



POOL EXCAVATION DETAIL
1:20

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