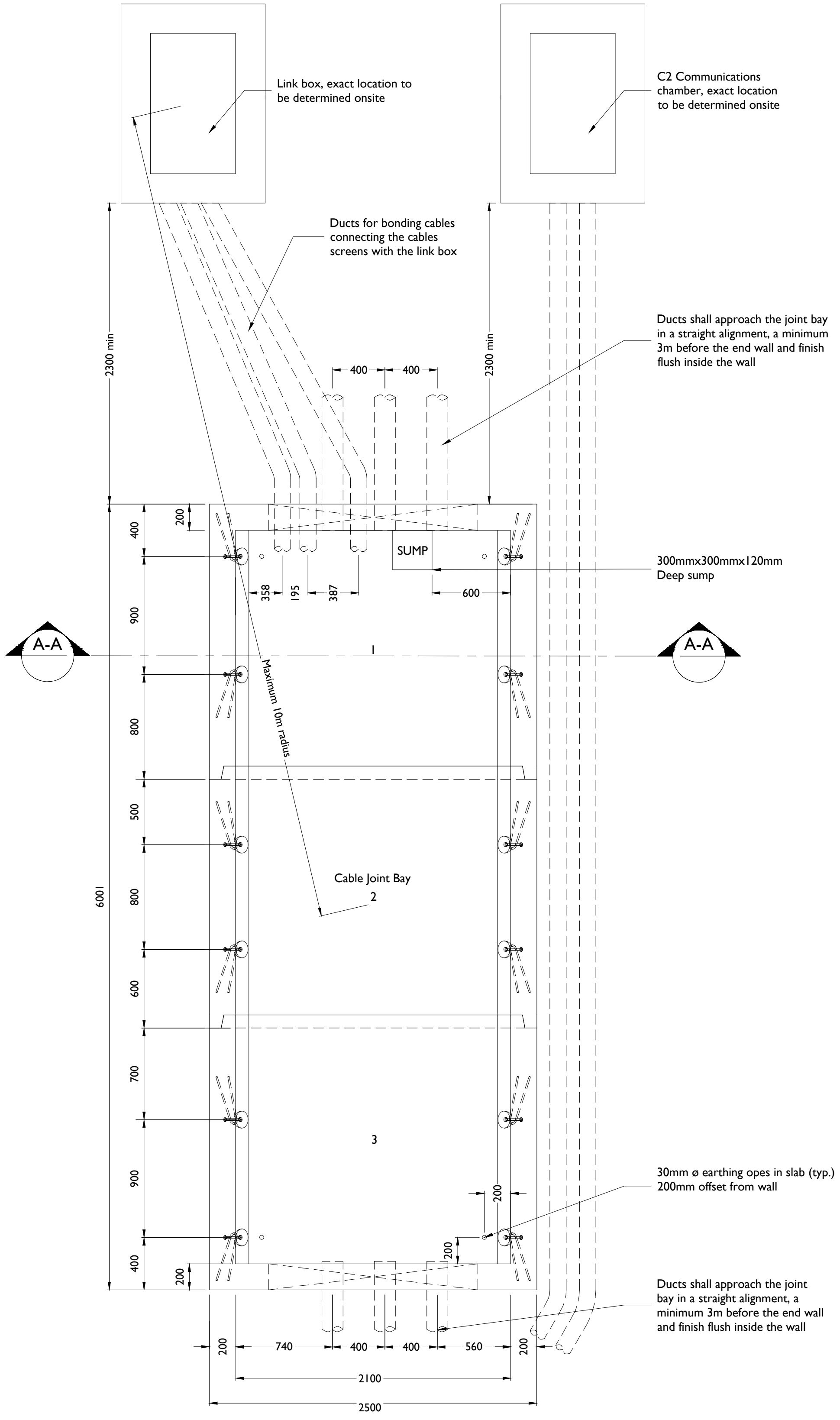
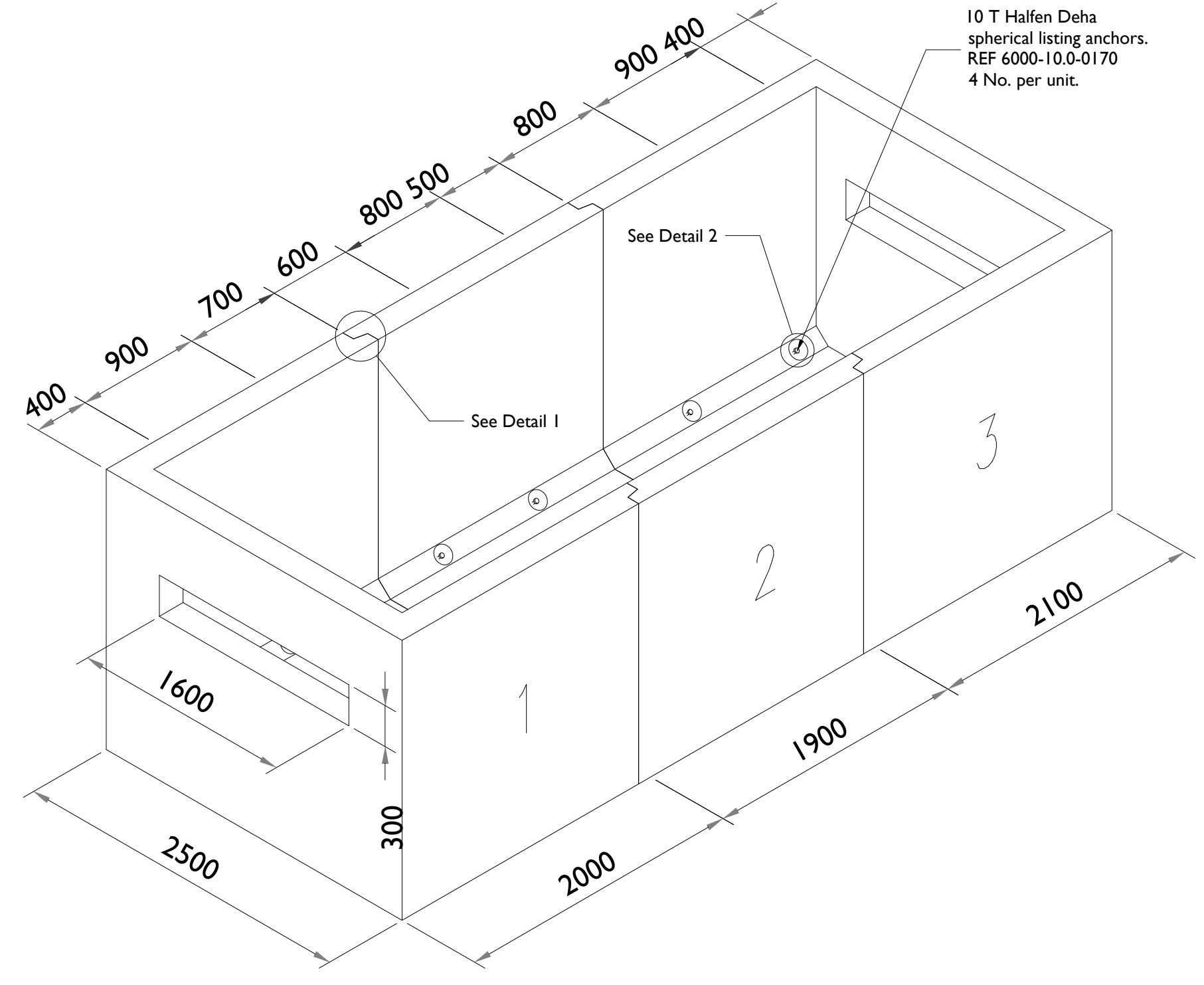


ISO A1 594mm x 841mm

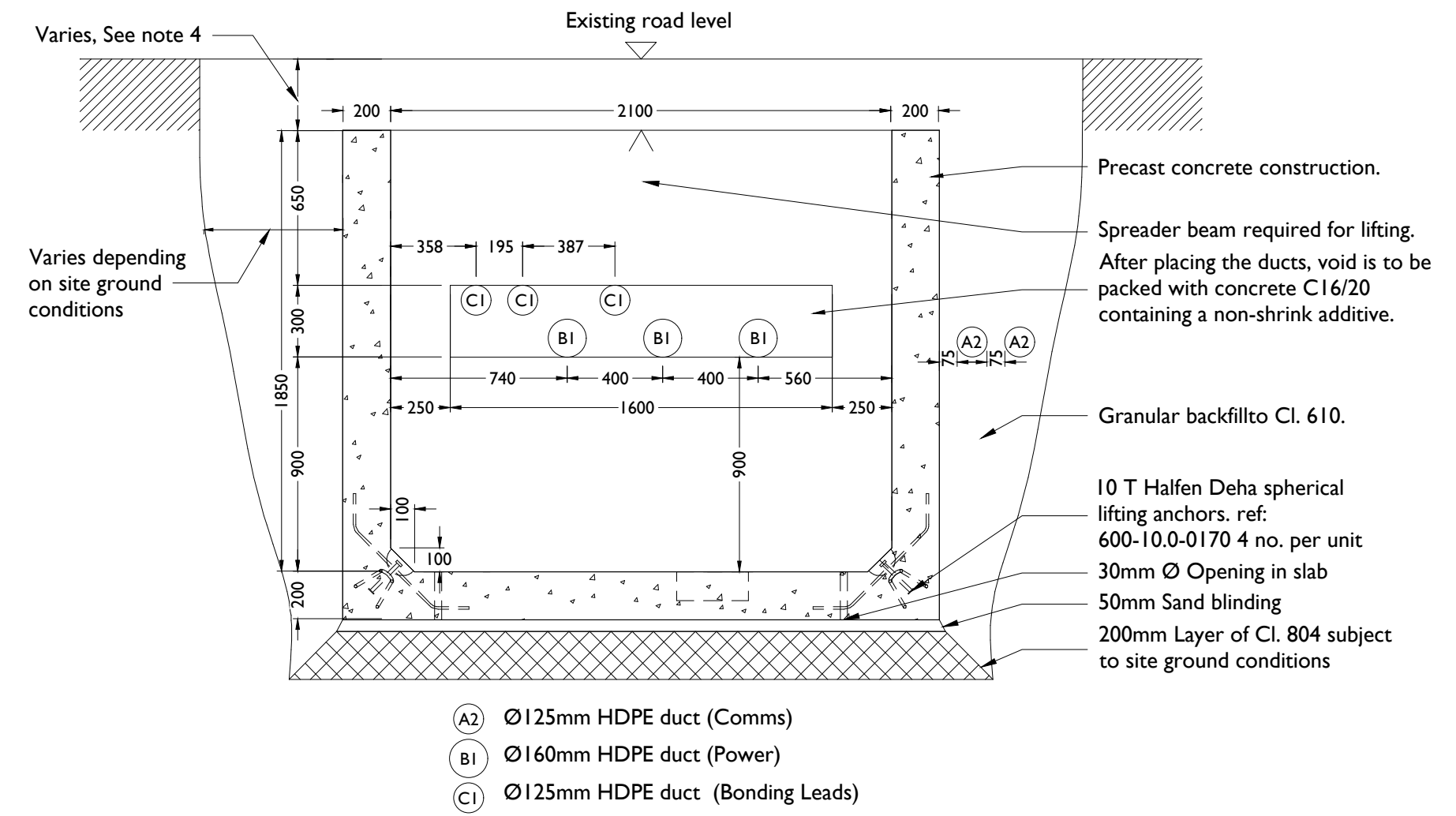
Project Management Initials: Designer: LP Checked: POS Approved: ER



Typical Plan of Joint Bay
Scale 1:25



Isometric: Joint Bay Arrangement
Scale: NTS



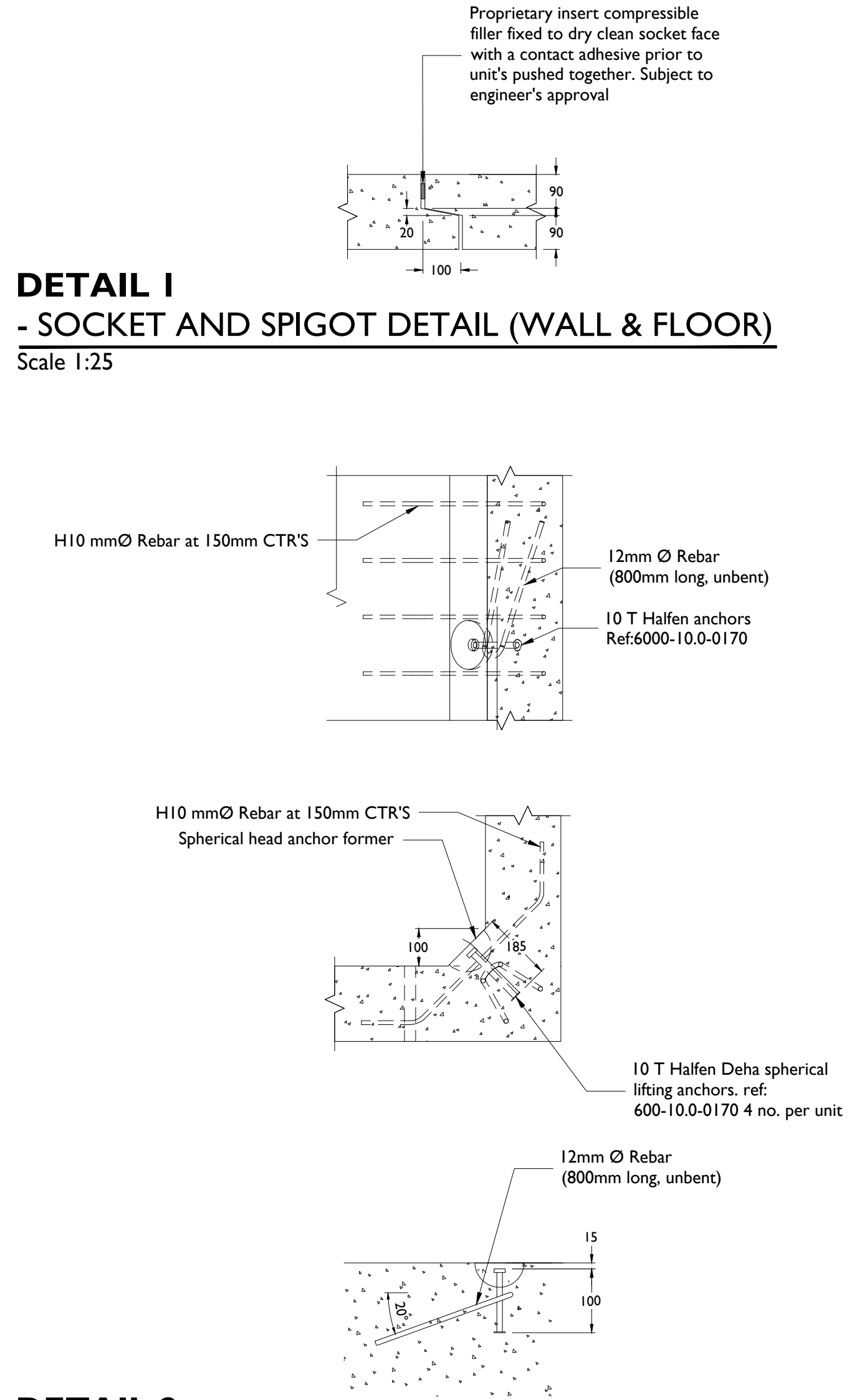
Section A-A
Scale 1:25

Concrete Specification to I.S. EN 206-1		
	Blinding & mass concrete, drainage pipe & manhole surroundings	Foundations & Walls
EXPOSURE CLASS	X0	XC2, XA2
MIN. CEMENT CONTENT (kg/m2)	240	340
MAX. WATER/CEMENT RATIO	-	0.50
CEMENT TYPE TO I.S. EN 197-1	CEM I N	CEM I N
CHLORIDE CONTENT CLASS	Cl. 1,0	Cl. 0,40
MAX. AGGREGATE	10	20
MIN. COVER (CMin) (mm)	-	40
*COMPRESSIVE STRENGTH CLASS	C16/20	C30/37
Notes 1. *C16/20 to be read as follows: 16 - Refers to min. Characteristic cylinder strength (N/mm2). 20 - Refers to min. Characteristic cube strength (N/mm2). 2. Design working life to be 50 years minimum.		

Table 1

- General Notes:**
1. This drawing is to be used only for the purpose of issue and is subject to amendment.
 2. This drawing is to be read in conjunction with all other relevant information.
 3. Do not scale from this drawing, use only printed dimensions.
 4. The final joint bay design will be agreed with EirGrid and may vary slightly to the detail shown. The final depth of joint bay below ground will be agreed with EirGrid and Cork County Council.
 5. All precast concrete elements to be manufactured to B.S. EN 13369:2004 "common rules for precast concrete products"
 6. Lifting inserts to be designed & installed to PD CEN/TR 15728:2008 "design and use of inserts for lifting and handling of precast concrete elements."
 7. Specified lifting inserts have a S.W.L. of 10 tonne.
 8. Location and specification of lifting inserts are assumed to facilitate demoulding and handling in precast manufacturing factory. It is the responsibility of the customer to notify Eirgrid if these are unsuitable for their manufacturing methodology. Eirgrid is to be informed of any alternative lifting locations for factory handling & demoulding.
 9. Concrete to have a minimum strength of 30 N/mm2 prior to handling of demoulding.
 10. Customer is to ensure that a method statement and risk assessment, including a lifting plan, is produced for installation and are available to Eirgrid for review if requested. Lifting plan to incorporate requirements of lifting inserts and lifting loop eyes.
 11. A minimum lifting sling angle of 50° to the horizontal is required.
 12. A lifting system which ensures all lifting points take on an equal load is required.
 13. Halfen Deha spherical lifting anchors to be used as specified. Any deviation from this must be notified to Eirgrid by the customer. Lifting inserts to be installed as per manufacturer's guidelines and in accordance with PD CEN/TR 15728:2008.
 14. Formwork for precasting to be of a minimum standard of varnished wooden mould with planed boards.
 15. Cover to reinforcement to be 40mm.
 16. Concrete to be grade C30/37 as specified in table 1.
 17. All concrete to be in accordance with i.s. en 206-1:2013 with the mix designs shown in table 1.
 18. Link box chamber to be positioned at the edge of or off road.
 19. Allowable bearing pressure to be at least 185kPa.
 20. For highly aggressive environments, table 1 is not applicable. Consult with Eirgrid for bespoke design.
 21. Joint bay to be uniformly backfilled in layers not exceeding 300mm thick.
 22. Where joint bay is to be installed adjacent to trafficked lane, a 1m wide lateral safety zone is to be provided to satisfy design loading assumptions.
 23. Customer is responsible for all traffic management including where necessary safety barriers, as per D.R.A.
 24. Link box chamber and C2 comm chamber final positioning to be agreed with Eirgrid prior to installation.

DETAIL 1
- SOCKET AND SPIGOT DETAIL (WALL & FLOOR)
Scale 1:25



DETAIL 2
- Lifting Eye Detail
Scale 1:25



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PROJECT

Ballinrea 110kV Grid Route
SI46B Alteration Application

CLIENT



CONSULTANTS

NOTES: -

LEGEND: -

Progress Print
Not Issued for Construction
02.03.26

ISSUE/REVISION

P4	02.03.26	Issued For Planning Amendment
P3	25.02.26	Issued For Planning Amendment
P2	03.02.26	Issued For Planning Amendment
P1	12.12.25	Issued For Planning Amendment
I/R	DATE	DESCRIPTION

PROJECT NUMBER

300-101179

SHEET TITLE

Typical Joint Bay-
General Arrangement
No ECC Duct

SHEET NUMBER

300101179-DR-810