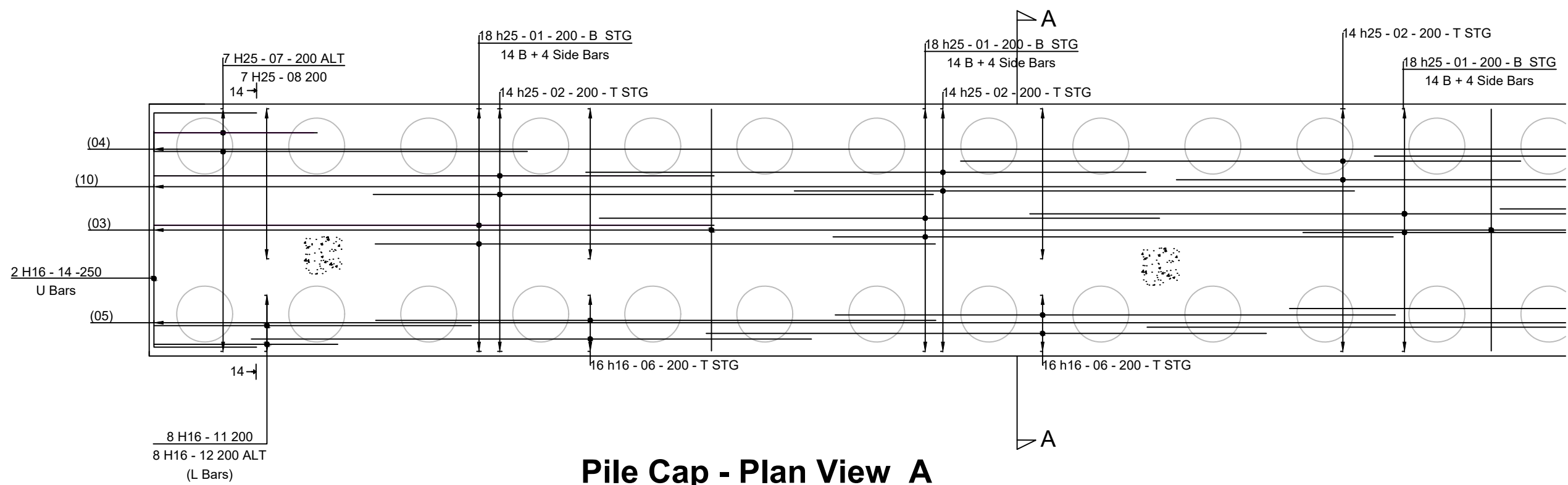
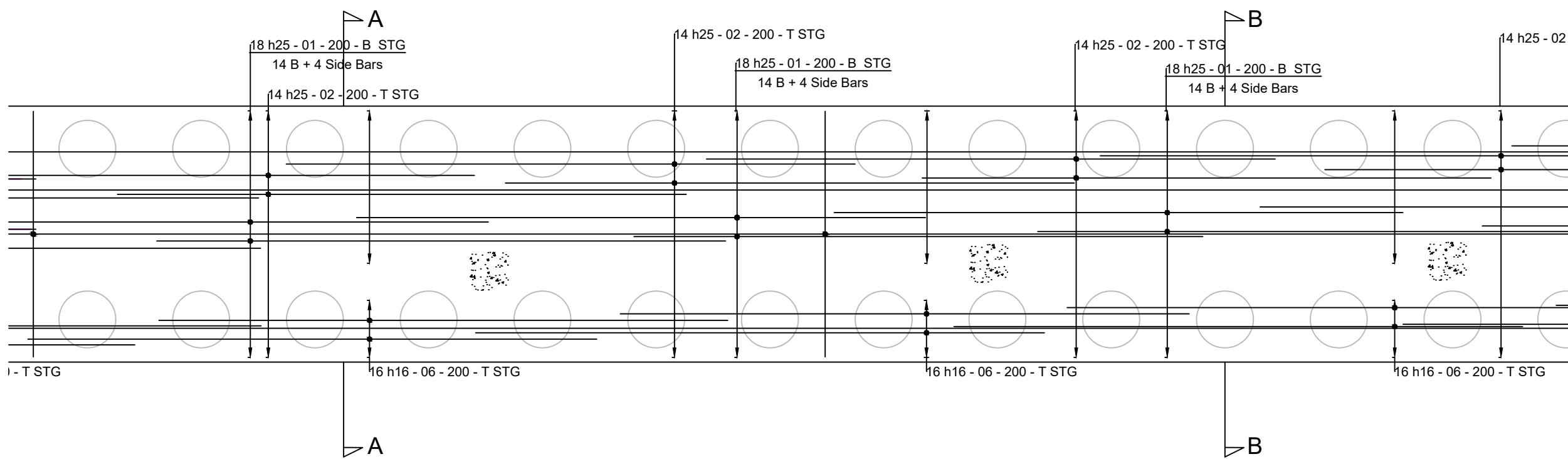


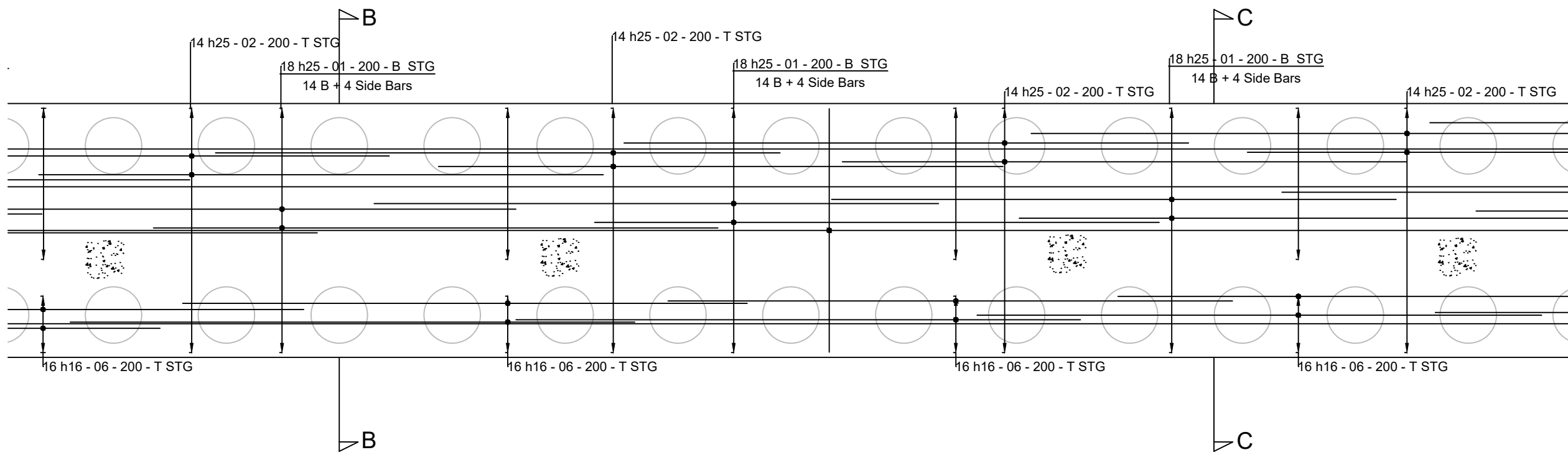
Pile Cap - Plan View
Scale 1:100



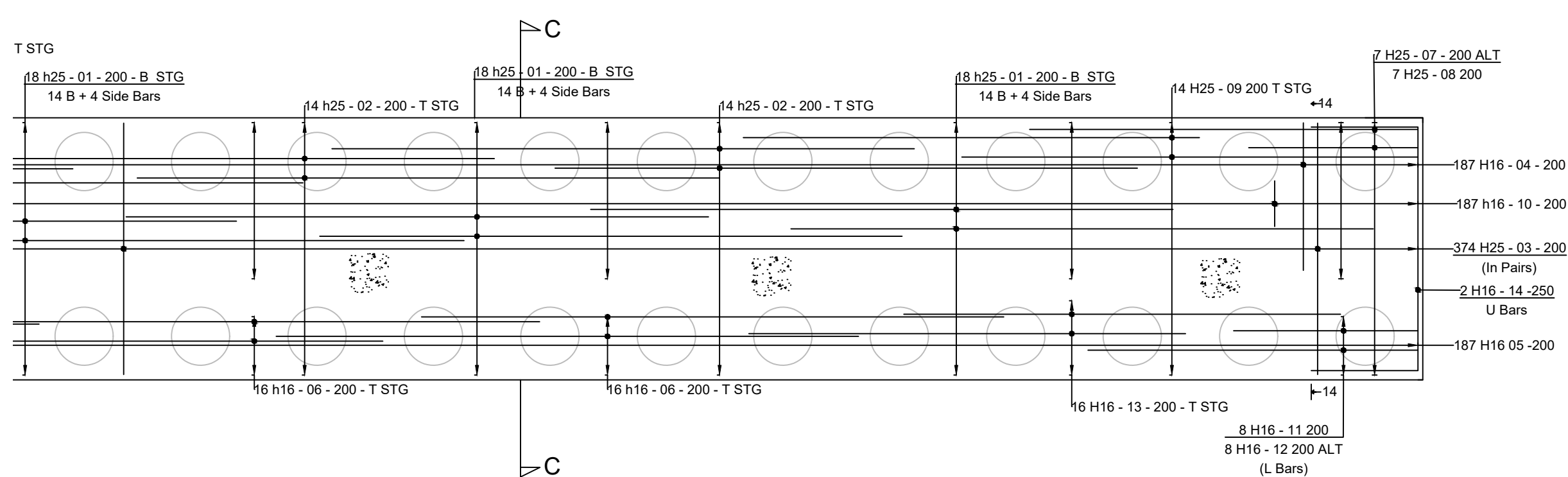
Pile Cap - Plan View A
Scale 1:50



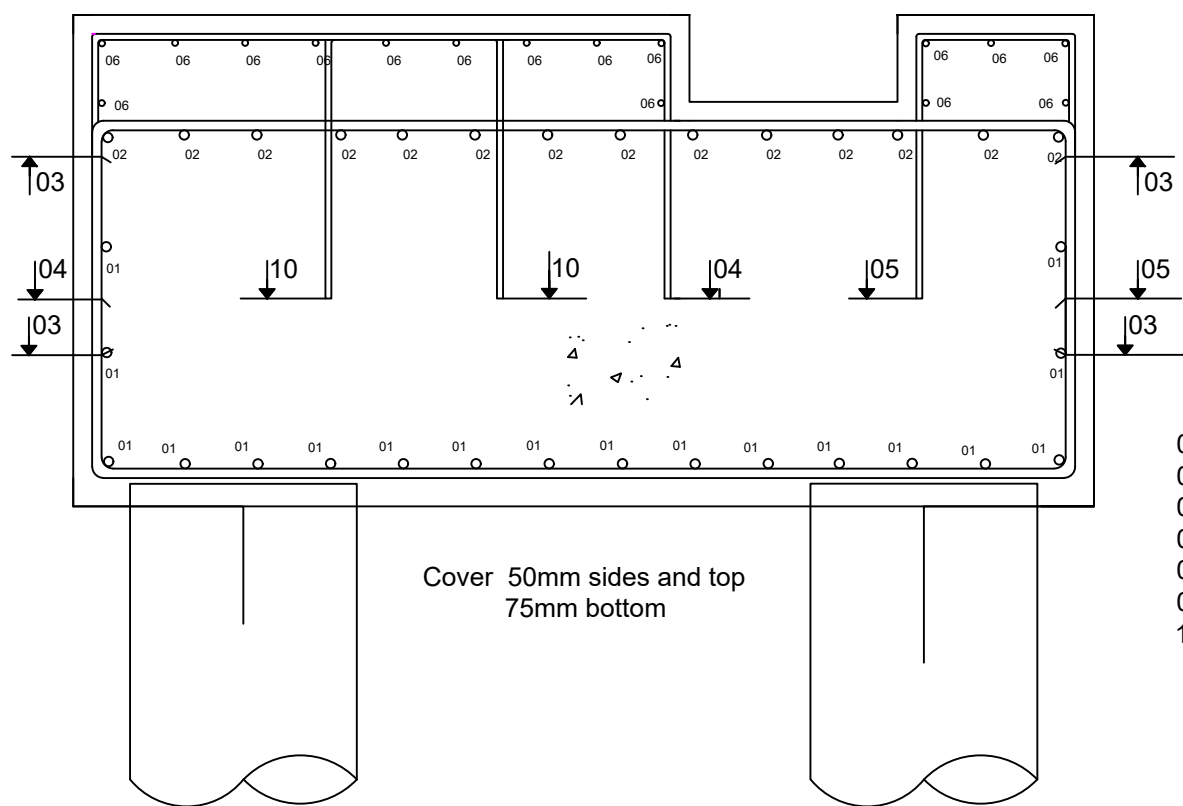
Pile Cap - Plan View A - B
Scale 1:50



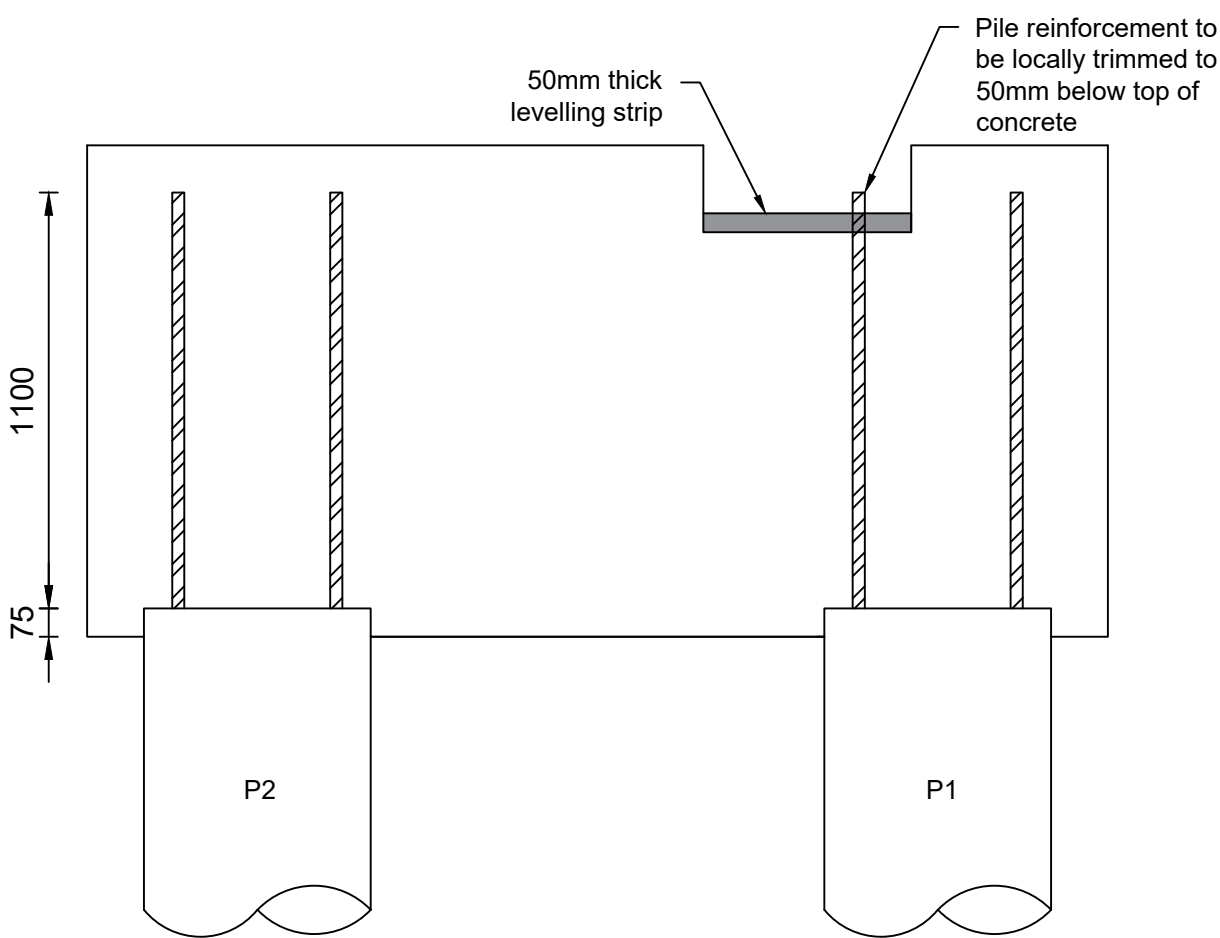
Pile Cap - Plan View B - C
Scale 1:50



Pile Cap - Plan View C
Scale 1:50



Pile Cap - Reinforcement
Scale 1:20



Typical Pile Reinforcement Section
Scale 1:20

Reinforcement schedule													Page 1 of 1	
Member	Bar mark	Type and size	No. of bars	No. of bars in each	Total no.	Length of each bar* mm	Shape code	A* mm	B* mm	C* mm	D* mm	E/R* mm	Rev letter	
Pile Cap	01	H25	2	108	216	6000	00	6000						
	02	H25	2	98	196	6000	00	6000						
	03	H25	2	350	700	4175	21	850	2590	850				
	04	H16	2	175	350	2875	21	700	1520	700				
	05	H16	2	175	350	1750	21	700	410	700				
	06	H16	2	96	192	6000	00	6000						
	07	H25	2	14	28	4250	21	1750	885	1750				
	08	H25	2	14	28	8750	21	4000	885	4000				
	09	H25	2	14	28	2400	00	2400						
	10	H16	2	175	350	1825	21	700	470	700				
	11	H16	2	16	32	2575	11	700	1900					
	12	H16	2	16	32	4075	11	700	3400					
	13	H16	2	16	32	2200	00	2200						
	14	H16	2	4	8	4650	21	1100	2510	1100				
	15	H25	2	18	36	3700	00	3700						
This schedule conforms to BS 8006:2006														
* Specified in multiples of 5 mm.														
Status: P: Preliminary T: Tender C: Construction;														

Pile Cap Bar Bending Schedule

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CDM 2015 :

The following presents a designers record of the significant hazards which are considered for the scope of this design. Routine hazards which should be managed by the main contractor are not listed.

Scope of design
The design of the reinforced pile cap of the bebo bridge

Significant hazard assessment

No.	Description
1	Design strength capping beam must be in place before bulk excavation commences
2	
3	
4	

Suggested construction sequence

- Form piling platform
- Install piles
- Trim piles
- Form capping beam

NOTES :

General

All dimensions mm UNO

All elevations mOD UNO

Do not scale, use figured dimensions only

Piling

Piles to be installed in accordance with ICE Specification for piling and embedded retaining walls - 3rd edition (2017) and the requirements of this drawing.

Concrete

Concrete and workmanship (including protection and curing after placement) to be in accordance with EN 206, BS8110 and BS8500.

Concrete for pile cap is C32/40.

Concrete for piles to be a designed mix supplied in accordance with EN 206-1 : 2000. Mix designs to be submitted for acceptance prior to commencement of work. Concrete is of normal weight with nominal maximum aggregate size 20mm, chloride content class Cl 0,20.

In accordance with BRE SD1 (2005) design concrete class is DC-1.

Reinforcing Steel

Ribbed reinforcing bars shall be grade B500B hot rolled and cold worked steel bars conforming to BS10080 and BS4449 and/or shall be cut and bent in accordance with BS8666. The bars shall be obtained from a firm holding a valid CARES (or fully equivalent scheme) certificate of approval. Bars shall be fixed in accordance with BS8110 Part 7. No bar shall contain a flash weld.

Minimum tension lap lengths to steel reinforcement :

Bars

25mm - 1275 mm Sides and Bottom
16mm - 1700mm Top
16mm - 1100mm Top

Pile General Arrangement

Refer to drawing 2231-001 for piling general arrangement and schedule.

1	2	3	4	5	6
A	Pile Cap Length Revised	RS	JM	05/06/21	
REV	AMENDMENTS	DRAWN	CHECK	DATE	



Client:

Van Elle

Project :

North Littlehampton

Title :

Reinforced Concrete Pile Cap Details

Drawing Status :

FOR COMMENT

DRAWN	EP	DATE	SCALE	DRAWING NUMBER
CHECKED	JM	19/03/21	AS SHOWN	2231 - 002
DATE	MARCH 2021	ORIGINAL SHEET SIZE	A1	REVISION : A