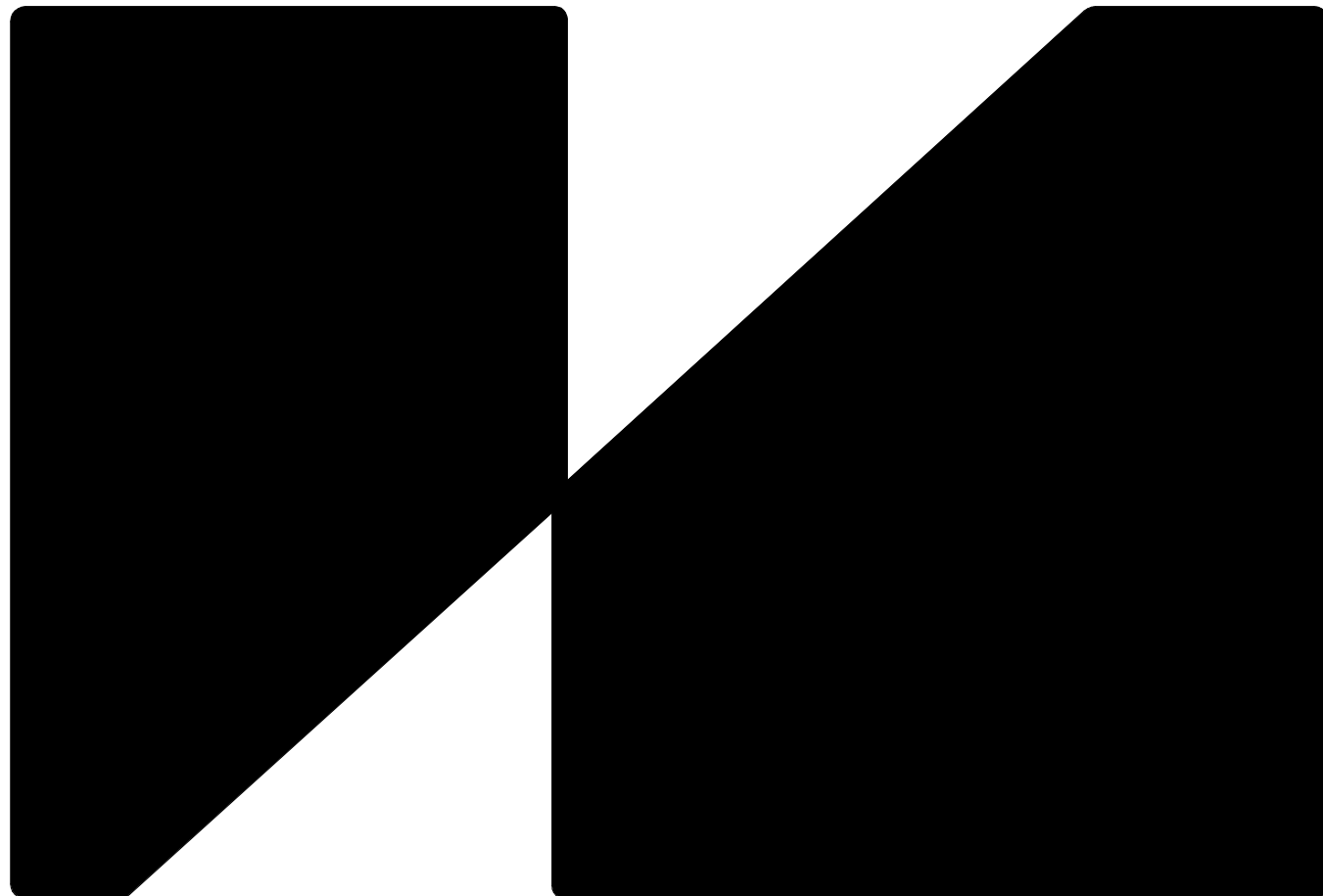


APD 300D StormSlab® TANKS  
CLASS M SOILS  
THREE STOREY



**Structural Drawings**  
Project No 7527-M(3)-300D





**NOTES:**

1. REFER TO ARCHITECT'S DRAWINGS FOR BOUNDARY LINE SURVEY INFORMATION
2. REFER TO ARCHITECTURAL DRAWINGS FOR SETOUT
3. REFER TO ARCHITECTURAL DRAWINGS FOR ALL TIMBER FRAMING
4. REFER BELOW FOR CONCRETE STRENGTH
5. CONTRACTOR TO CONFIRM LOCATION OF EXISTING SERVICES WITH ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION
6. FOR REBATES & NIBS LOCATIONS REFER ARCH
7. REFER ARCH FOR SITE RETAINING WALLS

**GENERAL NOTES:**

REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, LEVELS, SETDOWNS, NIBS, REBATES, NOTES, ROUGH FLOORS/WALLS, AND ALL OTHER SETTING OUT DETAILS, UNLESS OTHERWISE SPECIFIED.  
1. ALL STRUCTURAL STEEL TO BE CONSTRUCTION CATEGORY 2 IN L DIMENSIONS ACCORDANCE WITH AS/NZS 5131:2016/ORKS.

DO NOT SCALE DRAWINGS.

THIS DRAWING SET CONTAINS COLOUR. ALL REPRODUCTION TO BE IN COLOUR.

**MAX UDL AND POINT LOADS AT PERIMETER FOOTING**

WALL: G = 12.45KN/M (BRICK VENEER)  
G = 3.24KN/M (WEATHER BOARD)

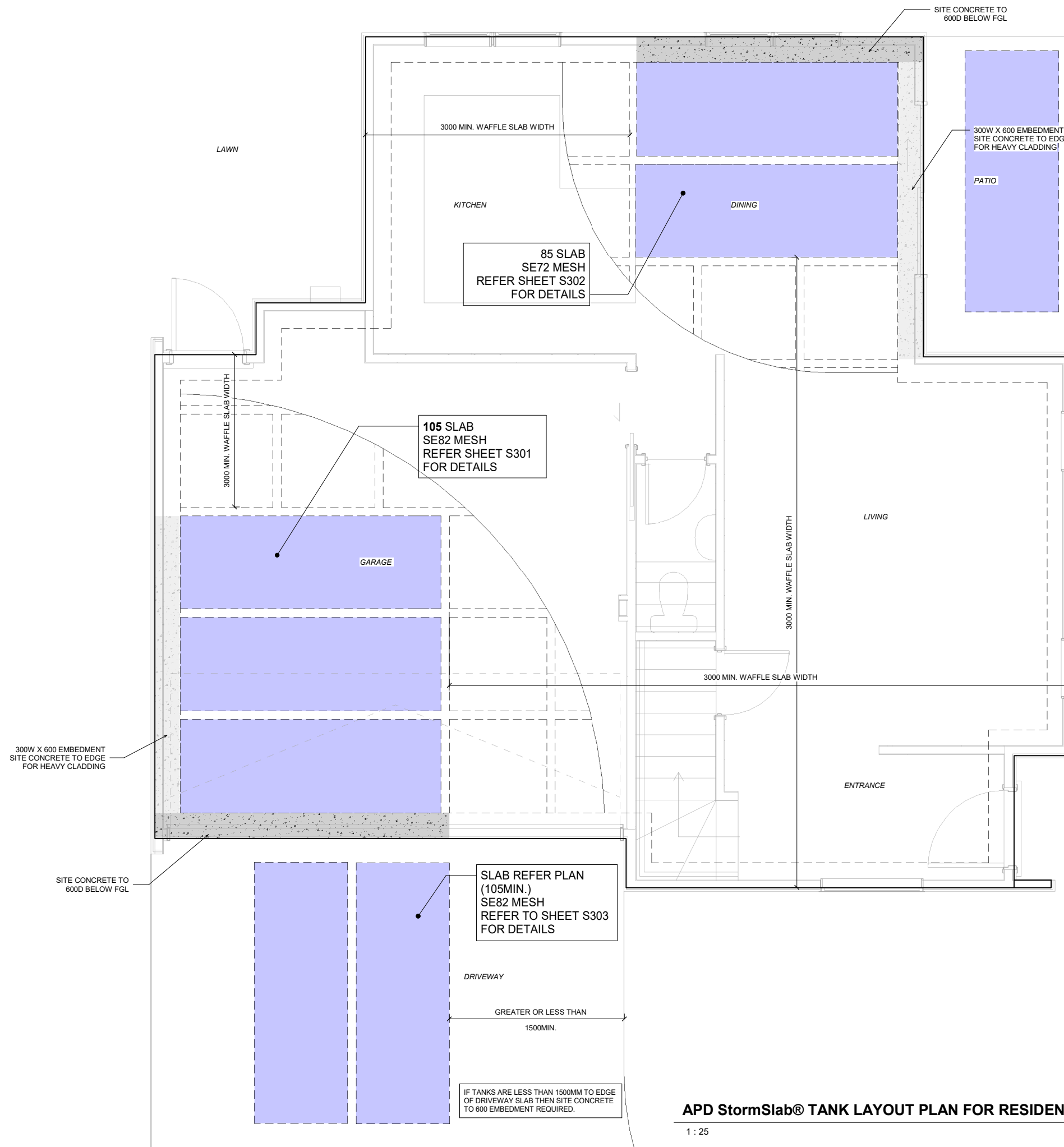
FLOOR: G = 3KN/M  
Q = 7.5KN/M

ROOF: G = 1.35KN/M  
Q = 0.75KN/M

GARAGE & DRIVEWAY:  
G<sub>SDL</sub> = 0.25KPA  
Q = 2.5KPA  
Q<sub>PL</sub> = 12KN

**CONCRETE STRENGTH:**

20MPA  
25MPA WITHIN SEASPRAY ZONE  
30MPA WITHIN EXPOSURE CLASSIFICATION B2



**APD StormSlab® TANK LAYOUT PLAN FOR RESIDENTIAL SLABS**

1 : 25

REV	DATE	AMENDMENT
A	08/08/2025	FOR BUILDING CONSENT

**APD 300D StormSlab® TANKS**  
**CLASS M SOILS THREE STOREY**

CLIENT



ARCHITECT

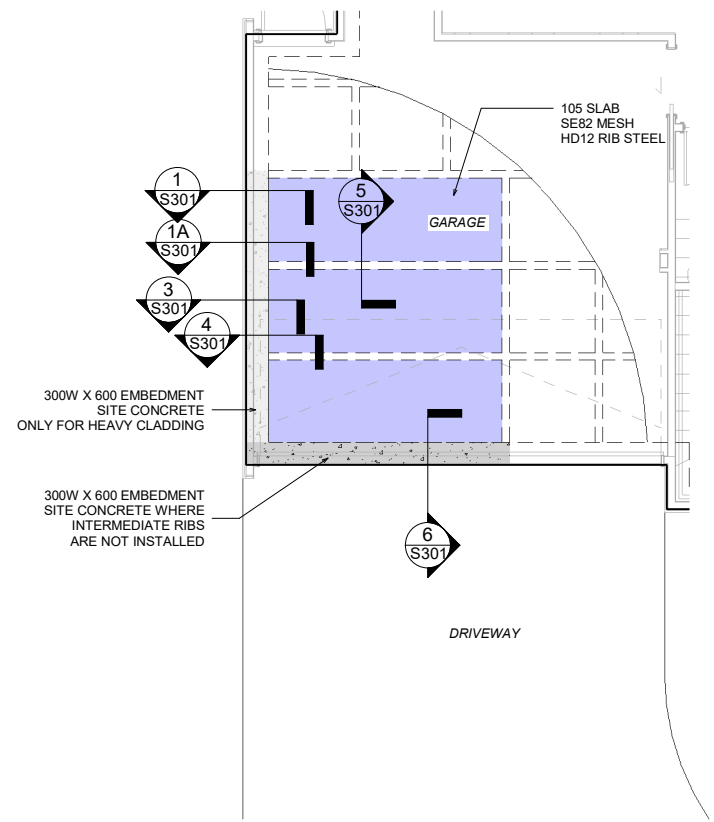
**FOUNDATION PLAN WITH APD StormSlab®**

CHECKED	APPROVED
AH	
DESIGNED	DRAWN

PROJECT NO.	SCALE
7527-M(3)-300D	As indicated
DRAWING NO.	REVISION
S101	A

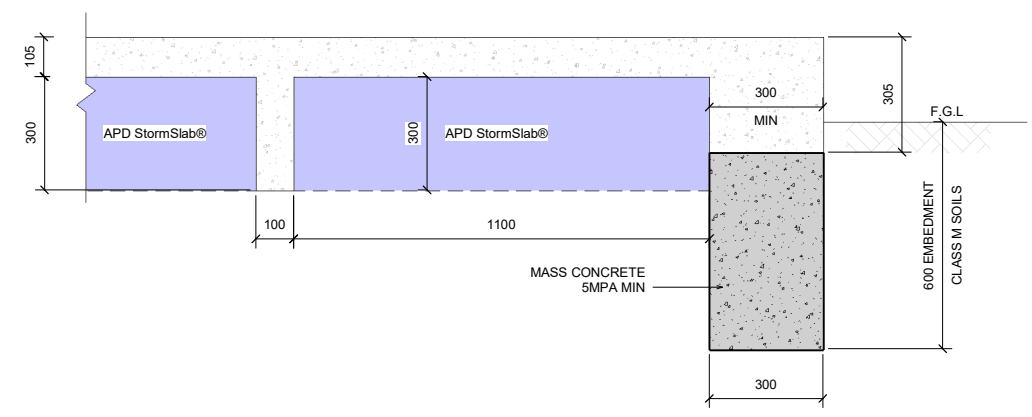
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1. ALL STRUCTURAL STEEL TO BE CONSTRUCTION CATEGORY 2 IN L DIMENSIONS ACCORDANCE WITH AS/NZS 5131:2016/ORKS.

DO NOT SCALE DRAWINGS.  
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**RESIDENTIAL GARAGE SLAB WITH APD StormSlab®**

1 : 50

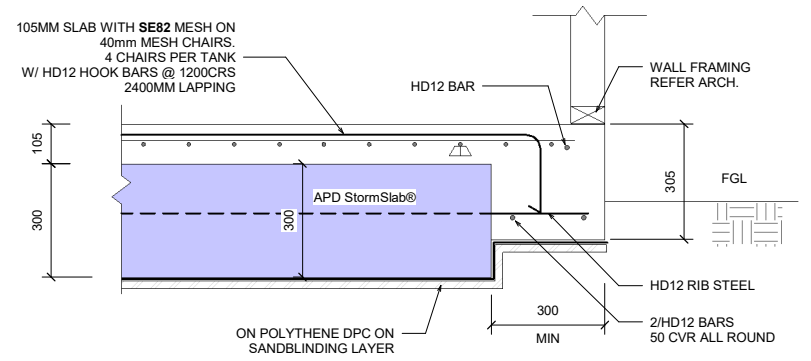
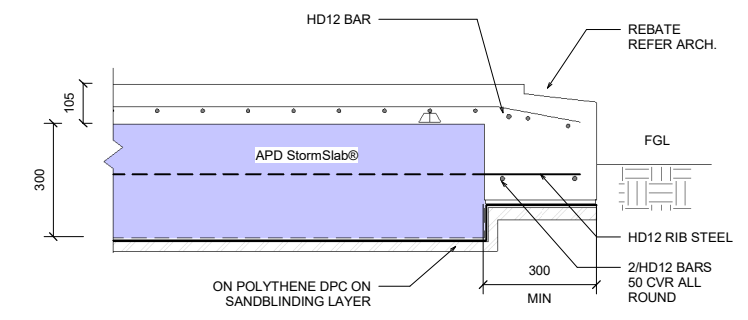


**RESIDENTIAL GARAGE SLAB INSTALLATION WITH APD StormSlab®**

1 : 10

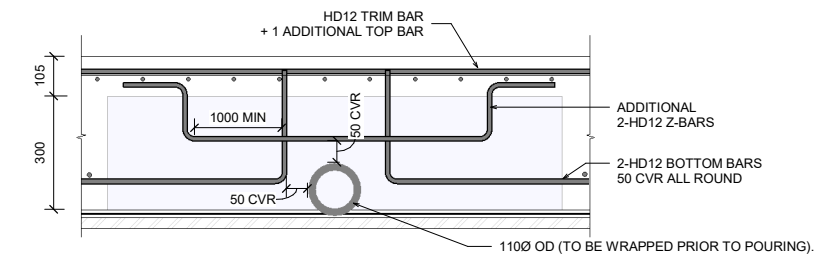
**0 GARAGE SLAB - EDGE RIB WITH REBATE (WHERE APPLICABLE)**

1 : 10

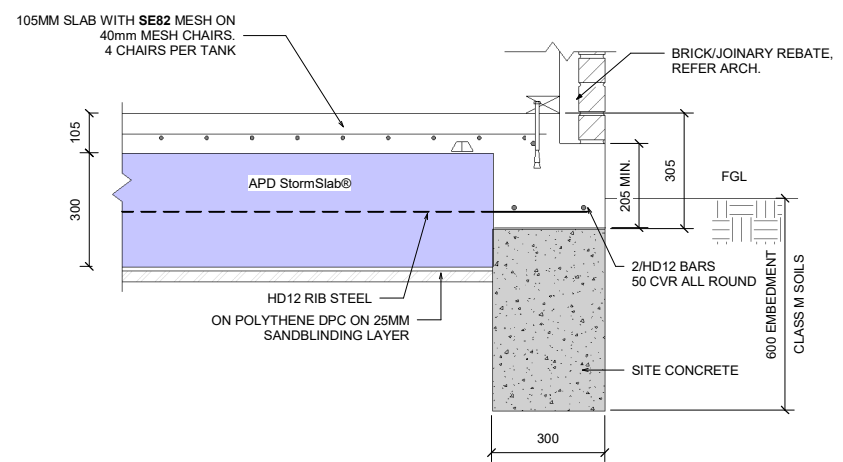


**1 GARAGE SLAB - EDGE RIB**

1 : 10

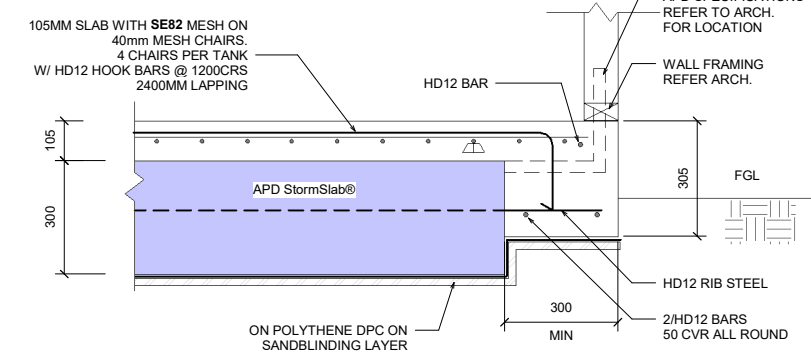


**SECTION VIEW**



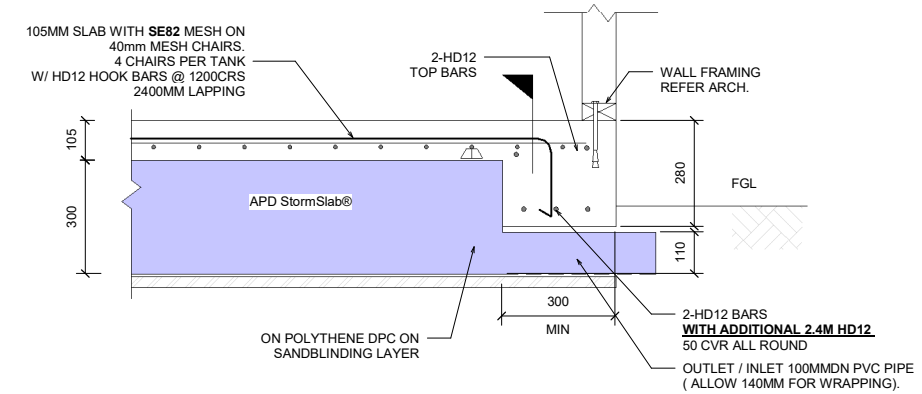
**1A GARAGE SLAB - EDGE RIB WITH BRICK REBATE**

1 : 10



**3 GARAGE SLAB - EDGE RIB WITH VENT**

1 : 10

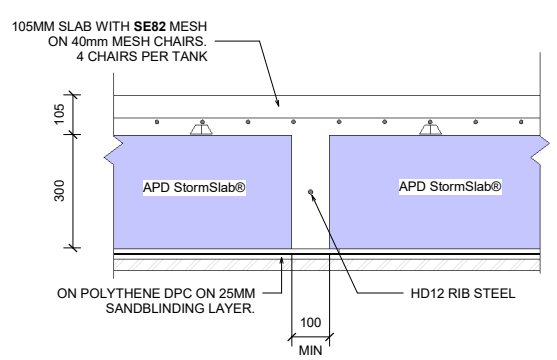


**4 GARAGE SLAB - EDGE RIB WITH FLOW THROUGH**

1 : 10

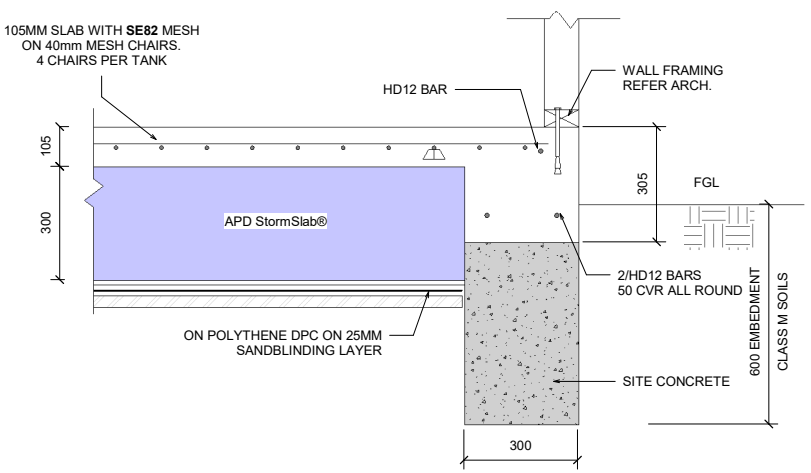
**CONSTRUCTION NOTES FOR WAFFLE SLAB**

- CLEAR ALL TOPSOIL AND ORGANIC MATERIAL TO FORM CLEAN AND LEVEL BUILDING PLATFORM
- CONFIRM THAT THE GROUND CONDITIONS MEET NZS 3604:2011 GOOD GROUND WITH 300KPA ULTIMATE BEARING CAPACITY WITH SOIL EXPANSIVENESS NO GREATER THAN CLASS M, Ys = 40mm MAX.
- IMPORT HARDFILL IF REQUIRED TO RAISE GROUND LEVEL. COMPACTED IN 150 LOOSE LAYERS.
- COVER BUILDING PLATFORM WITH 25MM(MAX.) SAND BLINDING.
- COVER BLINDING WITH DPM, LAPPED AND TAPED, IN ACCORDANCE WITH NZS 3604.
- PLACE 1100 SQ POLYSTYRENE PANELS ON A 1200x1200 GRID TO PATTERN AS SHOWN.
- CUT ANY THICKENING FOR INTERNAL LOAD BEARING WALLS AND REINFORCE AS SHOWN.
- REFER TO ARCHITECT'S DRAWINGS FOR ALL SETOUT DIMENSIONS, REBATES AND SERVICES.
- POUR CONCRETE TOPPING SLAB, ALL THICKENINGS AND RIBS IN ONE OPERATION.
- SAW CUT AS SHOWN. 20MM DEEP IN CONCRETE SLAB IN ACCORDANCE WITH NZS 3604.
- CURE SLAB IN ACCORDANCE WITH NZS 3604 AND GOOD TRADES PRACTICE.
- MUST ENSURE GROUND MOISTURE IS MAINTAINED DURING CONSTRUCTION OF SLAB



**5 GARAGE SLAB - INTERNAL RIB**

1 : 10



**6 GARAGE SLAB - EDGE RIB WITH SITE CONCRETE**

1 : 10

A	08/08/2025	FOR BUILDING CONSENT
REV	DATE	AMENDMENT

**APD 300D StormSlab® TANKS**  
**CLASS M SOILS THREE STOREY**

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**GARAGE SLAB DETAILS WITH APD StormSlab®**

CHECKED	APPROVED
AH	
DESIGNED	DRAWN

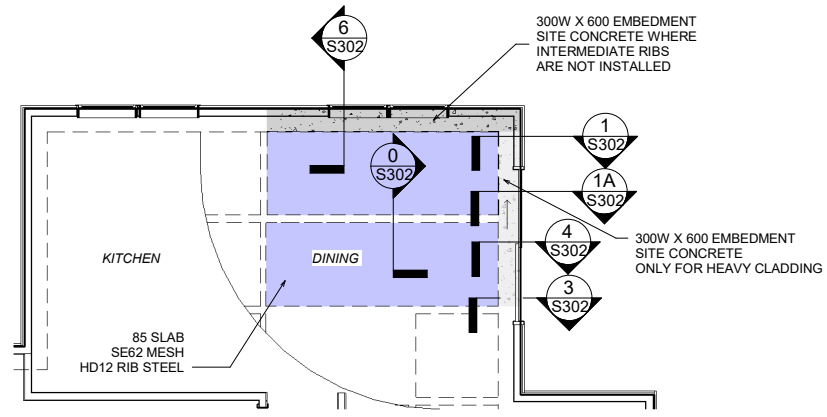
PROJECT NO.	SCALE
7527-M(3)-300D As indicated	
DRAWING NO.	REVISION
S301	A

**GENERAL NOTES:**  
REFER TO THE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, LEVELS, SETDOWNS, NBS, REBATES, DUCTS THROUGH FLOORS/WALLS, AND ALL OTHER SETTING OUT DETAILS, UNLESS OTHERWISE SPECIFIED.

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS AND LEVELS ON SITE BEFORE COMMENCING WORKS.

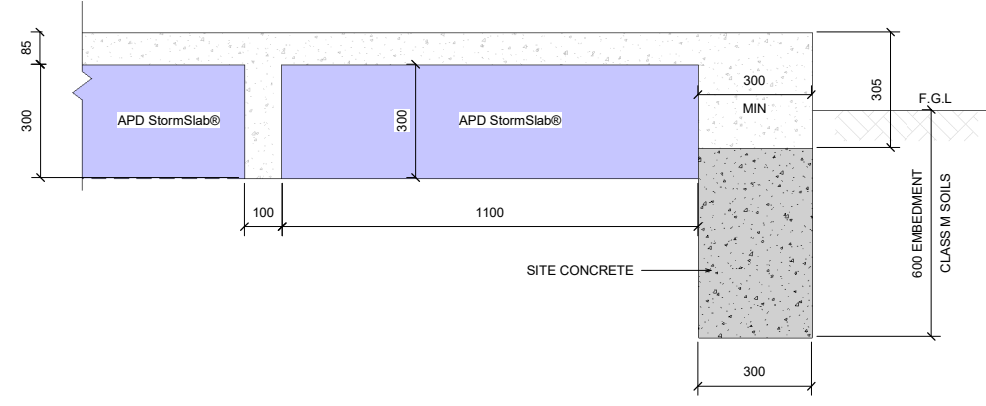
DO NOT SCALE DRAWINGS.

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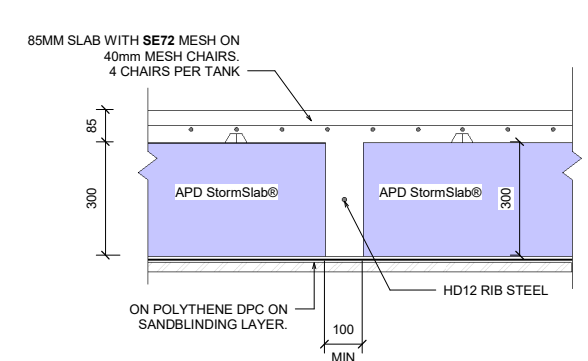
**RESIDENTIAL TYPICAL SLAB WITH APD StormSlab®**

1 : 50



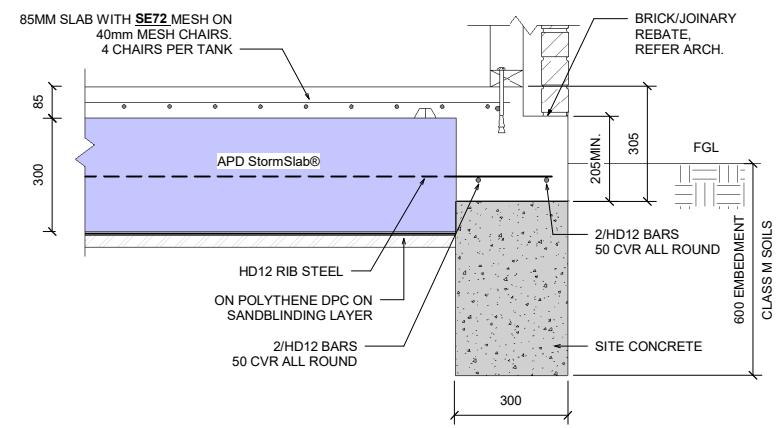
**RESIDENTIAL TYPICAL SLAB INSTALLATION WITH APD StormSlab®**

1 : 10



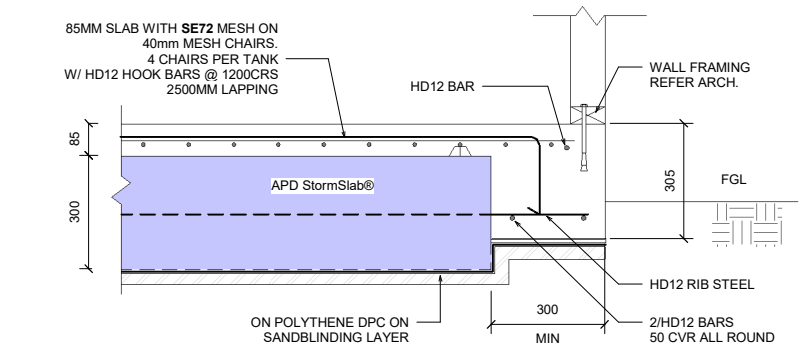
**0 TYPICAL SLAB - INTERNAL RIB**

1 : 10



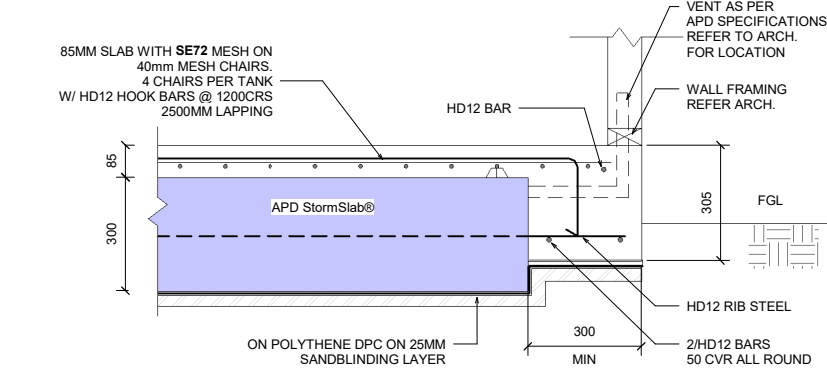
**1A TYPICAL SLAB - EDGE RIB WITH BRICK REBATE**

1 : 10



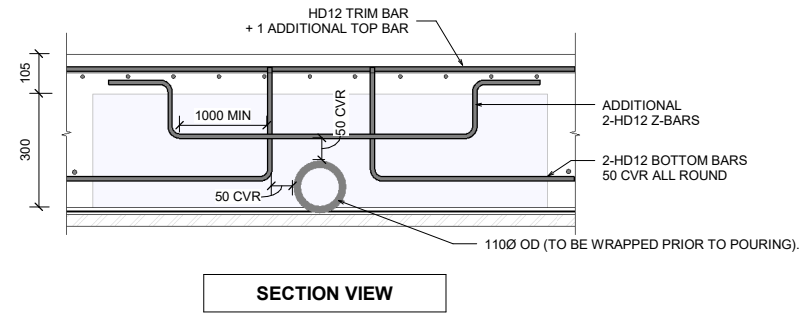
**1 TYPICAL SLAB - EDGE RIB**

1 : 10



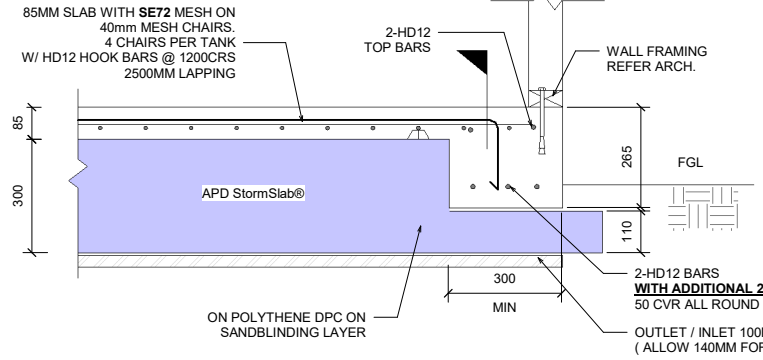
**3 TYPICAL SLAB - EDGE RIB WITH VENT**

1 : 10



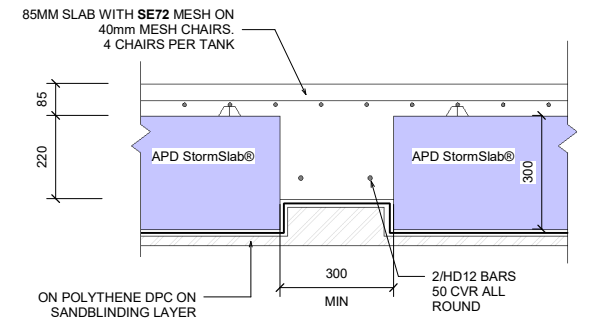
**4 TYPICAL SLAB - EDGE RIB WITH FLOW THROUGH**

1 : 10



**6 TYPICAL SLAB - EDGE RIB WITH SITE CONCRETE**

1 : 10



**5 TYPICAL SLAB - INTERNAL THICKENING**

1 : 10

**CONSTRUCTION NOTES FOR WAFFLE SLAB**

- CLEAR ALL TOPSOIL AND ORGANIC MATERIAL TO FORM CLEAN AND LEVEL BUILDING PLATFORM
- CONFIRM THAT THE GROUND CONDITIONS MEET NZS 3604:2011 GOOD GROUND WITH 300KPA ULTIMATE BEARING CAPACITY WITH SOIL EXPANSIVENESS NO GREATER THAN CLASS H1,  $Y_s = 40\text{mm MAX.}$
- IMPORT HARDFILL IF REQUIRED TO RAISE GROUND LEVEL. COMPACTED IN 150 LOOSE LAYERS.
- COVER BUILDING PLATFORM WITH 25MM(MAX.) SAND BLINDING.
- COVER BLINDING WITH DPM, LAPPED AND TAPED, IN ACCORDANCE WITH NZS 3604.
- PLACE 1100 SQ POLYSTYRENE PANELS ON A 1200x1200 GRID TO PATTERN AS SHOWN.
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- CURE SLAB IN ACCORDANCE WITH NZS 3604 AND GOOD TRADES PRACTICE.
- MUST ENSURE GROUND MOISTURE IS MAINTAINED DURING CONSTRUCTION OF SLAB

REV	DATE	AMENDMENT
A	08/08/2025	FOR BUILDING CONSENT

**APD 300D StormSlab® TANKS**  
**CLASS M SOILS THREE STOREY**

CLIENT



ARCHITECT

**TYPICAL SLAB DETAILS WITH APD StormSlab®**

CHECKED	APPROVED
AH	
DESIGNED	DRAWN

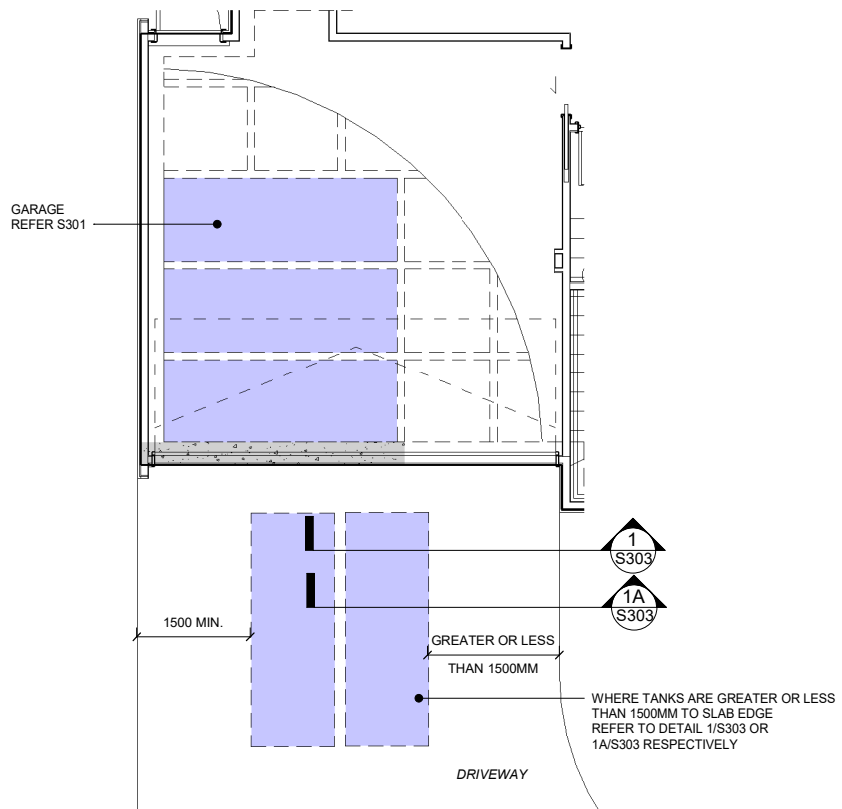
PROJECT NO.	SCALE
7527-M(3)-300D	As indicated
DRAWING NO.	REVISION
S302	A

**GENERAL NOTES:**  
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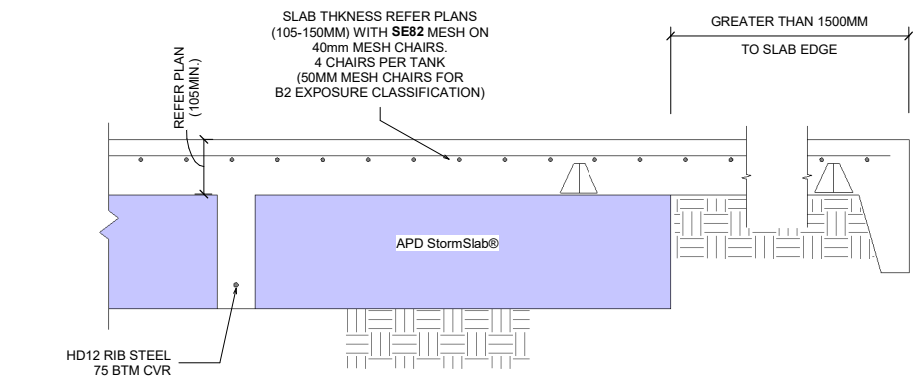
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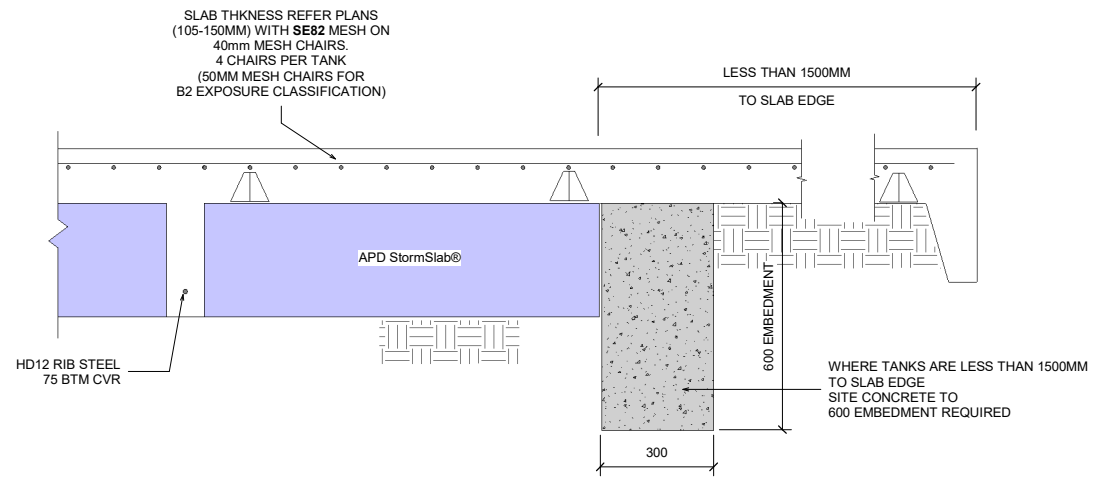
**RESIDENTIAL DRIVEWAY SLAB WITH APD StormSlab®**

1 : 50



**1 DRIVEWAY SLAB - TANKS NOT WITHIN 1500MM TO SLAB EDGE**

1 : 10



**1A DRIVEWAY SLAB - TANKS WITHIN 1500MM TO SLAB EDGE**

1 : 10

REV	DATE	AMENDMENT
A	08/08/2025	FOR BUILDING CONSENT

**APD 300D StormSlab® TANKS  
CLASS M SOILS THREE STOREY**

CLIENT



ARCHITECT

**DRIVEWAY SLAB DETAILS WITH  
APD StormSlab®**

CHECKED	APPROVED
AH	
DESIGNED	DRAWN

PROJECT NO.	SCALE
7527-M(3)-300D	As indicated
DRAWING NO.	REVISION
S303	A