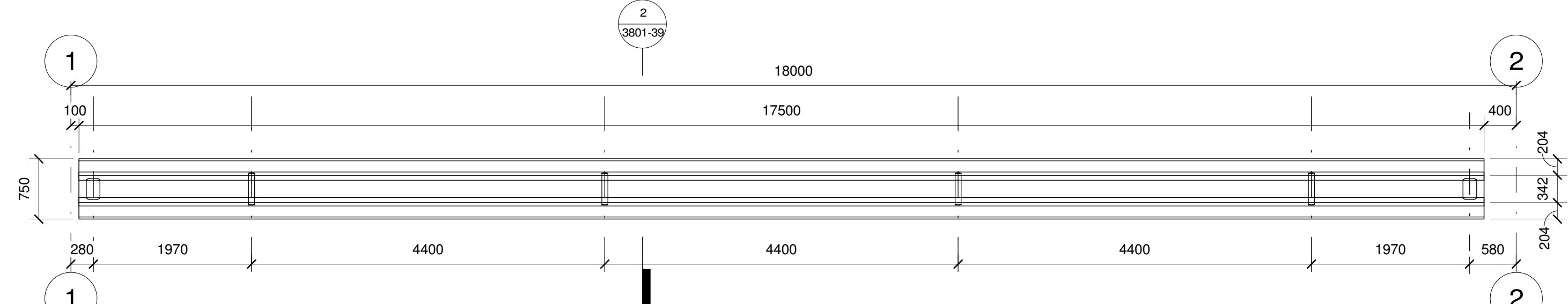


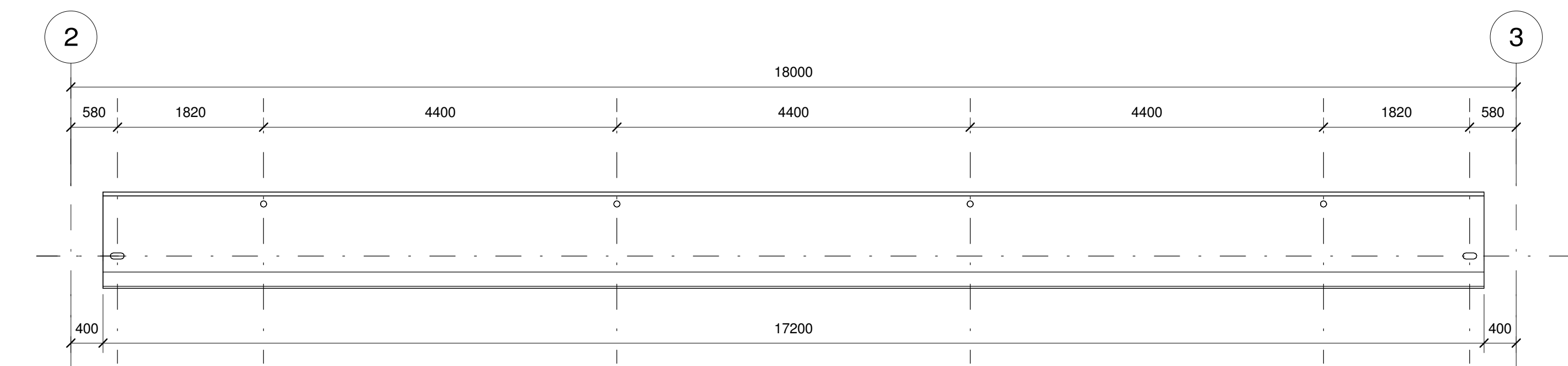
END SPANS PRECAST BEAM Y6 ELEVATION

SCALE 1 : 50



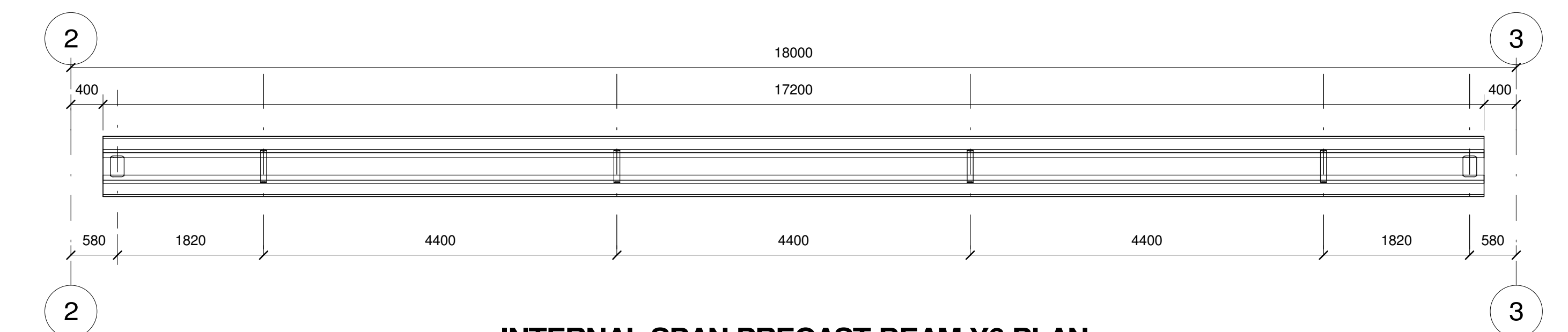
END SPAN PRECAST BEAM Y6 PLAN

SCALE 1 : 50



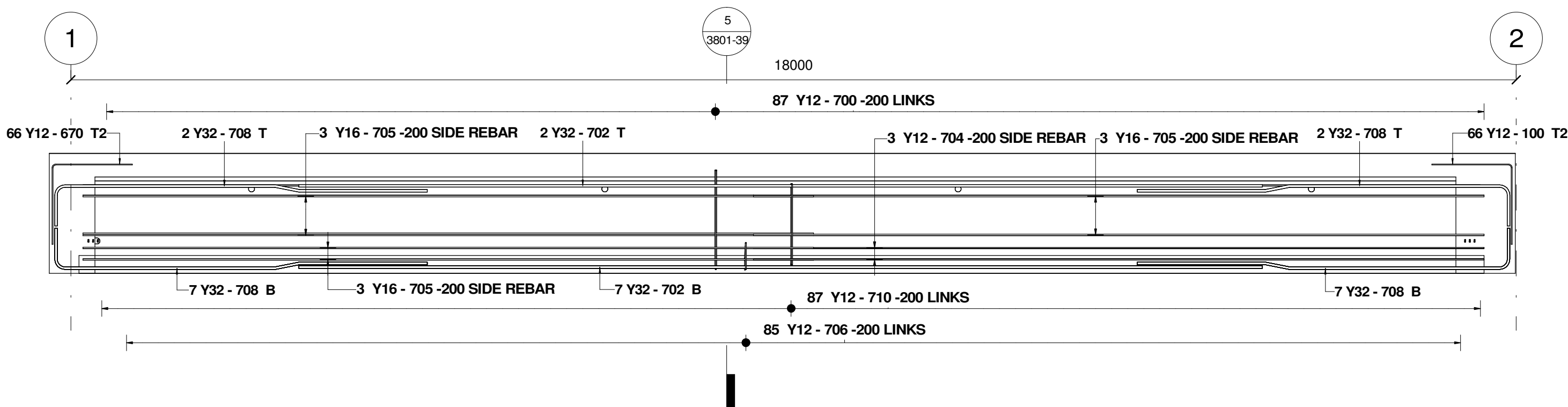
INTERNAL SPANS PRECAST BEAM Y6 ELEVATION

SCALE 1 : 50



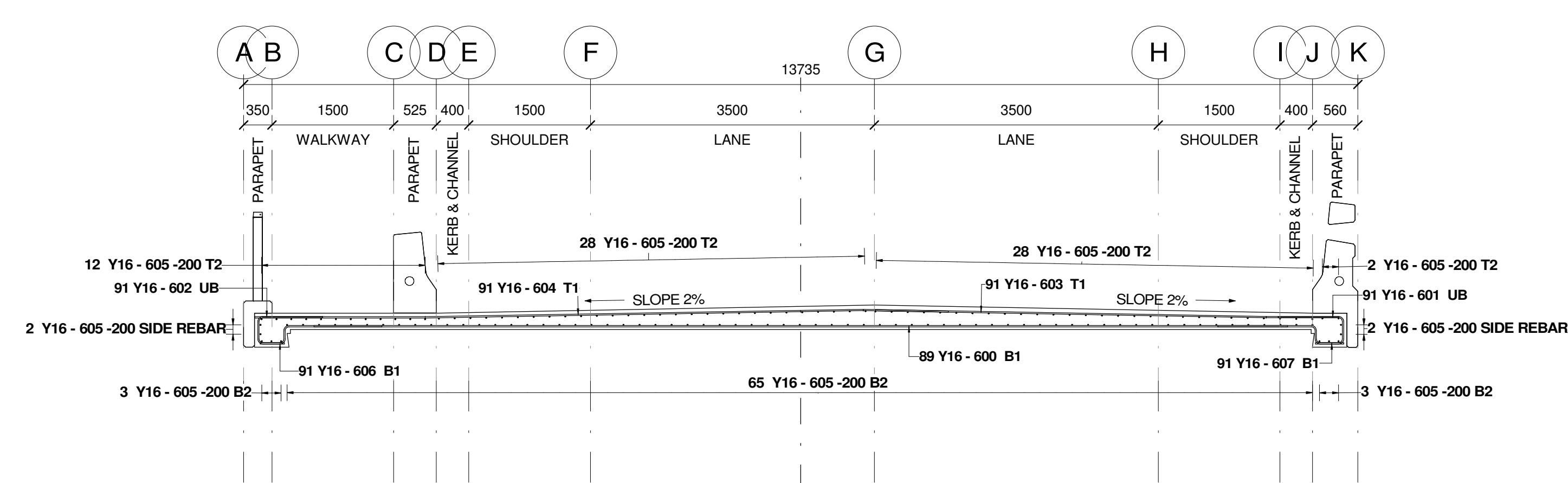
INTERNAL SPAN PRECAST BEAM Y6 PLAN

SCALE 1 : 50



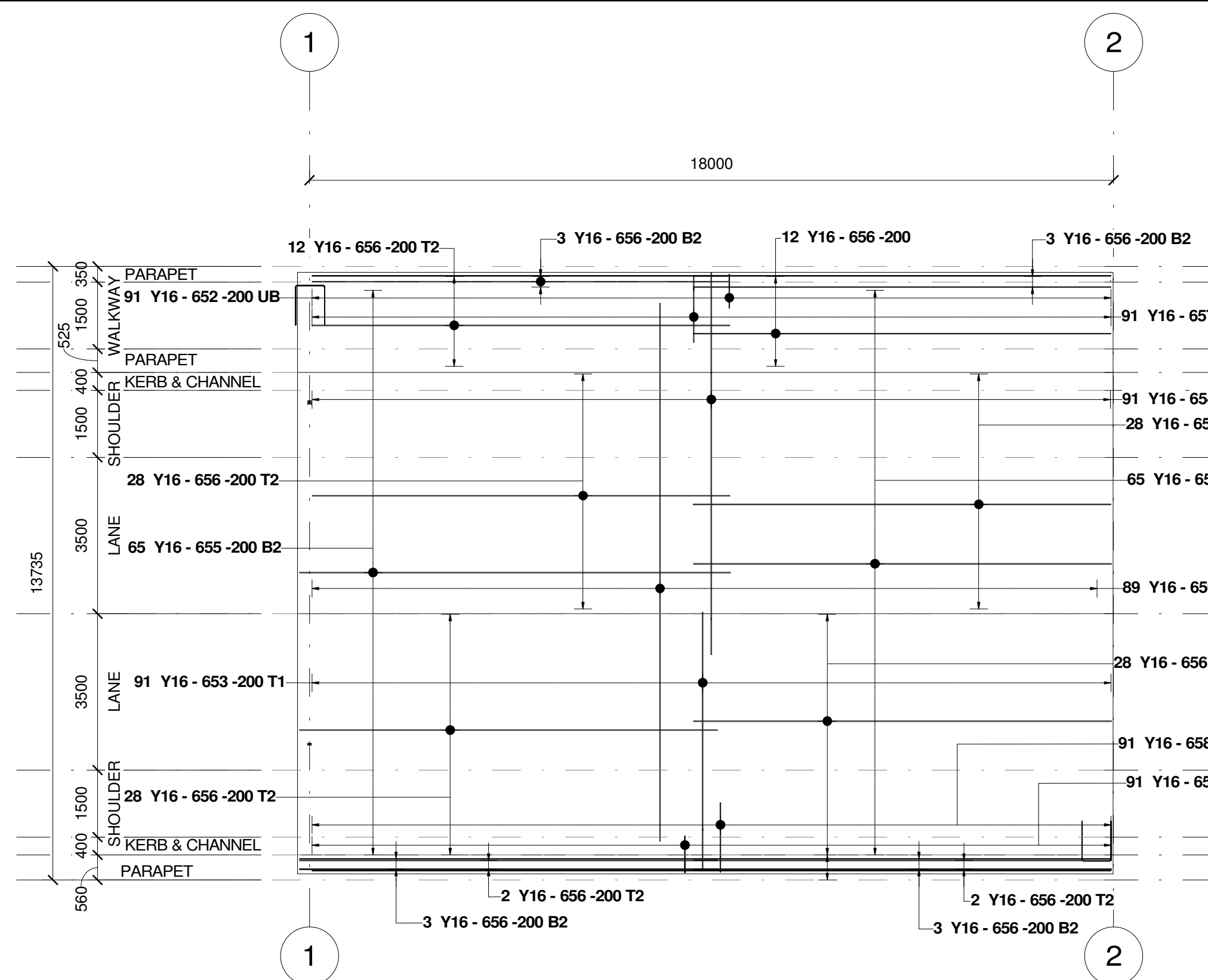
PRECAST END SPAN BEAM Y6 ELEVATION REINFORCED DETAILS

SCALE 1 : 50



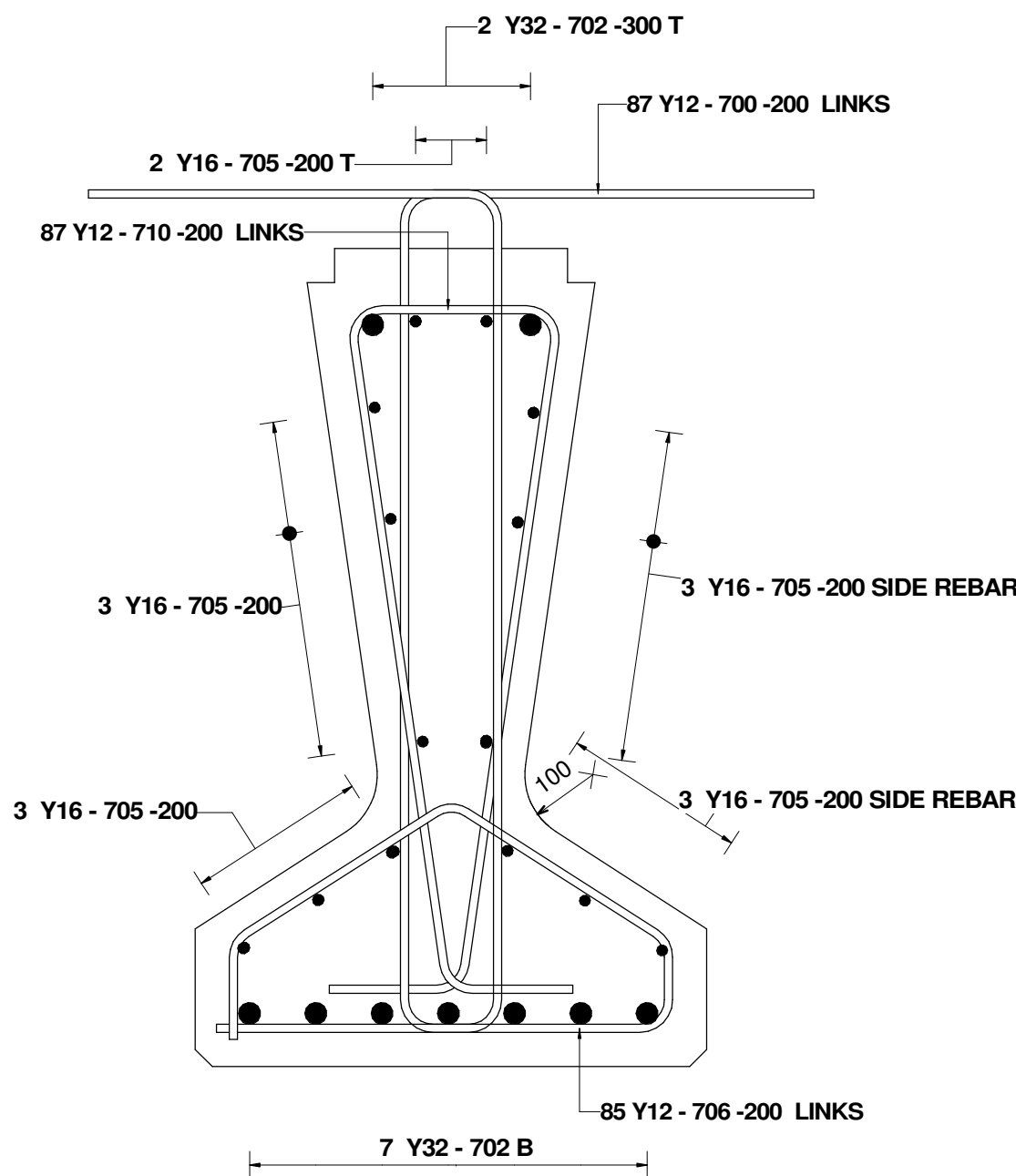
DECK SECTION REINFORCEMENT DETAILS

SCALE 1 : 50



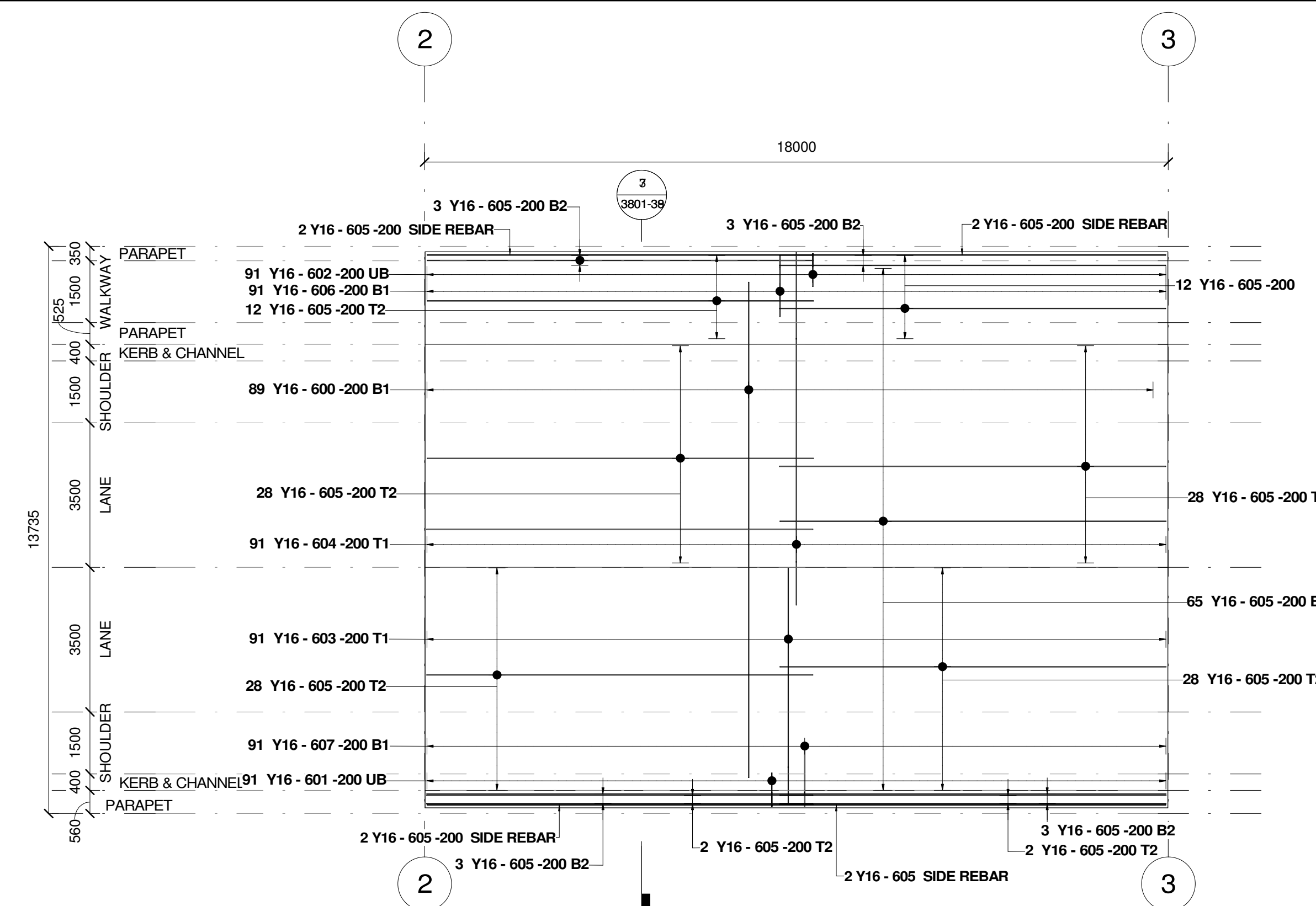
TYPICAL BRIDGE DECK END SPAN REBAR DETAILS (2 Nos)

SCALE 1 : 100



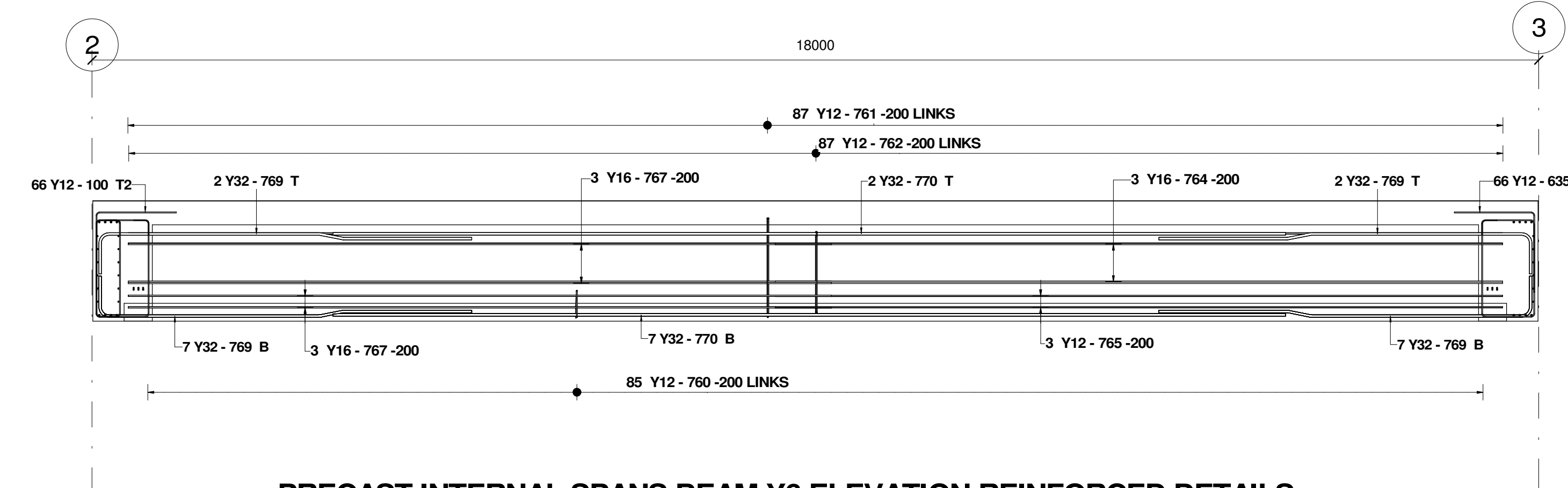
Y6 CROSS SECTION REINFORCEMENT DETAILS

SCALE 1 : 10



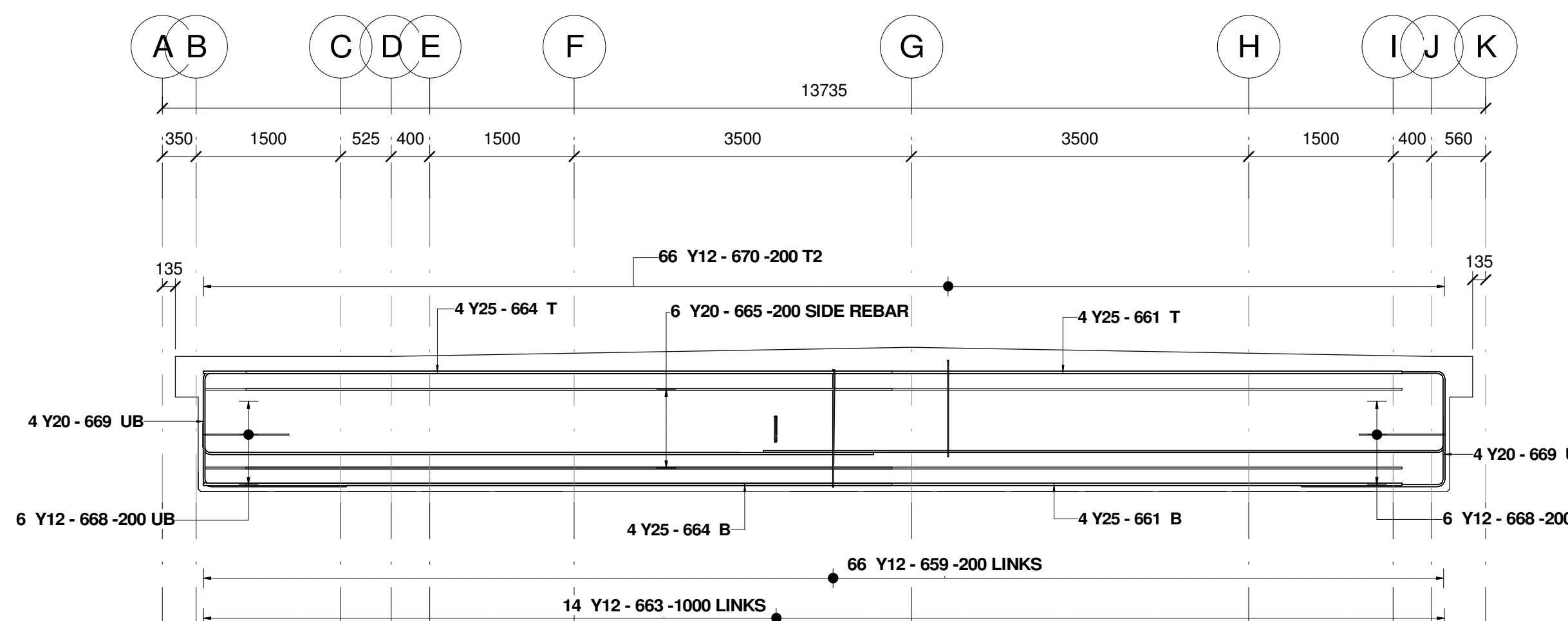
TYPICAL BRIDGE DECK INTERNAL SPAN REBAR DETAILS (8 Nos)

SCALE 1 : 100



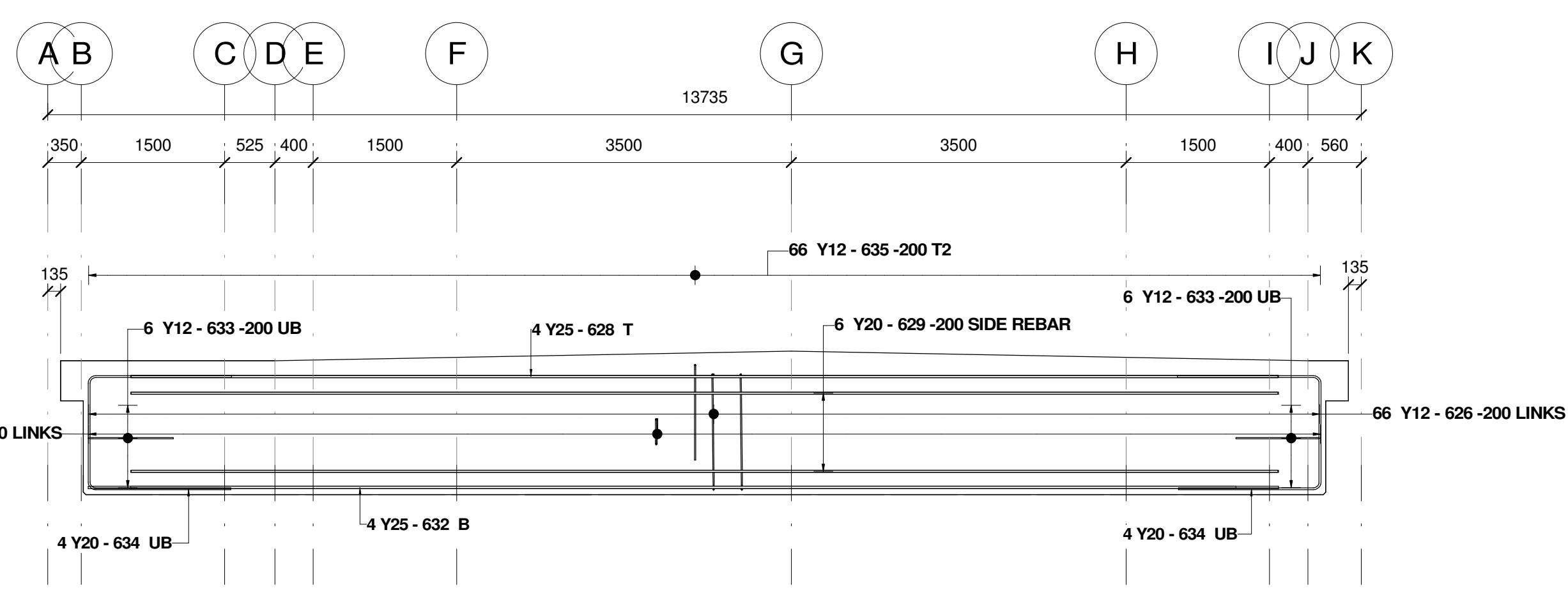
PRECAST INTERNAL SPANS BEAM Y6 ELEVATION REINFORCED DETAILS

SCALE 1 : 50



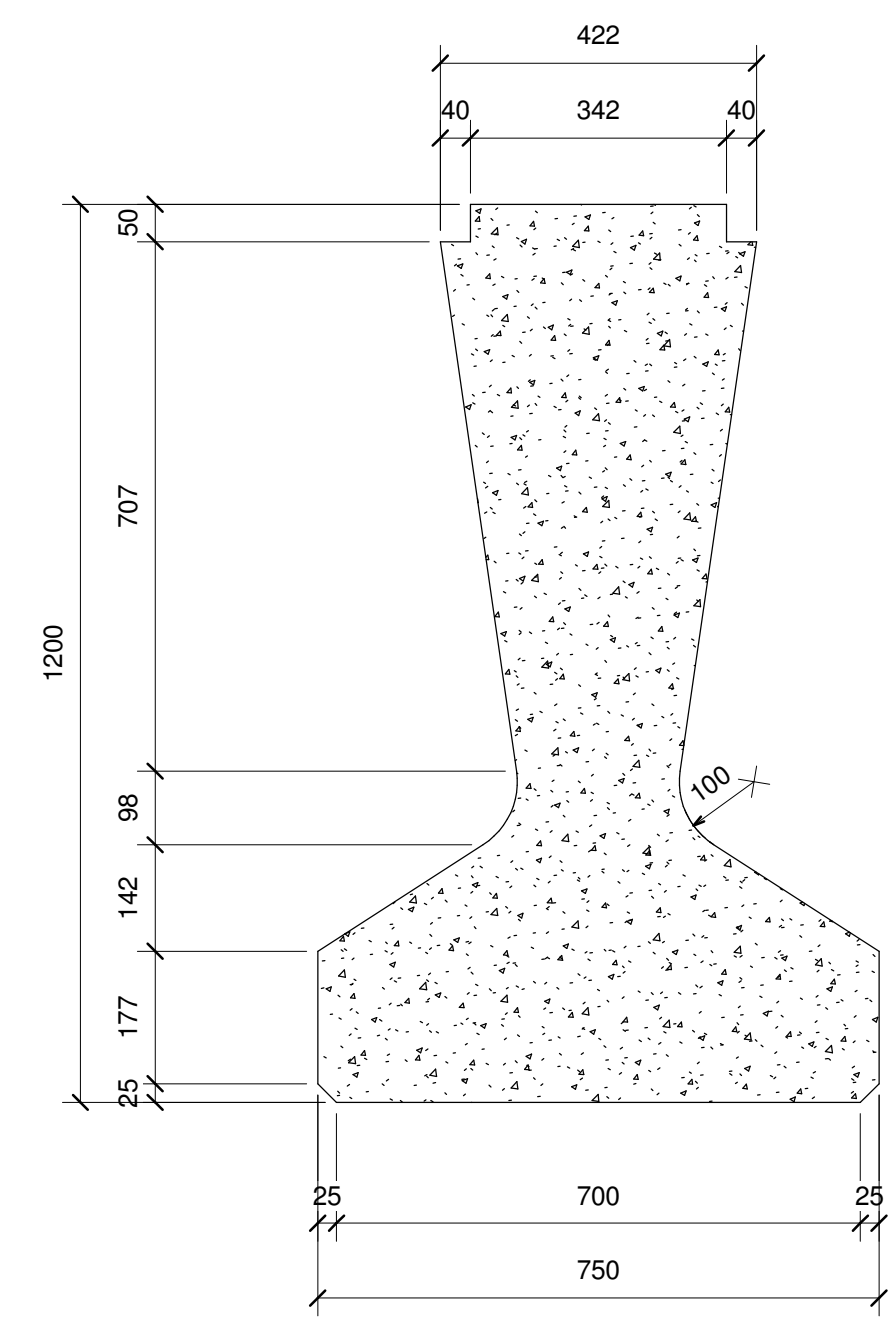
DECK DIAPHRAGM ON ABUTMENTS REINFORCEMENT DETAILS (2 Nos)

SCALE 1 : 50



DECK DIAPHRAGM ON PIERS REINFORCEMENT DETAILS (16 Nos)

SCALE 1 : 50



Y6 CROSS SECTION

SCALE 1 : 10

- PRECAST BEAM NOTES**
- CONCRETE
 - CONCRETE COMPRESSIVE STRENGTH 40/19 (40 MPa)
 - CONCRETE SURFACE FINISH TO BEAM SIDES AND SOFFIT SHALL BE F3
 - CONCRETE FINISH TO BEAM TOP CLASS U1
 - CONCRETE COVER SHALL BE 40mm TO BEAM SIDES
 - CONCRETE COVER SHALL BE 40mm TO BEAM SOFFIT
 - STEEL REINFORCEMENT
 - REINFORCEMENT DETAILED IN ACCORDANCE WITH SABS 0144 - 1995 ABBREVIATIONS :
 - B1 - LOWEST BOTTOM LAYER
 - B2 - SECOND LOWEST BOTTOM LAYER
 - T1 - TOPMOST TOP LAYER
 - T2 - SECOND HIGHEST TOP LAYER
 - EF - EACH FACE
 - NF - NEAR FACE
 - FF - FAR FACE
 - ALT. - ALTERNATING
 - STG. - STAGGERED
 - MINIMUM LAP LENGTH TO BE 50 x DIA. OF THE SMALLER BAR
 - REINFORCEMENT TO CONFORM TO SABS 920 - 1985
 - HOT ROLLED HIGH YIELD STRESS DEFORMED (Y) BARS - CHARACTERISTIC STRENGTH 450 MPa
 - HOT ROLLED ROUND MILD STEEL (R) BARS - CHARACTERISTIC STRENGTH 250 MPa
 - HANDLING OF PRECAST BEAM
 - MASS OF THE IS 16 TONNES
 - BEAMS SHALL BE SUSPENDED IN A VERTICAL POSITION DURING LIFTING POSITION SHALL BE LOCATED NOT GREATER THAN 500mm FROM EACH END OF THE BEAM
 - PRECAMBER OF PRECAST BEAM
 - PRECAST BEAM SHALL BE CAST WITH AN UPWARDS PRECAMBER AS DETAILED.
 - THE PRECAMBER AT THE BEAM CENTER SHALL BE 14mm AS INDICATED.

			AS BUILT		Continued from : Continued on :		Designed by : Designer Checked by : Checker		 transport Department: Transport Province of KwaZulu-Natal	Designed by :  71 Fifth Avenue Morningside Durban 4001 Tel: (031) 324 2200 Fax: (031) 324 2222 email:info@ibhongo.co.za		Structural Design: Chief Engineer	PROVINCIAL ROAD P52/3 - NONGOMA TO PONGOLA S 27 39 47.18 E 31 43 12.14		Staked km distance 18.700		Sheet : 39 of : 51	
					Cross Section No :		Drawn by : Author						PROPOSED MKHUZE RIVER BRIDGE		Scale : As indicated		Ibhongo Dwg No: 2203-SRD-212	
					Longitudinal Section No :		Checked by : Designer						BRIDGE DECK REINFORCEMENT DETAILS				DOT Dwg No: 3801-39	
					Survey Plan No :		Date of approval :						Head: Transport					
A Rev			28-09-2023 Date		ISSUED FOR APPROVAL Description		BM Checked		Signed									
					AMMENDMENTS													