REFER TO DRAWING No. S1.2 FOR CONSTRUCTION NOTES

DRAWING LIST

WILDLIFE HOSPITAL

75 LAKE RD
KYABRAM VIC 3620

ZOOS VICTORIA

Rev.	Issue/Amendment	By	App.	Date
T1	FOR TENDER	R.R.	J.B.	16.07.2026

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Architect
SPACE FOR HEALTH

Project
WILDLIFE HOSPITAL
75 LAKE RD
KYABRAM VIC 3620

Title
COVER SHEET & DRAWING LIST

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The presence of this signature signifies that this is the certified drawing issued for construction.

Job No. **2024S0498**	Scale at A1
Drawing No. **S1.1**	Revision **T1**
Date **NOV. 2024**	Designed **M.R.** / Drawn **R.R.**

FOR TENDER NOT FOR CONSTRUCTION

CONSTRUCTION NOTES

GENERAL

G1. These drawings are for structural purposes only and are to be read in conjunction with all architectural and other working drawings, specifications and with such other written instructions as may be issued during the course of the contract.
G2. Provide all workmanship and materials in accordance with the requirements of the current editions of the BCA, the Australian Standards and the By-Laws and Ordinances of the relevant Building Authority.
G3. The Builder must comply with requirements of the Occupational Health & Safety Act.
G4. Refer any conflict between these notes, the specification, the drawings or any other relevant documents to the contract superintendent for decision prior to proceeding with the work.
G5. Do not obtain dimensions by scaling the drawings. For setting out dimensions and levels refer to architectural drawings.
G6. During construction it is the Builder's responsibility to maintain the structure in a stable condition and to ensure no part is overstressed.The Builder is responsible for the provision of all temporary shoring, bracing and propping to maintain the stability and integrity of excavations, the structure and any adjacent structures. Provide details, for review by the Engineer, of any necessary temporary works, including temporary shoring, prior to commencing construction. For all temporary batters obtain geotechnical engineers recommendations.
G7. The design and drawings are copyright and may not be used or reproduced in whole or in part without the written permission of Partridge.
G8. Fire-Resistant Levels (FRL's) required for the various structural elements must be confirmed by the BCA consultant or Architect.
G9. Waterproofing requirements shall be specified by the architect.
G10. All proprietary items are to be installed and fixed in accordance with the manufacturers specifications and instructions.
G11. Construction using these drawings shall not commence until a Building Permit is issued by the private building surveyor or statutory authority.

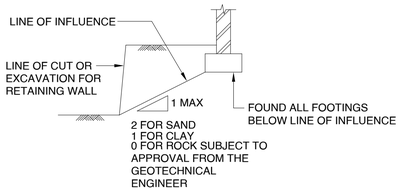
G12. Refer to hydraulic engineering drawings SWXX to SWXX dated XX/XX/XXXX prepared by XXXXXX for stormwater and drainage design and details.

FOUNDATIONS

F1. The minimum safe bearing capacity of foundation material shall be:
Pad Footing : 175kPa in SILTY CLAY.
Raft Slab: 100kPa in SILTY CLAY.

F2. Foundation material shall be approved by the Geotechnical Engineer prior to placing membrane, reinforcement or concrete. Builder is to allow for cost of geotechnical inspections and any required certification.
F3. Refer to geotechnical report No.V430 dated 23/04/2025 by Victorian Geotech. Services If a geotechnical investigation has not been made, the foundation conditions and reactivity class are an assumption and must be confirmed by trial excavations by the builder.

F4. The bases of footing excavations shall be finished clean and horizontal.
F5. Footings shall be located centrally under walls and columns unless noted otherwise.
F6. Founding levels where shown are for tender purposes only.
F7. Any proposed footing excavation near boundaries, other structures or services shall be approved by the Engineer.
F8. The builder shall not excavate below the level of the footings to any existing buildings without the written consent of the engineer.
F9. The building shall not be erected on or adjacent to any of the following hazards unless the hazard is indicated on the structural drawing; Embankments, batters, water retaining structures, retaining walls, pits, sewers, service trenches, drainage channels, streams or any potential source of damage to the structure. If any such hazards are encountered the engineer shall be notified and written approval obtained before proceeding.
F10. The builder shall locate all existing and proposed services and easements on and adjacent to the site. The approval of the relevant statutory authority and the engineer shall be obtained before building on or over any services or easements.
F11. The written consent of adjoining property owners shall be obtained before installation of underpinning, anchoring work, drainage lines or any other work beyond the property boundary.
F12. Do not backfill against retaining walls (other than cantilever walls) until 7 days after slab over is poured.
F13. The builder shall be responsible for maintaining any excavation in a stable condition without adversely affecting surrounding property including services. This includes obtaining all necessary approvals for shoring and anchor systems.
F14. Compacted fill areas and subgrade if required shall be approved material compacted to 98% Standard Dry density determined by testing to AS 1289.5.1.1 u.n.o. Compaction under buildings to extend 2m minimum beyond building footprint.
F15. Footings to be constructed and backfilled as soon as possible following excavation to avoid softening or drying out by exposure
F16. Foundations adjacent to services, existing footings, existing excavation or any new excavation for retaining walls shall extend down such that the zone of influence line of the new foundations is below the adjacent service or footing as follows:



LOADINGS

L1. Importance Levels of Building:2
L2. Superimposed floor live loads are generally in accordance with AS/NZS1170.1 and specifically:

Location	Live Load (kPa)
GENERAL	3.0

L3. Wind loads have been determined in accordance with AS1170.2
Wind Region: [A] Terrain Category: 3
Average recurrence interval R = 500
L4. The relevant provisions of AS1170.4 have been applied for the following Earthquake Design:
Probability factor kp: 1.0 Hazard factor Z: 0.09
Site Sub-Soil Class: [Ce]
Earthquake Design Category: [II]

CONCRETE

C1. Provide all workmanship and materials in accordance with AS3600, the SAA standards cited in AS3600, the drawings and the specification.
C2. Concrete composition and quality shall be as follows;

ELEMENT	CONCRETE GRADE F'c - 28 DAYS (MPa)	SLUMP	MAX AGGREGATE SIZE
Footings	25	80	20
Slab on Ground	40	80	20
Suspended Slab	25	80	20
Core Filling Grout	20	180	10

EXPOSURE CLASSIFICATION: External: B1 Internal: A1

C3. All Concrete to achieve 3 points in the Mat - 4 section of the Green Building Council Australia. Alternatively use type "GP" cement.
C4. No "Breccia" type aggregate is to be used.
C5. No admixtures unless approved by the engineer.
C6. The finished concrete shall be mechanically vibrated to achieve full compaction, completely filling formwork, thoroughly embedding the reinforcement and free of stone pockets.
C7. Sizes of concrete are net, exclusive of applied finishes. Beam depths are written first and include slab thickness.
C8. Properly form construction joints and use only where shown or approved by the Engineer. The first pour shall be thoroughly scabbled and cleaned of all poorly compacted material and laitance, thoroughly soaked and painted with a 2:1 sand cement slurry immediately before placing the second pour. Thoroughly compact the second pour against the first pour.
C9. Make no holes or chases in concrete members without the approval of the Engineer.
C10. For all falls in slab, chamfers, reglets, drip grooves etc. refer to the Architect's drawings and specification. Maintain cover to reinforcement as outlined in reinforcement notes.
C11. Conduits and pipes are to be fixed to the underside of the top reinforcement layer.
C12. Where a vapour barrier is specified beneath slabs on ground provide a "Cromford" 0.2 thick high-impact resistant polyethylene film damp proof membrane throughout. Lap sheets 300mm and seal with a 50mm wide pressure sensitive waterproof tape.
C13. Slurry used to lubricate concrete pump lines is not to be used in any structural members.
C14. Cure concrete in accordance with AS3799. Commence curing within two hours of finishing operations and continue for a minimum of seven days by using an approved proprietary compound compatible with finishes applied uniformly in accordance with the manufacturers instructions or by keeping continuously wet.

C15. Pre camber formwork upwards by 1/500 of the clear span U.N.O. where supported beams and slabs span greater than 5m. Extreme care must be taken to ensure the specified depths of beams and slabs are achieved in areas of pre-set or pre-cambered formwork. This cannot be achieved by levelling the concrete surface into the nominal finished concrete level.

FORMWORK

The design, certification, construction and performance of the formwork, falsework and backpropping shall be the responsibility of the contractor in accordance with AS3610 and AS3600. Proposed method of installation and removal of formwork is to be submitted to the superintendent for comment prior to work being carried out.

Refer to Architect's drawings for finish and class.

REINFORCED BLOCK WORK

M17. Provide all hollow concrete masonry of strength f'uc= **15** MPa u.n.o.
M18. Provide Vertical Control Joints in all walls at a maximum of 8m maximum centres and over any permanent floor joints unless indicated on the structural drawings. Joint locations to be co-ordinated with the architectural drawings.
M19. Maximum continuous pour height shall be 3600mm. Stop pour 50mm below top of block to provide key for the following pour. Provide clean out openings at the base of all cores to be filled. Cores shall be cleaned of mortar protrusions before grouting.
M20. Provide hollow F'c **20** MPa core filling concrete with 10mm aggregate, **180** slump. U.N.O. to all reinforced block walls. Core filling grout shall be thoroughly compacted by mechanical vibrator or rodding. Grout to be in accordance with AS3700.
M21. Lay bottom course on full mortar bed. All perpends shall be fully filled with mortar, except where required for weep holes.
M22. All core filled block walls shall be constructed using "double U blocks".
M23. Reinforcement shall be placed and securely held in the locations indicated by plastic "blockaid" reinforcement location brackets or approved equivalent at the intersection of all vertical and horizontal reinforcement. Rods shall be tied to starter bars in clean out blocks.
M24. Water proofing to the back of block retaining walls to the architect's specification.
M25. Only backfill behind retaining walls after obtaining engineers approval.

REINFORCEMENT

R1. All workmanship and materials shall be in accordance with AS 3600, the drawings and the specification
R2. Fix reinforcement as shown on drawings. The type and grade is indicated by a symbol as shown below. On the drawings this is followed by a numeral which indicates the size in millimetres of the reinforcement.
S - Denotes hot rolled deformed bars Grade 250S.
N - Denotes hot rolled deformed bars Grade 500N.
R - Denotes hot rolled plain round bars Grade 250N.
SL, RL, L(size)TM - Denotes hard drawn wire fabric Grade 500L.

R3. Reinforcement is shown diagrammatically and not necessarily shown in true projection.
R4. All reinforcement shall be securely supported in its correct position during concreting by approved bar chairs, spacers or support bars. Bar chairs are to be mild steel plastic tipped chairs, plastic chairs or concrete chairs. Fully plastic chairs only shall be used on element faces having external exposure on the completed structure. Extra chairs may be required adjacent to slab edges and joints to prevent the upward deflection of the reinforcement when stood on. All reinforcement shall be chaired at maximum centers as follows:
Bars - 1000mm centers each way
Fabric - 600mm centers each way

EXPOSURE CONDITION	COVER TO REINFORCEMENT
SURFACES IN DIRECT CONTACT WITH GROUND	
A - Surface protected by damp proof membrane	**30**
B - Unprotected surfaces U.N.O	**50**
SURFACES IN INTERIOR ENVIRONMENT	
Element	
Slabs	20 Top, 20 Bottom, 20 Sides
Beams	20 Top to Ties, 20 Bottom,20 Sides
SURFACES EXPOSED TO EXTERIOR ENVIRONMENT	40

R5. Reinforcement shall not be cut or welded on site without approval by the engineer. At small holes less than 200mm eg plumbing penetrations, bars shall be displaced to either side.
R6. Maintain cover to all pipes, conduits, reglets, drip grooves etc as required by AS3600 but not less than three bar diameters. Do not place conduits in slabs above top reinforcement or below bottom reinforcement.
R7. Site bending of reinforcement shall be avoided if possible. Where site bending is specified or unavoidable, it shall be carried out cold, without the application of heat with power mechanical bending tools. Cranked bars to be bent 1:6 max.
R8. Laps in reinforcement shall be made only where shown on the drawings unless otherwise approved. Lap lengths as per table below and shown on reinforcement drawings.
R9. Notify the Engineer a minimum of 24 hours before reinforcement has been completed. Allow 2 hours after the completion of the reinforcement for the Engineer's inspection. Do not order concrete until reinforcement has been approved by the Engineer.
R10 Tie all unsupported bars in transverse direction to N12-300, lapped 500 U.N.O.
R11. Provide hooks, bends and cogs in accordance with AS3600 U.N.O.
R12. Fabric end and side laps are to be placed strictly in accordance with the manufacturers requirements to achieve a full tensile lap. Fabric shall be laid so that there is a maximum of 3 layers at any location.

FABRIC LAP DIAGRAM

TENSION LAPS & COGS

BAR SIZE	TOP BARS WITH MORE THAN 300mm CONCRETE BELOW BAR	ALL OTHER BARS	COG LENGTH
N12	650	500	180
N16	950	700	210
N20	1150	950	260
N24	1600	1250	310
N28	1950	1500	360
N32	2300	1800	400
N36	2700	2100	450

COMPRESSION LAPS & COGS

BAR SIZE	LAP LENGTH	COG LENGTH
N12	500	180
N16	650	210
N20	800	260
N24	1000	310
N28	1150	360
N32	1300	400
N36	1450	450

STEELWORK

S1. Ensure materials, fabrication and erection are in accordance with Steel Structure - AS4100 and Welding - AS1554 and the specification.
S2. Submit three copies of all workshop drawings to the Architect and the Engineer to obtain their written approval prior to fabrication.
S3. Unless noted otherwise;
Use 10mm thick gusset, fin & end plates welded all round.
All welds 6mm continuous fillet made with E49XX electrode or W50X
All bolts 20mm dia.
All bolts grade 8.8/s. (including purlin / girt bolts)
All holding down bolts are grade 4.6 U.N.O
All bolts, including holding down bolts are to be hot dip galvanized.
All fillet welds to be category GP.
Butt weld all flanges at end plates and at all mitre cuts. Gussets to end plates to be butt welded. All butt welds shall be full penetration, grade SP.
All connections to have a minimum of 2 bolts.
Studs fabricated to AS1554.2
All shear studs (composite slab to steel) grade 410 MPa.
All threaded studs (steel to steel) grade 380 MPa.
Turnbuckles to be quality grade `S' to AS2319
Stainless Steel to be Grade 316

S4. Bolting categories are identified on the drawings in the following manner;
4.6/S Commercial bolts of grade 4.6 snug tightened.
8.8/S High strength bolts of grade 8.8 snug tightened.
8.8/TB High strength bolts of grade 8.8 fully tensioned to AS4100 as a bearing type joint
8.8/TF High strength bolts of grade 8.8 fully tensioned to AS4100 as a friction type no slip joint
Note: Grade 8.8 bolts are NOT to be welded

S5. Leave mating surfaces of TF connections unpainted (no galvanising) and free of mill scale and rust.
S6. Tighten bolts in TF and TB connections using the part turn method or load indicating washers. Do not use calibrated torque wrenches. Use a hardened washer under the bolt head or nut, whichever is rotated. The re-use of fully tensioned bolts is prohibited.
S7. Provide all cleats and drill all holes necessary for fixing steel to steel or timber.
S8. Fabricate steel beams and trusses spanning greater than 5m with an upward pre camber of 1/500 span u.n.o.
S9. Prepare structural steelwork to class 2 and paint with Zinc Phosphate Primer to a thickness of 70 micrometres U.N.O
S10. Hot dip galvanise all exposed external steelwork and all steelwork built into an external masonry skin, in accordance with grade **HDG600** to AS/NZS2312. Within 100m from the non-surf coast or 1 km from the surf coast, hot dip galvanise above in accordance with grade **HDG900** to AS/NZS2312.
S11. Chip all welds free of slag.
S12. Contractor is to confirm with Architect as to where exposed welds are to be ground flush / smooth
S13. Provide temporary bracing to maintain stability of steelwork during construction
S14. Do not grout under base plates until steelwork over is plumb and fixed by welding or bolting.
S15. Provide fire protection to all steelwork as required to the architectural specification.
S16. Unless noted otherwise, the fixing of purlins, girts, bridging, sheeting and any other component shall be in accordance with the Manufacturer's specification and recommendations.
S17. Bridging shall be designed and erected in accordance with the Manufacturer's requirements. Rod bridging is not acceptable unless approved in writing.
S18. Sheeting / cladding is to be screw fixed to the purlins in accordance with the Manufacturer's specification
S19. Provide double purlins at expansion joints in roof sheeting
S20. For bridging members to purlins at curved roof areas provide bridging suitable for curved roofs to Manufacturer's specification

S21. Steel Type and Grade unless noted otherwise;

Type of Steel	Grade
UC, UB, WC, WB, PFC	300
BT, CT	300
SHS, RHS	350
CHS	250 or 350
EA, UA	300
Rods, Flats	250
Plate	250
Purlin and Girts	450

NOTE: Ensure all cold formed sections conform to AS4600 and are roll-formed from steel strip, minimum yield stress 450 MPa, 300g/m minimum zinc coating mass U.N.O.

CHEMICAL ANCHORS

All chemical anchors for threaded fixings or reinforcement, shall be HILTI HAS-U anchors + HIT HY200 V4 injection mortar U.N.O All holes should be drilled and cleaned and installed in strict accordance with the manufacturer's instructions

All threaded chemical anchors shall be hot dip galvanised unless noted otherwise:
M12 100 min embedment, 60 min edge distance, 60 min spacing
M16 125 min embedment, 80 min edge distance, 80 min spacing
M20 170 min embedment, 100 min edge distance, 100 min spacing

SPECIFICATION FOR PAINT SYSTEMS (ALTERNATIVE TO HOT-DIP-GALVANISING):

Provide all external steelwork with the following corrosion protection systems as designated within AS2312.1 or consult the paint supplier to achieve a minimum 25 years to first maintenance within the appropriate corrosivity category . Where steelwork is exposed to a more aggressive environment, consult the structural engineer and paint supplier

LOCATION	CORROSIVITY CATEGORY	PAINT SYSTEMS DESIGNATIONS (AS2312.1)
Exposed external steelwork, greater than 1km from a surf coast or greater than 100m from a non-surf coast	C3	ACC6, EHB6, IZS3, IZS4, PSL2, PSL3, PUR5
Exposed external steelwork, less than 1km from a surf coast or less than 100m from a non-surf coast	C4	ACC6, EHB6, PSL2, PUR5

TIMBER

T1. Ensure all workmanship and materials are in accordance with AS1720 andAS1684, the SAA Standards cited in AS1720, AS1684 and the specification.
T2. Provide all internal timber as undressed and seasoned MGP10 u.n.o Provide all external timber as undressed hardwood u.n.o
T3. Where the use of treated pine for durability is noted on the structural drawings, ensure it complies with the following, in accordance with AS1684 and AS1604:

TREATMENT	APPLICATIONS
H2	Interior, above ground
H3#	Exterior, coastal, above ground and protected Exterior, non-coastal, above ground and exposed
H4#	Exterior, coastal, above ground and exposed Exterior, non-coastal, in ground
H5#	Exterior, coastal, in ground Submerged in freshwater
H6#	Submerged in saltwater

Engineered wood products such as LVL and Glulam are not to be used in external/exposed applications unless specifically approved by the engineer or in strict accordance with the manufacturer's recommendations

T4. Install proprietary timber connectors in accordance with the manufacturer's written instructions.
T5. Retighten bolted connections in unseasoned timber prior to the fixing of cladding.
T6. Timber elements or timber framing have not been designed unless noted.
T7. Provide all new construction with protection from subterranean termites in accordance with AS3660.1-1995. Provide the protection system or systems as specified by the architect.

T8. Submit three copies of all truss workshop drawings to the Engineer for checking prior to fabrication. All trusses to be pre-cambered upward 1/240 span u.n.o.
T9. For bushfire prone areas, use timber species classified as "fire-retardant-treated timbers" in accordance with AS3959 2009, ie. untreated Blackbutt, Kwila (Merbau), Red Iron Bark, River Red gum, Silver Top ash, Spotted Gum or Turpentine.

ALL TIMBER CONNECTIONS, TIE DOWNS BRACING AND TIMBER SIZES NOT NOMINATED ARE TO BE IN STRICT ACCORDANCE WITH AS1684 RESIDENTIAL TIMBER-FRAMED CONSTRUCTION CODE ALL TIE DOWNS TO BE DESIGNED FOR ULTIMATE LIMIT STATE GUST WIND SPEED OF 40 m/s (CATEGORY N2 AS DETERMINED FROM AS4055 - WIND LOADS FOR HOUSING)

TENDER NOTES

TN1. To determine the full extent of work, read these drawings in conjunction with the architectural drawings and other contract documents. Allow for all items shown on architectural and other drawings as not all items are shown on the structural drawings.
TN2. Should any ambiguity, error, omissions, discrepancy, inconsistency or other fault exist or seem to exist in the documents, immediately notify the superintendent in writing.
TN3. Rates shown on the drawings are for the final structure in place and do not allow for any wastage, rolling margins, over supply or fabrication requirements. etc.
TN4. These drawings are preliminary drawings issued for tender as an indication of the extent of works only. They are not a complete construction set of drawings.

Rev.	Issue/Amendment	By	App.	Date
T1	FOR TENDER	R.R.	J.B.	16.07.2026

PARTRIDGE

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CONSTRUCTION NOTES

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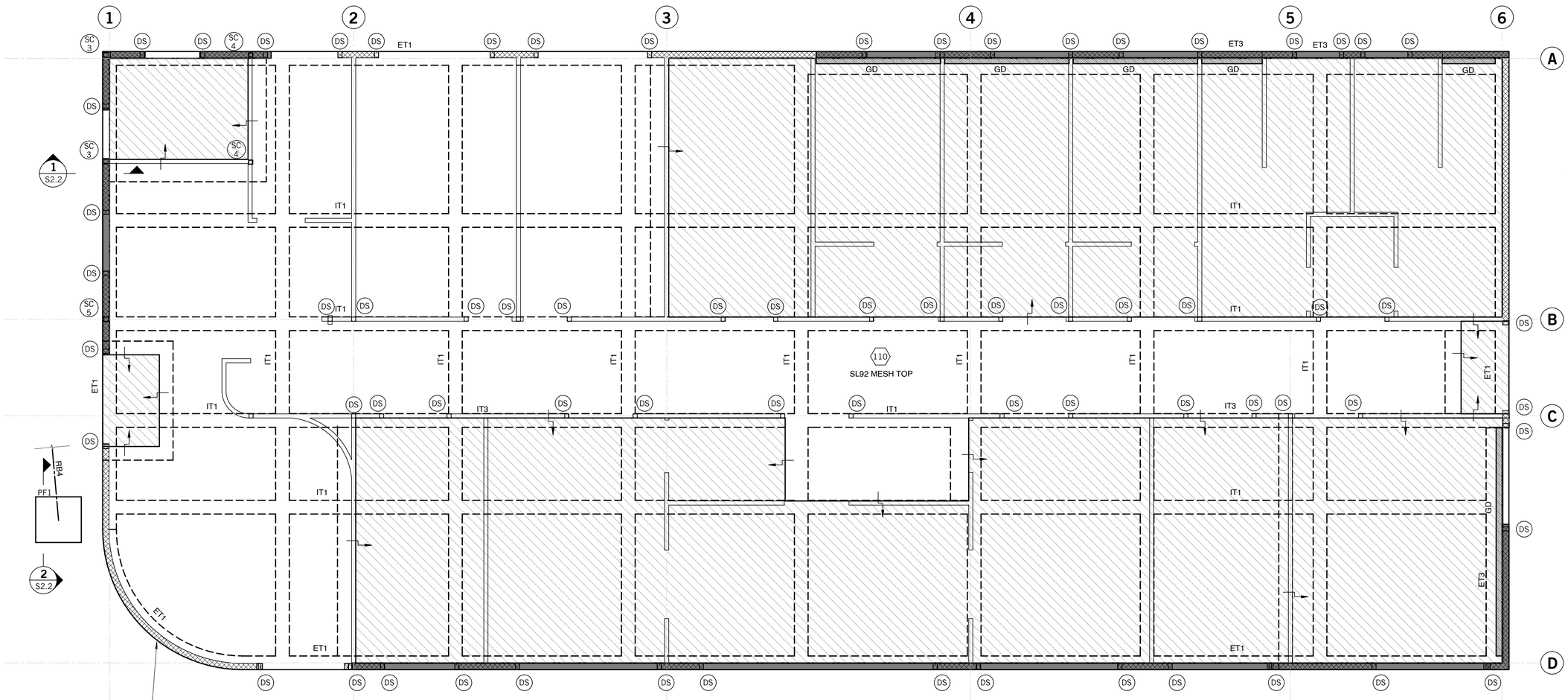
Job No. **2024S0498**
Scale at A1 **1 : 1**
Drawing No. **S1.2**
Revision **T1**
Date **NOV. 2024**
Designed **M.R.**
Drawn **R.R.**

FOR TENDER NOT FOR CONSTRUCTION

REFER TO DRAWING No. S1.2 FOR CONSTRUCTION NOTES



LEGEND

150	-	DENOTES SLAB THICKNESS
SC 1	-	DENOTES COLUMN/POST STARTS OVER REFER MEMBER SCHEDULE
	-	DENOTES 90 x 45 MGP10 STUDS AT 450 CTS
	-	DENOTES 140x45 MGP10 STUDS AT 450 CTS
	-	DENOTES HOB LOCATION
N.S.O.P.	-	DENOTES NOT SHOWN ON PLAN
T.B.C.O.S.	-	DENOTES TO BE CONFIRMED ON SITE
U.N.O.	-	DENOTES UNLESS NOTED OTHERWISE
GD	-	DENOTES 130 WIDE DRAIN
	-	DENOTES STEPDOWN, REFER TO S2.3 FOR STEPDOWN DETAILS IN BEAMS AND PANELS. REFER TO ARCHITECTURALS.

NOTE: REFER TO SHEET 5.1 FOR EXTERNAL WORKS PLAN

GROUND LEVEL COLUMN SCHEDULE

MARK	DESCRIPTION	SIZE
DS	DOUBLE STUD	-
SC3	STEEL COLUMN	150x100RHS5. PORTAL
SC4	STEEL COLUMN	89SHS5
SC5	STEEL COLUMN	100SHS9

GROUND LEVEL BEAM SCHEDULE

MARK	DESCRIPTION	SIZE
ET1	EDGE THICKENING	500mm (D) x 300mm (W)
ET3	EDGE THICKENING	500mm (D) x 500mm (W)
IT1	INTERNAL THICKENING	500mm (D) x 300mm (W)
RB4	STEEL BEAM	150x100RHS5

FOOTING SCHEDULE

MARK	DESCRIPTION	SIZE	REINFORCEMENT
PF1	PAD FOOTING	1000x1000x 500mm DEEP.	N12-200 U BARS BOTTOM EACH WAY

N

GROUND FLOOR SLAB AND FOOTING PLAN

SCALE 1 : 50

110 THICK SLAB U.N.O.

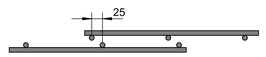
REINFORCE ALL SLABS WITH **SL92** IN TOP THROUGHOUT, UNLESS NOTED OTHERWISE, WITH EXTRA REINFORCEMENT TRIMMERS AS NOTED ON PLAN.

THESE SLABS HAVE BEEN DESIGNED TO CLASS **M** SITE CLASSIFICATION IN ACCORDANCE WITH AS2870 - RESIDENTIAL SLABS AND FOOTINGS CODE FOR **CLAD FRAME.**

THESE SLABS HAVE NOT BE DESIGNED OR DETAILED FOR AN IN-SLAB HYDRONIC HEATING SYSTEM OR FOR A POLISHED CONCRETE FINISH. CONTACT THE ENGINEER FOR A REDESIGN AND INSTRUCTION IF EITHER IS TO BE FEATURED IN THESE SLABS.

SLAB ON GROUND NOTES

1. CAST ALL SLABS ON A "CROMFORD" 0.2 THICK HIGH-IMPACT RESISTANT POLYETHYLENE FILM DAMP PROOF MEMBRANE, OR APPROVED EQUIVALENT, OVER 20 MINIMUM; 50 MAXIMUM SAND COMPACTED BY WETTING.
2. REINFORCE ALL SLABS AS NOTED ON PLAN.



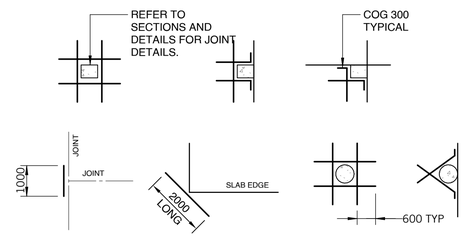
MESH LAP DIAGRAM

GROUND PREPARATION:

1. REMOVE ALL TOPSOIL AND ORGANIC MATERIAL. IF SOFT AND/OR WET CONDITIONS ARE ENCOUNTERED THE SUBGRADE IS TO BE INSPECTED BY THE SUPERVISING ENGINEER AND THEIR WRITTEN INSTRUCTIONS RECEIVED PRIOR TO PROCEEDING.

2. DIG OUT ANY SOFT SPOTS AND REPLACE WITH FILL.

3. PROVIDE "CONTROLLED FILL" OR "ROLLED FILL" COMPACTED IN ACCORDANCE WITH AS2870, PART 6.4.2.



TYPICAL RE-ENTRANT CORNER

ALL TRIMMERS TO BE 2N12-100 U.N.O.

TYPICAL SLAB ON GROUND TRIMMER DETAILS

AT ALL COLUMNS, WALLS, PITS, FLOOR WASTES, ETC THAT CAUSE A PENETRATION THROUGH THE SLAB.

SCALE 1:100

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Title
GROUND FLOOR SLAB & FOOTING PLAN

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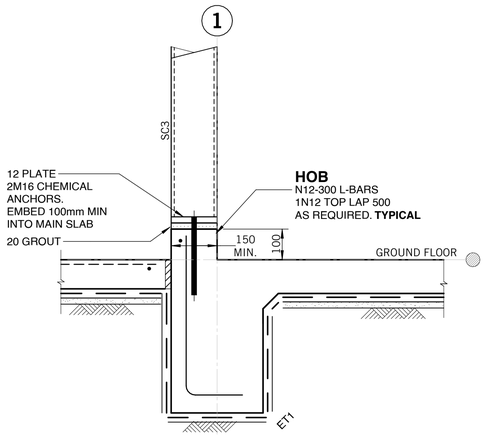
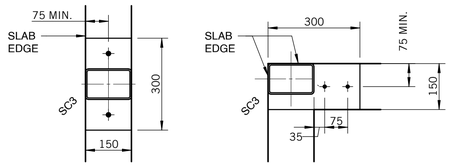
Job No. **2024S0498**	Scale at A1 **As indicated**
Drawing No. **S2.1**	Revision **T1**
Date **NOV. 2024**	Designed **M.R.** / Drawn **R.R.**

FOR TENDER NOT FOR CONSTRUCTION



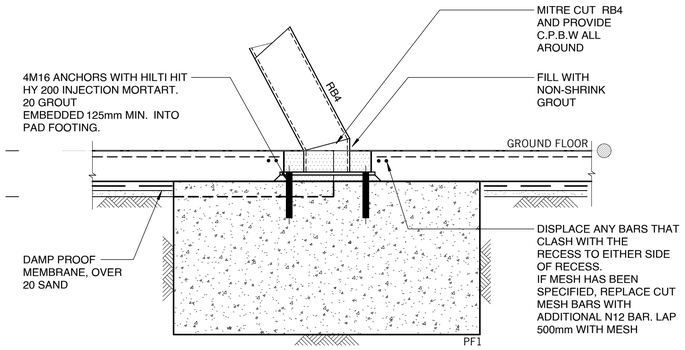
SECTION 1 / S2.1
1 : 10



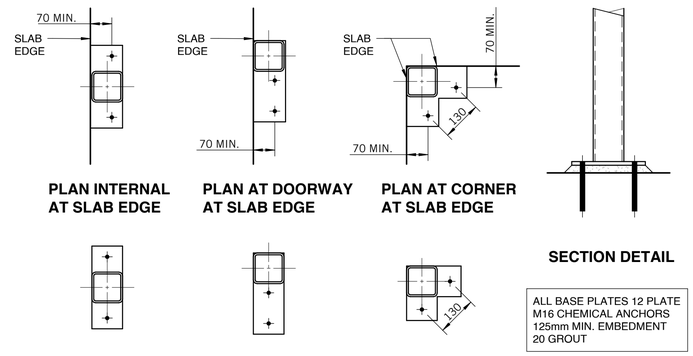
PLAN INTERNAL AT SLAB EDGE

PLAN AT CORNER AT SLAB EDGE

SC3 BASE PLATE DETAILS
SCALE 1 : 10



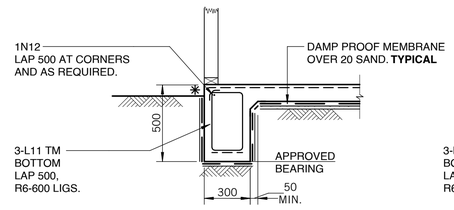
SECTION 2 / S2.1
1 : 10



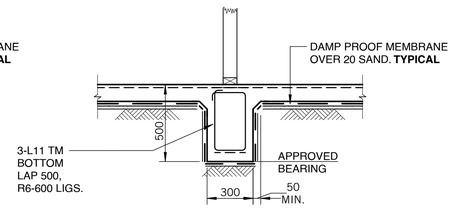
ALL BASE PLATES 12 PLATE
M16 CHEMICAL ANCHORS
125mm MIN. EMBEDMENT
20 GROUT

NOTE: WHERE COLUMN FIXES INTO HOB. EMBED 100mm MIN INTO MAIN SLAB

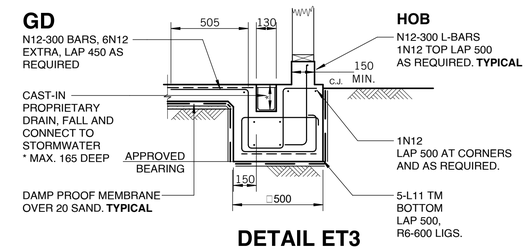
COLUMN BASE PLATE DETAILS
SCALE 1 : 10



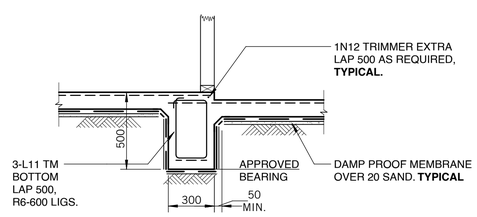
DETAIL ET1
✳ PROVIDE 75 EXPOSED CONCRETE IF NEEDED FOR TERMITE PROTECTION.



DETAIL IT1

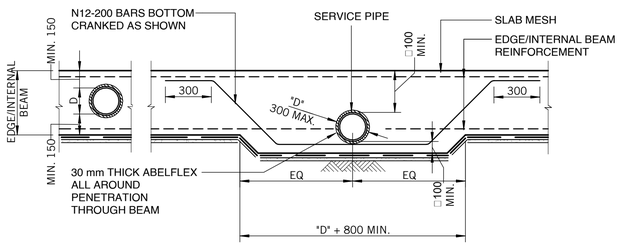


DETAIL ET3

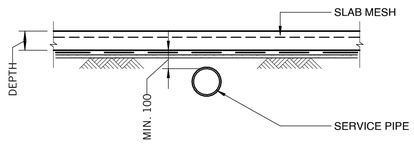


DETAIL IT3

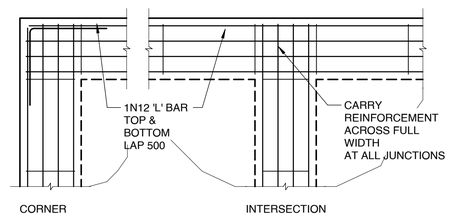
PROVIDE BLINDING CONCRETE BELOW THE' IT' AND 'ET' MEMBERS AS REQUIRED TO EACH THE NATURAL SILTY CLAY



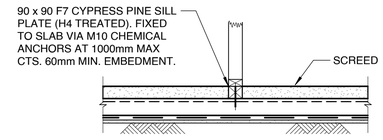
TYPICAL SERVICES PENETRATION DETAIL
SCALE 1 : 20



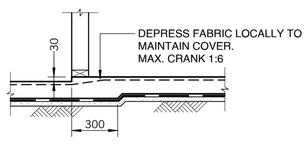
TYPICAL SERVICES UNDER SLAB DETAIL
SCALE 1 : 20



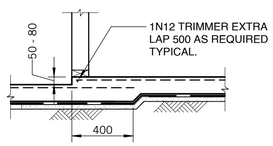
STANDARD RAFT FOOTING JUNCTION
SCALE 1 : 20



INTERNAL STUD WALL SCREED DETAIL
SCALE 1 : 20



SLAB SETDOWN DETAIL
SCALE 1 : 20



SLAB SETDOWN DETAIL
SCALE 1 : 20

Rev.	Issue/Amendment	By	App.	Date
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Title
GROUND FLOOR SLAB & FOOTING PLAN DETAILS AND SECTIONS

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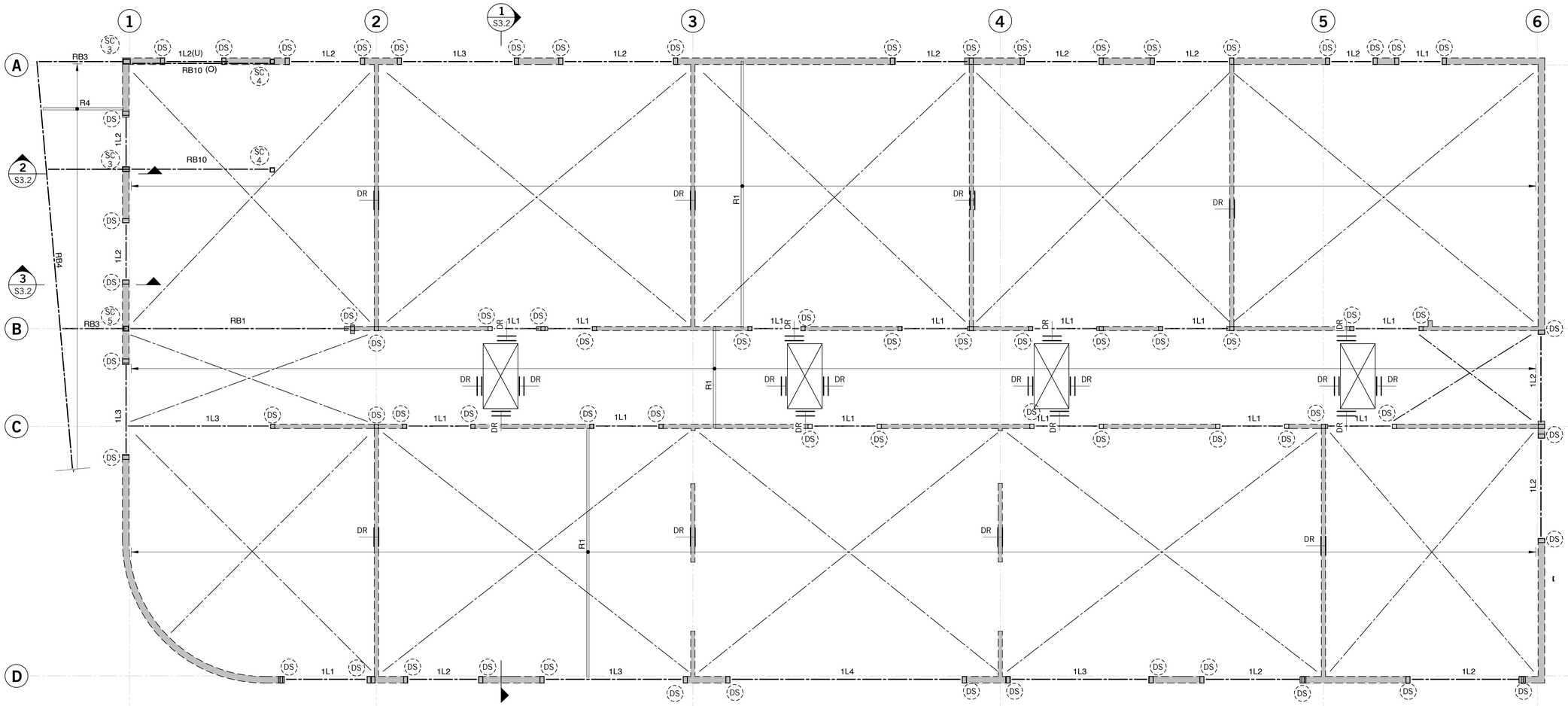
Job No.	Scale at A1
2024S0498	As indicated
Drawing No.	Revision
S2.2	T1
Date	Designed / Drawn
NOV. 2024	M.R. / R.R.

FOR TENDER NOT FOR CONSTRUCTION

REFER TO DRAWING No. S1.2 FOR CONSTRUCTION NOTES



LEGEND

- (150) - DENOTES SLAB THICKNESS
- (SC 1) - DENOTES COLUMN/POST STARTS OVER REFER MEMBER SCHEDULE
- (SC 1) - DENOTES COLUMN/POST TERMINATES UNDER REFER MEMBER SCHEDULE
- DENOTES LOAD BEARING WALLS UNDER
- N.S.O.P. - DENOTES NOT SHOWN ON PLAN
- T.B.C.O.S. - DENOTES TO BE CONFIRMED ON SITE
- U.N.O. - DENOTES UNLESS NOTED OTHERWISE
- DOUBLE TIMBER BEAMS/JOIST/RAFTER REFER VERTICAL LAMINATION DETAIL
- DENOTES PROVIDE 30 x 0.8 GALVANISED HOOP IRON BRACING EQUAL TO PRYDA SB083/30. WRAP AROUND END RAFTERS AND FIX EACH WITH 3/3.15 DIA X 45 LONG GALVANISED FLAT HEAD NAILS TO TIMBER RAFTERS OR 2-12G TEK SCREWS TO STEEL RHS RAFTERS

NOTE: ALL LOAD BEARING WALLS AND BRACED WALLS TO BE TIED INTO ROOF STRUCTURE.

N

ROOF FRAMING PLAN

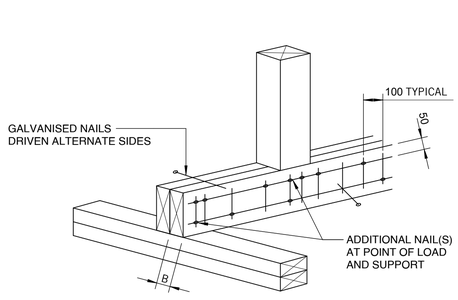
SCALE 1 : 50

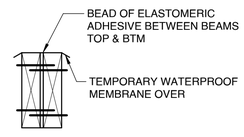
LOWER ROOF COLUMN SCHEDULE

MARK	DESCRIPTION	SIZE
DS	DOUBLE STUD	-
SC3	STEEL COLUMN	150x100RHS5. PORTAL
SC4	STEEL COLUMN	89SHS5
SC5	STEEL COLUMN	100SHS9

LOWER ROOF BEAM SCHEDULE

MARK	DESCRIPTION	SIZE
1L1	TIMBER LINTEL	2/130 x 45 SMART LVL 13.
1L2	TIMBER LINTEL	2/150 x 45 SMART LVL 13.
1L3	TIMBER LINTEL	2/170 x 45 SMART LVL 13.
1L4	TIMBER LINTEL	2/300 x 45 SMART LVL 13.
R1	RAFTERS	240 x 45 SMART LVL 13 @600 CTS. PROVIDE SOLID BLOCKING AT THIRD POINTS.
R4	RAFTERS	90 x 45 MGP10 @600 CTS. H3 TREATED.
R5	RAFTERS	140 x 45 MGP10 @600 CTS. H3 TREATED.
RB1	TIMBER BEAM	2/300 x 45 SMART LVL 13.
RB3	STEEL BEAM	150x100RHS5
RB4	STEEL BEAM	150x100RHS5
RB10	STEEL BEAM	200PFC





SECTION SIZE B	NAIL SIZE MIN.	NAIL LENGTH MIN.
35mm	3.06mm	75mm
42mm	3.30mm	90mm
58mm	3.30mm	100mm

VERTICAL LAMINATION DETAIL

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Title
ROOF FRAMING PLAN

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2024S0498	As indicated
Drawing No.	Revision
S3.1	T1
Date	Designed / Drawn
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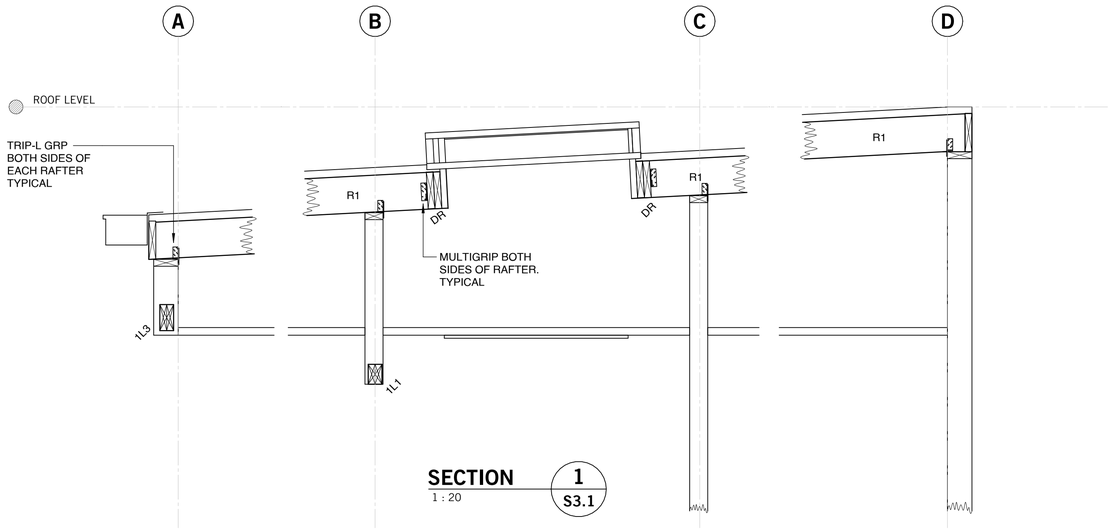
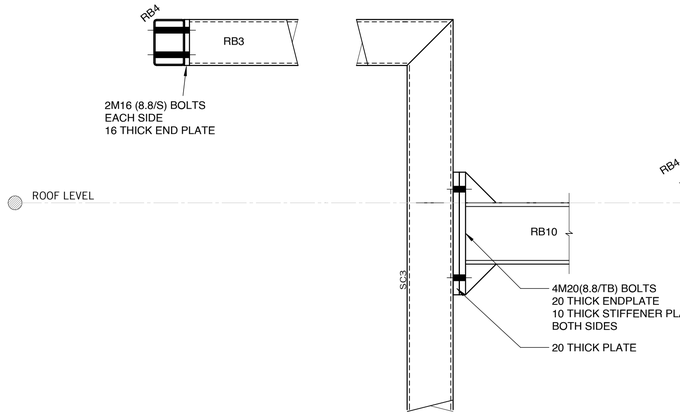
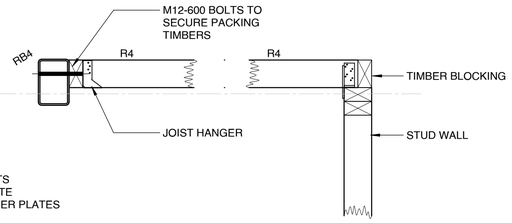


SECTION 1 — S3.1
1 : 20



SECTION 2 — S3.1
1 : 10



TYPICAL RAFTERS TO STUD WALL/STEEL BEAM DETAIL

SECTION 3 — S3.1
1 : 10

Rev.	Issue/Amendment	By	App.	Date
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Title
ROOF LEVEL DETAIL AND SECTIONS

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Job No. **2024S0498**	Scale at A1 **As indicated**
Drawing No. **S3.2**	Revision **T1**
Date **NOV. 2024**	Designed **M.R.** / Drawn **R.R.**

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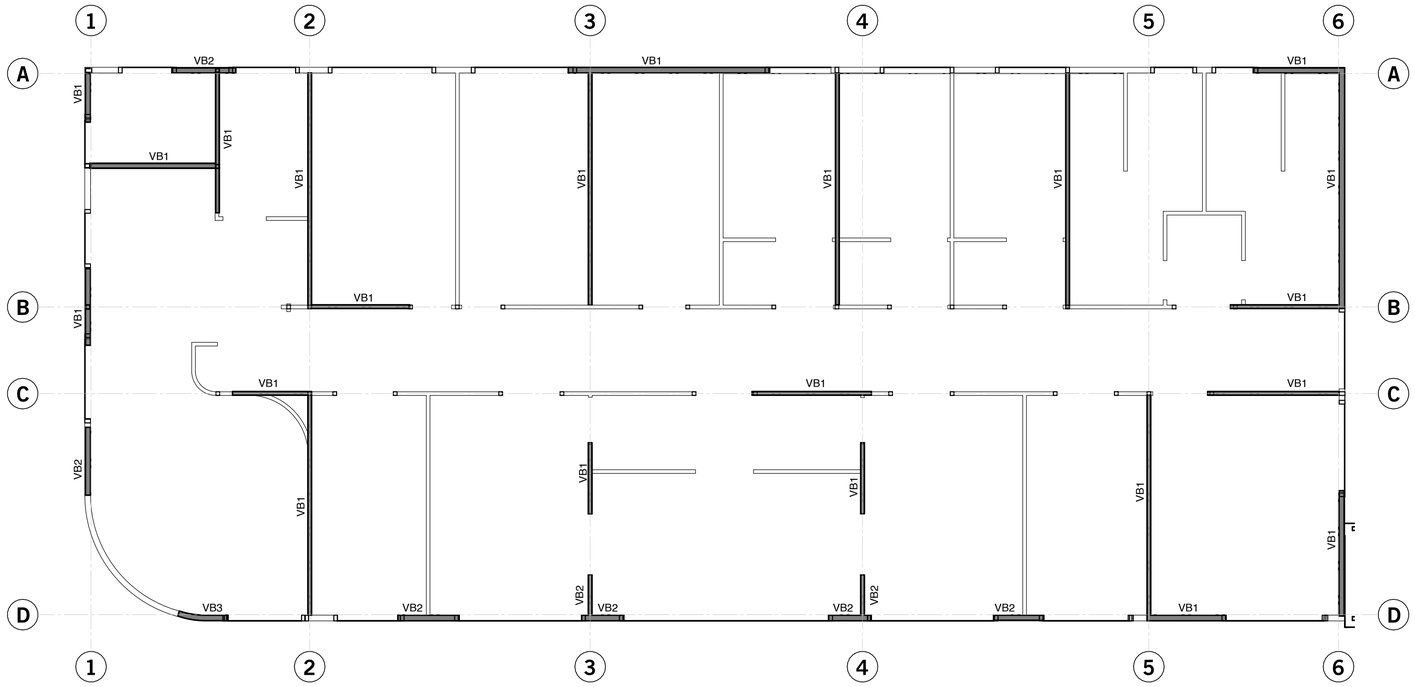
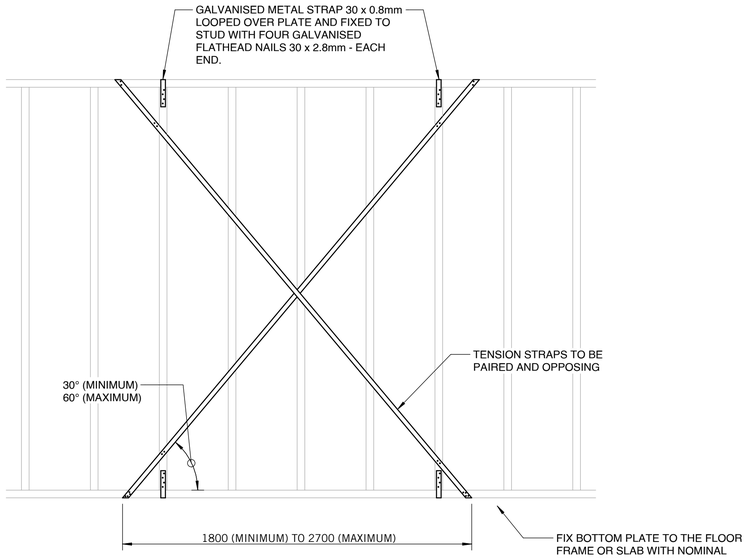
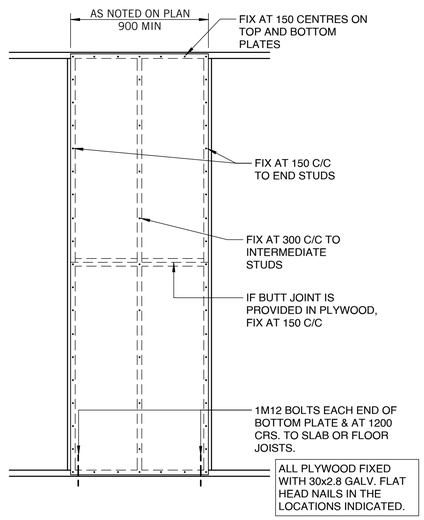


GROUND FLOOR BRACING PLAN
SCALE 1 : 75



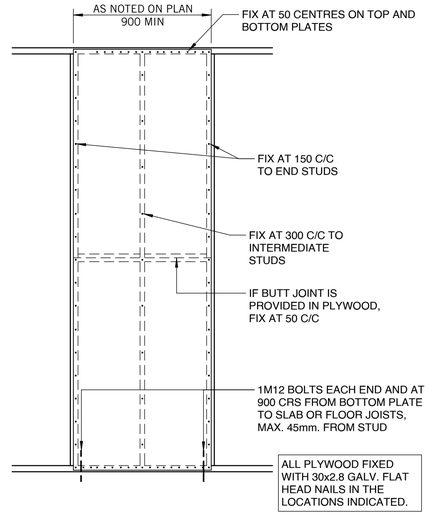
30 x 0.8mm GALVANISED METAL STRAPS:
- PROVIDE 2/30 x 3.15mm GALVANISED FLAT HEAD NAILS TO EACH STUD,
- PROVIDE 4/30 x 3.15mm GALVANISED FLAT HEAD NAILS TO EACH PLATE.
- STRAPS MUST BE PROPERLY TENSIONED AND STRAP MUST RETURN OVER TOP PLATE AND UNDER BOTTOM PLATE THE STUD NEAREST TO EACH END OF EACH DIAGONAL STARP SHALL BE FIXED TO THE PLATE WITH STRAPS OF FRAMING ANCHORS 4/30 2.8 NAILS EACH END.

'VB1' DIAGONAL METAL TENSION STRAP BRACING (3.0kN/m)
SCALE 1 : 20



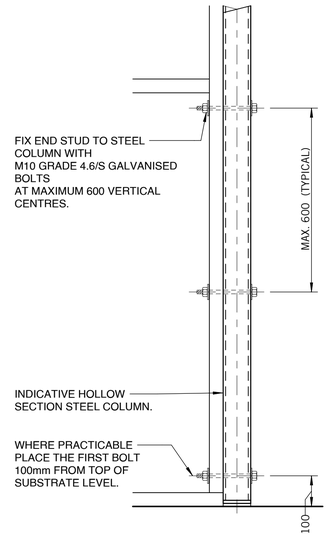
4mm F14 PLYWOOD OR 4.5mm F11 PLYWOOD FOR 450 STUD SPCAING.

'VB2' PLYWOOD BRACING PANEL (3.4kN/m)
SCALE 1 : 20



4mm F14 PLYWOOD OR 6mm F11 PLYWOOD FOR 450 STUD SPCAING.

'VB3' PLYWOOD BRACING PANEL (6.0kN/m)
SCALE 1 : 20



STUD TO STEEL COLUMN FIXING DETAIL
SCALE 1 : 10

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Title
WALL BRACING PLAN AND DETAILS

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Job No. **2024S0498**	Scale at A1 **As indicated**
Drawing No. **S4.1**	Revision **T1**
Date **NOV. 2024**	Designed **M.R.** / Drawn **R.R.**

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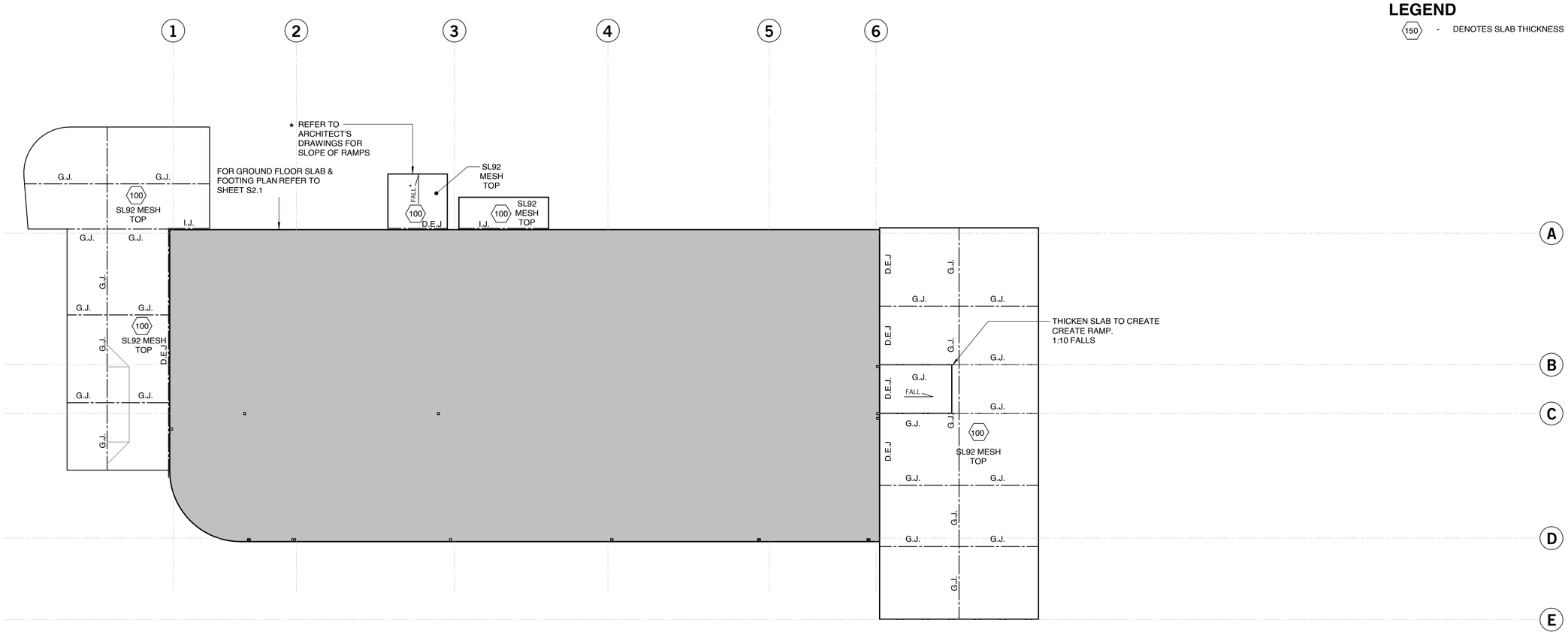
REFER TO DRAWING No. S1.2 FOR CONSTRUCTION NOTES

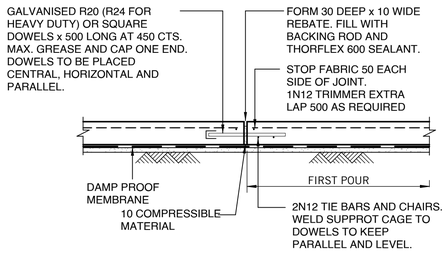
LEGEND

(150) - DENOTES SLAB THICKNESS



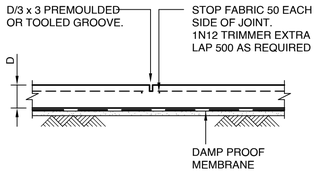
EXTERNAL WORKS PLAN

SCALE 1 : 100



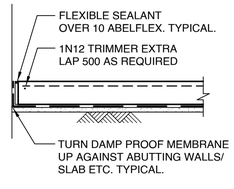
DOWELLED EXPANSION JOINT DETAIL - DEJ

SCALE 1:20



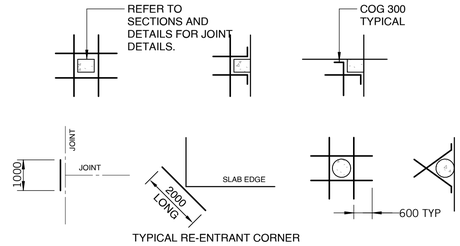
GROOVE JOINT DETAIL - GJ

SCALE 1:20



ISOLATION JOINT - IJ AT EDGE OF SLAB

SCALE 1:20



TYPICAL SLAB ON GROUND TRIMMER DETAILS

AT ALL COLUMNS, WALLS, PITS, FLOOR WASTES, ETC THAT CAUSE A PENETRATION THROUGH THE SLAB.

SCALE 1:100

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EXTERNAL WORKS SITE PLAN

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S5.1	T1
Date	Designed / Drawn
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