

# TANKSALOT TANK RESTRAINT FIXINGS STANDARD DETAILS

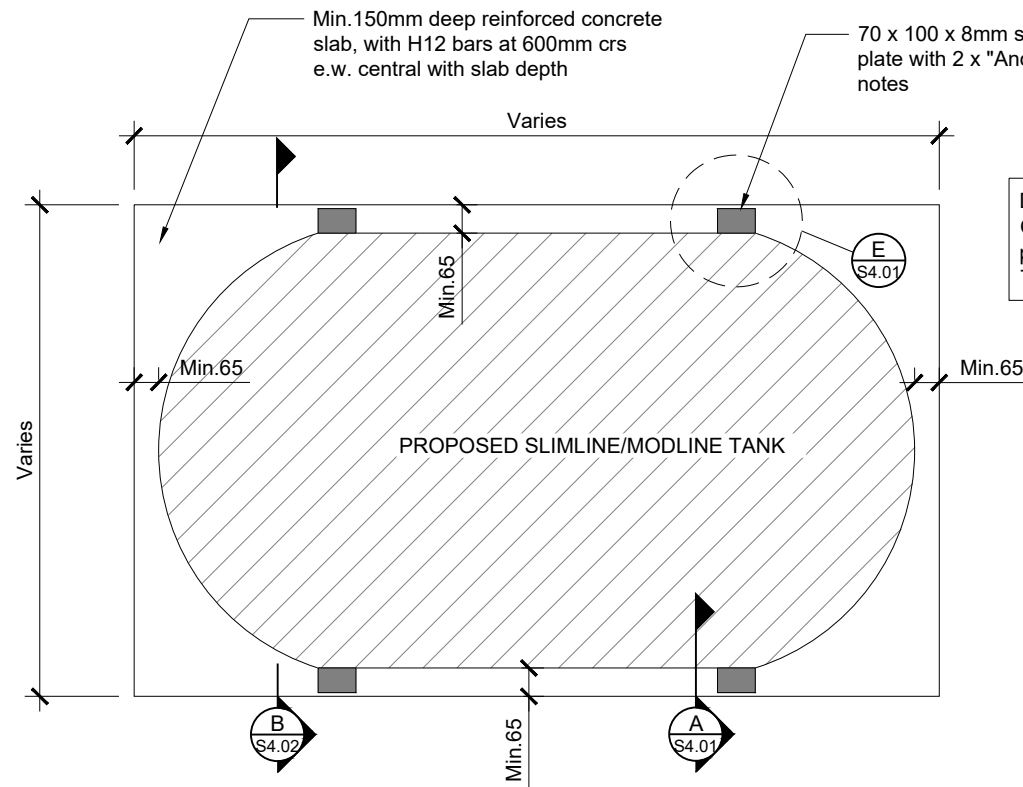
## STRUCTURAL DRAWING LIST

Job No      A23113

		DATE	JUN 23	JUN 23	JUN 23	JUL 23	AUG 23	MAR 24	JUN 24	JUL 24	FEB 25
REVISION NO:			1	2	3	4	5	6	7	8	9
DWG No:	TITLE										
S3.01	FOUNDATION DETAILS	1	1	2	2	3	4	4	5	6	
S3.02	FOUNDATION DETAILS	1	1	2	2	3	4	4	5	5	
S3.03	FOUNDATION DETAILS	-	-	-	-	-	-	-	1	2	
S3.04	FOUNDATION DETAILS	-	-	-	-	-	-	-	1	2	
S4.01	DETAILS	1	2	2	3	4	5	5	5	5	
S4.02	DETAILS	1	1	1	1	1	1	2	3	3	

**NOTES: (FOR DETAIL 001, 002, 005)**

- Precise position of clamping plates may be adjusted accordingly. Minimum anchor edge distances must be achieved.
- Slab to bear on minimum Geotechnical Ultimate Bearing Capacity = 100kPa
- Steel plates and fixings shall be Grade 300
- Concrete 28-day compressive strength shall be minimum 25MPa
- All steel plates and fixings shall have minimum HDG390 galvanising as per Table 6.2 AS/NZS 2312.2:2014 (55µm DFT)



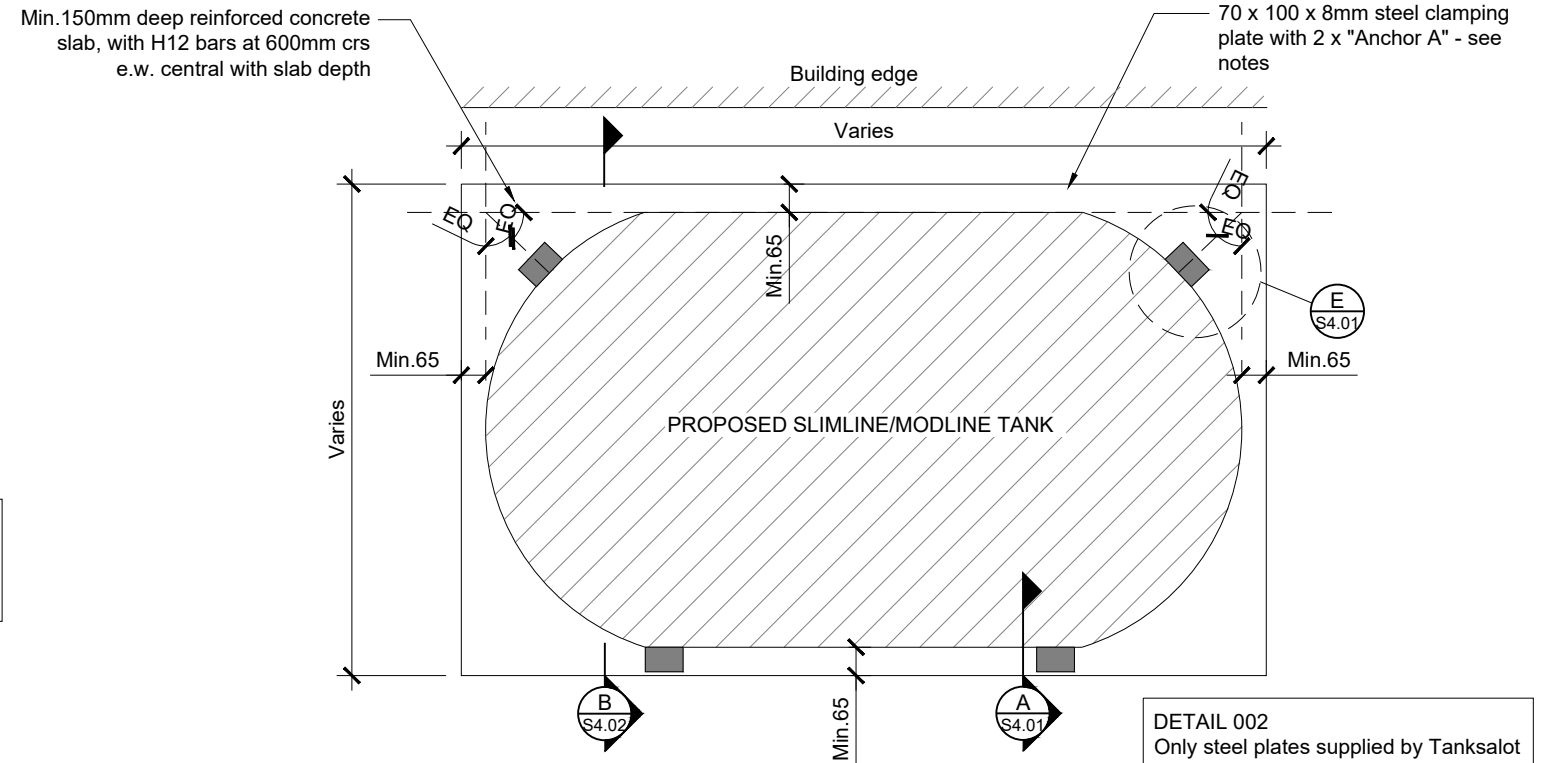
**001 TANK SUPPORT DETAIL (STANDALONE)**  
SCALE 1:20

**Anchor fixing notes:**

"Anchor A" - May consist of either the following:

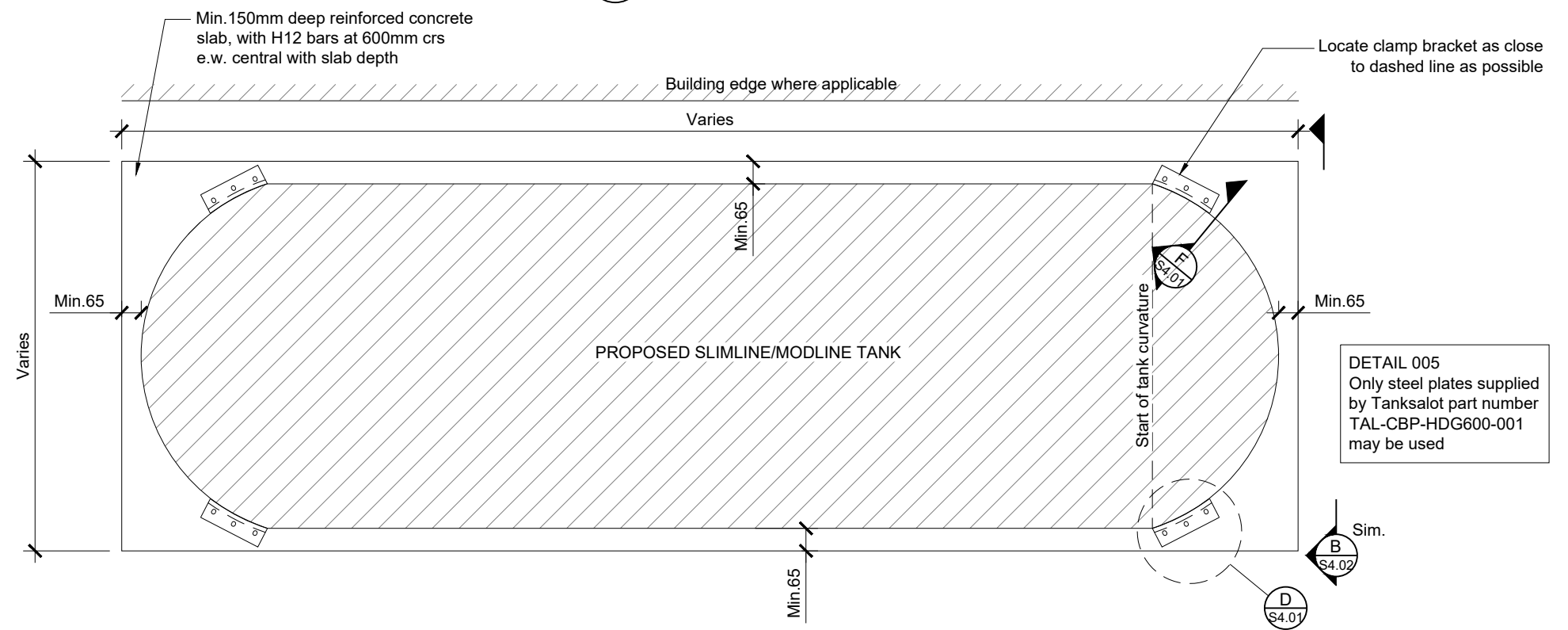
- 1) GFC M10 Structa 6 Seismic concrete screw with M12 x 3mm washer, min. 85mm slab embedment
- 2) Wurth W-FAZ PRO/S M12 concrete anchor with min. 70mm slab embedment
- 3) Hilti HST3 M12 anchor with min. 60mm slab embedment

**DETAIL 001**  
Only steel plates supplied by Tanksalot part numbers TAL-SBP-HDG390-001 or TAL-SBP-HDG600-001 may be used



**002 TANK SUPPORT DETAIL (ADJACENT TO BUILDING)**  
SCALE 1:20

**DETAIL 002**  
Only steel plates supplied by Tanksalot part numbers TAL-SBP-HDG390-001 or TAL-SBP-HDG600-001 may be used



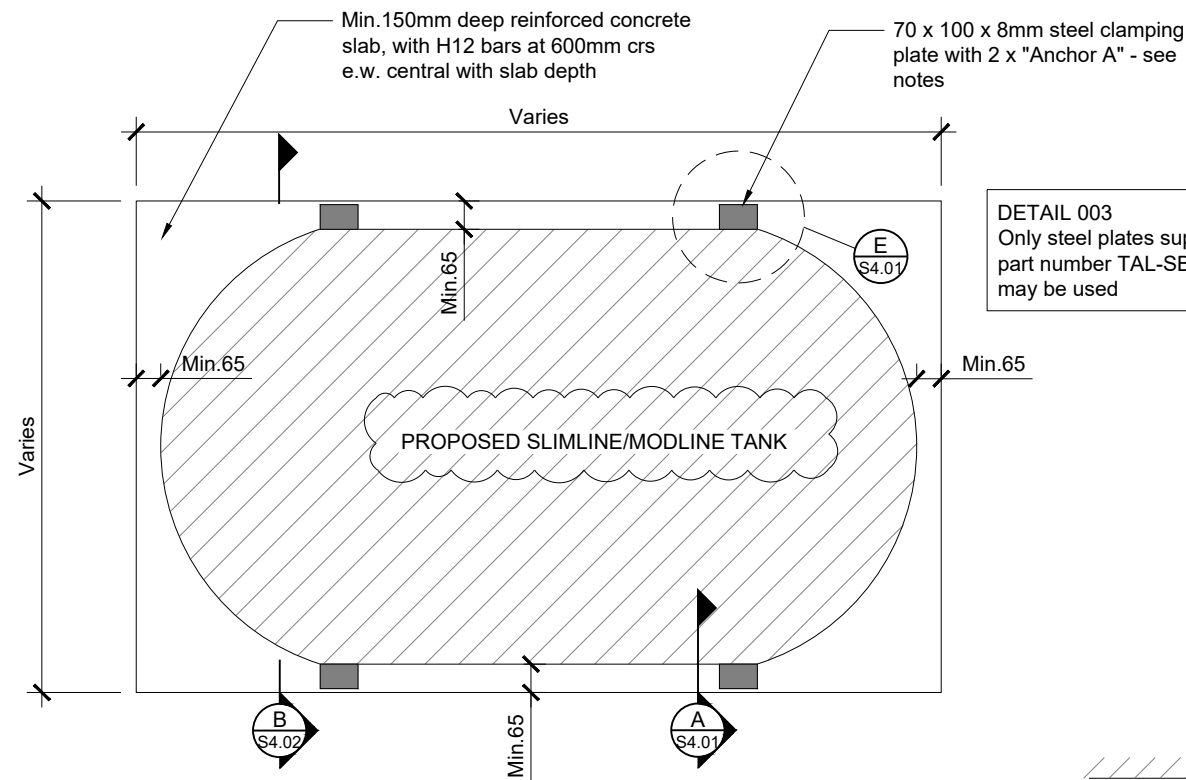
**005 10000L TANK SUPPORT DETAIL**  
SCALE 1:20

**DETAIL 005**  
Only steel plates supplied by Tanksalot part number TAL-CBP-HDG600-001 may be used

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS

**NOTES: (FOR DETAIL 003, 004, 006)**

- Precise position of clamping plates may be adjusted accordingly. Minimum anchor edge distances must be achieved.
- Slab to bear on minimum Geotechnical Ultimate Bearing Capacity = 100kPa
- Concrete 28-day compressive strength shall be minimum 25MPa
- All steel plates and fixings shall have minimum HDG600 galvanising as per Table 6.2 AS/NZS 2312.2:2014 ( (85µm DFT)



DETAIL 003  
Only steel plates supplied by Tanksalot part number TAL-SBP-HDG600-001 may be used

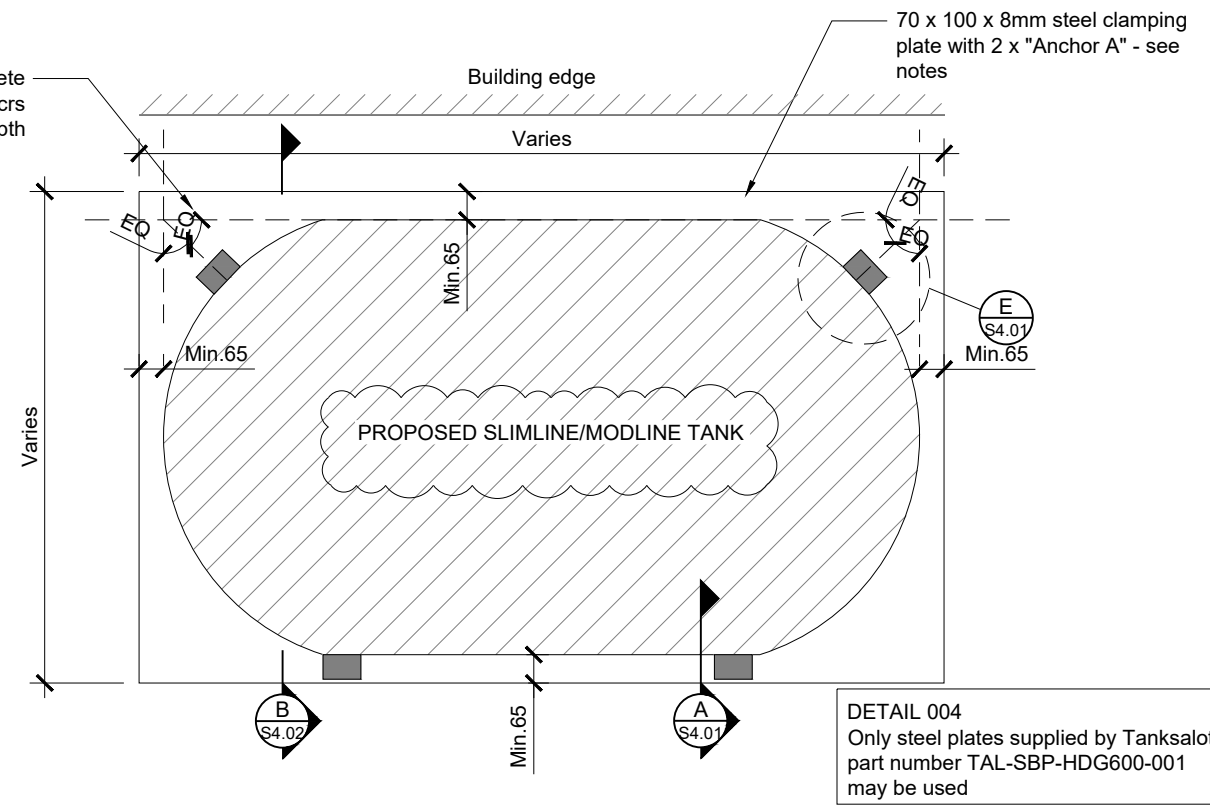
**003 TANK SUPPORT DETAIL (STANDALONE)**  
SCALE 1:20

**Anchor fixing notes:**

"Anchor A" - May consist of either the following:

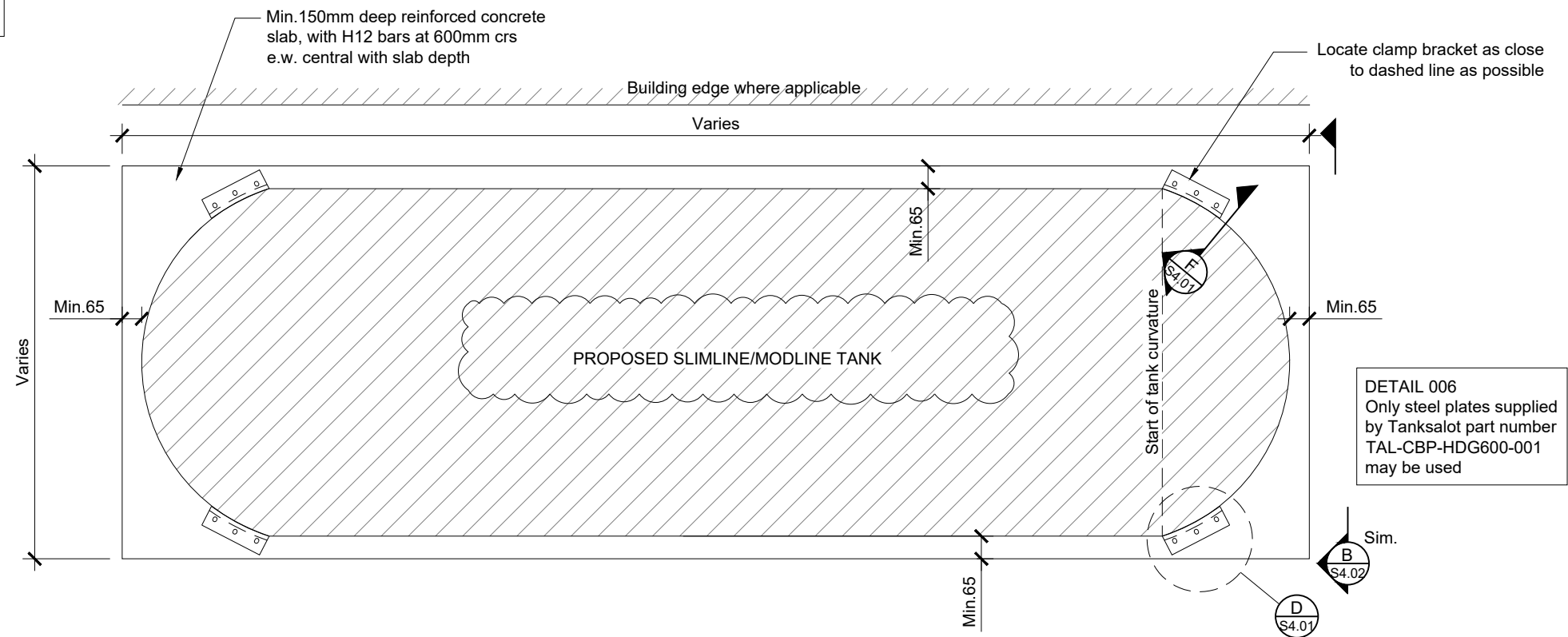
- 1) GFC M10 Structa 6 Seismic concrete screw with M12 x 3mm washer, min. 85mm slab embedment
- 2) Wurth W-FAZ PRO/S M12 concrete anchor with min. 70mm slab embedment
- 3) Hilti HST3 M12 anchor with min. 60mm slab embedment

Min. 150mm deep reinforced concrete slab, with H12 bars at 600mm crs e.w. central with slab depth



DETAIL 004  
Only steel plates supplied by Tanksalot part number TAL-SBP-HDG600-001 may be used

**004 TANK SUPPORT DETAIL (ADJACENT TO BUILDING)**  
SCALE 1:20



DETAIL 006  
Only steel plates supplied by Tanksalot part number TAL-CBP-HDG600-001 may be used

**006 10000L TANK SUPPORT DETAIL**  
SCALE 1:20

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS

REV NO.	REVISION	DATE	APPROVED	PROJECT NO.	SCALE	DESIGNED	DRAWN	SHEET NO.
2.	FOR CONSTRUCTION	JUN 2023	NB	A23113	1:20	EN	AR	S3.02
3.	FOR CONSTRUCTION	AUG 2023	NB					
4.	FOR CONSTRUCTION	MAR 2024	NB					
5.	FOR CONSTRUCTION	JUL 2024	NB					
				REV NO. <b>5</b>				

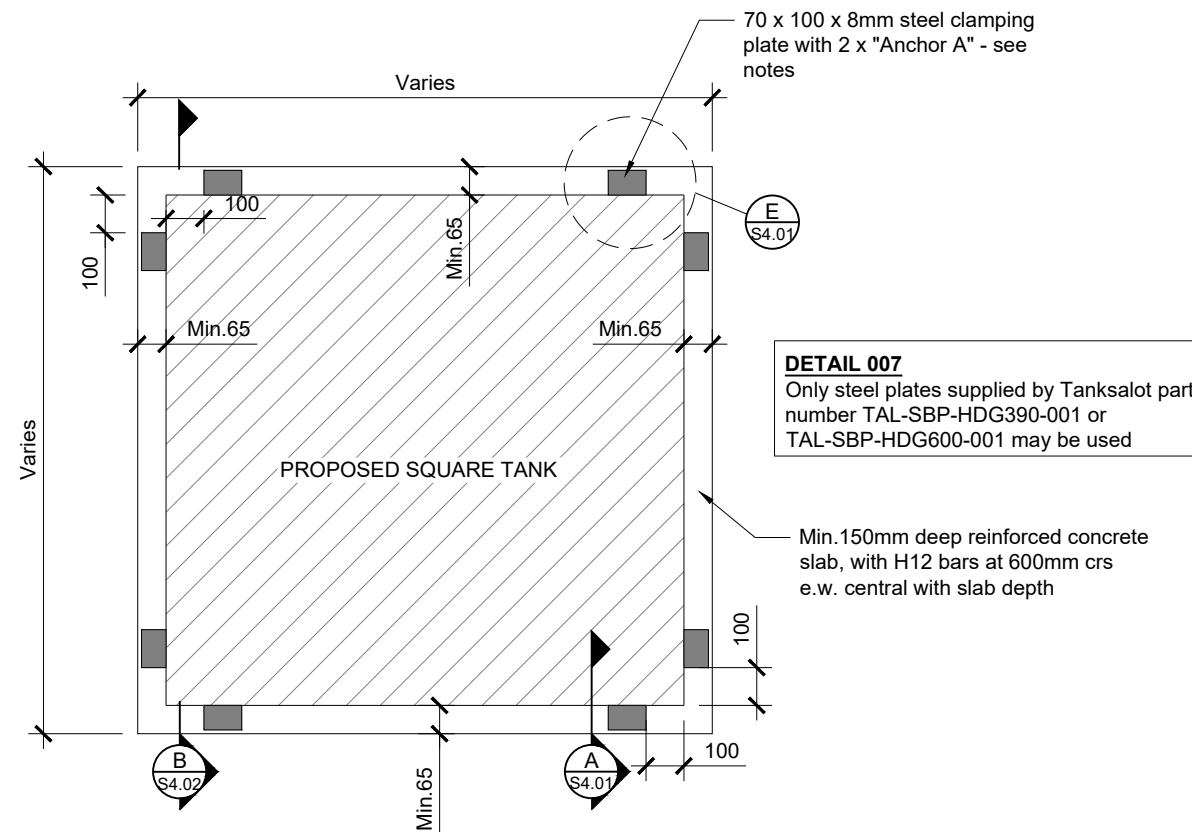
**NOTES:**

- Precise position of clamping plates may be adjusted accordingly. Minimum anchor edge distances must be achieved.
- Slab to bear on minimum Geotechnical Ultimate Bearing Capacity = 100kPa
- Steel plates and fixings shall be Grade 300
- Concrete 28-day compressive strength shall be minimum 25MPa
- All steel plates and fixings shall have minimum HDG390 galvanising as per Table 6.2 AS/NZS 2312.2:2014 ( (55µm DFT)

**Anchor fixing notes:**

"Anchor A" - May consist of either the following:

- 1) GFC M10 Structa 6 Seismic concrete screw with M12 x 3mm washer, min. 85mm slab embedment
- 2) Wurth W-FAZ PRO/S M12 concrete anchor with min. 70mm slab embedment
- 3) Hilti HST3 M12 anchor with min. 60mm slab embedment



**DETAIL 007**  
Only steel plates supplied by Tanksalot part number TAL-SBP-HDG390-001 or TAL-SBP-HDG600-001 may be used

**007** SQUARE TANK SUPPORT DETAIL  
SCALE 1:20

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS

REV NO.	REVISION	DATE	APPROVED	PROJECT NO. A23113	DESIGNED EN
1.	FOR CONSTRUCTION	JUL 2024	NB	SCALE @ A3 1:20	DRAWN AR
2.	FOR CONSTRUCTION	FEB 2025	NB	REV NO. 2	SHEET NO. S3.03

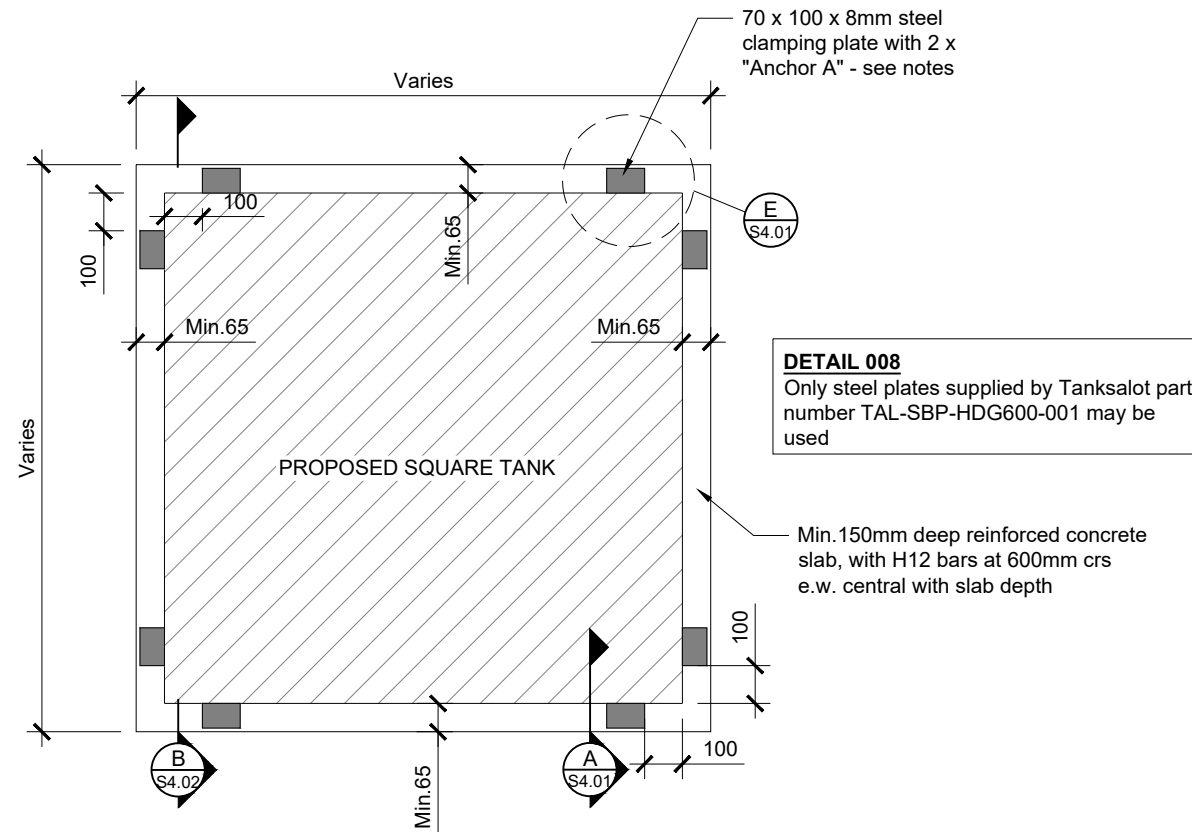
**NOTES:**

- Precise position of clamping plates may be adjusted accordingly. Minimum anchor edge distances must be achieved.
- Slab to bear on minimum Geotechnical Ultimate Bearing Capacity = 100kPa
- Steel plates and fixings shall be Grade 300
- Concrete 28-day compressive strength shall be minimum 25MPa
- All steel plates and fixings shall have minimum HDG600 galvanising as per Table 6.2 AS/NZS 2312.2:2014 ( (85µm DFT)

**Anchor fixing notes:**

"Anchor A" - May consist of either the following:

- 1) GFC M10 Structa 6 Seismic concrete screw with M12 x 3mm washer, min. 85mm slab embedment
- 2) Wurth W-FAZ PRO/S M12 concrete anchor with min. 70mm slab embedment
- 3) Hilti HST3 M12 anchor with min. 60mm slab embedment

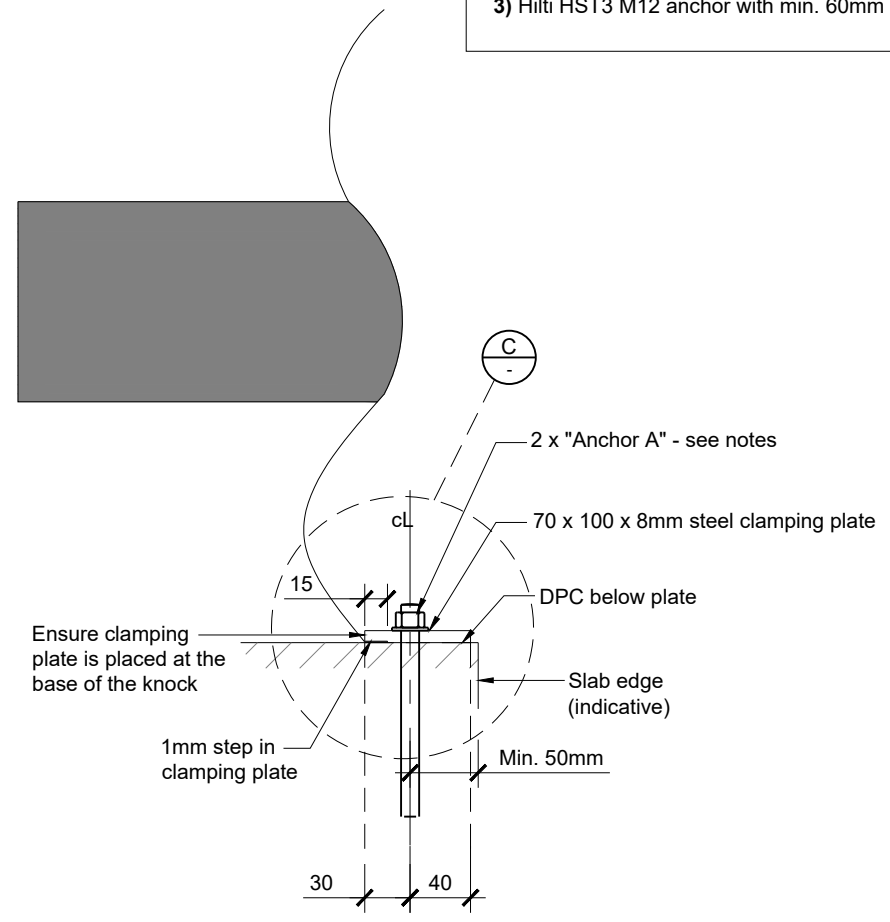


**008 SQUARE TANK SUPPORT DETAIL**  
SCALE 1:20

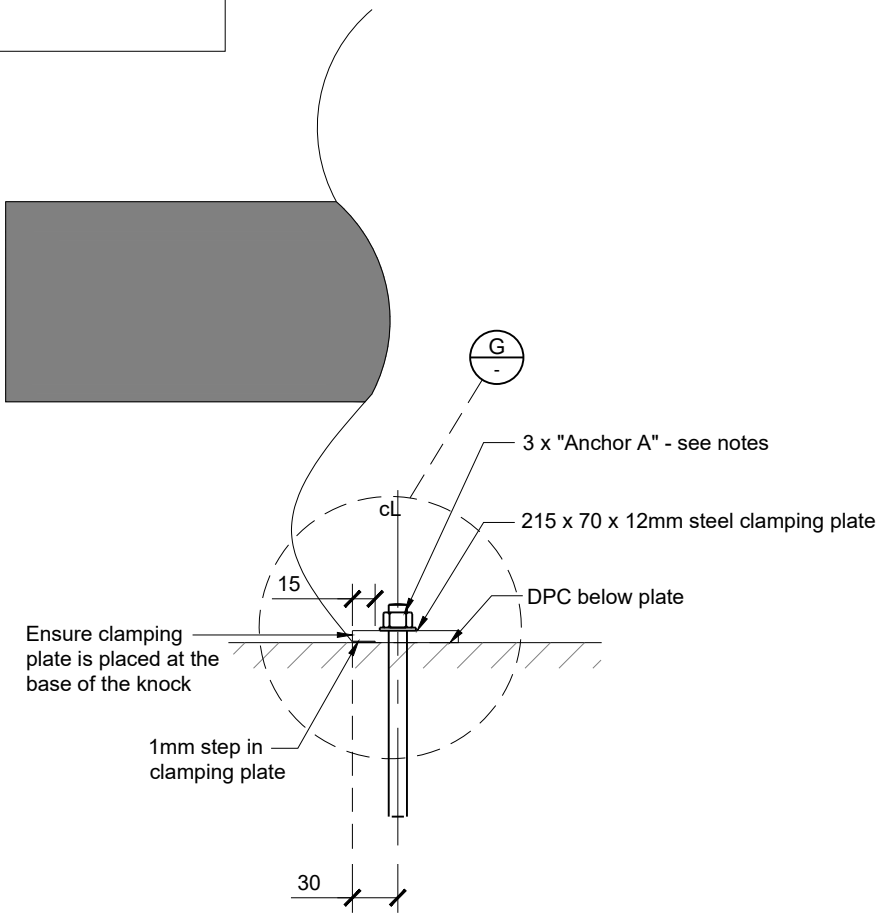
THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS

REV NO.	REVISION	DATE	APPROVED	PROJECT NO.	SCALE @ A3	DESIGNED	DRAWN	SHEET NO.
1.	FOR CONSTRUCTION	JUL 2024	NB	A23113	1:20	EN	AR	
2.	FOR CONSTRUCTION	FEB 2025	NB					
				REV NO.	<b>2</b>			<b>S3.04</b>

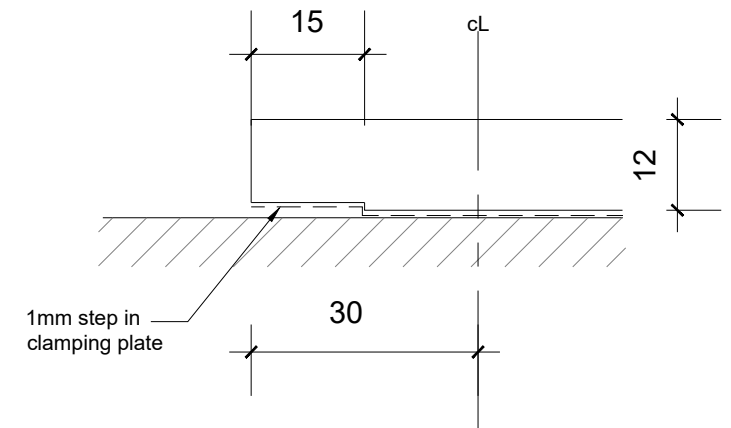
**Anchor fixing notes:**  
 "Anchor A" - May consist of either the following:  
 1) GFC M10 Structa 6 Seismic concrete screw with M12 x 3mm washer, min. 85mm slab embedment  
 2) Wurth W-FAZ PRO/S M12 concrete anchor with min. 70mm slab embedment  
 3) Hilti HST3 M12 anchor with min. 60mm slab embedment



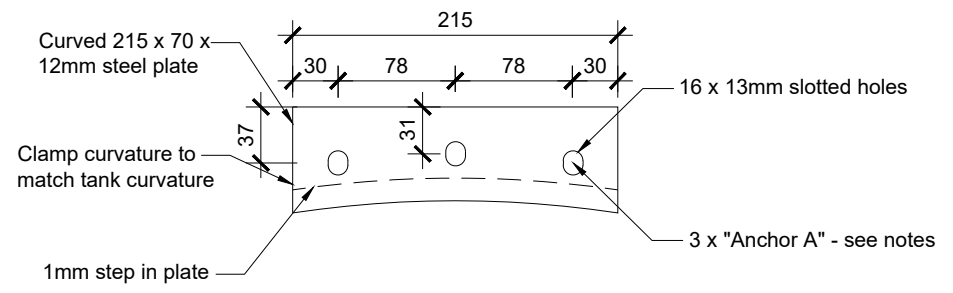
**A TANK HOLD - DOWN DETAIL**  
 S3.01 SCALE 1:5



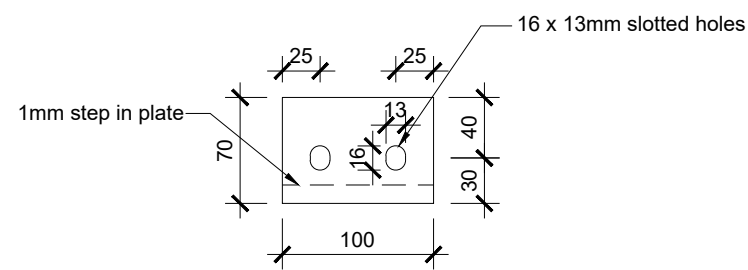
**F TANK HOLD - DOWN DETAIL**  
 S3.01 SCALE 1:5



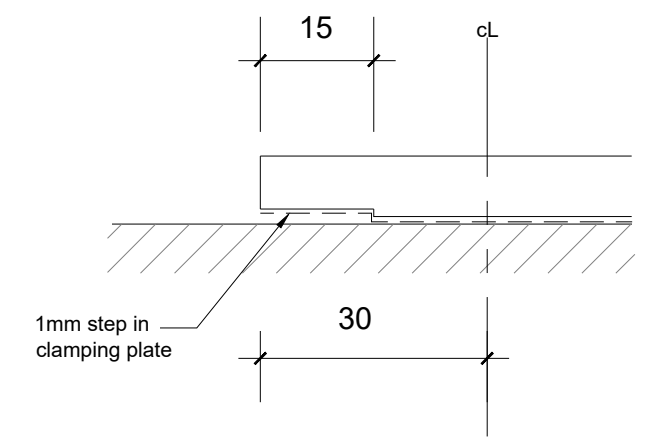
**G CLAMPING PLATE DETAIL**  
 SCALE 1:1



**D PLATE PLAN DETAIL**  
 S3.01 SCALE 1:5



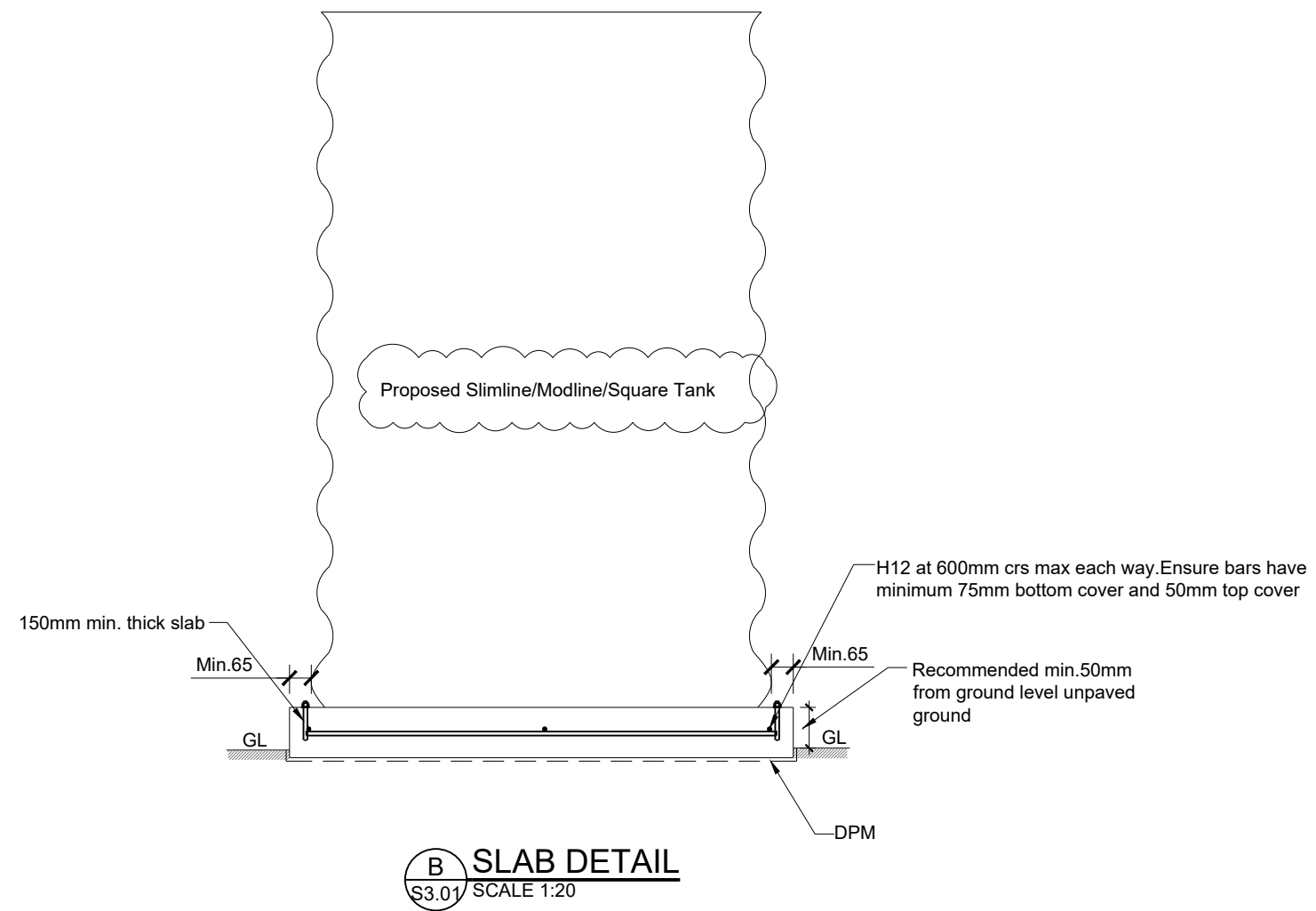
**E PLATE PLAN DETAIL**  
 S3.01 SCALE 1:5



**C CLAMPING PLATE DETAIL**  
 SCALE 1:1

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS

REV NO.	REVISION	DATE	APPROVED	PROJECT NO.	SCALE @ A3	DESIGNED	DRAWN	SHEET NO.
2.	FOR CONSTRUCTION	JUN 2023	NB	A23113	1:5	EN	AR	S4.01
3.	FOR CONSTRUCTION	JUL 2023	NB					
4.	FOR CONSTRUCTION	AUG 2023	NB					
5.	FOR CONSTRUCTION	MAR 2024	NB					
				REV NO. <b>5</b>				



THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS