

BLOCKWORK

1. ALL BLOCKWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH AS 3700 USING GRADE 15 BLOCKS (15MPa) AND MORTAR CLASSIFICATION TYPE M3 UNLESS NOTED OTHERWISE.
2. FULLY BED FACE AND END SHELLS IN HOLLOW BLOCK WALLS.
3. INFILL GROUT TO HAVE AN f_c OF 20MPa WITH 10mm AGGREGATE AND MAXIMUM SLUMP 230mm, +/- 30mm AND SHALL HAVE A CEMENT CONTENT OF NOT LESS THAN 30kg/m³.
4. PROVIDE CLEAN OUT HOLES AT THE BOTTOM OF ALL CORES IN ANY GROUTED LIFT.
5. REMOVE ALL MORTAR INTRUSIONS FROM CORES BEFORE GROUTING.
6. WET ALL CORES BEFORE GROUTING.
7. FILL CONCRETE CORES AS FOLLOWS UNLESS NOTED OTHERWISE:
 - ALL WALLS BELOW GROUND LEVEL
 - RETAINING WALLS - ALL CORES
 - BOUNDARY WALLS - FIRE RATED - ALL CORES
 - LOAD BEARING WALLS - REINFORCED CORES ONLY, U.N.O.
 - OTHER WALLS - REINFORCED CORES ONLY
 - CORES WITHIN 100mm OF MASONRY ANCHOR FIXINGS
8. WALLS TO BE POURED PROGRESSIVELY IN 2.5m MAX. POUR LIFTS. THE CONTRACTOR SHALL ENSURE THAT THE COREFILLING SEQUENCE DOES NOT PRODUCE COLD JOINTS DURING POURING. CONSTRUCTION JOINTS IN WALLS GREATER OR EQUAL TO 3.6m TALL SHALL BE AT HEIGHTS AND LOCATIONS APPROVED BY THE ENGINEER.
9. DO NOT COMMENCE GROUTING UNTIL BLOCKWORK AND REINFORCEMENT HAVE BEEN INSPECTED AND APPROVED BY THE STRUCTURAL ENGINEER.
10. PROVIDE 15mm MINIMUM REINFT COVER TO INSIDE OF FACE SHELLS. REINFORCEMENT SHALL BE LOCATED CENTRALLY IN THE CORES (U.N.O.) CAREFULLY LOCATE STARTER BARS IN FOOTINGS. TIE REINFORCEMENT SECURELY SO THAT IT WILL NOT BE DISPLACED DURING GROUTING.
11. ALL BAR LAPS SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:
 - N12: 600mm LAP
 - N16: 800mm LAP
 - N20: 1000mm LAP
12. DISCONTINUE HORIZONTAL REINFORCEMENT AT CONTROL JOINTS.
13. PROVIDE BOND BEAMS AT LOCATIONS AS SHOWN IN ELEVATIONS.
14. ALL WALLS SHALL BE BONDED OR TIED AT THEIR INTERSECTIONS.
15. ALL REINFORCED BLOCK WALLS TO BE REINFORCED VERTICALLY AT ENDS OF WALLS, CORNERS, SIDES OF OPENINGS, ADJACENT TO CONTROL JOINTS AND UNBONDED INTERSECTIONS, AND AT MAXIMUM CENTRES BETWEEN THESE POINTS AS SHOWN ON THE DRAWINGS.
16. PROVIDE 'W' TIE SPACERS TO ALL 200 SERIES & 'V' TIE SPACERS TO 150 SERIES BOND BEAM AND LINTEL REINFORCEMENT.
17. FOR SIZE OF VERTICAL REINFORCEMENT AT TRUSS HOLD DOWN LOCATIONS REFER TO ROOF DETAILS. REFER TRUSS DETAILS FOR NON-STANDARD CGF REQUIRED TOPS OF WALLS SUPPORTING TRUSSES.

RETAINING WALLS

1. ALL RETAINING WALLS TO BE ALL CORES FILLED.
2. PROVIDE CLEAN OUT BLOCKS AT BASE OF ALL REINFORCED CORES FOR ALL WALLS OVER 1200 HIGH.
3. BACKFILL BEHIND WALLS TO BE FREE DRAINING GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO 95 % STANDARD COMPACTION.
4. PROVIDE CONTROL JOINTS IN WALLS AT 12000 MAX. CRS. AND AT 8000 MAX. CRS. FROM CORNERS.
5. 100 DIA. SLOTTED PVC AGRICULTURAL PIPE WRAPPED WITH A GEOFABRIC SOCK IN 20mm AGGREGATE SURROUND AT THE BASE OF WALL LAY TO A MINIMUM UNIFORM GRADE OF 1 IN 100. THE LOW END OF EACH RUN IS TO BE DRAINED THROUGH TO A STORMWATER SYSTEM. PROVIDE CAPPED INSPECTION LINES TO THE SURFACE AT 10000 CRS. AND WHERE CHANGES IN DIRECTION OCCUR.
6. BACKFILLING BEHIND RETAINING WALLS SHALL NOT COMMENCE PRIOR TO 3 DAYS AFTER COREFILL HAS BEEN PLACED.

STRUCTURAL TIMBER TRUSS

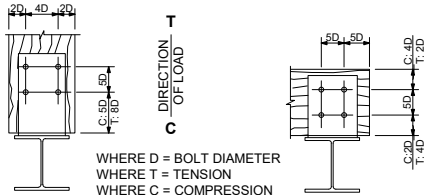
1. STRUCTURAL TIMBER TRUSSES SHALL BE DESIGNED FOR THE WIND LOADS NOMINATED THE "DESIGN DATA" AND ANY ADDITIONAL LOADINGS INDICATED ON THE DRAWINGS.
2. STRUCTURAL TIMBER TRUSS BRACING AND CONNECTIONS BETWEEN TRUSSES ARE TO BE DESIGNED AND FABRICATED BY AN APPROVED FIRM OF TRUSS FABRICATORS. THE BASIS OF DESIGN SHALL BE AS/NZS 1170.0, AS/NZS 1170.1, AS/NZS 1170.2 AND AS 1720.1 INCLUDING ALL CURRENT AMENDMENTS.
3. IN ADDITION TO THE NOMINATED PERMANENT BRACING, PROVIDE ANY ADDITIONAL PERMANENT BRACING REQUIRED FOR THE STRUCTURAL EFFICIENCY OF THE TRUSS SYSTEM, INCLUDING BOTTOM CHORD BRACING TO MAINTAIN THE STABILITY OF THE TRUSSES. THIS SHALL BE DESIGNED BY THE TRUSS FABRICATORS ENGINEER.
4. PROVIDE ANY TEMPORARY BRACING REQUIRED TO MAINTAIN THE STABILITY OF THE TRUSSES AT ALL STAGES OF ERECTION.
5. ALL TIMBER FRAMING AND CONNECTIONS SHALL BE IN ACCORDANCE WITH AS 1684 PART 3.

TIMBER NOTES

1. TIMBER CONSTRUCTION TO BE IN ACCORDANCE WITH AS 1720 AND AS 1684 PART 3 UNLESS SPECIFICALLY DETAILED ON ACCOMPANYING PLANS.
2. ALL STRUCTURAL TIMBER SHALL BE HARDWOOD STRESS GRADE F14 AND JOINT GROUP J2 OR SOFTWOOD MGP12 JOINT GROUP JD4. ALL SIZES REFER TO NOMINAL DIMENSIONS. THE TOLERANCE ON SIZES FOR HARDWOOD SHALL BE +0.0, -3.0mm AND FOR SOFTWOOD -0mm.
3. ALL TIMBER USED SHALL HAVE BEEN STRESS GRADED BY VISUAL OR MECHANICAL MEANS IN ACCORDANCE WITH THE APPROPRIATE AUSTRALIAN STANDARD.
4. ALL TIMBER SHALL BE WITHIN $\pm 3\%$ OF EQUILIBRIUM MOISTURE CONTENT WHEN INSTALLED.
5. TIMBER AT JOINTS SHALL BE FREE OF DEFECTS.
6. ALL EXPOSED TIMBER SHALL BE OF DURABILITY CLASS 2 OR BETTER.
7. ALL BOLTS BEARING ON TIMBER EXCEPT CUP-HEAD BOLTS, SHALL USE THE FOLLOWING WASHER:

a. SIZES UP TO M12:	50x50x3mm (32 DIA. x 3mm ACCEPTABLE FOR ROOF MEMBERS)
b. M16 & M20:	65x65x5mm (32 DIA. x 3mm ACCEPTABLE FOR ROOF MEMBERS)
8. STUDS HAVE BEEN DESIGNED AS NOT NOTCHED. WHERE STUDS ARE NOTCHED (20mm MAX.) PROVIDE AN ADDITIONAL STUD ADJACENT TO THE NOTCHED STUD. FIX AS PER 'VERTICAL NAIL LAMINATION' DETAILS OF AS 1684.
9. HOLES FOR BOLTS, UNLESS OTHERWISE DETAILED, SHALL BE MADE OVERSIZE AS FOLLOWS:

a. BOLT DIA. 15mm OR LESS:	2mm OVERSIZE
b. BOLT DIA. 16mm AND GREATER:	3mm OVERSIZE
10. SPECIALISED METAL FASTENERS SUCH AS 'GANG NAIL' PLATES, 'TRIP-L-GRIP' ETC SHALL BE OF PROVEN TYPE AND SHALL HAVE THE WORKING LOADS DETERMINED IN ACCORDANCE WITH THE PROCEDURE SPECIFIED IN AS 1649.
11. EDGE DISTANCES FOR FASTENERS IN TIMBER (FROM ENDS AND SIDES) SHALL BE IN ACCORDANCE WITH AS 1720. EDGE DISTANCES FOR BOLTS SHALL BE AS FOLLOWS:



WITH THE GRAIN

AGAINST THE GRAIN

MINIMUM SPACING, EDGE DISTANCES FOR NAILS SHALL BE AS PER THE FOLLOWING TABLE, WHERE D = DIAMETER OF THE NAIL

SPACING TYPE	MINIMUM DISTANCES	
	HOLES NOT PREBORED	HOLES PREBORED TO 80% OF NAIL DIAMETER
END DISTANCE	20D	10D
EDGE DISTANCE	5D	5D
BETWEEN NAILS		
- ALONG GRAIN	20D	10D
- ACROSS GRAIN	10D	3D

MINIMUM SPACING, EDGE DISTANCES FOR SCREWS SHALL BE AS PER THE FOLLOWING TABLE, WHERE D = DIAMETER OF THE SCREW

SPACING TYPE	MINIMUM DISTANCES
END DISTANCE	10D
EDGE DISTANCE	5D
BETWEEN NAILS - ALONG GRAIN - ACROSS GRAIN	10D 3D

12. ALL BOLTS IN CONTACT WITH PRESERVATIVE TREATED TIMBER SHALL BE COATED IN GREASE PRIOR TO ERECTION, OR OTHERWISE INSULATED FROM THE PRESERVATIVE TREATED TIMBER TO THE SATISFACTION OF THE ENGINEER.
13. ALL STRUCTURAL PLYWOOD SHALL BE AT LEAST D/D GRADE AND MARKED WITH THE FOLLOWING:
 - a. THE MANUFACTURER'S NAME
 - b. THE WORD "STRUCTURAL"
 - c. THE TYPE OF BOND (A BOND)
 - d. STRESS GRADE, eg F14.
 - e. THE TESTED "PAA STRUCTURAL" MARK
14. ALL FRAMING ANCHORS (FA) AND TRIP-L-GRIP (TLG) TO BE FIXED WITH A MINIMUM OF 4-30 x 2.85 DIAMETER NAILS EACH FACE (12 NAILS MINIMUM) UNLESS NOTED OTHERWISE.

LIGHT STEEL FRAMING NOTES

1. LIGHT STEEL WALLS AND INTERNAL CEILINGS ARE TO BE DESIGNED BY THE CONTRACTOR TO THE DESIGN LOADS NOMINATED BELOW AND IN ACCORDANCE WITH THE NASH STANDARDS. THE FINAL DESIGN IS TO BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION. MEMBERS ARE TO BE AT LEAST 0.75 BMT.
2. CONTRACTOR TO PROVIDE ALL CERTIFICATION (FORM 15 AND FORM 12) FOR LIGHT STEEL WALLS AND INTERNAL CEILINGS.

WALL AND CEILING DESIGN PRESSURES	ULTIMATE DESIGN PRESSURE	SERVICEABILITY DESIGN PRESSURE
INTERNAL WALLS AND CEILINGS THAT FORM AN EFFECTIVE SEAL BETWEEN ROOMS (FIRE WALLS, SMOKE WALLS, WALLS THAT CONTINUE TO SLAB ABOVE) AND INTERNAL WALLS WHERE FIXED (NON-REMOVABLE) CEILINGS ARE PRESENT. FIXED CEILINGS SHALL ALSO BE DESIGNED FOR THIS PRESSURE.	1.8 kPa	0.45 kPa
EXTERNAL LIGHT STEEL WALLS	REFER GLAZING/SOFFT/EXTERNAL WALL PARAMETERS	REFER GLAZING/SOFFT/EXTERNAL WALL PARAMETERS

3. WALLS ARE TO BE DESIGNED SUCH THAT DEFLECTIONS ARE LIMITED TO HEIGHT/150 UNDER SERVICEABILITY WIND LOAD AND HEIGHT/200 BUT <12mm UNDER 0.7KN HORIZONTAL LOAD APPLIED AT ANY LOCATION. THE WALL SHALL NOT VIBRATE OR DEFLECT >12mm UNDER DOOR SLAM.
4. FIRE RATED WALLS SHALL MEET THE REQUIREMENTS OF THE ACCREDITED SYSTEM AND ADDITIONAL TO THE REQUIREMENTS NOTED HEREIN.
5. AT STRUCTURAL MOVEMENT JOINTS, DISCONTINUE ALL TRACKS AND ENSURE NO TRACKS ARE FASTENED ACROSS THE JOINT. INSTALL MOVEMENT JOINTS IN FINISHES ACROSS THE JOINT.
6. PROVIDE DEFLECTION HEADS TO WALLS THAT FINISHED AT UNDERSIDE OF SLABS. PROVIDE ADEQUATE CLEARANCE SUCH THAT WALLS ARE NOT DAMAGED BY LONG TERM SLAB DEFLECTIONS OF UP TO 30mm.
7. BRACE FRAMES THAT FINISH BELOW SLAB/STUCCO LINE, PERPENDICULAR TO WALL SHALL BE 45mm TO 60mm THICK SQUARE OR RECTANGULAR BRACE WITH MINIMUM BOND 0.75mm LIPPED STRUT INCLINED AT 45° FIXED TO TOP TRACK WITH 2/nO. 14 TEK SCREWS AND TO SLAB WITH M8 TUBULOT WITH 50x50x3.0 WASHER. CONTACT ENGINEER IF BRACE LENGTH EXCEEDS 1500mm.
8. AS A MINIMUM WALLS SHALL BE AS FOLLOWS:
 - 76mm NOMINAL STUDS 0.75 BMT. LIPPED SECTION AT 450mm MAX. CRS SPACED TO SUIT WALL FINISHING REQUIREMENTS.
 - BOTTOM CORNER 75 BMT FIXED TO SLAB WITH RAMSET GUN AND WASHER
 - 450mm CRS TO 600mm CRS WITHIN 100 OF ENDS. FIX TO EACH STUD BOTH SIDES WITH 8g TEK SCREW.
 - TOP TRACK 1.15 BMT BRACED TO SUPPORT OVER. FIX TO EACH STUD BOTH SIDES WITH 8g TEK SCREWS IF NOT A DEFLECTION HEAD.

1. THE WORK HEALTH AND SAFETY ACT 2011 REQUIRES DESIGNERS PROVIDE A WRITTEN REPORT OUTLINING THE HAZARDS IDENTIFIED BY THE DESIGNER, ACTIONS TAKEN TO REDUCE THOSE RISKS AND ANY OTHER REMAINING HAZARDS.
2. HAZARDS OUTLINED IN THIS REPORT ARE STRUCTURAL AND/OR CIVIL ENGINEERING IN NATURE, WHICH HAVE BEEN IDENTIFIED SO AS TO BE REASONABLE AND PRACTICABLE. OTHER DESIGNERS MAY IDENTIFY ADDITIONAL HAZARDS AND RELEVANT PERSONS MUST REVIEW ALL DESIGNERS' PRACTICE IN DESIGN REPORTS.
3. THE BUILDING OWNER, CLIENT AND CONTRACTOR MUST ENSURE THAT ALL RELEVANT PERSONS ARE MADE AWARE OF THE PROVISIONS OF THE REPORT.
4. THIS REPORT APPLIES TO ALL STAGES OF THE STRUCTURE LIFE INCLUDING CONSTRUCTION, MAINTENANCE, USE AND DEMOLITION.
5. RISKS NOTED AT EACH LIFECYCLE STAGE MAY APPLY TO OTHER STAGES. RELEVANT PERSONS SHALL REVIEW ALL STAGES.

1. THE PURPOSE OF THIS STRUCTURE IS TO BE A PREP BUILDING.
2. THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE RELEVANT AUSTRALIAN STANDARDS LISTED ON THE FORM 15.
3. THE FOLLOWING TESTING HAS BEEN UNDERTAKEN:
 - GEOTECHNICAL REPORT . REFER S0.01

HAZARDS ARE CONTROLLED THROUGH RISK CONTROL MEASURES AS FOLLOWS:

ELIMINATION	- REMOVE THE HAZARD THROUGH DESIGN MEASURES
ENGINEERING	- PROVIDE AN ENGINEERING SOLUTION TO CONTROL THE RISK
ADMINISTRATION/ CODES OF PRACTICE	- USE OF ADMINISTRATION CONTROLS TO INFLUENCE PEOPLE

- CURRENT CODES OF PRACTICE ARE AVAILABLE AT WORKSAFE.QLD.GOV.AU

HAZARDS		CONTROL MEASURE	CONTROL			PERSON RESPONSIBLE FOR CONTROL	ADDITIONAL NOTES	
			ELIMINATION	ENGINEERING	ADMINISTRATION/ CODES OF PRACTICE			
FALLS, SLIPS AND TRIPS	WORK AT HEIGHT	PROVIDE SCAFFOLDING AS REQUIRED			✓	CONTRACTOR	REFER CODE OF PRACTICE	
		PROVIDE EDGE PROTECTION			✓	CONTRACTOR	REFER CODE OF PRACTICE	
		FOLLOW PROVISIONS OF CODE OF PRACTICE			✓	CONTRACTOR	REFER CODE OF PRACTICE	
	UNEVEN SURFACES	WHERE APPLICABLE, LEVELS DESIGNED TO MINIMISE UNEXPECTED STEPS AND FALLS		✓		ENGINEER		
	EXPOSED REINFORCING BARS	PROVIDE HOOKS TO TOP OF BARS WHERE POSSIBLE		✓		ENGINEER		
WORK ON EXISTING STRUCTURES	STRUCTURE COLLAPSE	PROVIDE SAFETY CAPS TO UNHOOKED BARS			✓	CONTRACTOR	REFER CODE OF PRACTICE	
		OBTAIN EXISTING STRUCTURAL DRAWINGS WHERE POSSIBLE	✓			ENGINEER/CONTRACTOR	EXISTING DRAWINGS WERE NOT AVAILABLE	
		FULLY PROP ANY LOAD BEARING ELEMENTS DURING CONSTRUCTION			✓	CONTRACTOR	REFER CODE OF PRACTICE	
LOADS ON PARTIAL STRUCTURES		ENSURE DESIGN LOADS ARE NOT APPLIED TO PARTIALLY CONSTRUCTED STRUCTURE			✓	CONTRACTOR	REFER CODE OF PRACTICE	
		WHERE POSSIBLE, DESIGN STRUCTURE FOR PARTIALLY CONSTRUCTED STATE		✓		ENGINEER		
		CONTRACTOR MUST CONSULT ENGINEER IF DESIGN LOADS WILL BE APPLIED TO PARTIAL STRUCTURES			✓	CONTRACTOR	REFER CODE OF PRACTICE	
		TEMPORARILY PROP STRUCTURES AS REQUIRED DURING CONSTRUCTION			✓	CONTRACTOR	REFER CODE OF PRACTICE	
FALLING OBJECTS	STRUCTURAL COMPONENTS	PROVIDE CLEARLY MARKED LIFTING POINTS		✓		ENGINEER		
		CREATE EXCLUSION ZONES			✓	CONTRACTOR	REFER CODE OF PRACTICE	
		ENSURE TEMPORARY PROPS ARE ADEQUATELY DESIGNED AND SECURED		✓	✓	ENGINEER/CONTRACTOR		
		PROVIDE MINIMUM OF TWO BOLT HOLES IN STEELWORK FOR EASE OF ERECTION		✓		ENGINEER		
	LOOSE OBJECTS	PROVIDE FLOOR FALL THROUGH PROTECTION WHERE > 1500mm CLEARANCE TO FLOOR BELOW		✓		CONTRACTOR	REFER CODE OF PRACTICE	
CRUSHING COLLAPSE OF STACKED MATERIALS	HEAVY CONSTRUCTION MATERIALS	PROVIDE EXCLUSION ZONES WHEN MOVING MATERIALS, ENSURE MATERIALS ARE STABLE BEFORE MOVING PLANT			✓	CONTRACTOR	ENSURE PERSONNEL, EQUIPMENT AND MACHINERY CANNOT INTERACT WHEN MOVING HEAVY MATERIALS	
SERVICES	RUPTURE OF SERVICE, POSSIBLE ELECTROCUTION	IDENTIFY AND DOCUMENT EXISTING SERVICES			✓	ENGINEER/ARCHITECT	WHERE KNOWN, EXISTING SERVICES HAVE BEEN NOTED ON PLANS	
		DIAL BEFORE YOU DIG			✓	CONTRACTOR		
		PROVIDE LOAD PATH AROUND SERVICES		✓		ENGINEER		
		ISOLATE SERVICE PRIOR TO CONSTRUCTION	✓			CONTRACTOR	REFER CODE OF PRACTICE	
	OVERHEAD POWERLINES	ENSURE ADEQUATE CLEARANCE TO OVERHEAD POWERLINES			✓	CONTRACTOR	CONTRACTOR TO CONTACT SERVICE PROVIDER AND FOLLOW APPROPRIATE PROCEDURES AND CODE OF PRACTICE	
EARTHWORKS	WORK NEAR SHAFTS OR EXCAVATIONS	ENSURE APPROPRIATE SERVICE PROVIDERS ARE NOTIFIED AND HAZARD FLAGGING IS INSTALLED			✓	CONTRACTOR		
		WHERE POSSIBLE, DESIGN FOR INSTALLATION WITHOUT ENTERING EXCAVATION	✓			ENGINEER		
		WHERE POSSIBLE, PROVIDE EXCAVATION SIDE SUPPORT, OR BENCHES/BATTERS		✓		ENGINEER/CONTRACTOR	REFER CODE OF PRACTICE	
	EROSION AND SEDIMENT CONTROL	CREATE EXCLUSION ZONES AROUND EXCAVATION			✓	CONTRACTOR	REFER CODE OF PRACTICE	
		COMPLY WITH EROSION AND SEDIMENT CONTROL PLAN			✓	CONTRACTOR		
		CONSTRUCTION OF AND AROUND STEEP BATTERS	WHERE POSSIBLE FLATTEN BATTERS TO LESS THAN 1 VERTICAL TO 3 HORIZONTAL		✓		ENGINEER/CONTRACTOR	CONTRACTOR TO PROVIDE METHOD STATEMENT FOR BATTERS STEEPER THAN 1 VERTICAL IN 3 HORIZONTAL
TRAFFIC MANAGEMENT	SLOPE STABILITY	OBTAIN A GEOTECHNICAL REPORT AND COMPLY WITH RECOMMENDATIONS	✓		✓	CONTRACTOR	CONTRACTOR RESPONSIBLE FOR ENSURING EXCAVATIONS REQUIRED TO CONSTRUCT THE WORK ARE STABLE. REFER CODE OF PRACTICE	
		WORK INVOLVING PUBLIC ROADWAYS, RAILWAYS OR SHIPPING LANES	PROVIDE A TRAFFIC MANAGEMENT PLAN WHERE APPLICABLE		✓		ENGINEER	A TRAFFIC MANAGEMENT PLAN WAS NOT PREPARED FOR THIS PROJECT
WATER BODIES	DROWNING	PROVIDE OFF STREET CARPARKING, ADEQUATE SITE ACCESS AND MATERIAL STORAGE AREAS			✓	CONTRACTOR		
		ISOLATE OR DRAIN WATER BODY WHERE POSSIBLE	✓			ENGINEER/CONTRACTOR		
	ELECTROCUTION	PROVIDE APPROPRIATE PPE			✓	CONTRACTOR		
		CAVE INS	AVOID ELECTRICAL WORK NEAR WATER BODIES			✓	CONTRACTOR	REFER CODE OF PRACTICE
PLANT	CONSTRUCTION OF AND AROUND STEEP BATTERS	CONTRACTOR TO PROVIDE DEWATERING EQUIPMENT AS REQUIRED AND ENSURE THAT DEWATERING PROCESS DOES NOT COMPROMISE THE STABILITY OF ADJACENT WORKS			✓	CONTRACTOR	MAINTAIN A STABLE CONDITION	
		OVERTURNING/COLLISION	FOLLOW PROVISIONS OF CODE OF PRACTICE			✓	CONTRACTOR	REFER CODE OF PRACTICE
		LOADS ON STRUCTURE OR EARTHWORKS	EXCLUDE PLANT FROM EXCAVATION/RETAINING STRUCTURE/BATTER ZONE OF INFLUENCE			✓	CONTRACTOR	REFER CODE OF PRACTICE
		DESIGN STRUCTURE FOR APPROPRIATE PLANT LOADS		✓		ENGINEER		
HAZARDOUS SUBSTANCES	COLLISIONS	PROVIDE EXCLUSION ZONES AROUND OPERATING PLANT			✓	CONTRACTOR	ENSURE PERSONNEL, EQUIPMENT AND MACHINERY CANNOT INTERACT WHEN MOVING HEAVY MATERIALS. REFER CODE OF PRACTICE	
		ASBESTOS	NOMINATE KNOWN LOCATIONS OF ASBESTOS CONTAMINATION			✓	ENGINEER/ARCHITECT	
		DO NOT DISTURB POSSIBLE ASBESTOS MATERIAL			✓	CONTRACTOR	REFER CODE OF PRACTICE	
	TREATED TIMBER	TEST POSSIBLE ASBESTOS MATERIALS PRIOR TO DISTURBING			✓	CONTRACTOR	REFER CODE OF PRACTICE	
		USE APPROPRIATE PPE WHILE CUTTING, SANDING OR DRILLING			✓	CONTRACTOR	REFER CODE OF PRACTICE	
		DO NOT BURN TREATED TIMBER			✓	CONTRACTOR		
	VOLATILE ORGANIC COMPOUNDS	KEEP AREAS WELL VENTILATED WHEN USING GLUES, SOLVENTS AND PAINTS			✓	CONTRACTOR	REFER CODE OF PRACTICE	
	SYNTHETIC MINERAL FIBRE	USE APPROPRIATE PPE WHEN HANDLING FIBREGLOSS, ROCKWOOL OR SIMILAR PRODUCTS			✓	CONTRACTOR	REFER CODE OF PRACTICE	
CONTAMINATED LAND	REMOVE / CONTAIN SUBSTANCE PRIOR TO CONSTRUCTION			✓	CONTRACTOR	ENSURE CONTAMINATED LAND IS IDENTIFIED, TREATED, STORED AND DISPOSED OF AS MANDATED. REFER CODE OF PRACTICE		

HAZARDS		CONTROL MEASURE	CONTROL			PERSON RESPONSIBLE FOR CONTROL	ADDITIONAL NOTES
			ELIMINATION	ENGINEERING	ADMINISTRATION/ CODES OF PRACTICE		
FALLS, SLIPS AND TRIPS	WORK AT HEIGHT	WHERE POSSIBLE, PLACE ITEMS OF REGULAR MAINTENANCE AT LOW HEIGHT	✓			ENGINEER/ARCHITECT	
		WHERE APPROPRIATE, PROVIDE SAFE ACCESS TO ITEMS AT HEIGHT, INCLUDING ANCHOR POINTS OR FIXED LADDERS		✓		ENGINEER/ARCHITECT	
CONFINED SPACE	ENCLOSED SPACES	MINIMISE THE REQUIREMENT TO ENTER CONFINED SPACES FOR MAINTENANCE	✓			ENGINEER/ARCHITECT	
		FOLLOW THE PROVISIONS OF CODE OF PRACTICE			✓	CONTRACTOR	REFER CODE OF PRACTICE
MATERIAL SELECTION AND DESIGN	STORMWATER DEVICES	PROVIDE INFRASTRUCTURE THAT CAN BE MAINTAINED WITHOUT CONFINED SPACE ENTRY		✓		ENGINEER/ARCHITECT	CONSIDER ALTERNATE SOLUTIONS
	MATERIAL DURABILITY	SELECT MATERIALS WHICH REQUIRE MINIMAL MAINTENANCE DURING DESIGN LIFE		✓		ENGINEER/ARCHITECT	
	LOADS ON STRUCTURE	DESIGN SURFACE FOR APPROPRIATE MAINTENANCE LOADS - ELEVATED WORK PLATFORMS ETC.		✓		ENGINEER	
		WHERE POSSIBLE PROVIDE LEVEL WORKING SURFACE FOR MAINTENANCE		✓		ENGINEER/ARCHITECT	

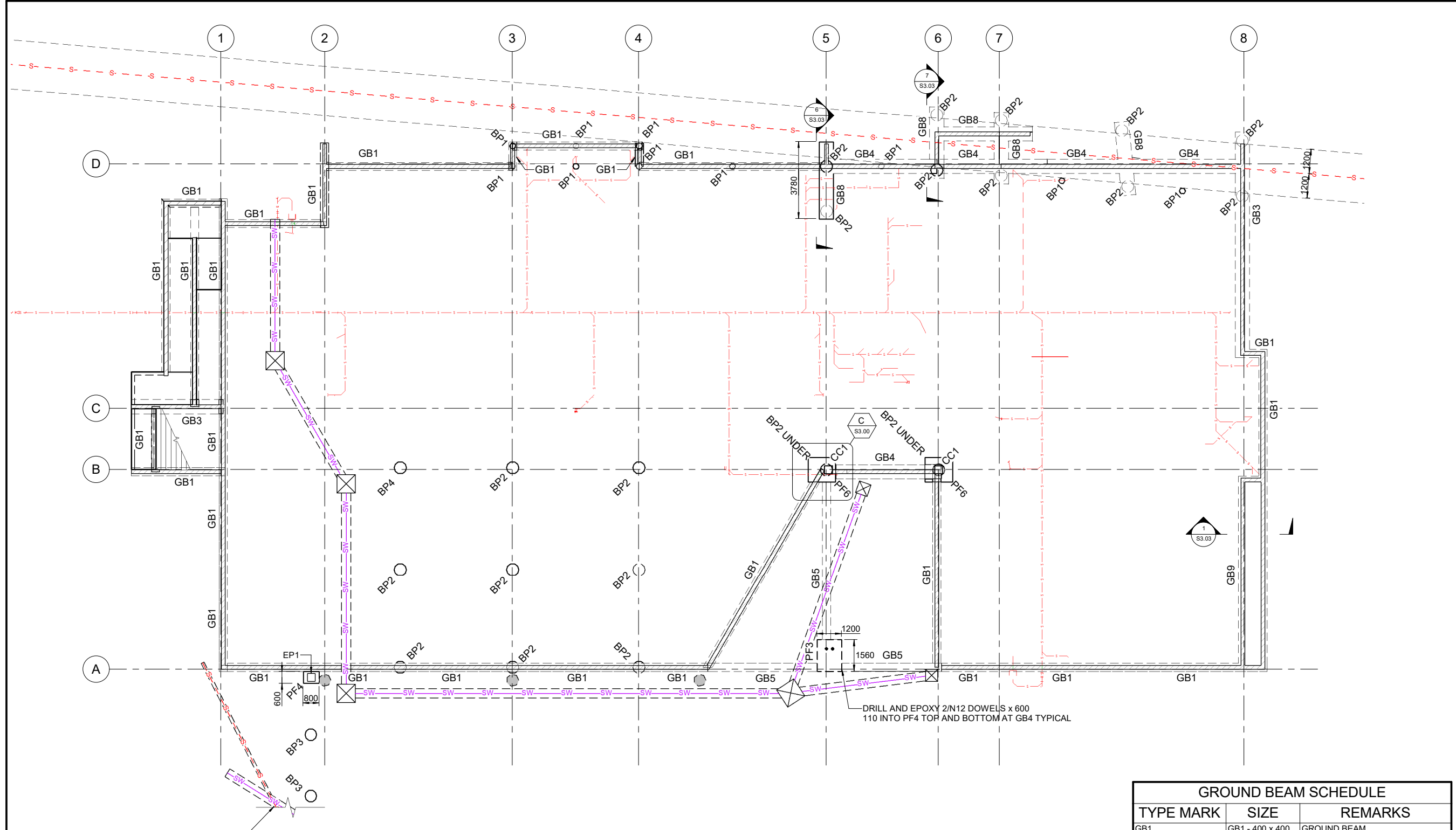
CONSTRUCTION



CLIENT CALVARY CHRISTIAN COLLEGE.		
PROJECT PREP BUILDING CALVARY CHRISTIAN COLLEGE 569 BAYSWATER ROAD, MOUNT LOUISA		
DRAWING SAFETY AND DESIGN NOTES - SHEET 1		
JOB NUMBER COUN004	SHEET No. S0.04	REVISION 2

HAZARDS		CONTROL MEASURE	CONTROL			PERSON RESPONSIBLE FOR CONTROL	ADDITIONAL NOTES
			ELIMINATION	ENGINEERING	ADMINISTRATION/ CODE OF PRACTICE		
SEQUENCING	EARTH COLLAPSE	ENSURE EARTH IS STABLE BEFORE REMOVING STRUCTURE			✓	CONTRACTOR	
	STRUCTURE COLLAPSE	CLEARLY NOTE ANY CONSTRUCTION/DEMOLITION SEQUENCING REQUIREMENTS ON PLANS				ENGINEER	REFER CODE OF PRACTICE
		FULLY SUPPORT STRUCTURE DURING DEMOLITION AND REMOVE IN METHODOICAL FASHION			✓	CONTRACTOR	REFER CODE OF PRACTICE

JOB NUMBER	SHEET No.	REVISION
COUN004	S0.05	2



GROUND BEAM FOOTING AND SUB FLOOR WALLS PLAN
SCALE: 1 : 100

- LEGEND:**
- S-S- DENOTES EXISTING SEWER MAIN
 - SW-SW- DENOTES NEW STORMWATER
 - S- DENOTES NEW SEWER MAIN
- NOTES:**
- CONTRACTOR TO USE SERVICE LOCATOR TO LOCATE SEWER FOR FULL LENGTH OF BUILDING
 - ALL BORED PIERS ARE TO BE HYDROVAC EXCAVATIONS
- NOTES:**
- REFER TO ARCHITECTS DRAWINGS FOR ALL SLAB LEVELS, STEPS AND FALL DETAILS IN THE SLAB.
- THE CONTRACTOR SHALL DETERMINE THE CORRECT LOCATIONS OF ALL EXISTING SERVICES ON SITE PRIOR TO THE COMMENCEMENT OF WORKS IN CONJUNCTION WITH THE RELEVANT SERVICE PROVIDER.

GROUND BEAM SCHEDULE		
TYPE MARK	SIZE	REMARKS
GB1	GB1 - 400 x 400	GROUND BEAM
GB2	GB2 - 400 x 400	GROUND BEAM
GB3	GB3 - 400 x 700	GROUND BEAM
GB4	GB4 - 400 x 700	GROUND BEAM
GB5	GB5 - 400 x 400	GROUND BEAM
GB6	GB6 - 400 x 800	GROUND BEAM
GB7	GB7 - 400 x 400	GROUND BEAM
GB8	GB8 - 400 x 700	GROUND BEAM
GB9	GB9 - 1400 x 400	GROUND BEAM

BORED PIER SCHEDULE	
TYPE MARK	REMARKS
BP1	300 DIA. x DEPTH TO SUIT SEWER
BP2	600 DIA. x 2000 DEEP
BP3	600 DIA. x 1600 DEEP
BP4	600 DIA. x 3200 DEEP

SAFETY IN DESIGN INFORMATION
THERE MAY BE ADDITIONAL HAZARDS/RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK SHOWN ON THIS DRAWING. REFER TO THE SAFETY IN DESIGN REPORT.

1000 0 1000 6000
1:100 SCALE ON A1 SHEET
1:200 SCALE ON A3 SHEET

2	REVISED CONSTRUCTION ISSUE	B.S.	06/09/24
1	FOR CONSTRUCTION	D.E.J.	14/08/24
REV	DESCRIPTION	APP'D	DATE

CONSTRUCTION

JAS-ANZ
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DRAWN	L.T.	DESIGNED	B.S.
APPROVED	D.E.JOHNSTONE	DATE	22/02/24

CLIENT
CALVARY CHRISTIAN COLLEGE.

PROJECT
PREP BUILDING CALVARY CHRISTIAN COLLEGE

569 BAYSWATER ROAD, MOUNT LOUISA

DRAWING
GROUND BEAM FOOTING PLAN

JOB NUMBER	SHEET No.	REVISION
COUN004	S1.00	2

GROUND BEAM FOOTING PLAN

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1:200 SCALE ON A3 SHEET

REV	DESCRIPTION	APP'D	DATE
2	REVISED CONSTRUCTION ISSUE	B.S.	06/09/24
1	FOR CONSTRUCTION	D.E.J.	14/08/24

CONSTRUCTION

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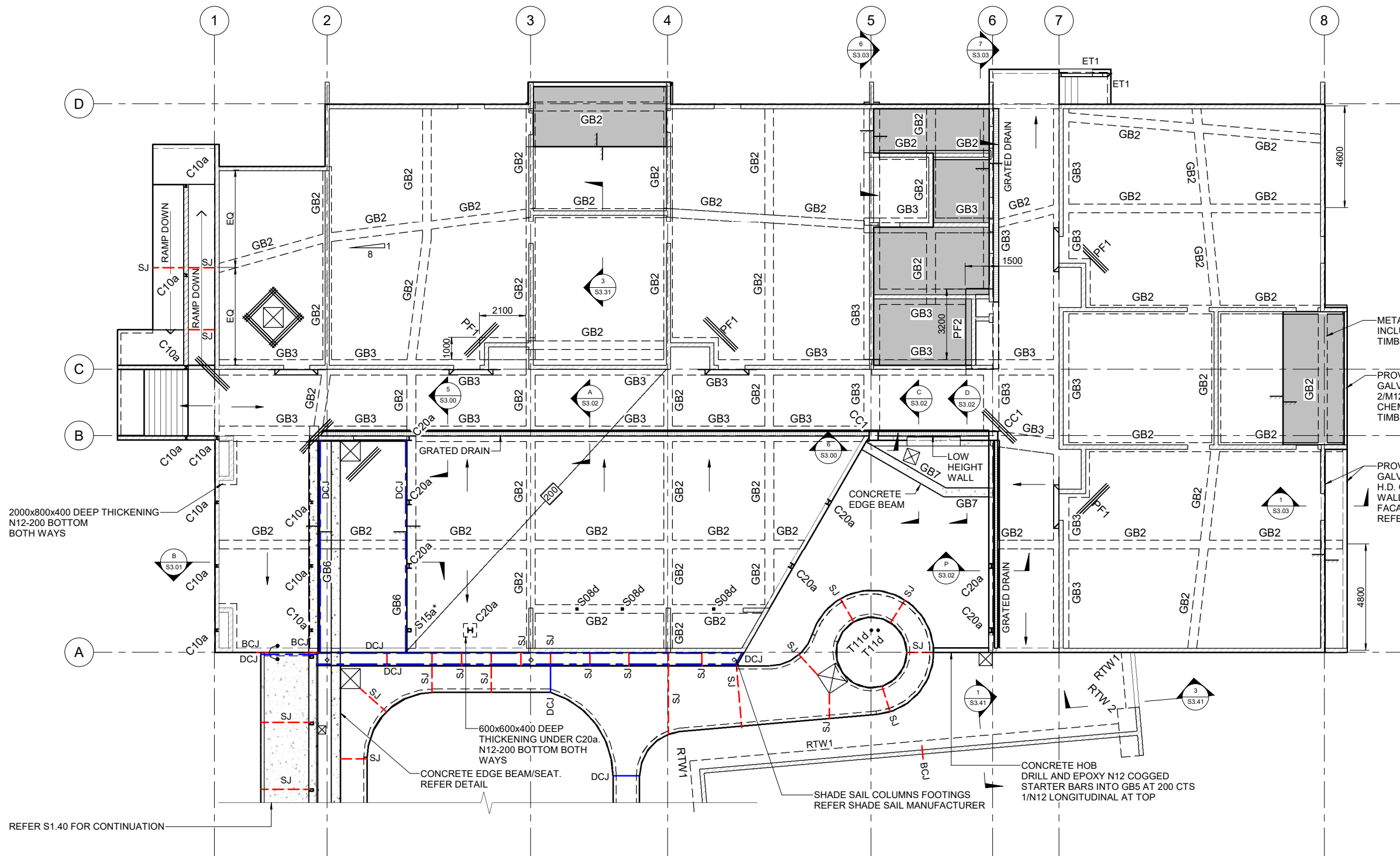
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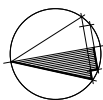
DRAWING
SLAB PLAN

JOB NUMBER	SHEET No.	REVISION
COUN004	S1.10	2



LEGEND:

- DENOTES SETDOWN FOR WET AREA, REFER ARCHITECTURAL DRAWINGS FOR FURTHER DETAILS
- DENOTES NON STANDARD SLAB THICKNESS
- DENOTES SAWCUT JOINT
- DENOTES DOWEL JOINT
- DENOTES 3 x 1200mm LONG N12 TRIMMER BARS TIED TO U/S SLAB MESH. TRIMMERS REQUIRED AROUND ALL SERVICE PITS AND GRATES IN SLAB WHETHER OR NOT THEY ARE SHOWN ON THIS DRAWING.
- DENOTES STEP IN SLAB LEVEL, REFER TO ARCHITECTS DRAWINGS
- DENOTES THRESHOLD RAMP LOCATIONS, REFER TO ARCHITECTS DRAWINGS FOR DETAILS
- DENOTES SLAB FALLS. REFER ARCHITECT
- DENOTES MATCHING FINISH SURFACE LEVEL.



SLAB PLAN

SCALE: 1 : 100

125 THICK SLAB U.N.O. SL82 MESH TOP

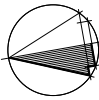
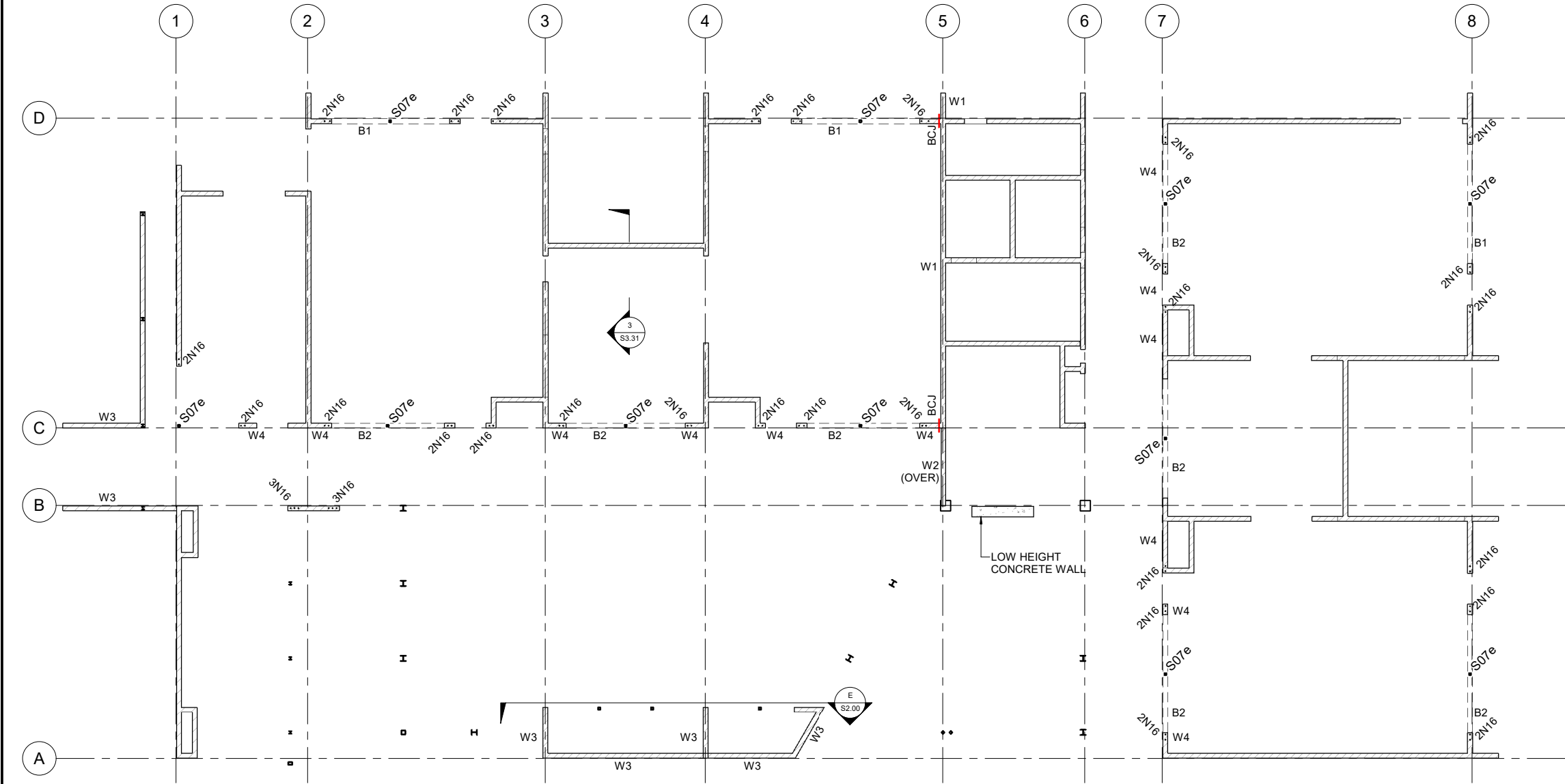
- DENOTES WALLS OVER
- DENOTES 100 THICK SLAB
- DENOTES GRATED DRAIN
- DENOTES SETDOWN
- DENOTES FABRICATED COLUMN. REFER DETAIL
- DENOTES 200 THICK SLAB, N12-200 CTS TOP AND BOTTOM BOTH WAYS

NOTES:

1. REFER TO ARCHITECTS DRAWINGS FOR ALL SLAB LEVELS, STEPS AND FALL DETAILS IN THE SLAB.

THE CONTRACTOR SHALL DETERMINE THE CORRECT LOCATIONS OF ALL EXISTING SERVICES ON SITE PRIOR TO THE COMMENCEMENT OF WORKS IN CONJUNCTION WITH THE RELEVANT SERVICE PROVIDER.

6/09/2024 3:13:12 PM



BLOCKWORK PLAN

SCALE: 1 : 100

- 2N16 DENOTES ADDITIONAL VERTICAL BARS
- BCJ - DENOTES BLOCKWORK CONTROL JOINT. REFER DETAIL

STEEL STUD WALL FRAMING

ALL WORK TO COMPLY WITH THE NATIONAL CONSTRUCTION CODE.
REFER NOTES S0.01 AND S0.03 FOR DESIGN PARAMETERS.
CONTRACTOR TO PROVIDE FORM 15 AND FORM 12 TO PROJECT CERTIFIER
STUD DESIGNER TO ALLOW FOR TIMBER FACADE FRAME GRID 8.
REFER ARCHITECT.

BLOCKWORK NOTES

- FOR BLOCKWORK NOTES REFER TO DRAWING COUN004/S0.03.
- REFER TO ARCHITECT'S DRAWINGS FOR WALL HEIGHTS.
- WALLS TO BE POURED PROGRESSIVELY IN 2.5m MAX. POUR LIFTS. THE CONTRACTOR SHALL ENSURE THAT THE COREFILLING SEQUENCE DOES NOT PRODUCE COLD JOINTS DURING POURING.
- CONSTRUCTION JOINTS IN WALLS GREATER THAN OR EQUAL TO 3.6m TALL SHALL BE AT HEIGHTS AND LOCATIONS APPROVED BY THE ENGINEER.
- REINFORCEMENT SHALL BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULES:
VERTICAL REINFORCEMENT SCHEDULE:

WALL MARK	VERTICALLY REINFORCE ALL ENDS, OPENINGS, BOTH SIDES OF B.C.J. AT ROOF H.D. BOLT LOCATIONS AND CORNERS, INCLUDING THE FOLLOWING. BARS CENTRAL U.N.O.	COREFILL
SUBFLOOR WALLS U.N.O. REFER S1.01	N12-400 MAX CTS	ALL CORES FILLED
GROUND FLOOR WALLS U.N.O.	N12-1000 MAX CTS	REINFORCED CORES FILLED
W1 SLAB LEVEL TO ROOF	N12-1000 MAX CTS	ALL CORES FILLED FIRE RATED
W2 SUSPENDED SLAB LEVEL TO ROOF	N12-800 MAX CTS	ALL CORES FILLED FIRE RATED
W3	N12-800 MAX CTS	ALL CORES FILLED
W4	N16-200 MAX CTS	ALL CORES FILLED

VERTICAL REINFORCEMENT BESIDE OPENINGS SHALL BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE, WHERE S = MAXIMUM TYPICAL VERTICAL REINFORCEMENT SPACING

OPENING WIDTH	TOTAL NUMBER OF BARS REQUIRED IN JAMB ADJACENT TO OPENING
LESS THAN S	1
BETWEEN S & 2S	2
BETWEEN 2S & 3S	3
GREATER THAN 3S	REFER PLANS & ELEVATIONS

WHERE 'S' = MAXIMUM TYPICAL VERTICAL REINFORCEMENT SPACING.

HORIZONTAL REINFORCEMENT SCHEDULE:

WALL MARK	BOND BEAM	REINFORCEMENT
SUBFLOOR WALLS	1 COURSE	2-N12
GROUND FLOOR WALLS	2 COURSE	2-N12 TOP AND BOTTOM
W1	2 COURSE RAKING	2-N12 TOP AND BOTTOM
W2	2 COURSE AT BOTTOM OF WALL	2-N16 TOP AND BOTTOM
	2 COURSE AT TOP OF WALL RAKING	2-N16 TOP AND BOTTOM
W3	3 COURSE	2-N16 TOP AND BOTTOM
W4	2 COURSE	2-N16 TOP AND BOTTOM

UNLESS NOTED OTHERWISE ALL LINTELS SHALL HAVE A MINIMUM OF 2-N12 HORIZONTAL BARS IN TOP AND BOTTOM COURSE.

UNLESS NOTED OTHERWISE ALL SILLS SHALL BE REINFORCED BY 2-N12 HORIZONTAL BARS EXTENDING 400mm PAST THE EDGE OF THE OPENING.

- REINFORCEMENT SHOWN ON DRAWINGS IS INDICATIVE ONLY.
- STARTER BARS TO MATCH WALL REINFORCEMENT.

SAFETY IN DESIGN INFORMATION
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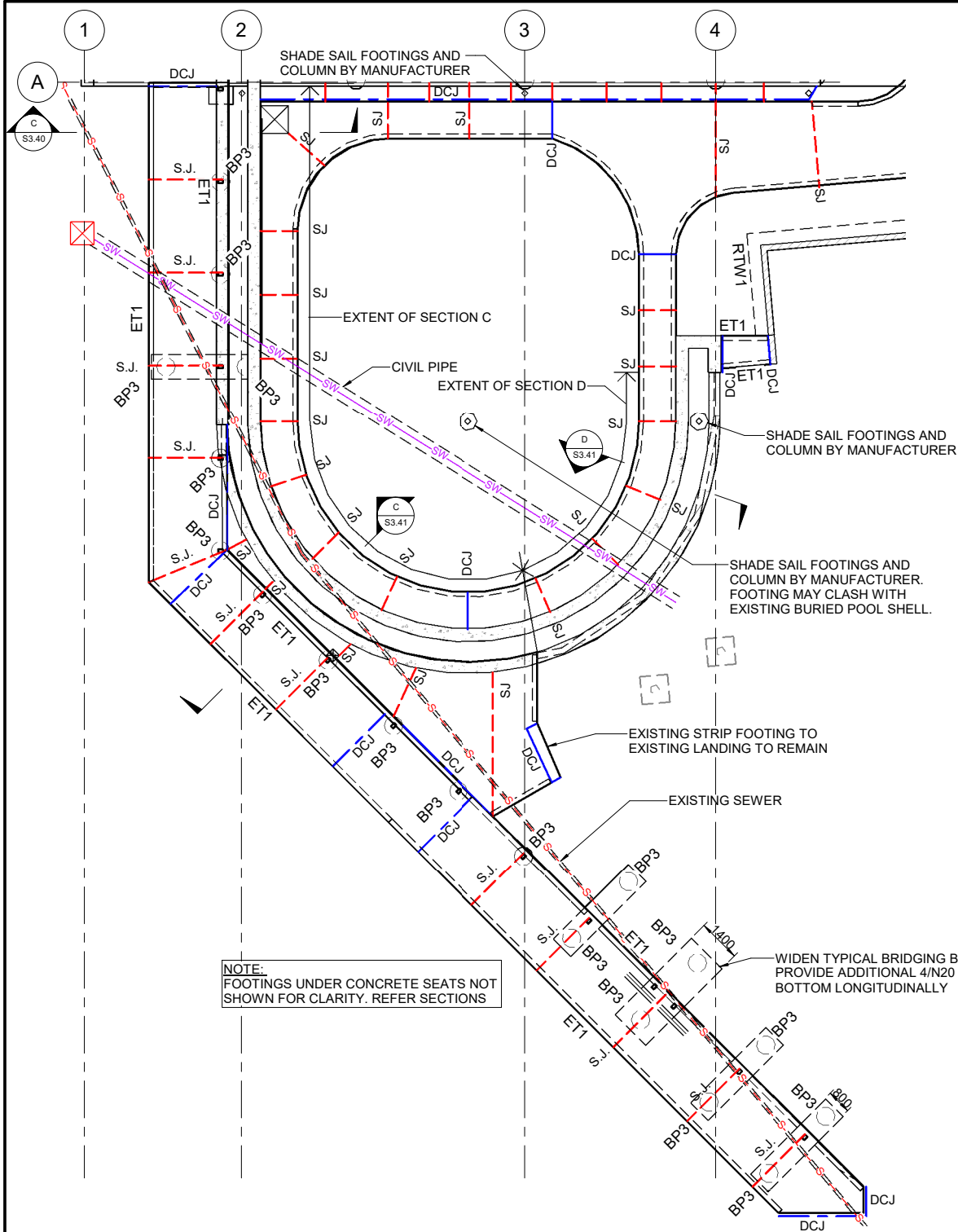
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PROJECT
PREP BUILDING CALVARY CHRISTIAN COLLEGE

569 BAYSWATER ROAD, MOUNT LOUISA

DRAWING
BLOCKWORK PLAN

JOB NUMBER	SHEET No.	REVISION
COUN004	S1.20	2



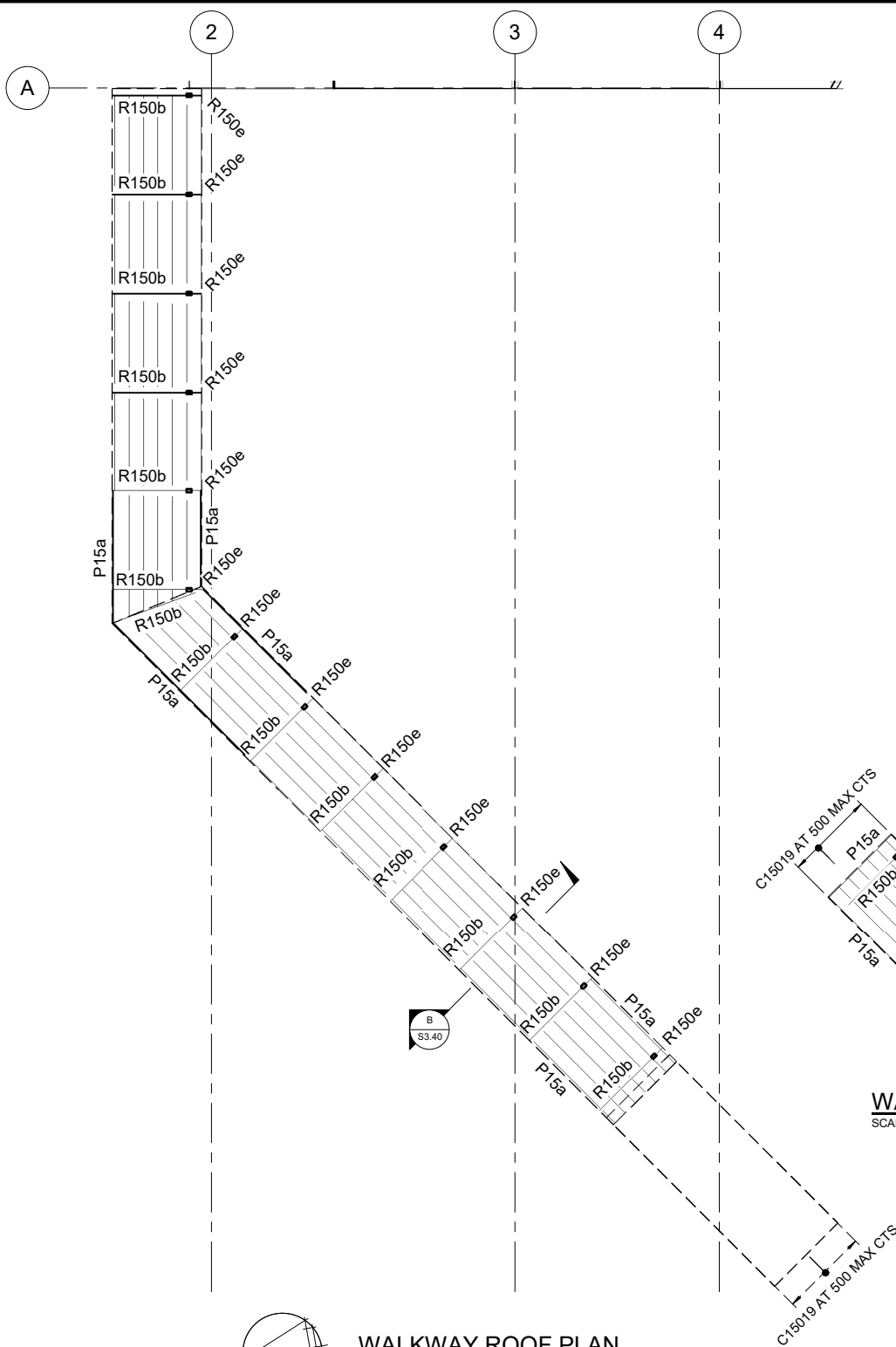
NOTE:
FOOTINGS UNDER CONCRETE SEATS NOT
SHOWN FOR CLARITY. REFER SECTIONS

WALKWAY SLAB AND FOOTING PLAN

SCALE: 1 : 100

**100 THICK SLAB THROUGHOUT
SL72 MESH TOP (UNO)**

- SJ** DENOTES SAWCUT JOINT.
WHERE SAWCUT CANNOT EXTEND TO FACE OF EXISTING
STRUCTURES TROWEL THROUGH WET CONCRETE TO
ENSURE NO AGGREGATE CROSSES THE JOINT.
- DCJ** DENOTES DOWELED CONSTRUCTION JOINT
- DENOTES 3 x 1200mm LONG N12 TRIMMER BARS TIED
TO U/S SLAB MESH. TRIMMERS REQUIRED AROUND
ALL SERVICE PITS AND GRATES IN SLAB WHETHER
OR NOT THEY ARE SHOWN ON THIS DRAWING.
- ET1** 150x150 EDGE THICKENING TO EDGE OF ALL PATHS
- DENOTES CONCRETE EDGE BEAM. REFER DETAIL



WALKWAY ROOF PLAN

SCALE: 1 : 100

WALKWAY PART PLAN

SCALE: 1 : 100

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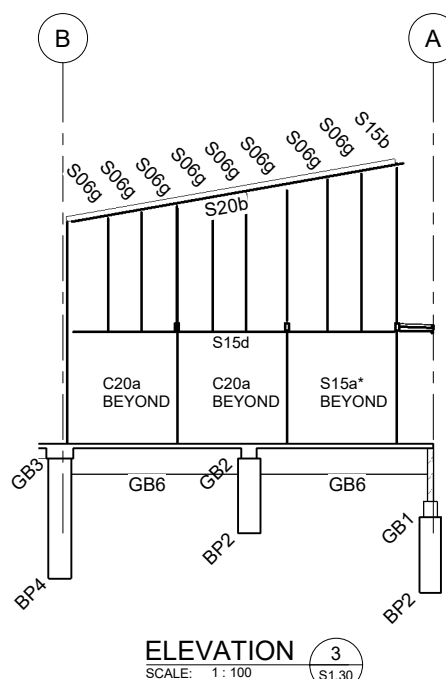
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PREP BUILDING CALVARY
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569 BAYSWATER ROAD, MOUNT
LOUISA

DRAWING
WALKWAY PLANS

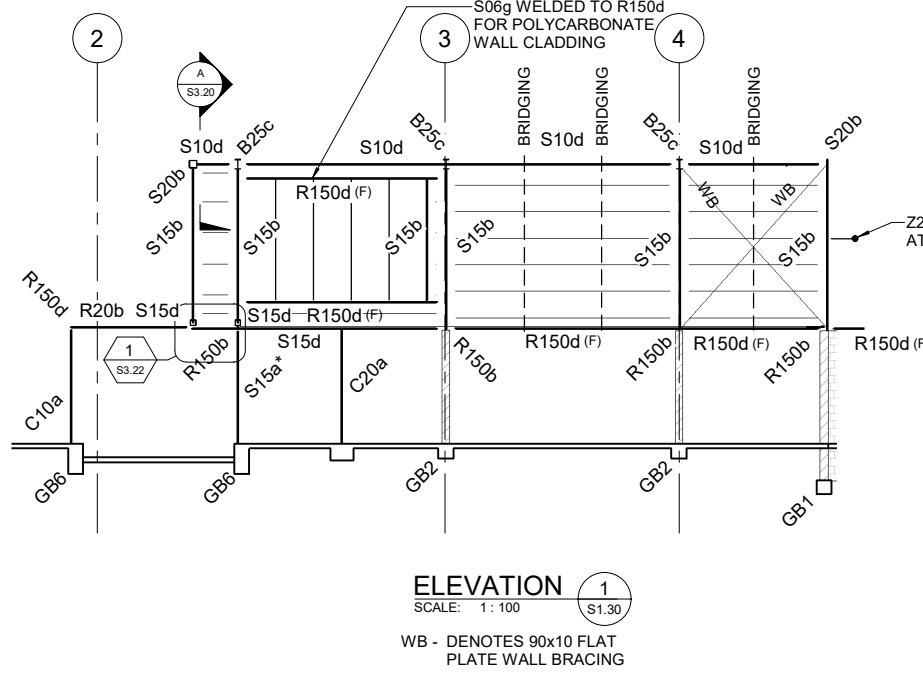
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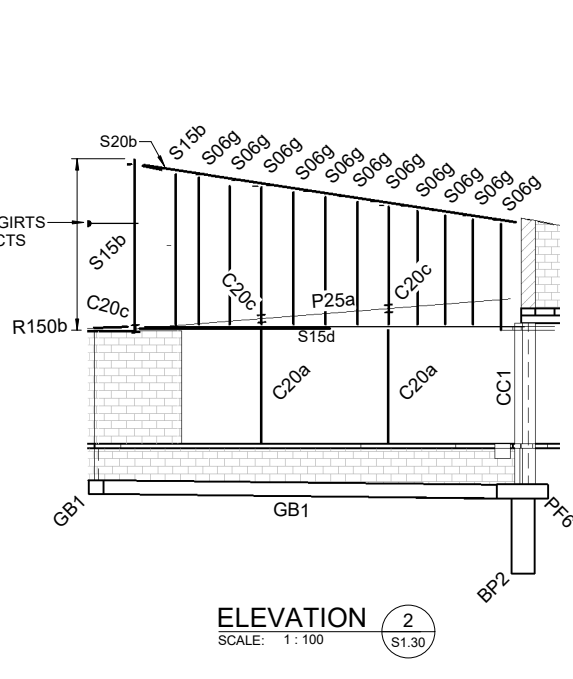
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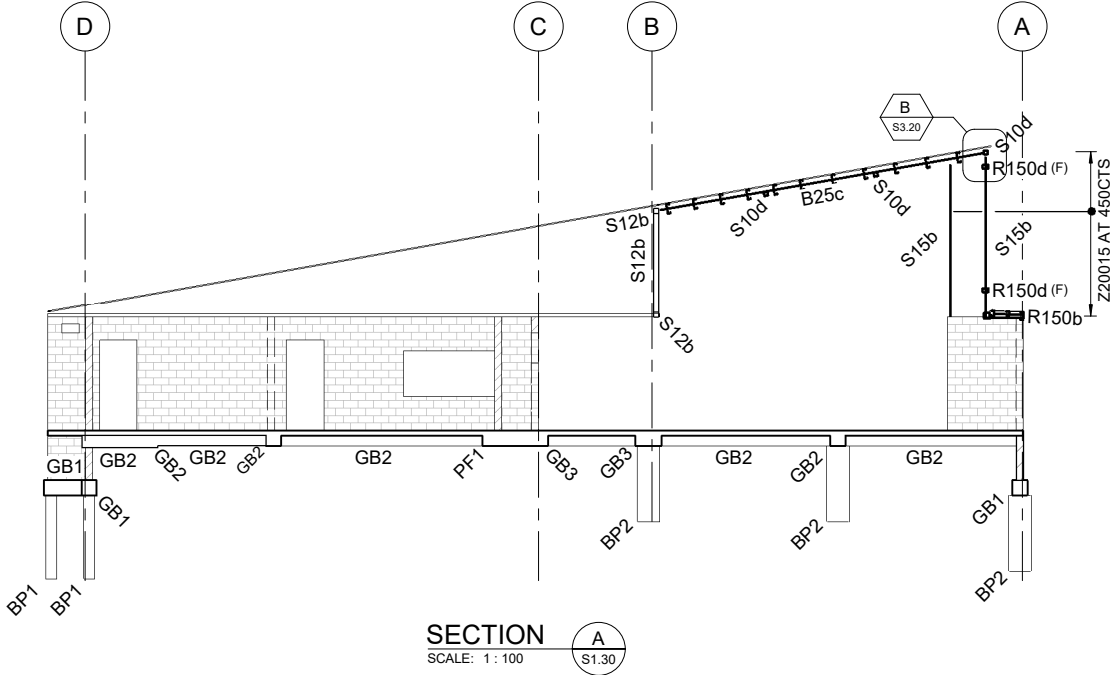
ELEVATION 3
SCALE: 1:100



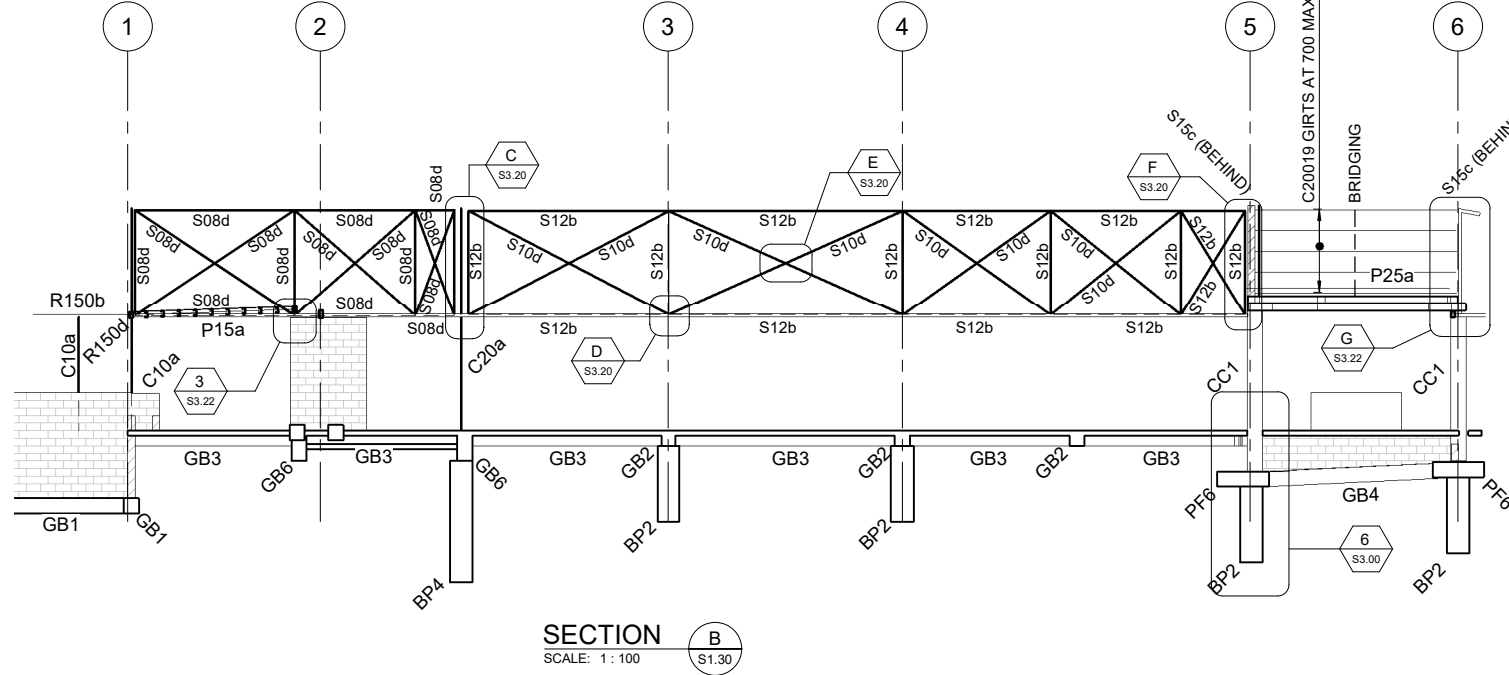
ELEVATION 1
SCALE: 1:100
WB - DENOTES 90x10 FLAT PLATE WALL BRACING



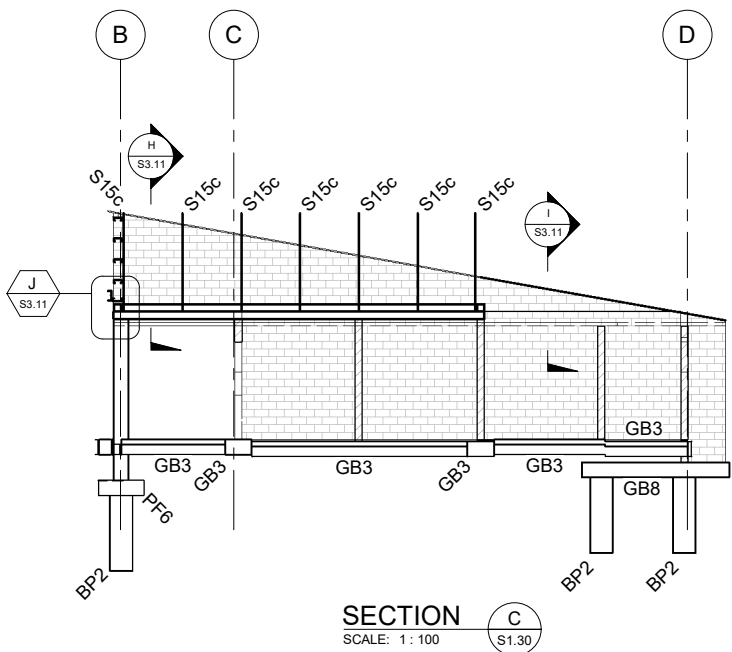
ELEVATION 2
SCALE: 1:100



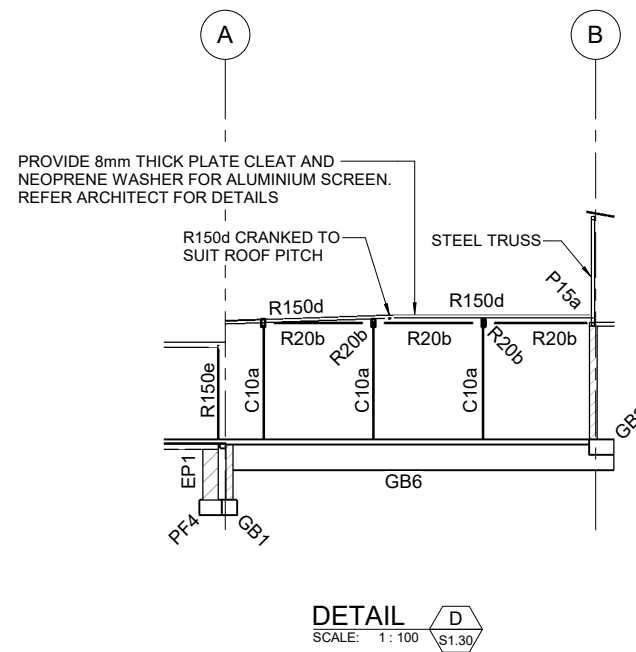
SECTION A
SCALE: 1:100



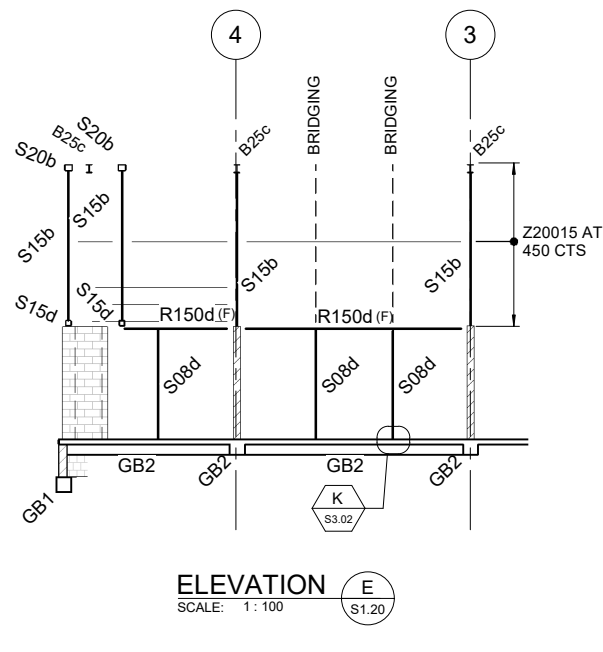
SECTION B
SCALE: 1:100



SECTION C
SCALE: 1:100



DETAIL D
SCALE: 1:100



ELEVATION E
SCALE: 1:100

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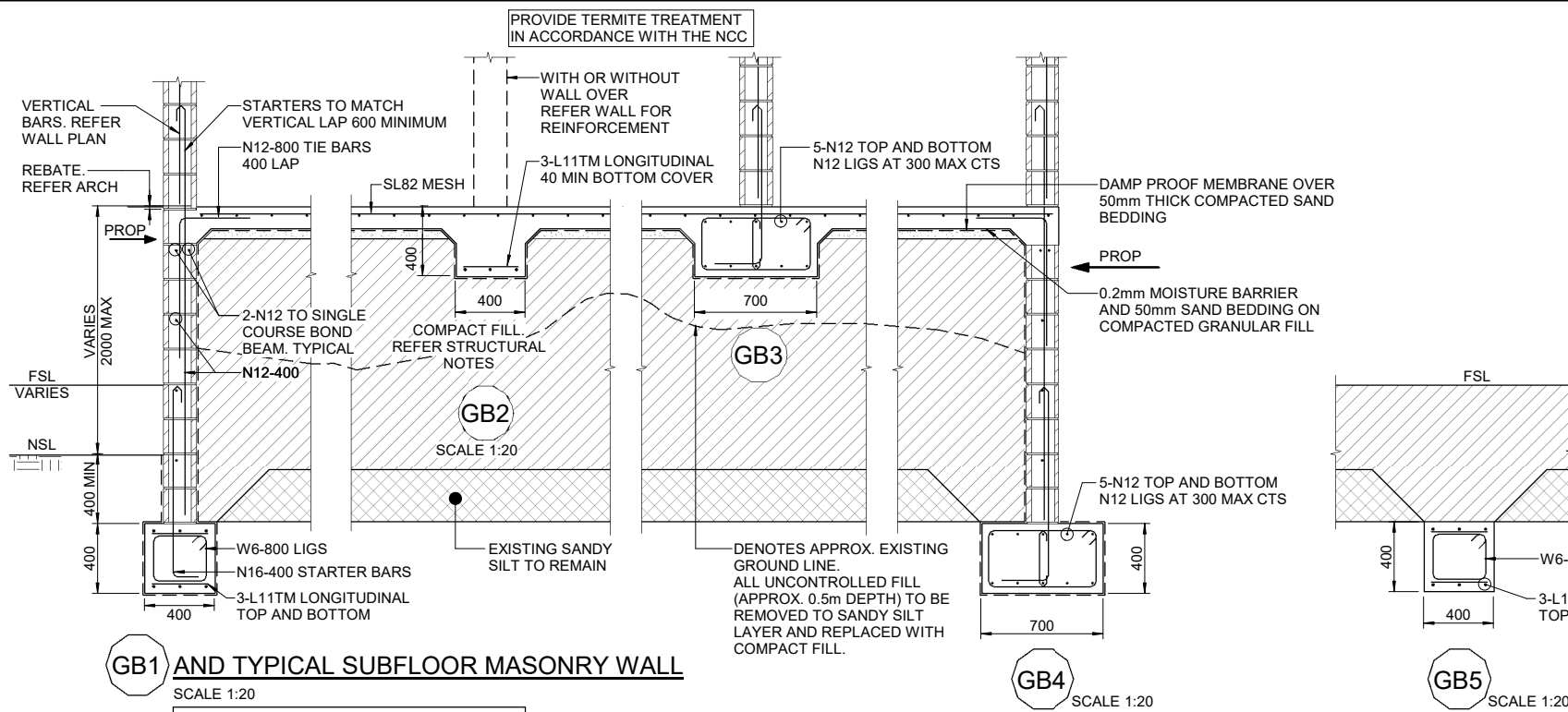
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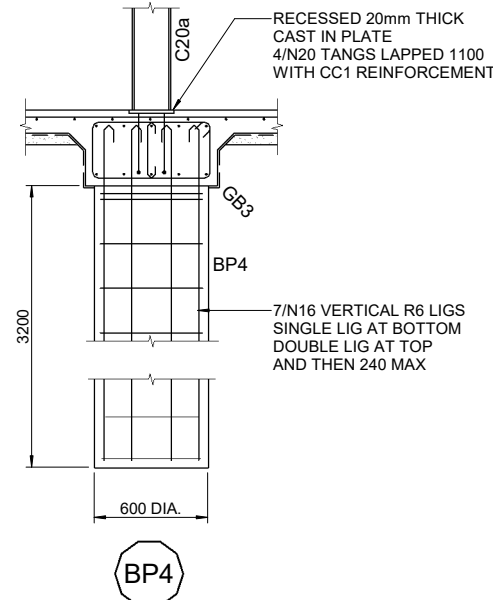
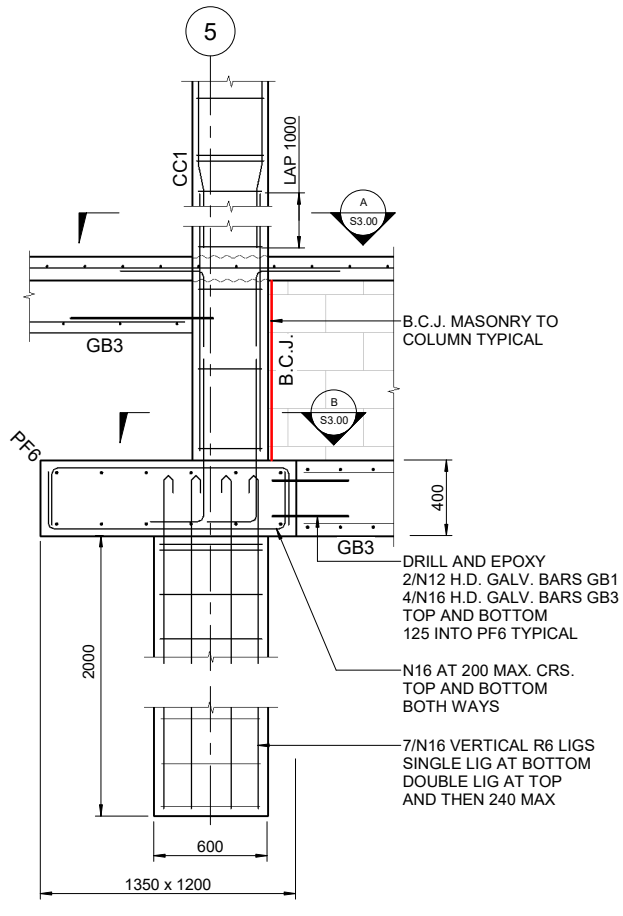
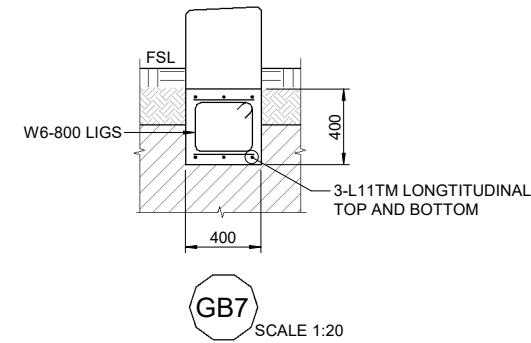
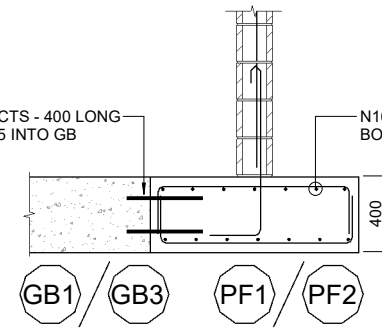
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PROJECT PREP BUILDING CALVARY CHRISTIAN COLLEGE 569 BAYSWATER ROAD, MOUNT LOUISA		
DRAWING SECTIONS AND ELEVATIONS - SHEET 1		
JOB NUMBER COUN004	SHEET No. S2.00	REVISION 2

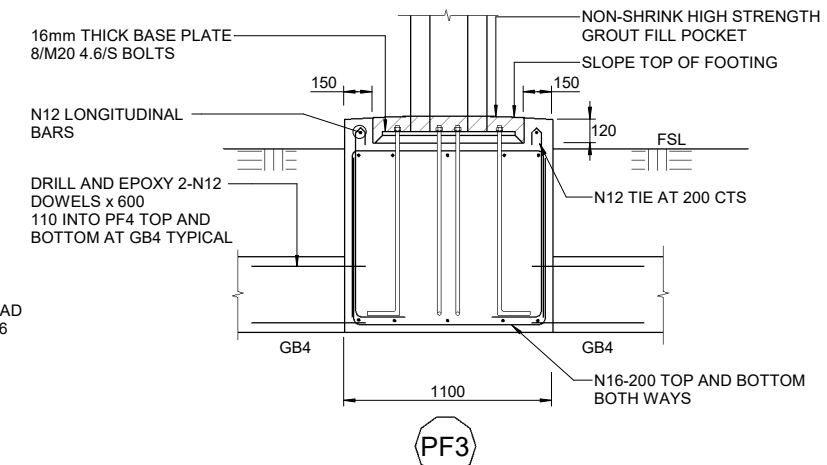
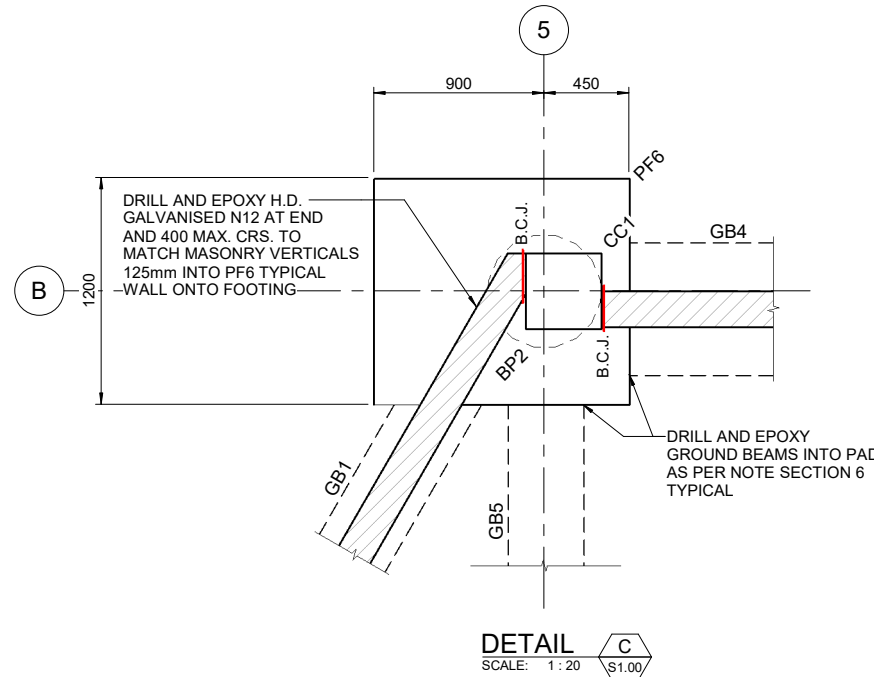
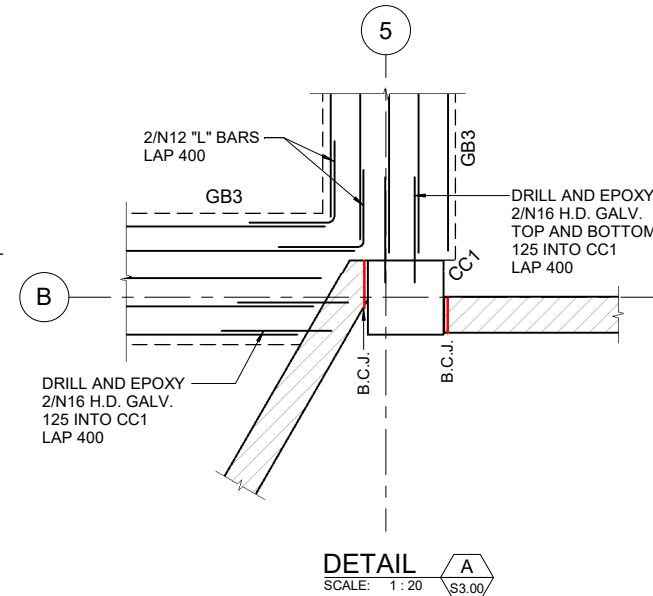


N16 DOWELS AT 200 CTS - 400 LONG
DRILL AND EPOXY 125 INTO GB
TOP AND BOTTOM

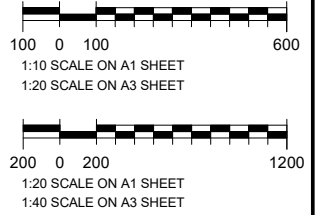


NOTE:
1. SERVICE LOCATOR TO BE USED TO LOCATE AND MARK OUT SEWER. ALL BORED PIERS TO BE HYDROVACCUUMED.

SECTION 5
SCALE: 1:20



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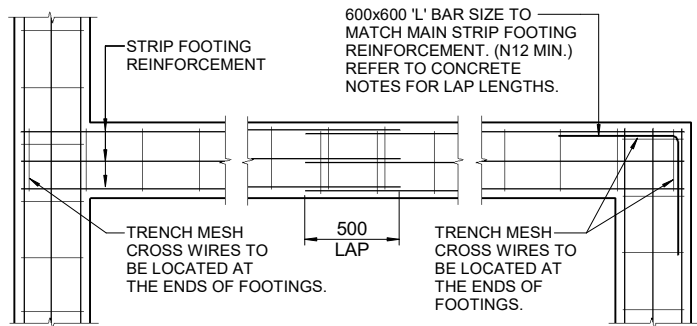
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569 BAYSWATER ROAD, MOUNT LOUISA

DRAWING
FOOTING DETAILS - SHEET 1

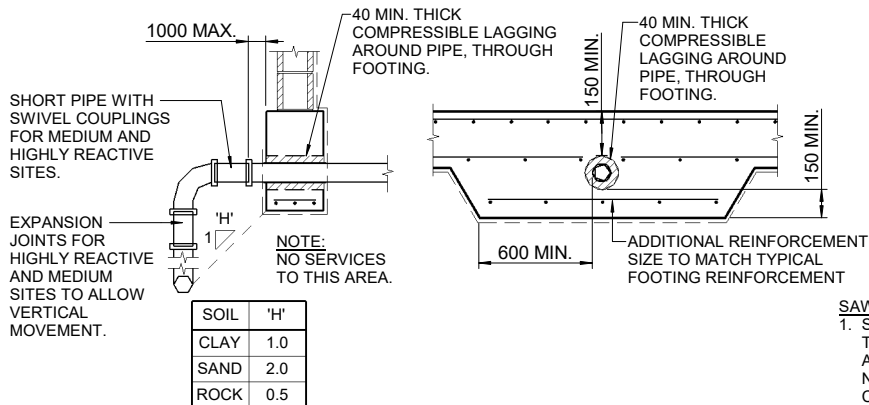
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COUN004	S3.00	2



NOTE:
FOOTING REINFORCEMENT SHALL BE LAPPED THE FULL FOOTING WIDTH AT 'T' AND 'L' INTERSECTIONS.

STRIP FOOTING INTERSECTION DETAILS - MESH

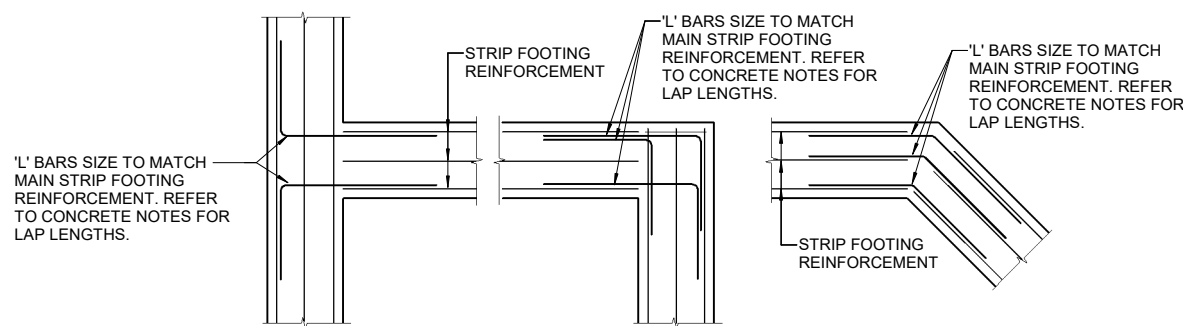
SCALE 1:20



SERVICES THROUGH FOOTING

SCALE 1:20

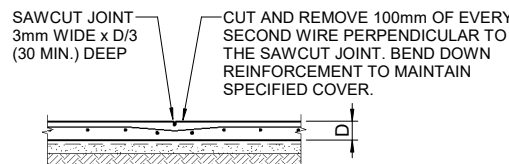
NOTE:
FOR SERVICES THROUGH SUB-FLOOR WALLS
USE REINFORCEMENT LOCATOR AND CORE BETWEEN REINFORCEMENT
PROVIDE LAGGING AS ABOVE



STRIP FOOTING INTERSECTION DETAILS - BARS

SCALE 1:20

NOTE:
REFER TO FOOTING DETAILS FOR LIG REQUIREMENTS.



SAWCUT JOINT (S.J.)

SCALE 1:20

FOR D < 150 SLAB THICKNESS

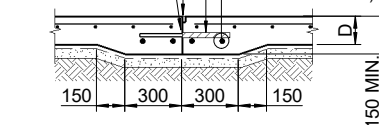
SAWCUT NOTES:

- SAWCUT TIMING TO SUIT CONCRETE MIX, CONCRETE PLACEMENT TECHNIQUE, ENVIRONMENTAL CONDITIONS AT POURING, CURING AND ABILITY OF SLABS TO SUPPORT SAW CUTTING EQUIPMENT. NOTWITHSTANDING THE ABOVE, ALL SAW CUTTING SHALL BE COMPLETED WITHIN 12 HOURS OF PLACING CONCRETE IF CONVENTIONAL CUTTING IS USED. IF SOFF CUT EQUIPMENT IS USED CUT IN ACCORDANCE WITH OPERATING MANUAL GUIDELINES BUT NO LATER THAN 2 HOURS AFTER PLACEMENT.
- WHERE SAWCUT CANNOT EXTEND TO FACE OF EXISTING STRUCTURES TROWEL THROUGH WET CONCRETE TO ENSURE NO AGGREGATE CROSSES THE JOINT.

REFER JOINT SEALANT DETAIL

DOWELS AT 300 MAX. CRS. REFER TABLE BELOW FOR SIZE. REFER ALSO TO NOTE 3.

2-N16 SUPPORT BARS. LAP 400 AT SPLICES. STOP AT INTERSECTING JOINT LOCATIONS. (ONLY REQ'D ONE SIDE IF DOWEL SLEEVES USED)



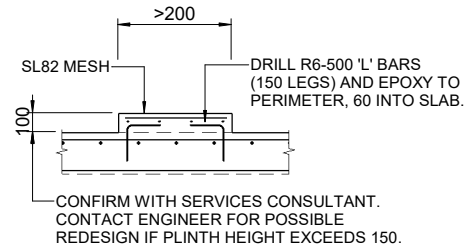
SLAB THICKNESS D' (mm)	DOWEL SIZE	DOWEL LENGTH (mm)
100	R12	300
125	R16	300

DOWELLED CONSTRUCTION JOINT (D.C.J.)

SCALE 1:20

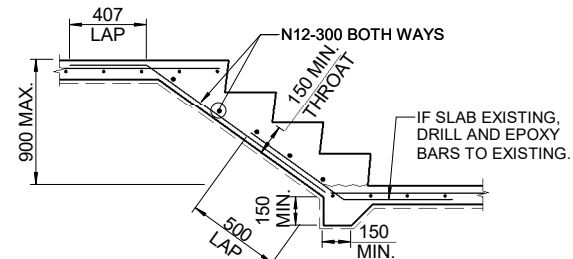
DOWEL NOTES:

- GALVANISE DOWELS IN EXTERNAL APPLICATIONS.
- DOWELS SHALL BE SQUARE CUT (NOT SHEARED) PLACED HORIZONTALLY AND SQUARE TO THE JOINT U.N.O. DOWELS IN SKEWED JOINT MUST BE ALIGNED PARALLEL TO THE DIRECTION OF THE LONGITUDINAL JOINT.
- PROVIDE 'DENSO' TAPE OR ALTERNATIVELY PROVIDE GREASE AND PVC SLEEVE TO EACH DOWEL ON ONE SIDE OF CONSTRUCTION JOINT. TAPE AND/OR GREASE TO EXTEND 25mm PAST CONCRETE INTERFACE ON NON-SLEEVED SIDE OF JOINT.



TYPICAL PLINTH DETAILS

SCALE 1:20

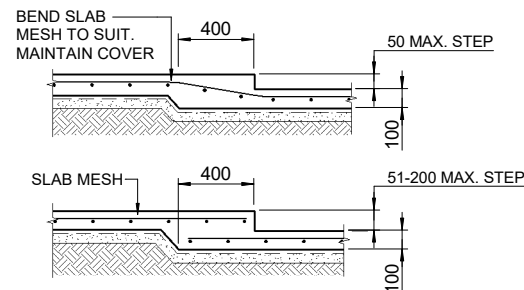


CONCRETE STAIR DETAIL

SCALE 1:20

NOTE:

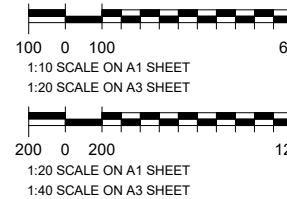
- REFER TO ARCHITECT FOR STAIR RISER AND GOING



SETDOWN DETAILS

SCALE 1:20

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REV	DESCRIPTION	APP'D	DATE
2	REVISED CONSTRUCTION ISSUE	B.S.	06/09/24
1	FOR CONSTRUCTION	D.E.J.	14/08/24

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Tel: (07) 4721 5800
townsville@lcjengineers.com.au
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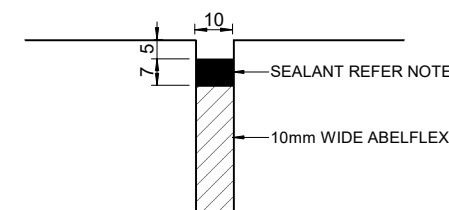
DRAWN	DESIGNED
L.T.	B.S.
APPROVED	DATE
D.E.JOHNSTONE	22/02/24

CLIENT
CALVARY CHRISTIAN COLLEGE.

PROJECT
PREP BUILDING CALVARY
CHRISTIAN COLLEGE
569 BAYSWATER ROAD, MOUNT
LOUISA

DRAWING
FOOTING DETAILS - SHEET 2

JOB NUMBER	SHEET No.	REVISION
COUN004	S3.01	2



JOINT SEALANT - DOWELLED CONSTRUCTION JOINT AND ISOLATION JOINTS

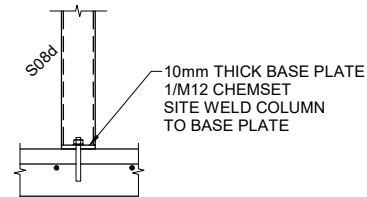
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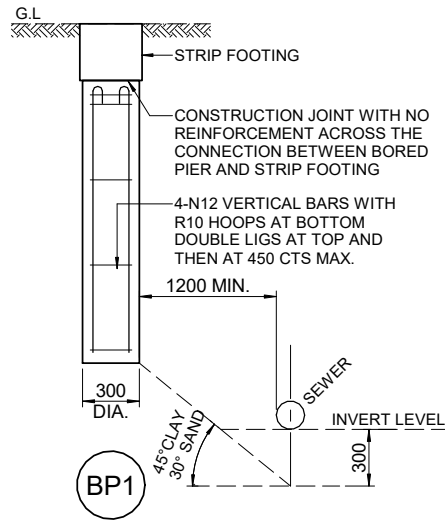
- SEALANT TO COMPLY WITH REQUIREMENTS OF MRTS40 APPENDIX C3 (SUCH AS FOSROC NITOSEAL SC800).

DETAIL
SCALE: 1:10

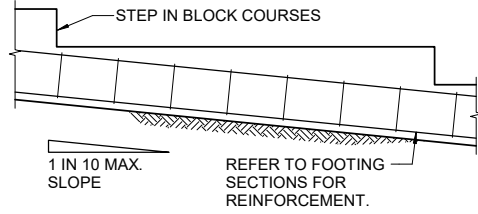
B
S1.10



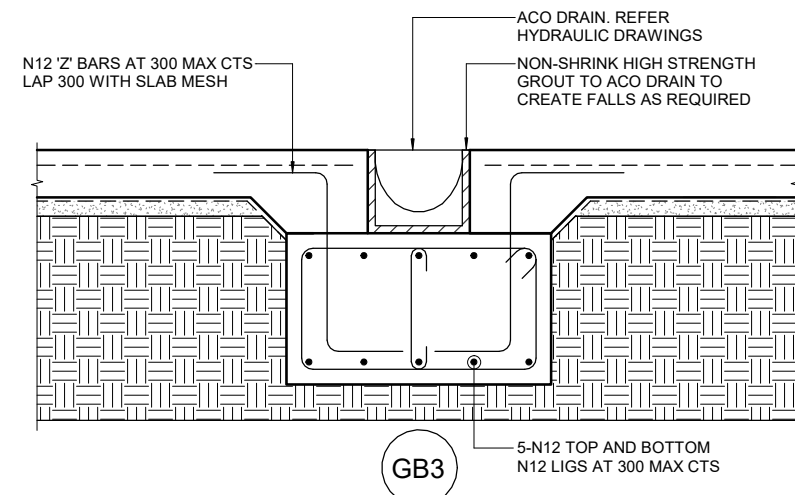
DETAIL K
SCALE: 1:10



- NOTE:
1. BASED ON THE TCC CITY PLAN VERSION 2020/03 SC 6.4.3.2 BUILDING OVER OR ADJACENT TO SERVICE. WHILST OUR DETAIL HAS BEEN DRAWN SPECIFICALLY FOR SEWERS THE SAME REQUIREMENTS MAY APPLY TO OTHER TRUNK SERVICES.
 2. SERVICE LOCATOR TO BE USED TO LOCATE AND MARK OUT SEWER.
 3. ALL BORED PIERS TO BE HYDROVACCUUMED.

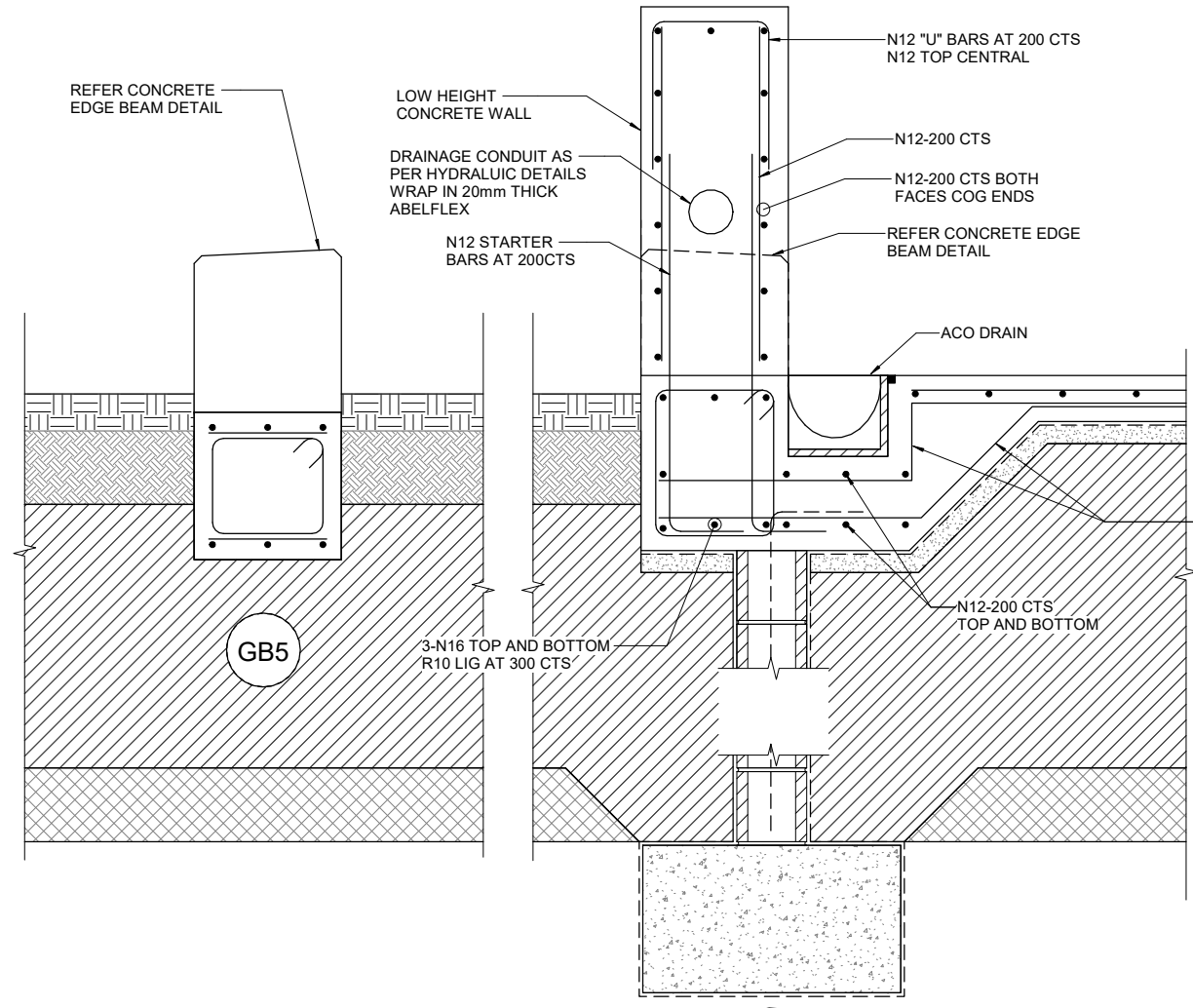


FOOTING STEP DETAIL
SCALE 1:20



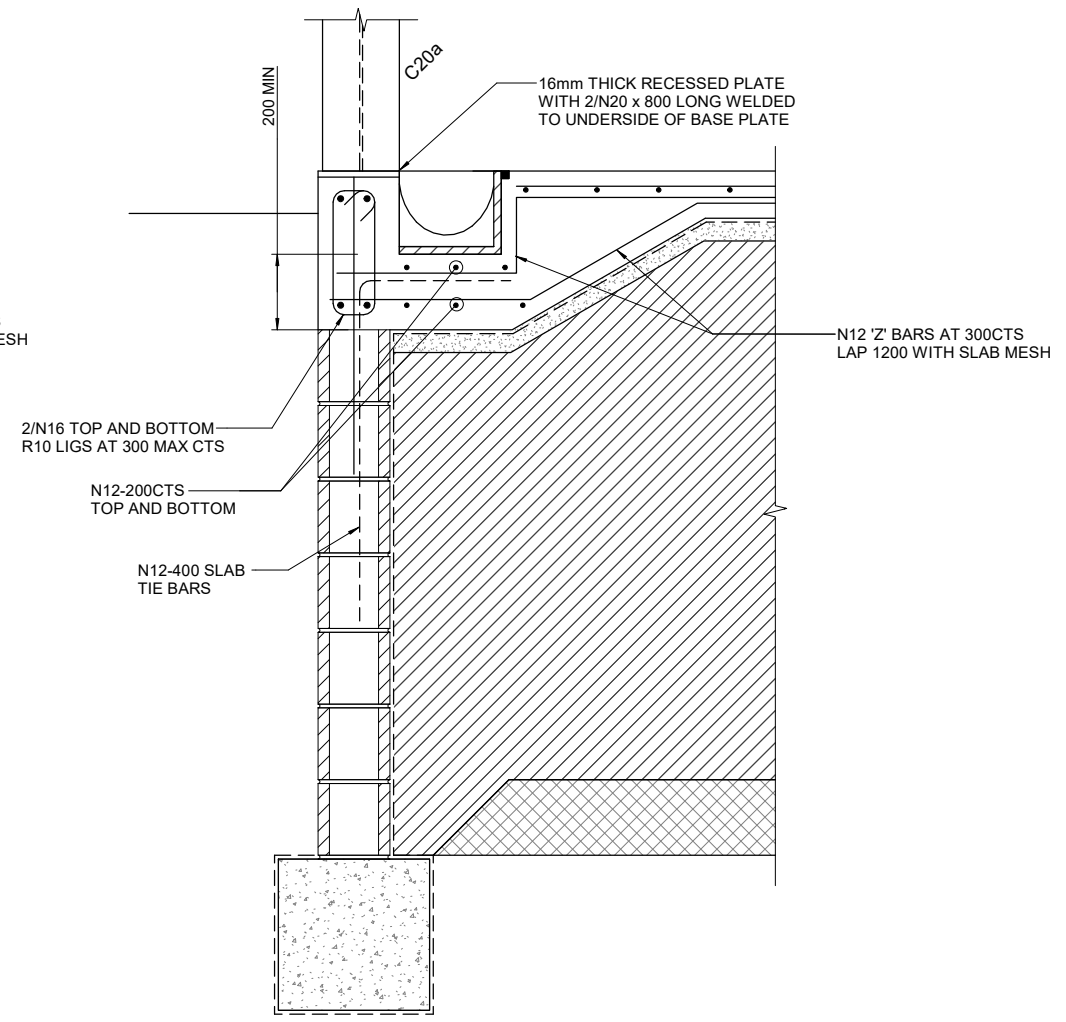
DRAIN DETAIL
SCALE: 1:10

SECTION A
SCALE: 1:10



SECTION C D
SCALE: 1:10
SIM. NO LOW HEIGHT WALL

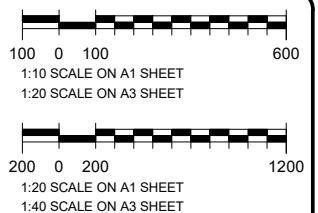
NOTE:
WALL AND FOOTING REINFORCEMENT
NOT SHOWN FOR CLARITY



SECTION P
SCALE: 1:10

NOTE:
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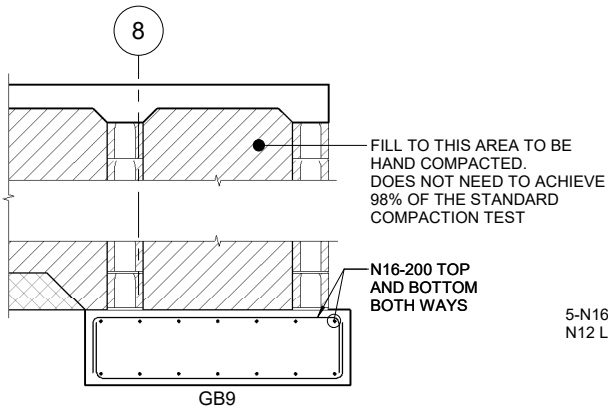
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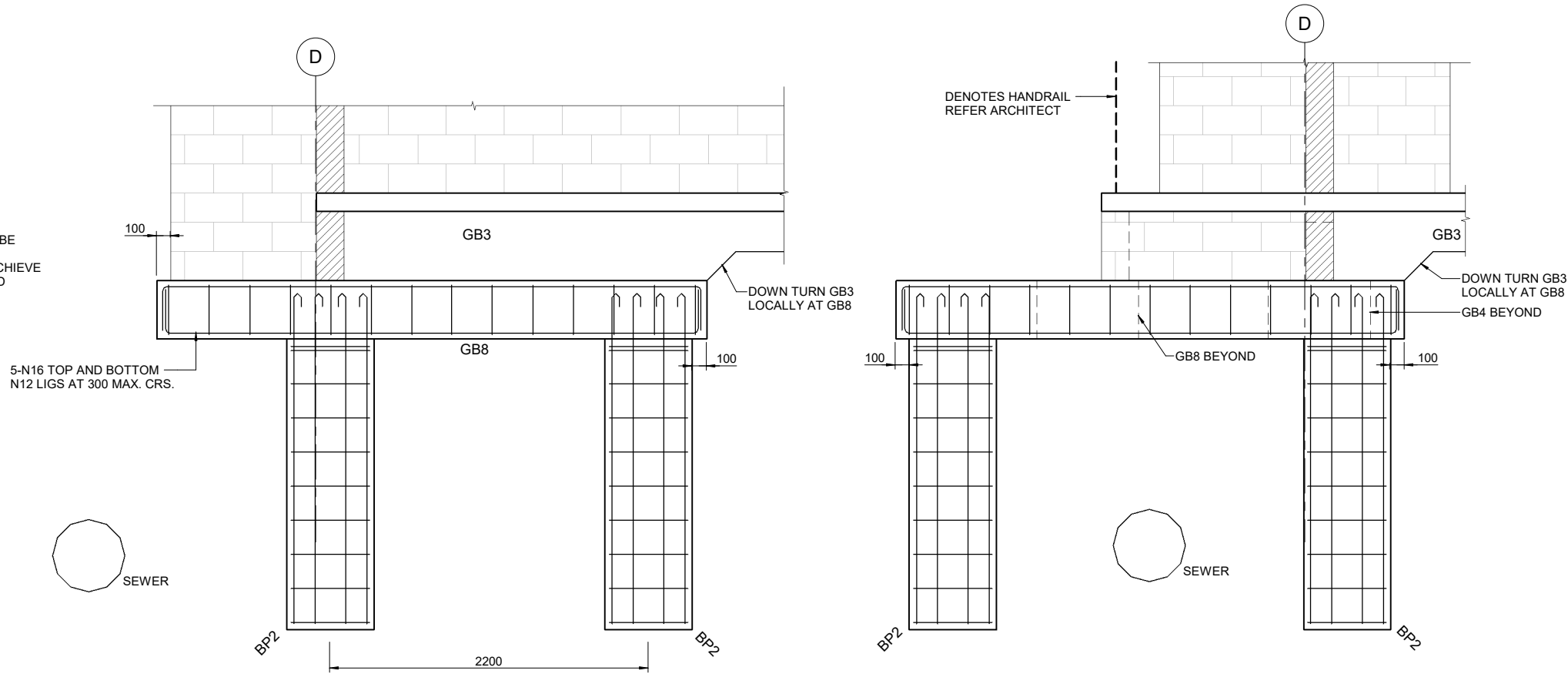
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DRAWN L.T.	DESIGNED B.S.
APPROVED D.E.JOHNSTONE	DATE

CLIENT CALVARY CHRISTIAN COLLEGE.		
PROJECT PREP BUILDING CALVARY CHRISTIAN COLLEGE 569 BAYSWATER ROAD, MOUNT LOUISA		
DRAWING FOOTING DETAILS - SHEET 3		
JOB NUMBER COUN004	SHEET No. S3.02	REVISION 2



SECTION 1
SCALE: 1 : 20
NOTE:
WALLS AND SLAB REINFORCEMENT
NOT SHOWN FOR CLARITY



DETAIL 6
SCALE: 1 : 20

SECTION 7
SCALE: 1 : 20

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200 0 200 1200
1:20 SCALE ON A1 SHEET
1:40 SCALE ON A3 SHEET

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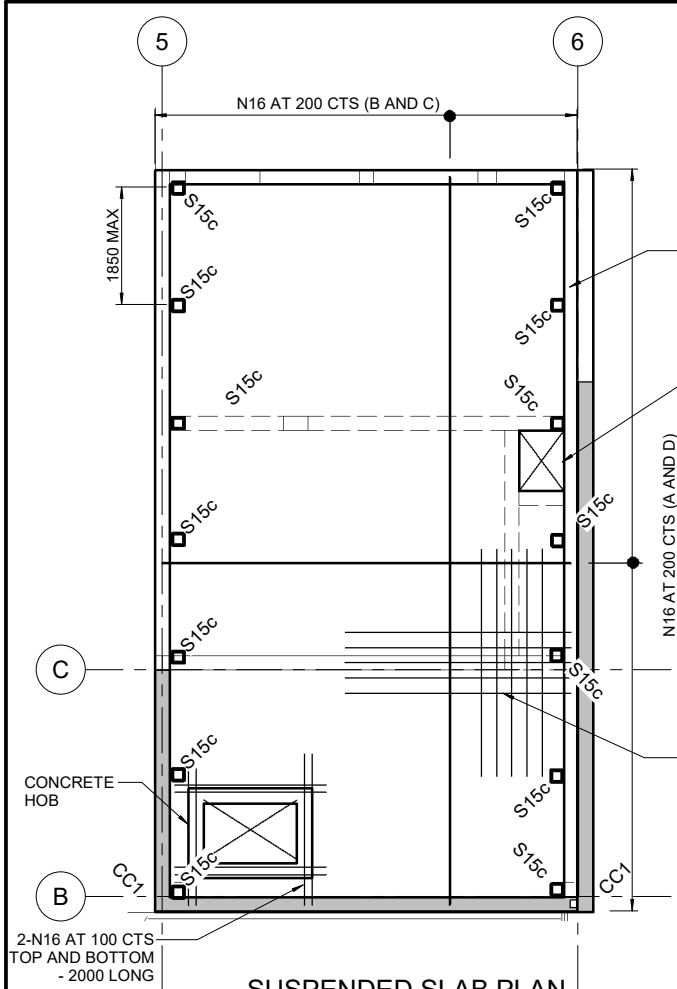
DRAWN JA	DESIGNED BS
APPROVED D.E.JOHNSTONE	DATE 09/05/24

CLIENT
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PROJECT
PREP BUILDING CALVARY
CHRISTIAN COLLEGE
569 BAYSWATER ROAD, MOUNT
LOUISA

DRAWING
FOOTING DETAILS - SHEET 4

JOB NUMBER	SHEET No.	REVISION
COUN004	S3.03	1



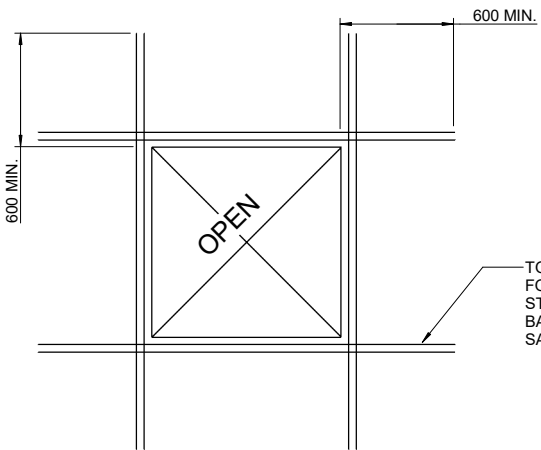
SUSPENDED SLAB PLAN

SCALE: 1 : 50

200 THICK SLAB U.N.O.

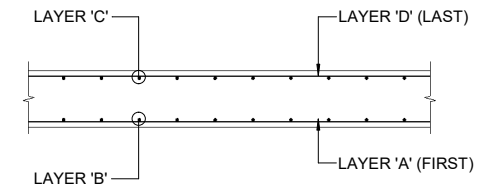
XYPEX WATER PROOFING TREATMENT OR APPROVED EQUIVALENT TO BE PROVIDED TO SLAB AS PER MANUFACTURERS RECOMMENDATION

- DENOTES CONCRETE DOWNTURN. REFER SECTION H ON DRAWING S3.11
- DENOTES LOAD BEARING WALL UNDER

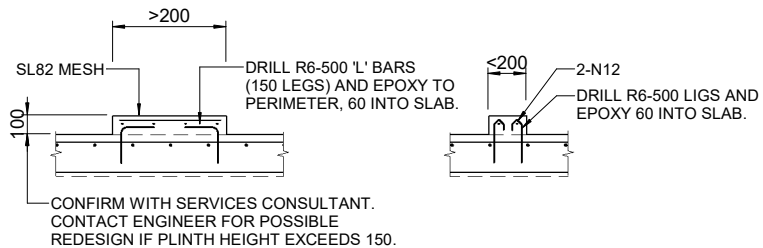


- FOR HOLES LESS THAN 300mm x 300mm, BARS TO BE RE-ARRANGED AROUND HOLE
- FOR HOLES GREATER THAN 300mm x 300mm, BUT LESS THAN 1000mm x 1000mm USE ABOVE DETAILS.
- FOR HOLES GREATER THAN 1000mm x 1000mm CONTACT ENGINEER.
- LOCATION OF HOLES TO BE TO THE APPROVAL OF THE ENGINEER.

PENETRATION IN SUSPENDED SLAB



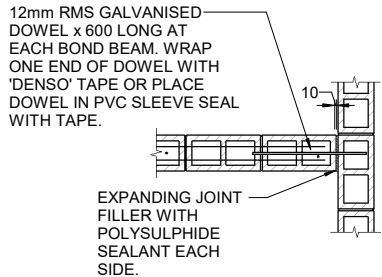
REINFORCEMENT BAR LAYING SEQUENCE



TYPICAL PLINTH DETAILS

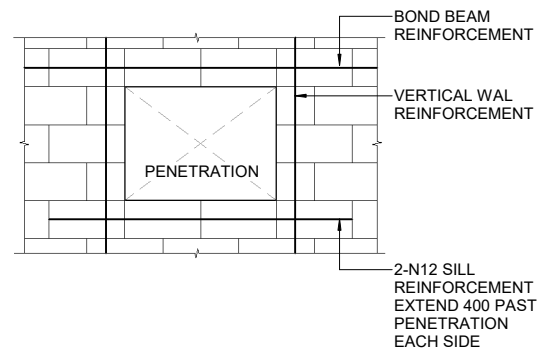
SCALE 1:20

NOTE: NOT SHOWN ON PLAN, REFER TO MECHANICAL ENGINEER FOR SIZES AND LOCATIONS



BCJ - NEW TO EXISTING PERPENDICULAR

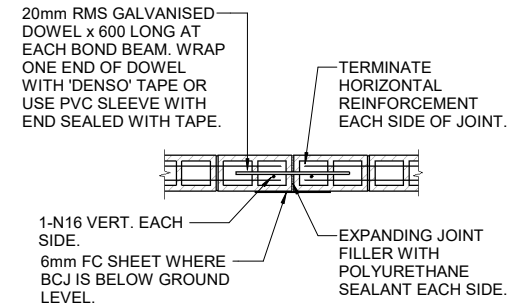
SCALE 1:20



SERVICES PENETRATION IN BLOCKWALL

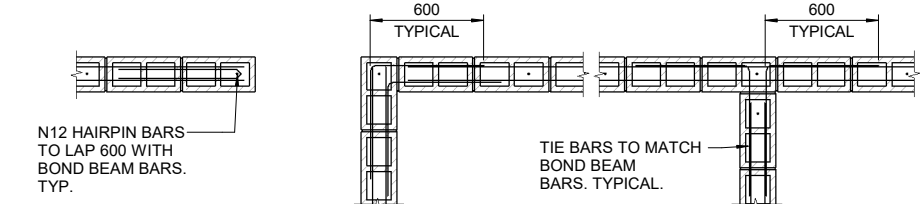
SCALE 1:20

NOTE: FIRE RATE TO SUIT WALL FRL



BCJ - BLOCKWORK CONTROL JOINT

SCALE 1:20

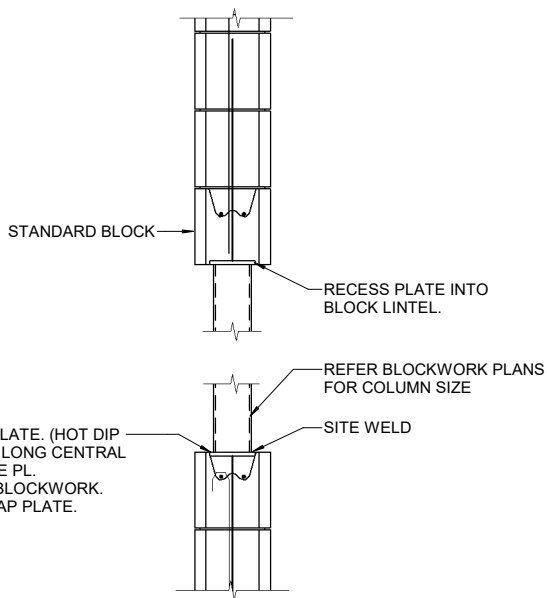


FREE END-190 SERIES

SCALE 1:20

TYPICAL BLOCKWORK INTERSECTIONS

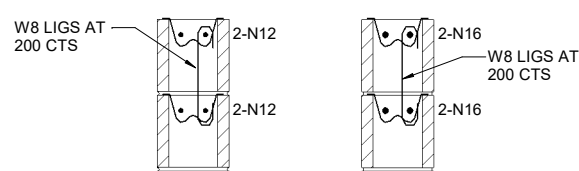
SCALE 1:20



COLUMN TO BLOCKWORK SILL AND LINTEL

SCALE 1:10

REFER WALL PLAN FOR LOCATIONS

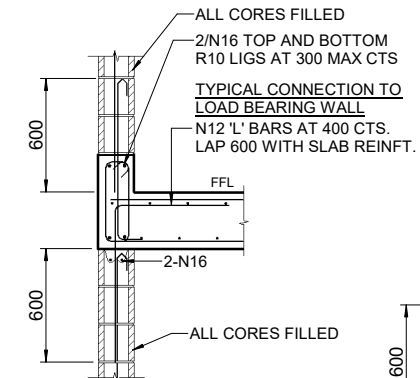


B1 - LINTEL

SCALE: 1 : 10

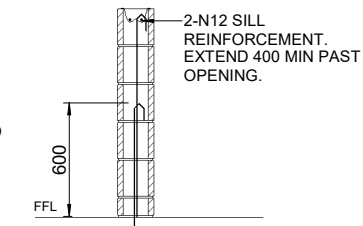
B2 - LINTEL

SCALE: 1 : 10



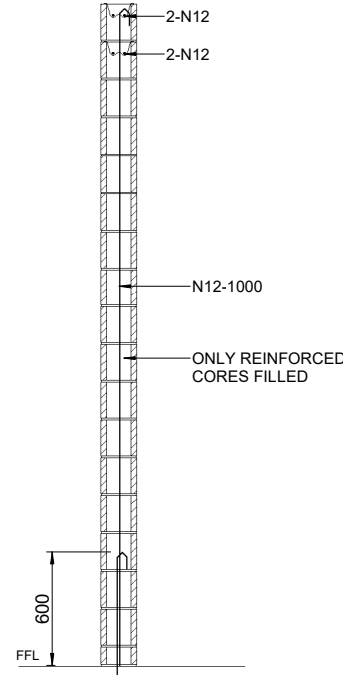
FIRE RATED WALL TO SUSPENDED SLAB AND HOB

SCALE 1:20



TYPICAL SILL SECTION

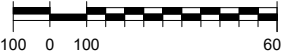
SCALE 1:20



TYPICAL WALL

SCALE 1:20

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100 0 100 600



200 0 200 1200



500 0 500 3000

2	REVISED CONSTRUCTION ISSUE	B.S.	06/09/24
1	FOR CONSTRUCTION	D.E.J.	14/08/24
REV	DESCRIPTION	APP'D	DATE

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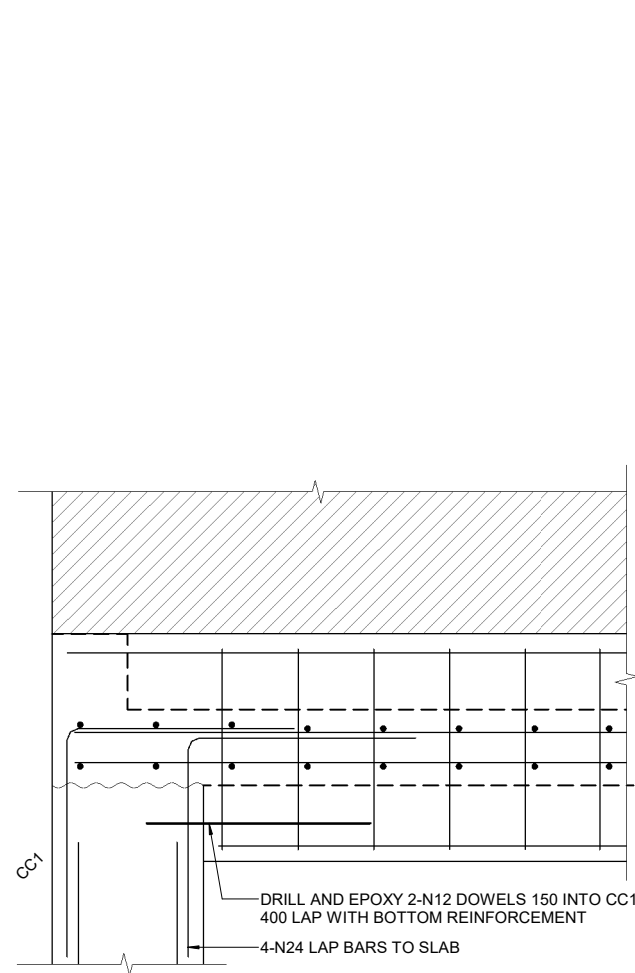
DRAWN	L.T.	DESIGNED	B.S.
APPROVED	D.E.JOHNSTONE	DATE	22/02/24

CLIENT
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PROJECT
PREP BUILDING CALVARY CHRISTIAN COLLEGE
569 BAYSWATER ROAD, MOUNT LOUISA

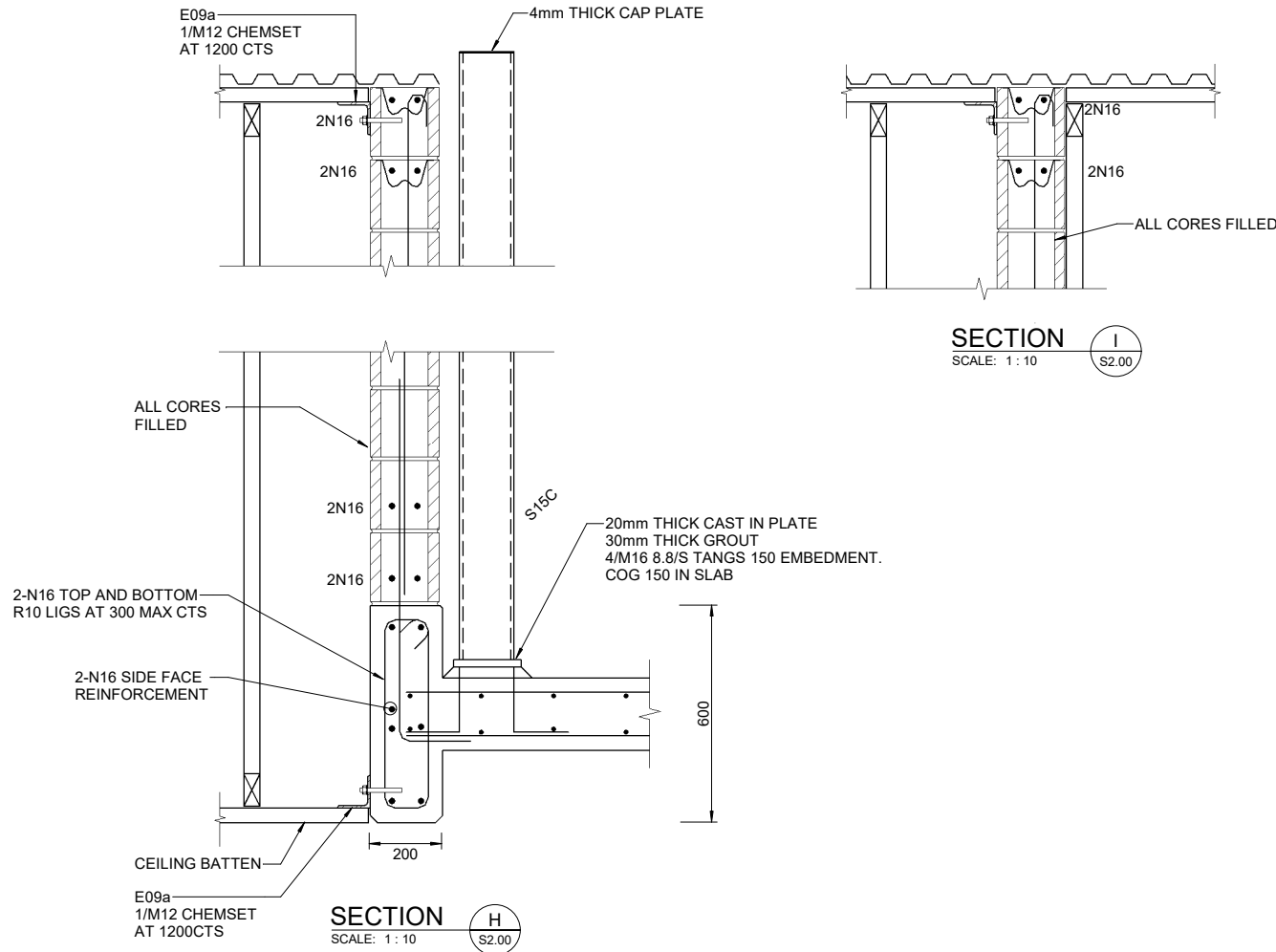
DRAWING
SUSPENDED SLAB PLAN AND BLOCKWORK DETAILS

JOB NUMBER	SHEET No.	REVISION
COUN004	S3.10	2

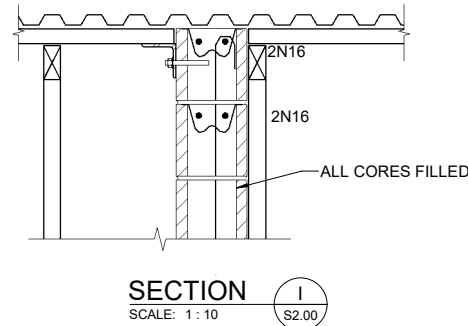


NOTE:
WALL REINFORCEMENT, GIRTS AND S15c NOT SHOWN FOR CLARITY.
REFER BLOCKWORK NOTES
SCREEN NOT SHOWN FOR CLARITY

DETAIL
SCALE: 1 : 10



SECTION
SCALE: 1 : 10



SECTION
SCALE: 1 : 10



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1:10 SCALE ON A1 SHEET
1:20 SCALE ON A3 SHEET

REV	DESCRIPTION	APP'D	DATE
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L.T.	B.S.
APPROVED	DATE
D.E.JOHNSTONE	22/02/24

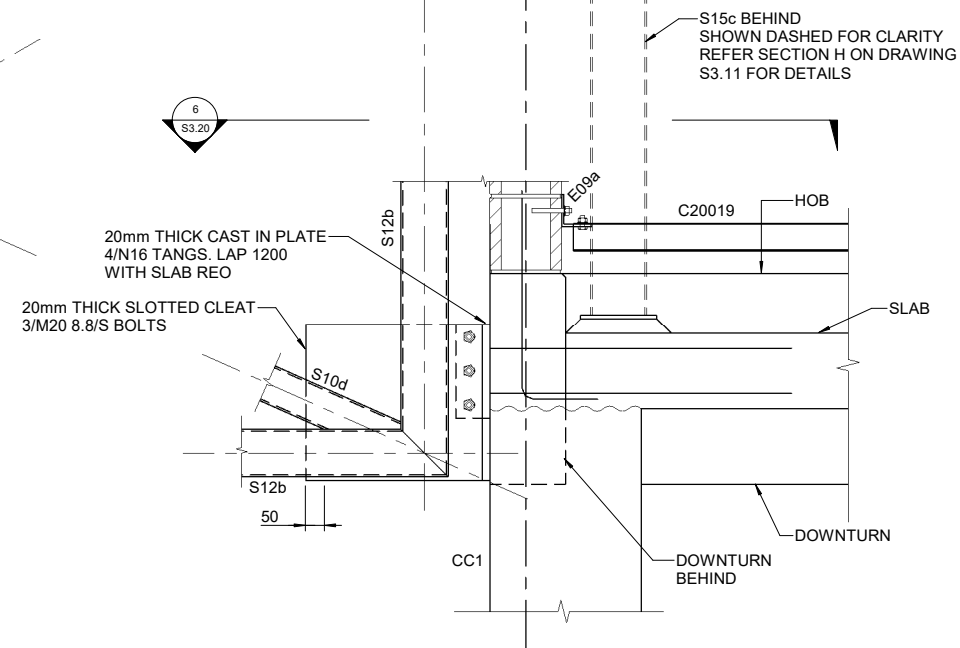
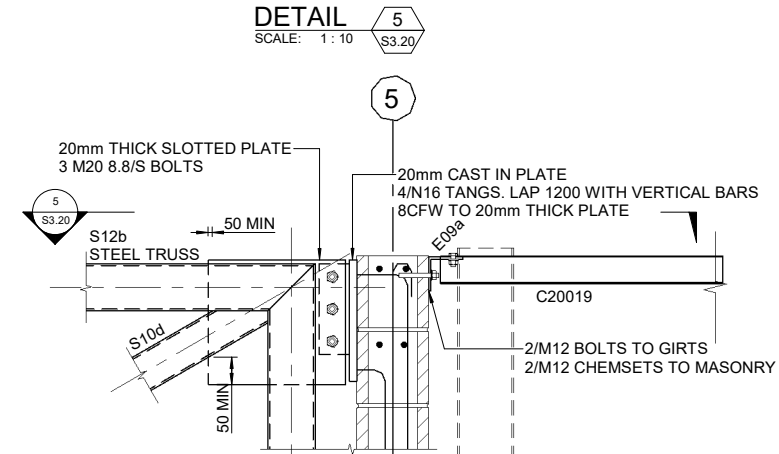
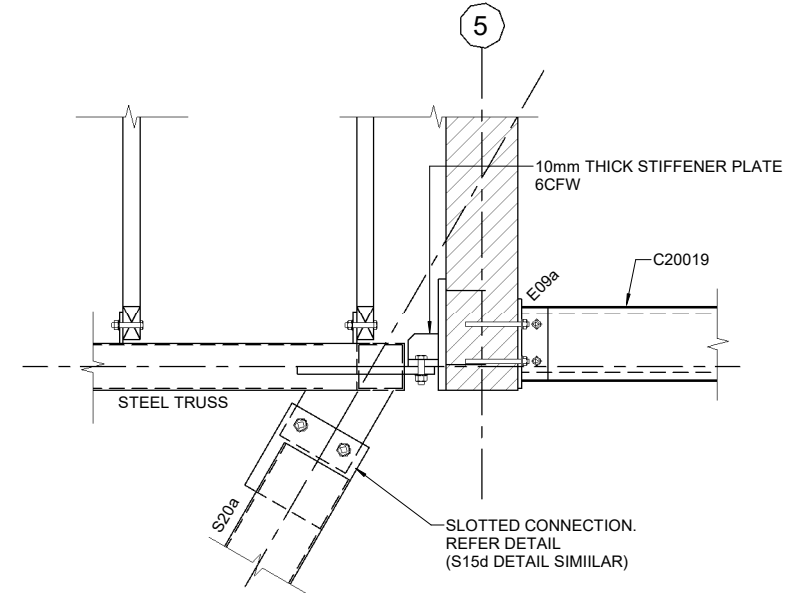
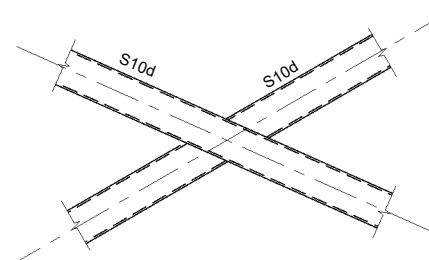
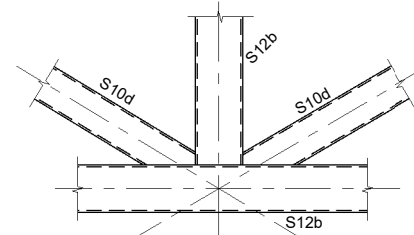
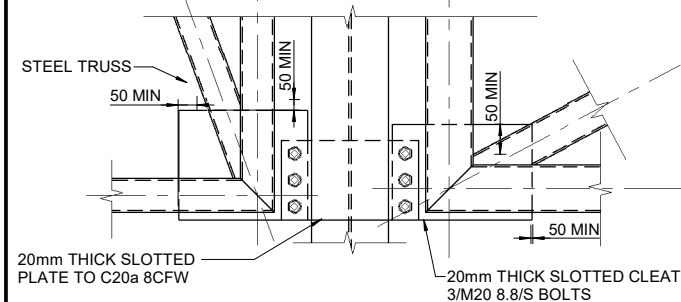
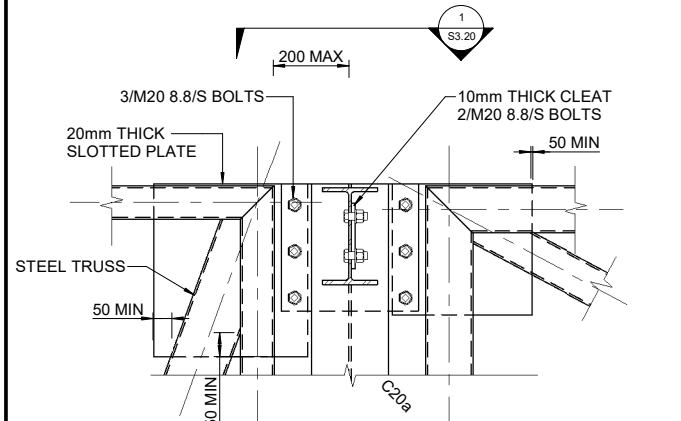
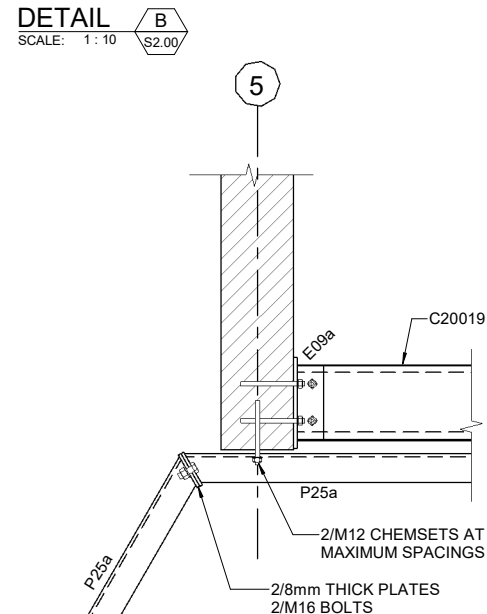
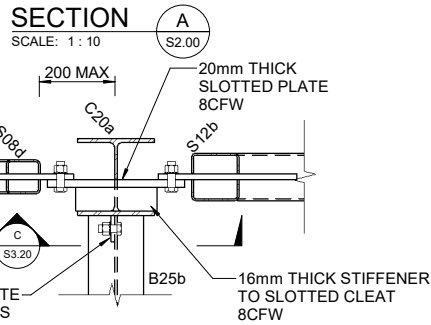
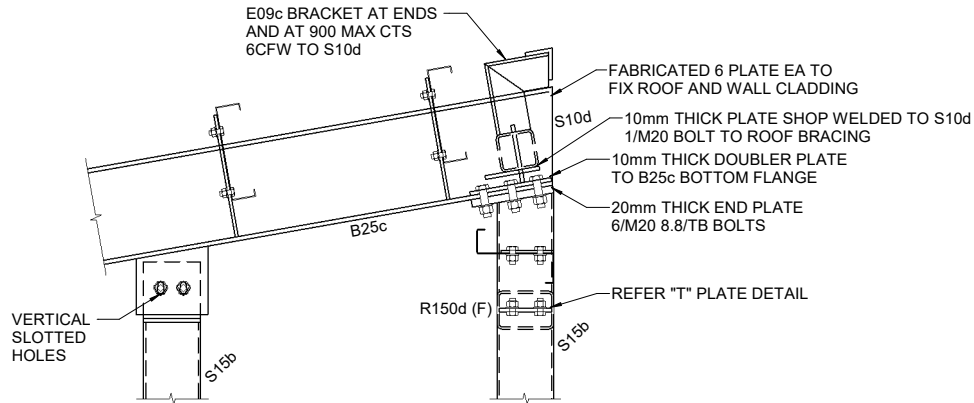
CLIENT
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PROJECT
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CHRISTIAN COLLEGE
569 BAYSWATER ROAD, MOUNT
LOUISA

DRAWING
CONCRETE AND BLOCKWORK
DETAILS

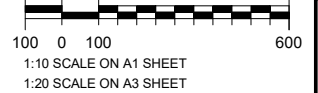
JOB NUMBER	SHEET No.	REVISION
COUN004	S3.11	2

CONCRETE AND BLOCKWORK DETAILS



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REV	DESCRIPTION	APP'D	DATE	

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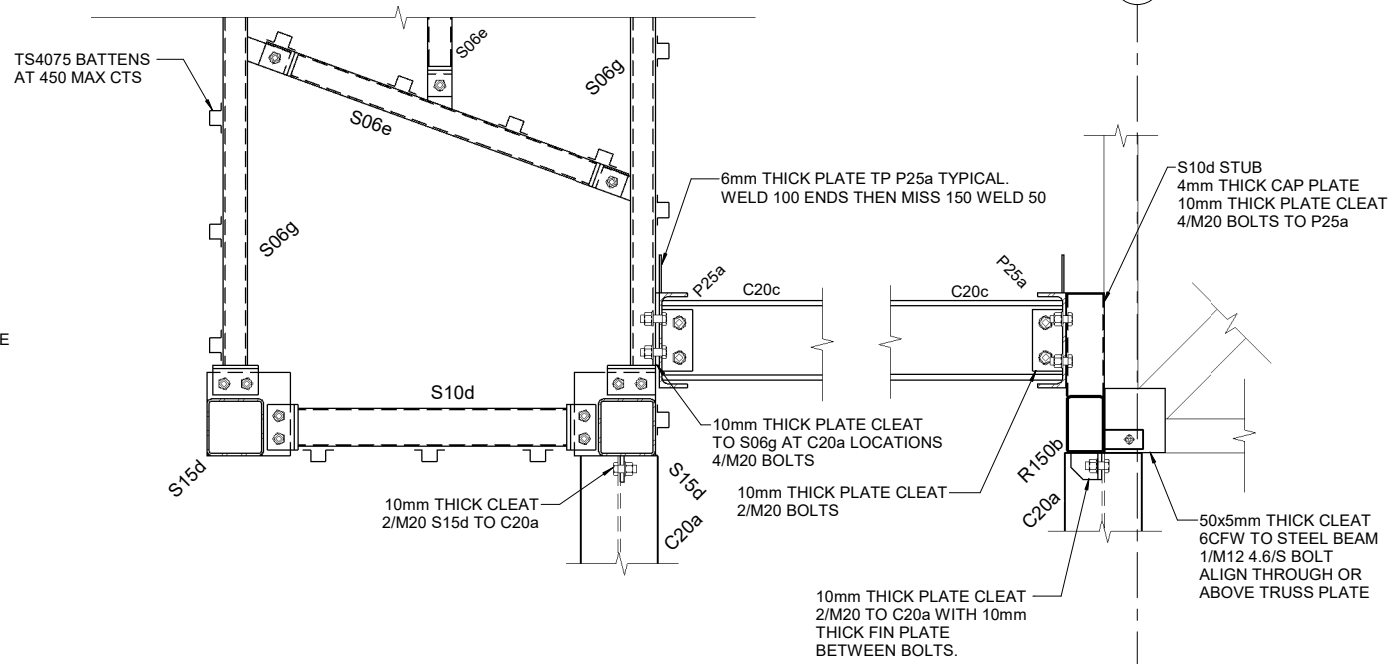
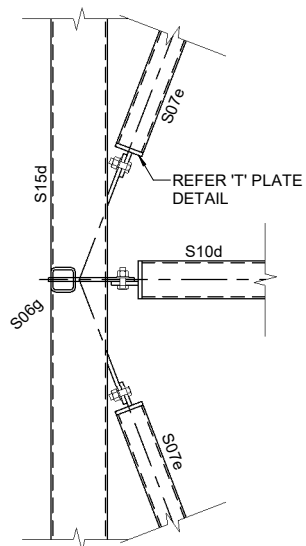
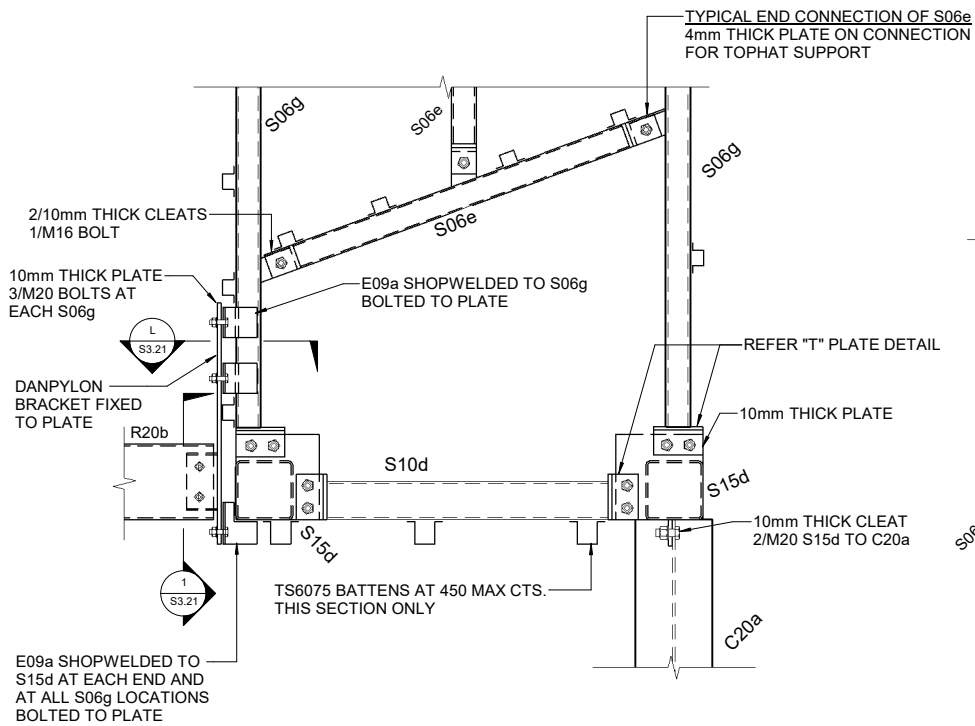
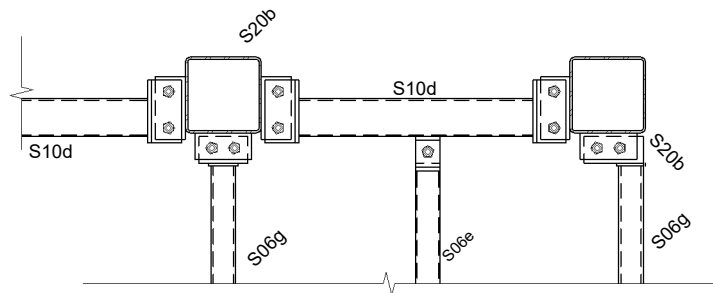
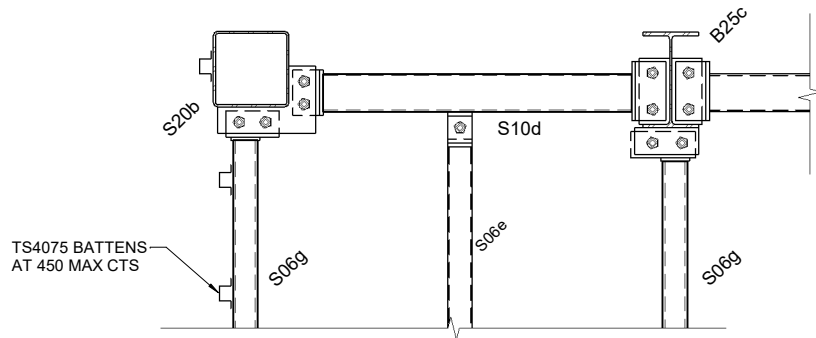
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569 BAYSWATER ROAD, MOUNT
LOUISA

DRAWING
STEEL DETAILS - SHEET 1

JOB NUMBER	SHEET No.	REVISION
COUN004	S3.20	2



SECTION F
SCALE: 1 : 10

SECTION L
SCALE: 1 : 10

SECTION I
SCALE: 1 : 10

SECTION J
SCALE: 1 : 10



DETAIL 1
SCALE: 1 : 10

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REV	DESCRIPTION	APP'D	DATE
2	REVISED CONSTRUCTION ISSUE	B.S.	06/09/24
1	FOR CONSTRUCTION	D.E.J.	14/08/24

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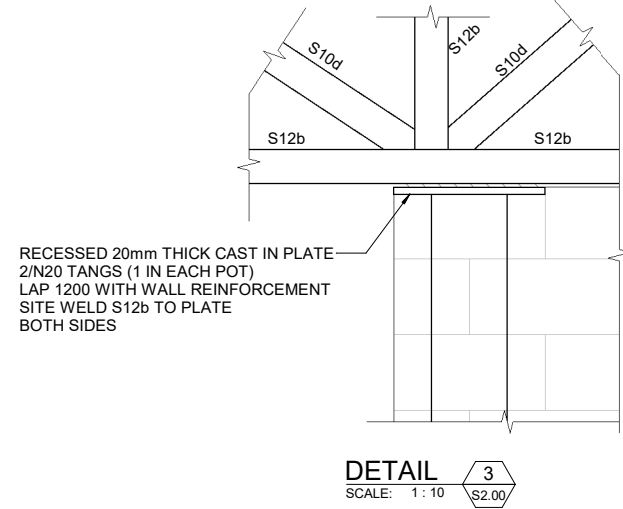
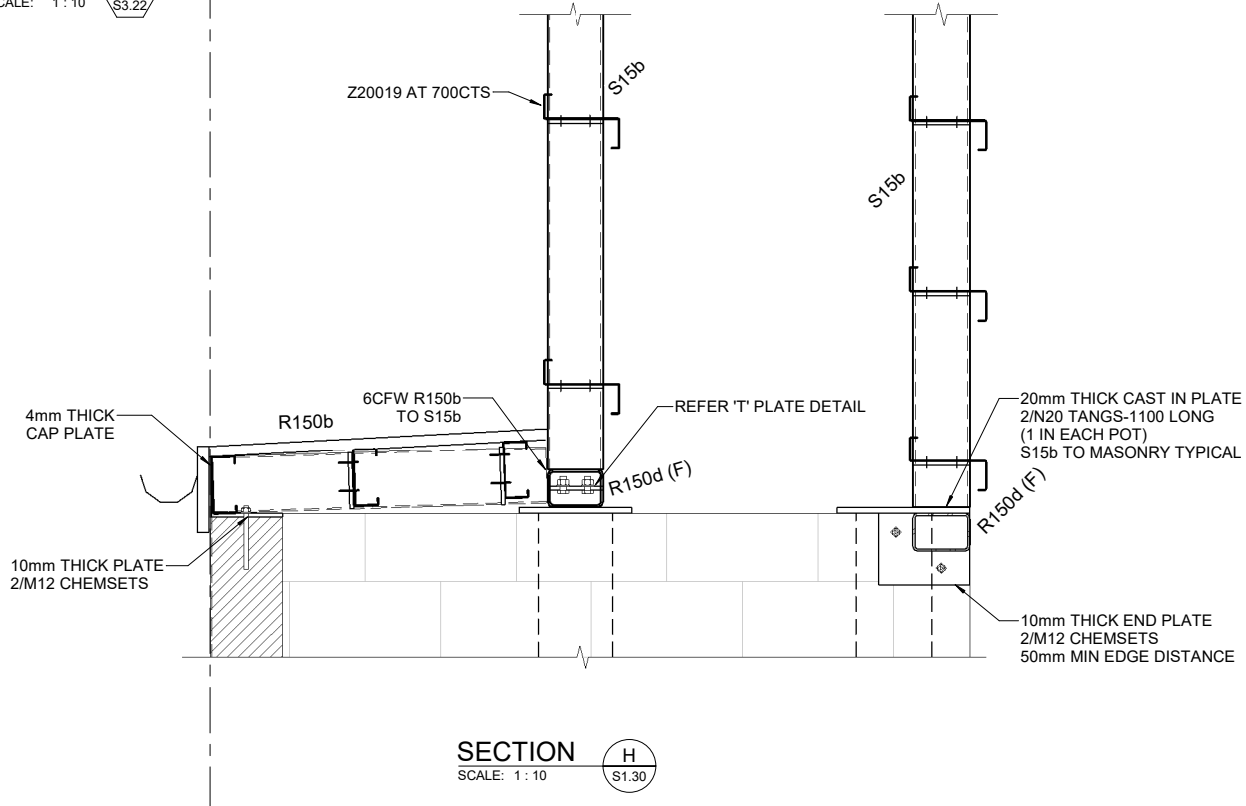
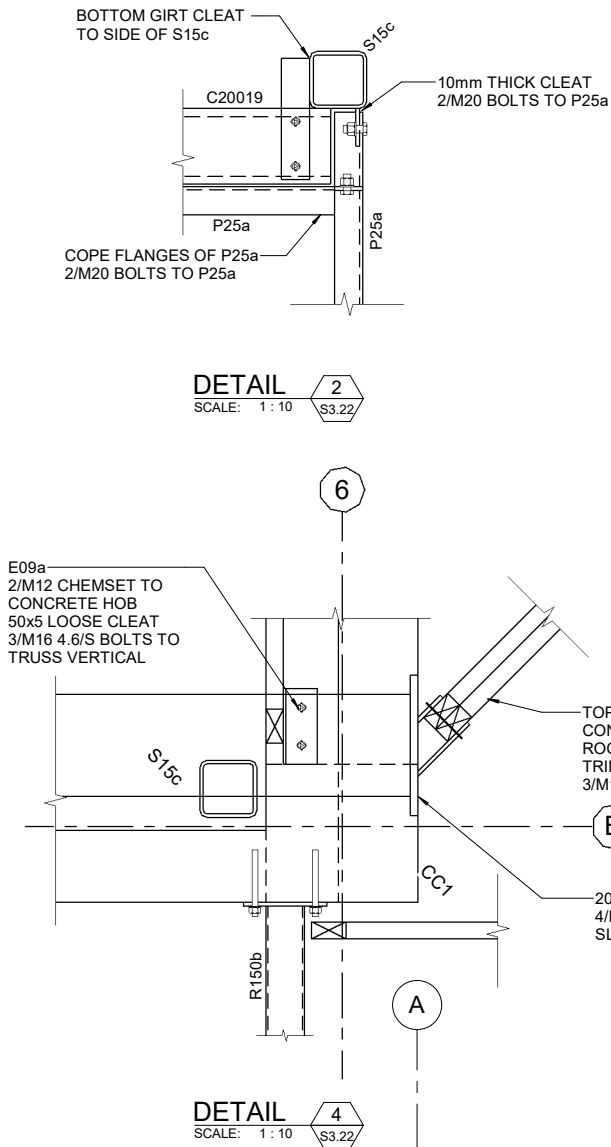
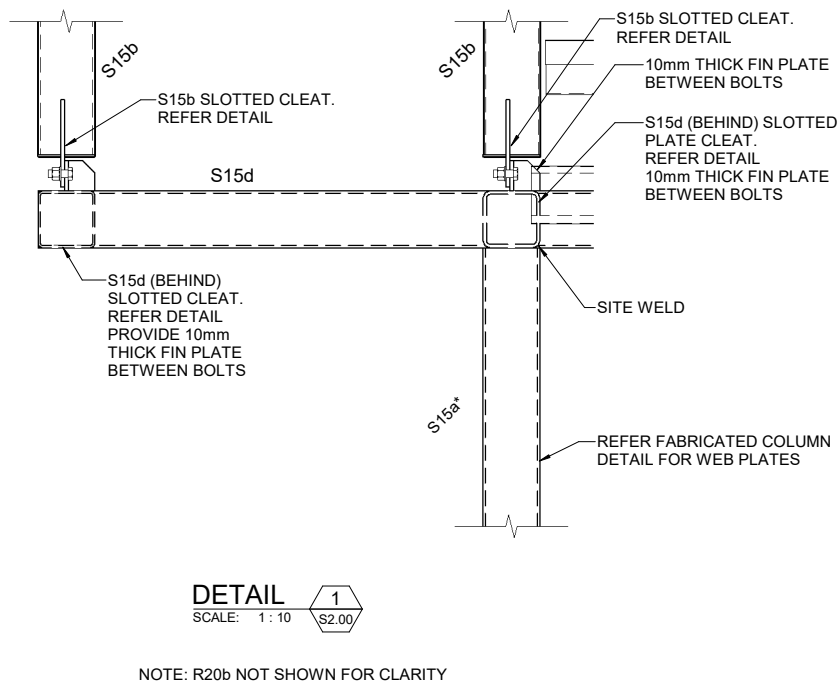
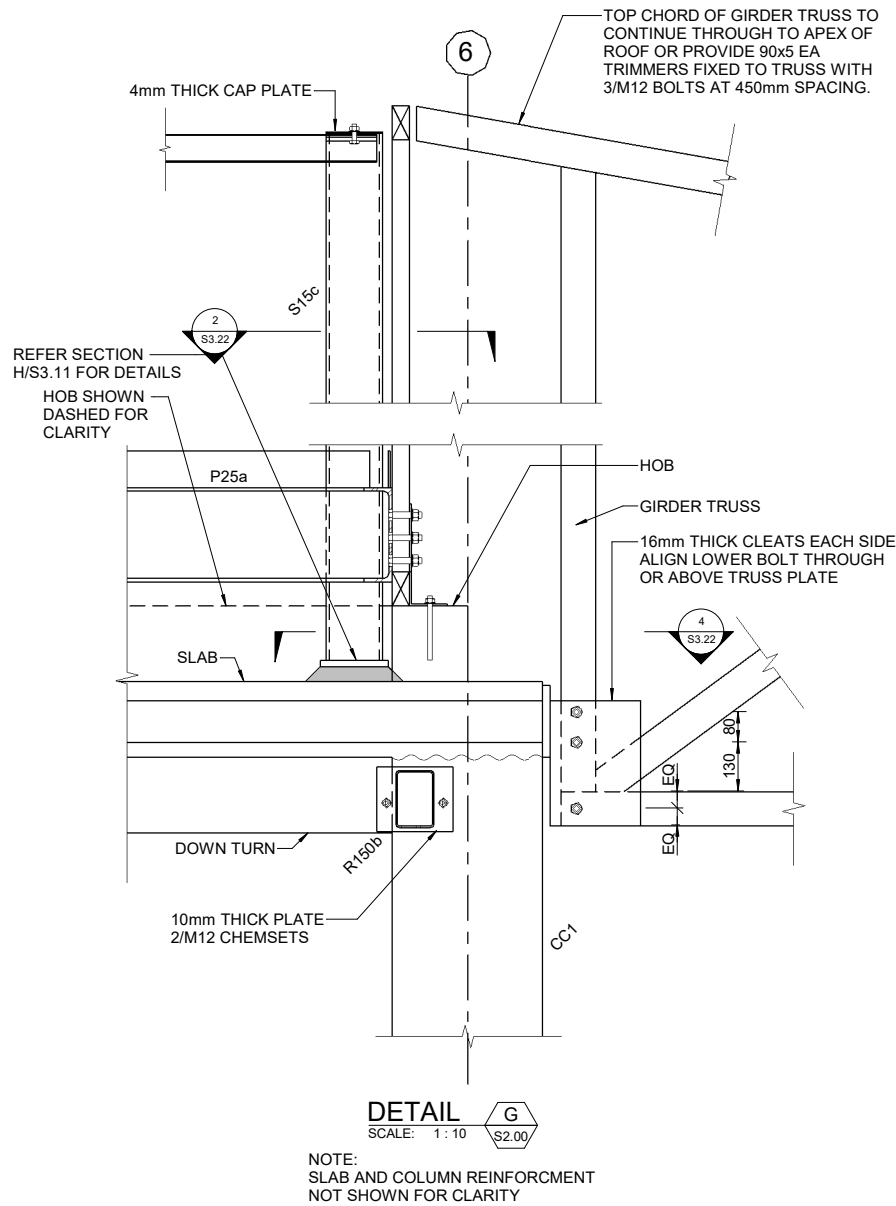
PROJECT
PREP BUILDING CALVARY
CHRISTIAN COLLEGE
569 BAYSWATER ROAD, MOUNT
LOUISA

DRAWING
STEEL DETAILS - SHEET 2

JOB NUMBER	SHEET No.	REVISION
COUN004	S3.21	2

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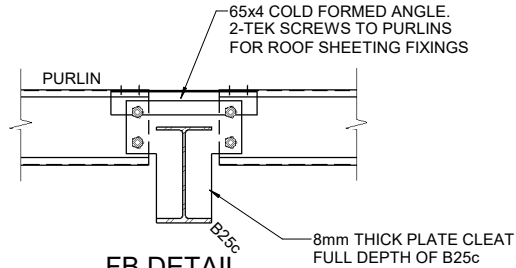
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569 BAYSWATER ROAD, MOUNT
LOUISA

DRAWING
STEEL DETAILS - SHEET 3

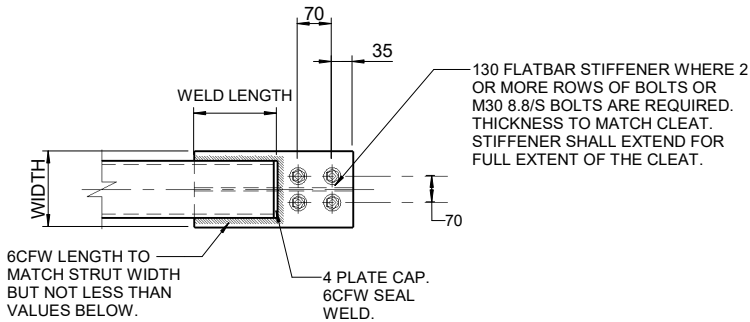
JOB NUMBER	SHEET No.	REVISION
COUN004	S3.22	2



FABRICATED COLUMN
S15a* DETAIL
SCALE: 1 : 10



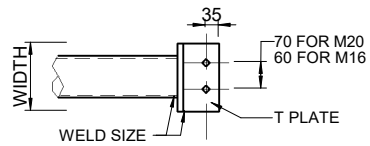
FB DETAIL
SCALE: 1 : 10



CONNECTING CLEAT PLATE THICKNESS TO MATCH STRUT CLEAT. PROVIDE MATCHING FLATBAR STIFFENER TO CONNECTING CLEAT PLATE AS PER STRUT CLEAT.

MARK	SIZE	PLATE (U.N.O.)		WELD LENGTH	BOLTS	
		THICKNESS	WIDTH		NO. OF ROWS	NO. AND SIZE
S15b/d	150 x 5/9 SHS	10	180	150	1	2-M20 8.8/S
S20a	200 x 5 SHS	12	230	200	2	4-M20 8.8/S

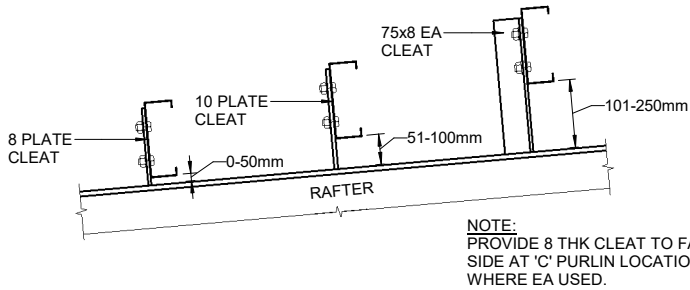
TYPICAL SLOTTED END PLATE DETAIL



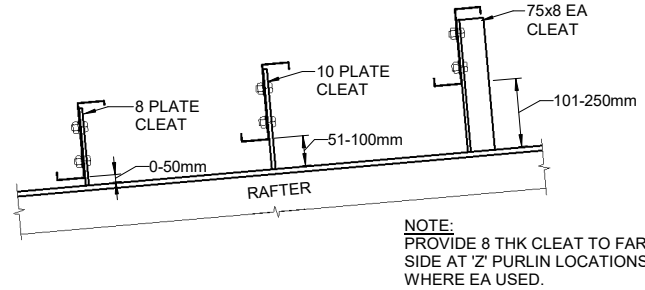
CLEAT THICKNESS TO MATCH T PLATE THICKNESS

MARK	MEMBER SIZE	T PLATE		WELD SIZE	BOLTS
		THICKNESS	WIDTH		
S06g	50x6 SHS	8	130	6CFW	2-M16 8.8/S
S07e	75 x 4 SHS	12	150	6CFW	2-M20 8.8/S
S10d	100 x 4 SHS	16	180	8CFW	2-M20 8.8/S
R150b	150 x 100 x 4 RHS	16	180	8CFW	2-M20 8.8/S
R150d	150 x 100 x 6 RHS	16	180	8CFW	2-M20 8.8/S

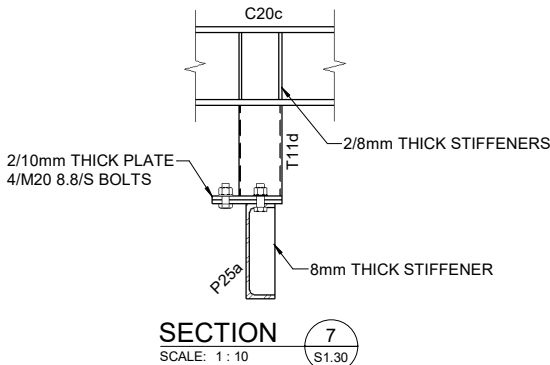
TYPICAL T PLATE CONNECTION



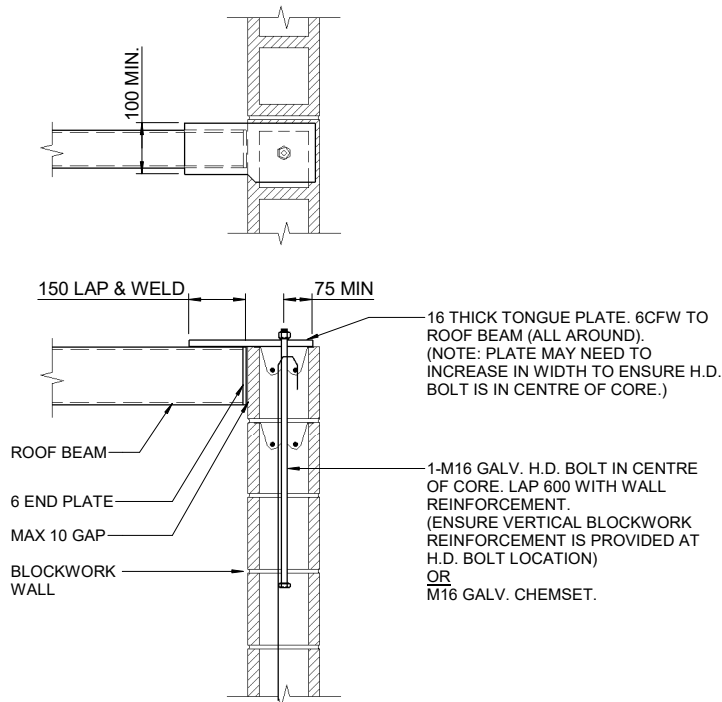
TYPICAL PURLIN AND GIRT CLEATS DETAIL
SCALE 1:10
NOTE:
1. CLEATS SUPPORTING PURLIN OR GIRTS WITH A DEPTH GREATER THAN OR EQUAL TO 300mm SHALL HAVE A MINIMUM THICKNESS OF 12mm.



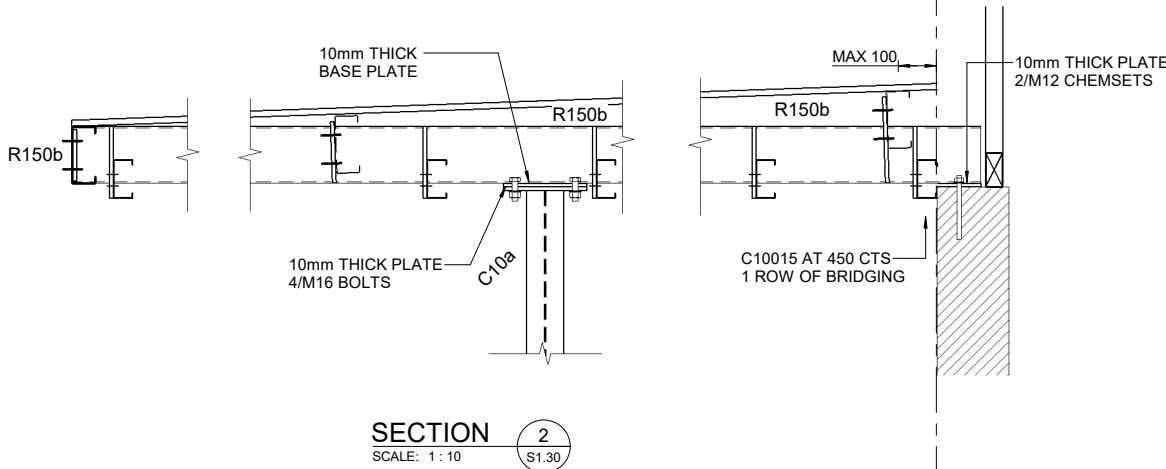
TYPICAL PURLIN AND GIRT CLEATS DETAIL
SCALE 1:10
NOTE:
1. CLEATS SUPPORTING PURLIN OR GIRTS WITH A DEPTH GREATER THAN OR EQUAL TO 300mm SHALL HAVE A MINIMUM THICKNESS OF 12mm.



C20c TO P25a DROPPER



ROOF BEAM TO BLOCKWORK DETAIL
SCALE 1:10



SECTION 2
SCALE: 1 : 10

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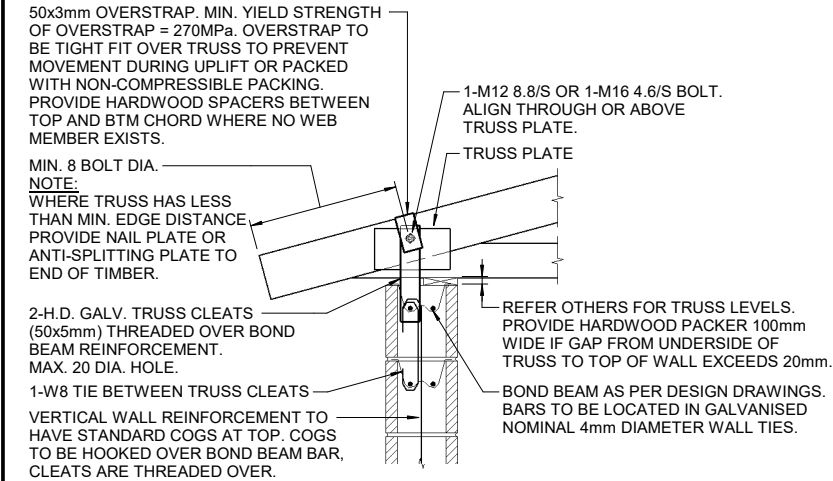
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CHRISTIAN COLLEGE
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LOUISA

DRAWING
STEEL DETAILS - SHEET 4

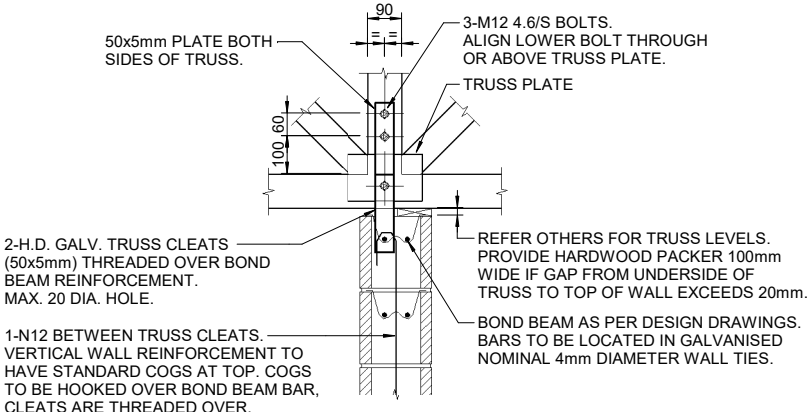
JOB NUMBER	SHEET No.	REVISION
COUN004	S3.23	2

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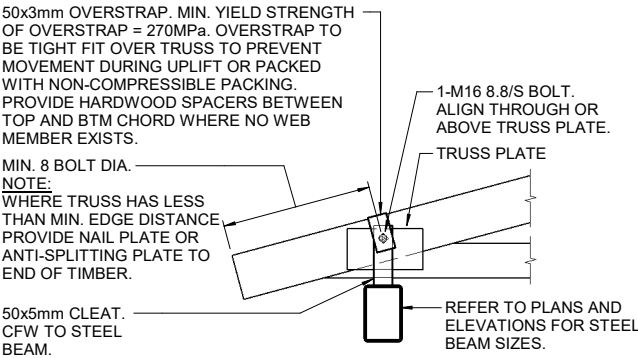
**TRUSS HOLD DOWN
FOR A 20kN MAX. UPLIFT**

MINIMUM TIMBER THICKNESS = 35mm
TRUSS JOINT GROUP = JD4 (MGP12 OR BETTER)



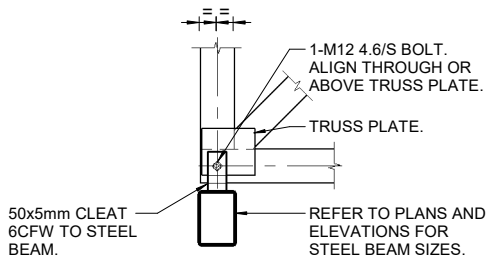
**TRUSS HOLD DOWN
FOR A 37kN MAX. UPLIFT**

MINIMUM TIMBER THICKNESS = 35mm
TRUSS JOINT GROUP = JD4 (MGP12 OR BETTER)



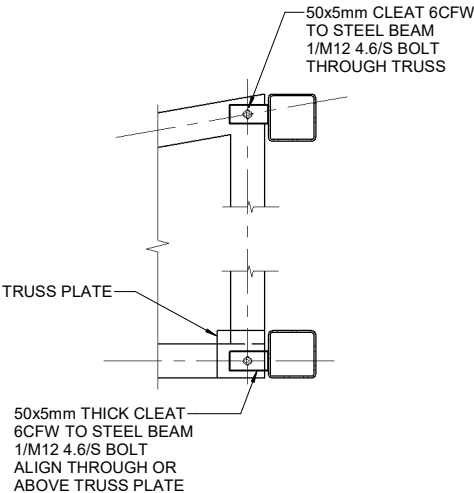
**TRUSS HOLD DOWN
FOR A 31kN MAX. UPLIFT**

MINIMUM TIMBER THICKNESS = 70mm
TRUSS JOINT GROUP = JD4 (MGP12 OR BETTER)



**TRUSS HOLD DOWN
FOR A 11.3kN MAX UPLIFT**

MIN TIMBER THICKNESS = 35mm
TRUSS JOINT GROUP = JD4 (MGP12 OR BETTER)



**GRID B TRUSS HOLD DOWN
FOR A 11.3kN MAX UPLIFT**

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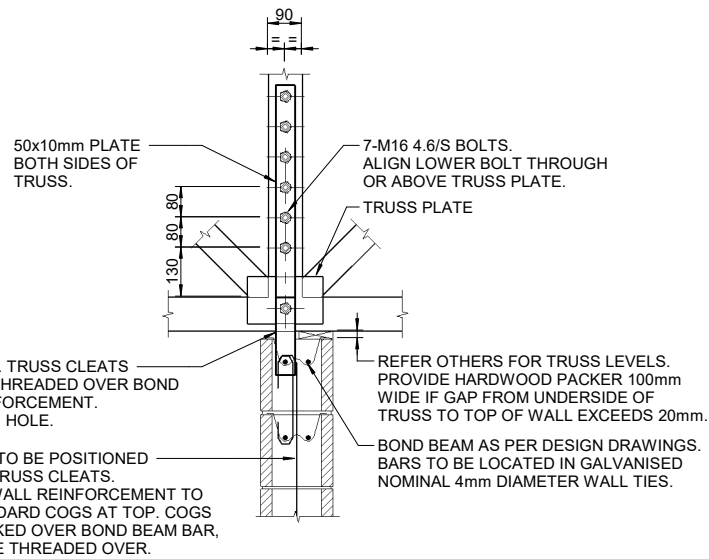
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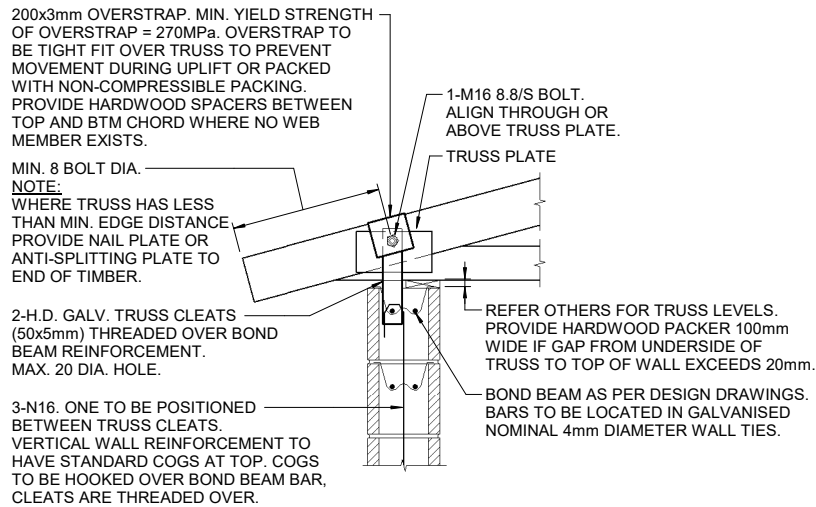
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569 BAYSWATER ROAD, MOUNT
LOUISA

DRAWING
TRUSS HOLD DOWN DETAILS -
SHEET 1

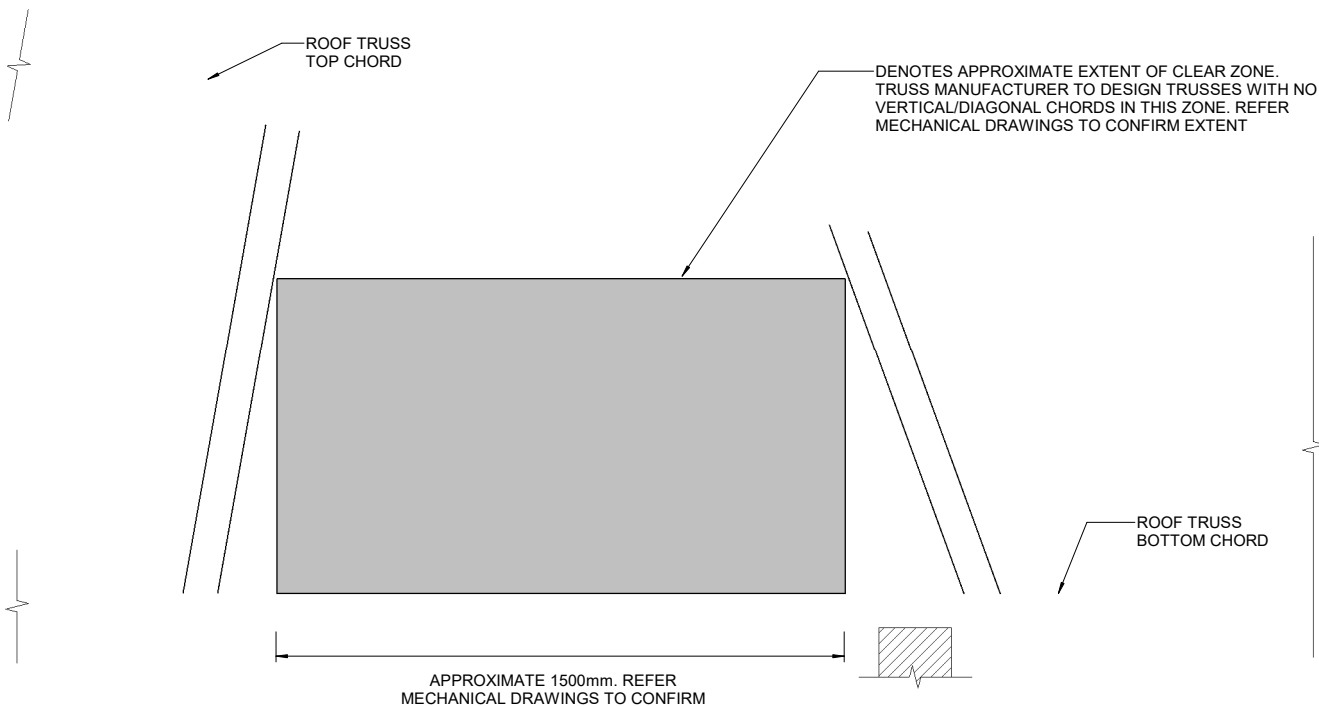
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COUN004	S3.30	2



TRUSS HOLD DOWN FOR A 155kN
MINIMUM TIMBER THICKNESS = 35mm
TRUSS JOINT GROUP = JD4 (MGP12 OR BETTER)



**TRUSS HOLD DOWN
FOR A 75kN MAX. UPLIFT**
MINIMUM TIMBER THICKNESS = 35mm
TRUSS JOINT GROUP = JD4 (MGP12 OR BETTER)



SECTION 3
SCALE: 1 : 10

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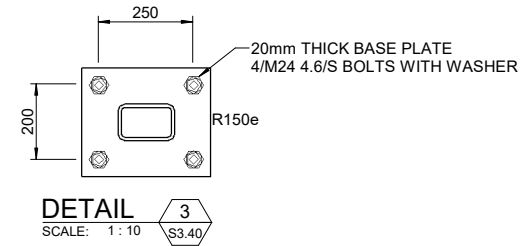
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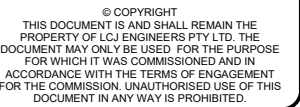
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DRAWING
TRUSS HOLD DOWN DETAILS - SHEET 2

JOB NUMBER	SHEET No.	REVISION
COUN004	S3.31	2

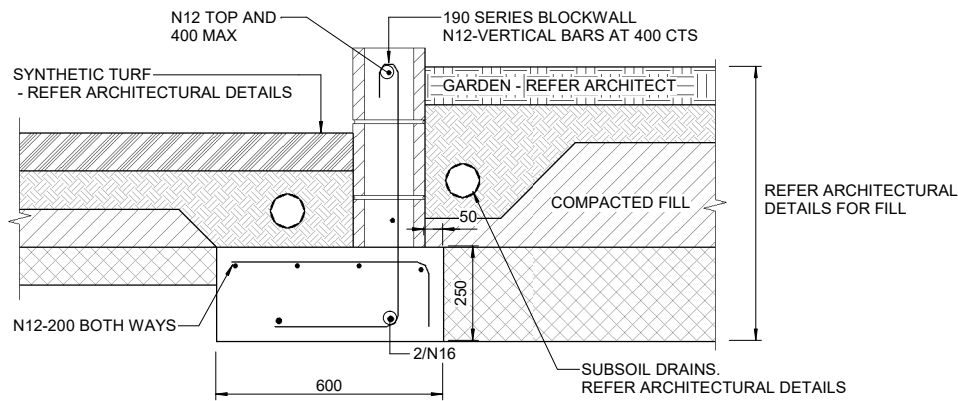


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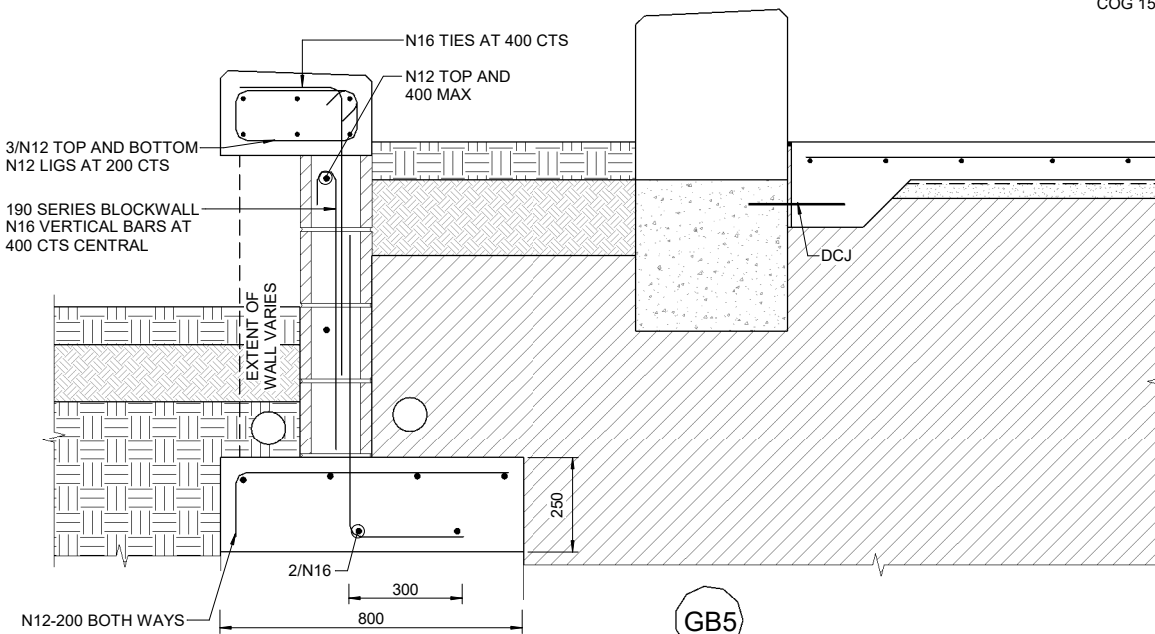
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COUN004	S3.40	2

WALKWAY DETAILS - SHEET 1



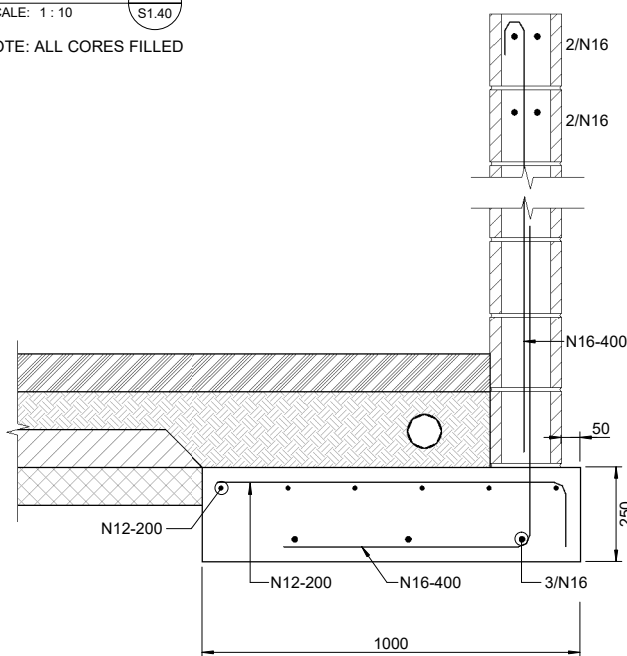
SECTION 1
SCALE: 1:10

NOTES: ALL CORES FILLED



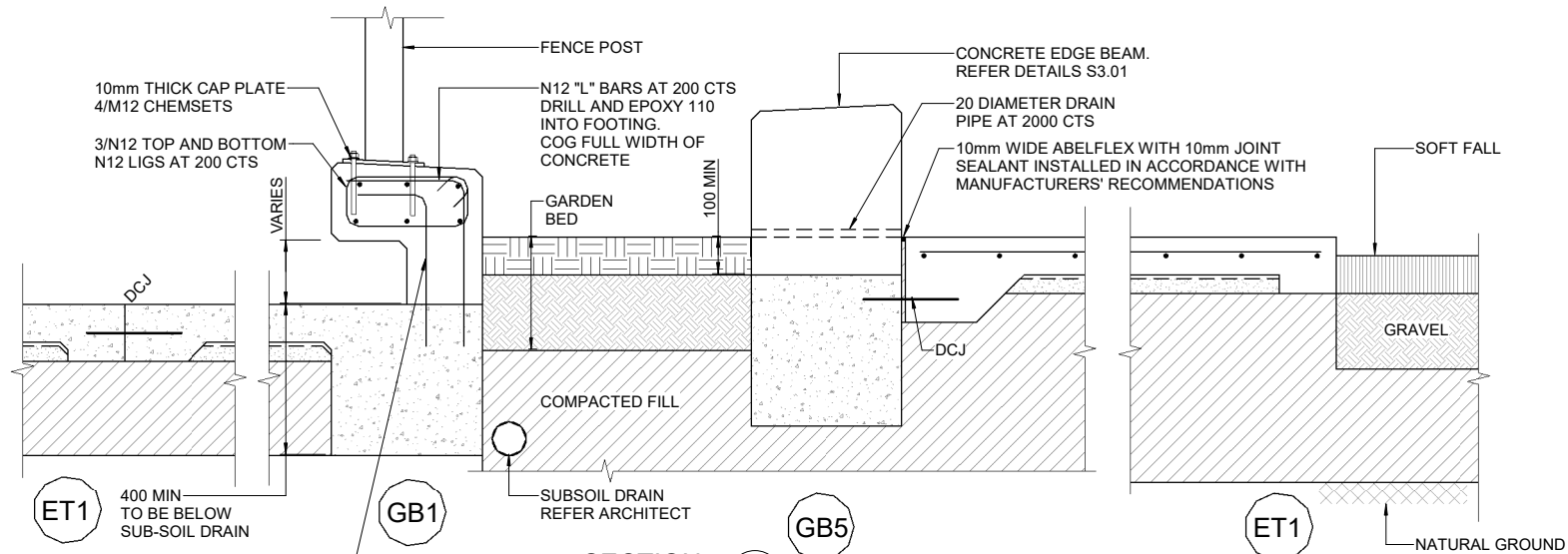
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SCALE: 1:10

NOTE: ALL CORES FILLED

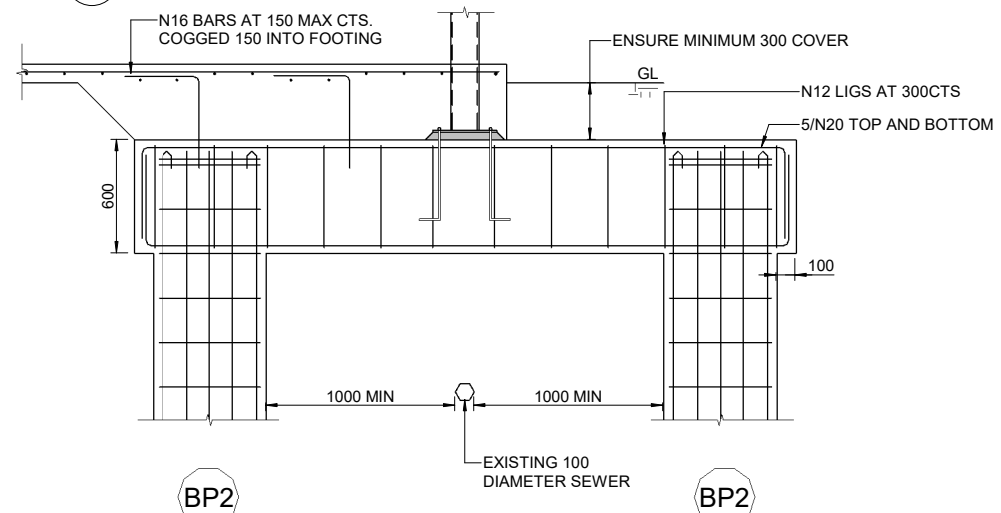


SECTION 3
SCALE: 1:10

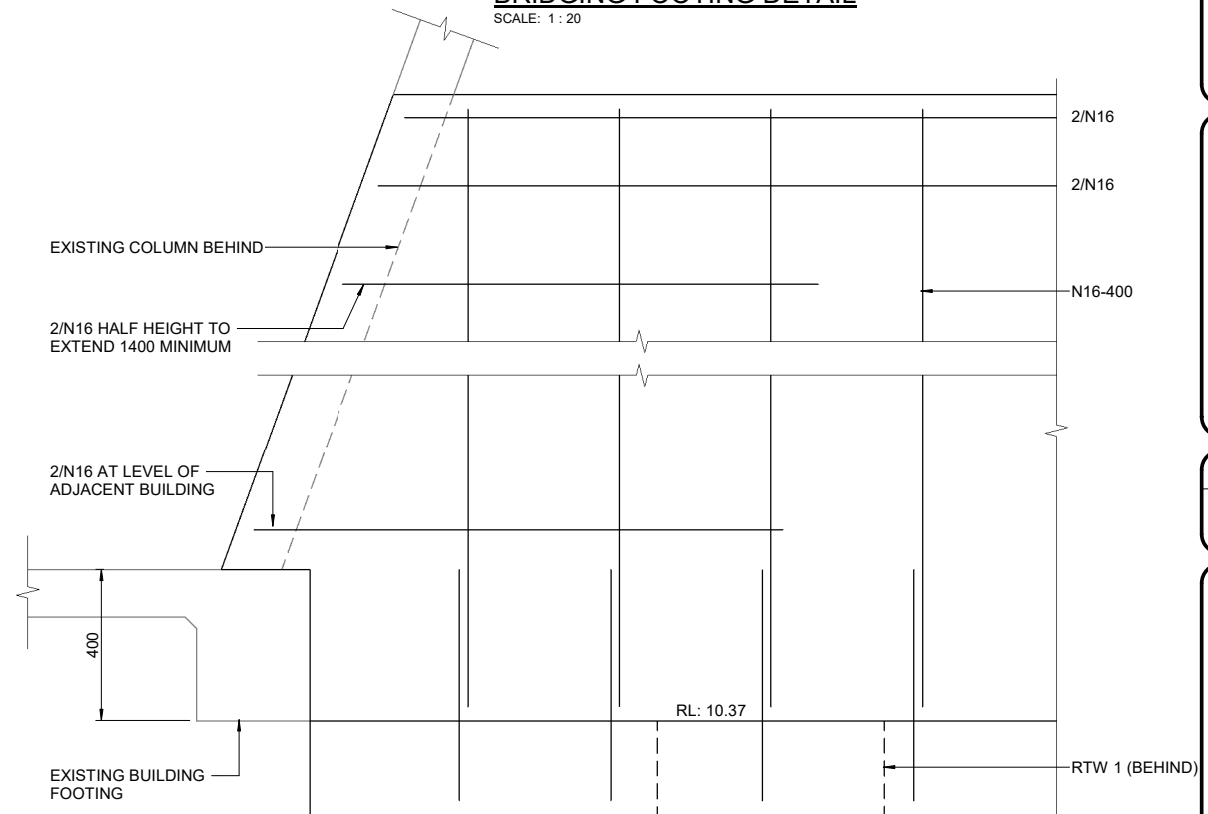
NOTES: ALL CORES FILLED



SECTION C
SCALE: 1:10



BRIDGING FOOTING DETAIL
SCALE: 1:20



RTW2 ADJACENT EXISTING BUILDING
SCALE: 1:10

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CHRISTIAN COLLEGE
569 BAYSWATER ROAD, MOUNT
LOUISA

DRAWING
WALKWAY DETAILS - SHEET 2

JOB NUMBER	SHEET No.	REVISION
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