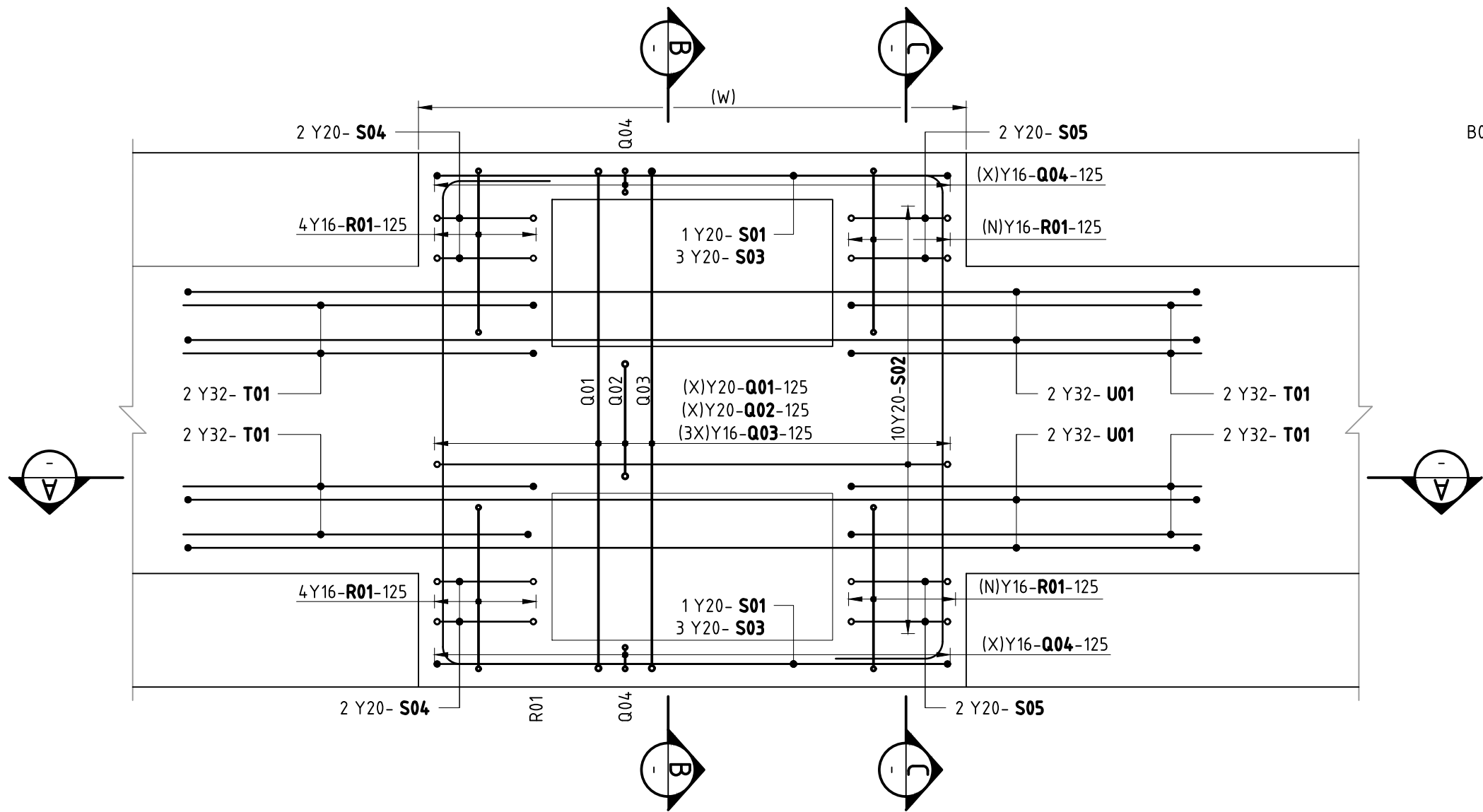
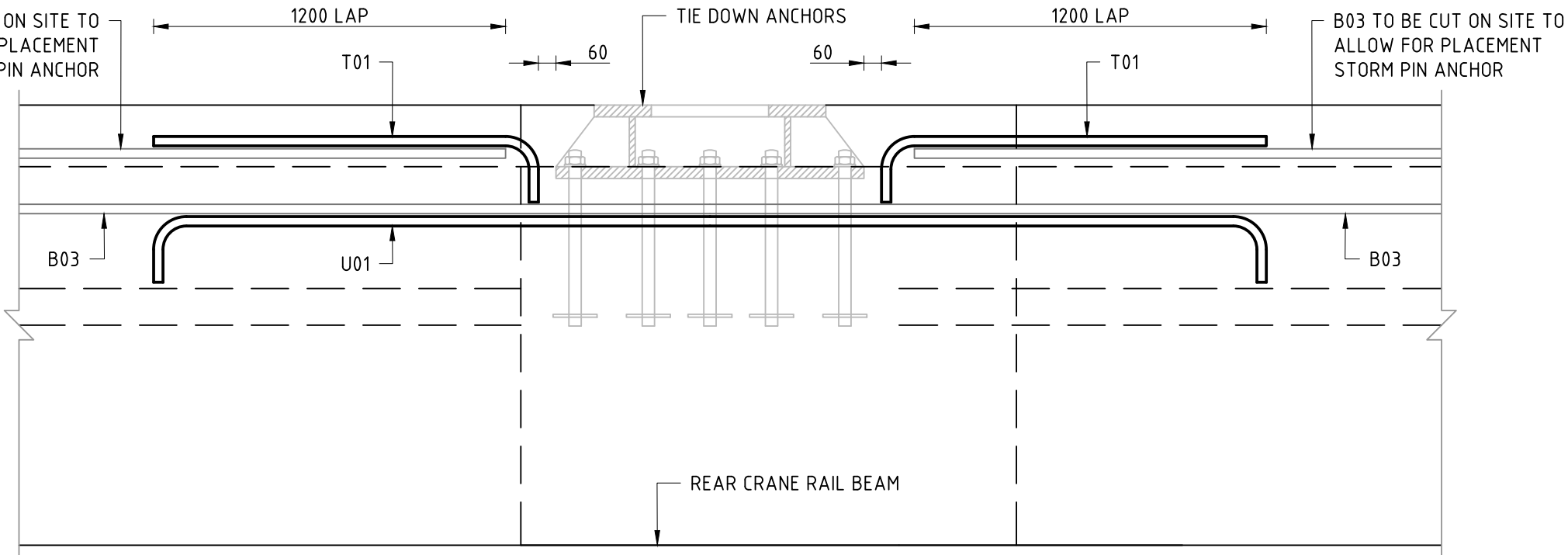


DO NOT SCALE - IF IN DOUBT, ASK



PLAN: STORM PIN ANCHOR WIDENING TYPES 1-7 REINFORCING DETAILS

1:20



SECTION A

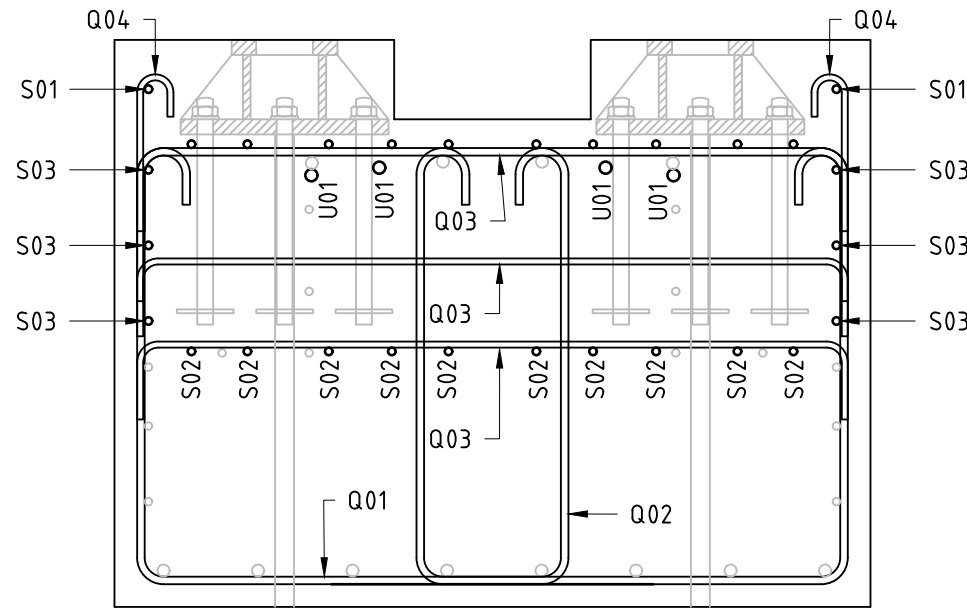
1:20

TABLE 1 CRANE BEAM WIDENING TO ACCOMMODATE STORM PIN ANCHORS							
	NO. OFF	LENGTH OF WIDENIN G	DIM FROM ANCHOR CENTRE LINE		NO. OF ROWS OF TYPE Q REINFORCING	NO. OF ADDITIONAL ROWS OF R01 REINFORCING	BAR MARK OF FLEXURAL REINFORCING
		W (mm)	C (mm)	D (mm)			
SP TYPE 1	7	2050	1025	1025	17	4	S01A-S05A
SP TYPE 2	1	2805	1025	1780	23	6	S01B-S05B
SP TYPE 3	1	2165	1025	1140	18	1	S01C-S05C
SP TYPE 4	1	2385	1360	1025	20	3	S01D-S05D
SP TYPE 5	1	2865	1840	1025	23	6	S01E-S05E
SP TYPE 6	2	2185	1025	1160	18	1	S01F-S05F
SP TYPE 7	1	2365	1340	1025	19	2	S01G-S05G
SP TYPE 8	1	2685	1025	1660	22	5	S01H-S05H

NOTE:

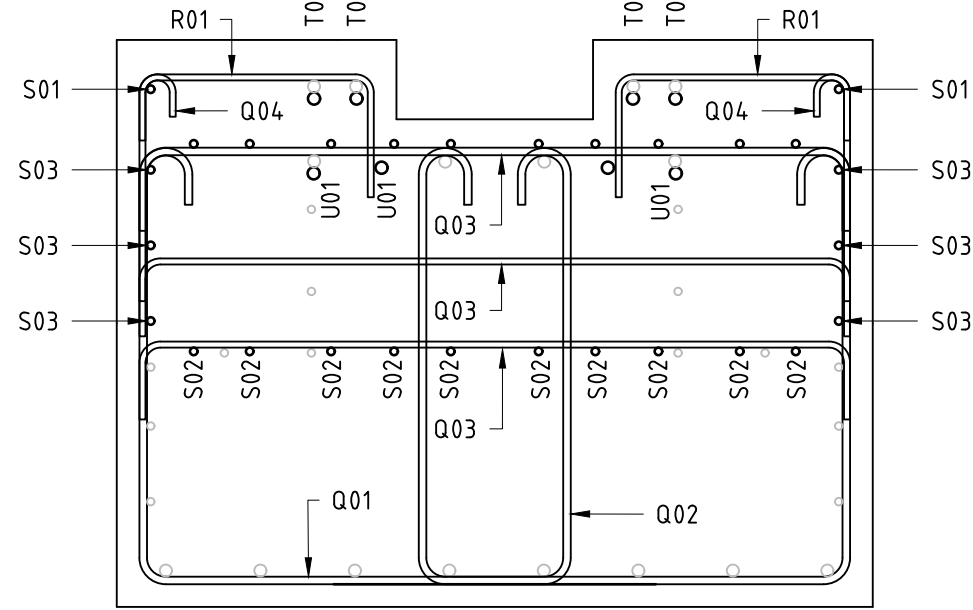
DIMENSION W VARIES ACCORDING TO THE TYPE OF BEAM WIDENING AS SHOWN IN TABLE 1.

AT EVERY STORM PIN ANCHOR POSITION THE TOP REINFORCING IS TO BE CUT ON SITE AND LAPPED WITH BAR TYPE Q02. BAR TYPE Q03 IS TO BE ADDED TO THE SECOND ROW OF REINFORCING TO PROVIDE THE NECESSARY FLEXURAL REINFORCEMENT AS SHOWN IN SECTION C.



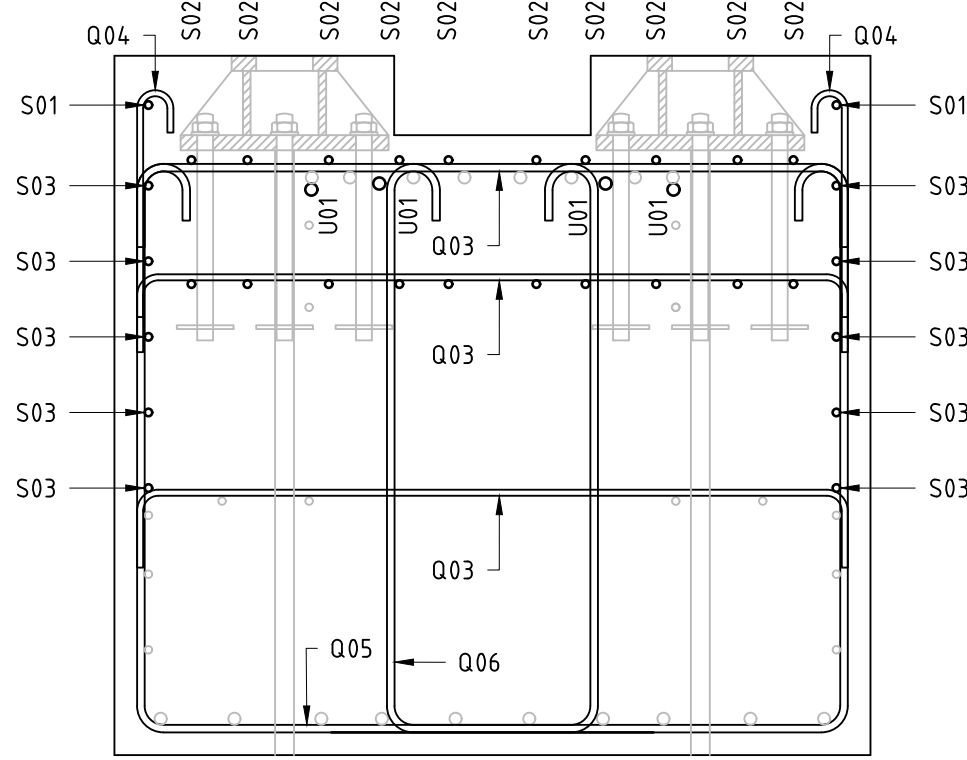
SECTION B

1:20



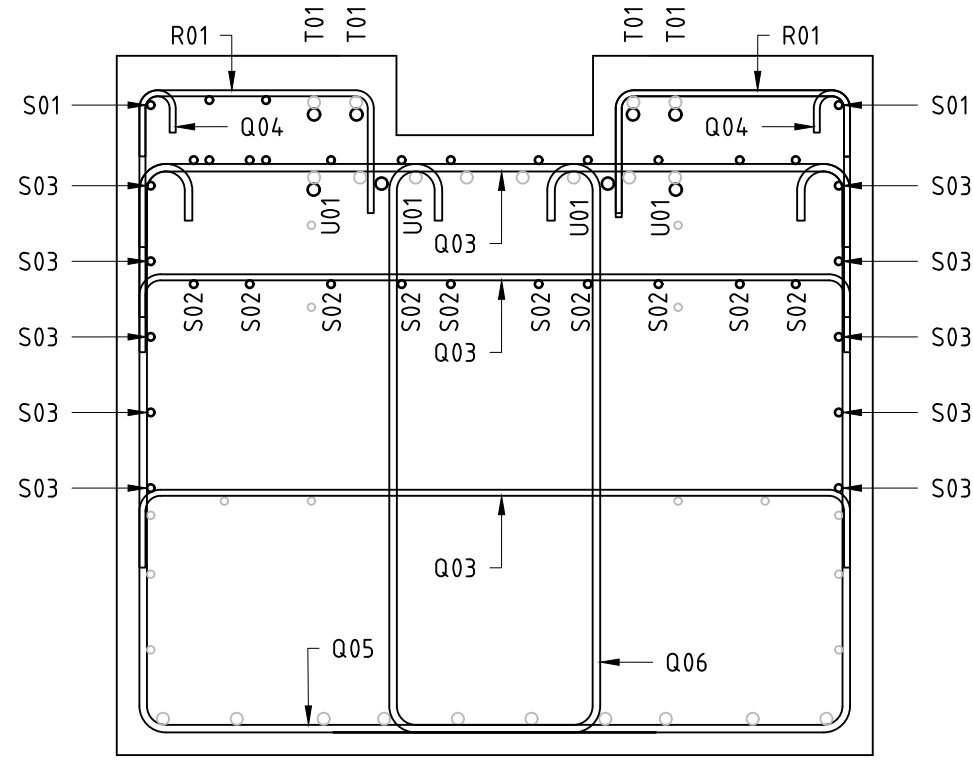
SECTION C

1:20



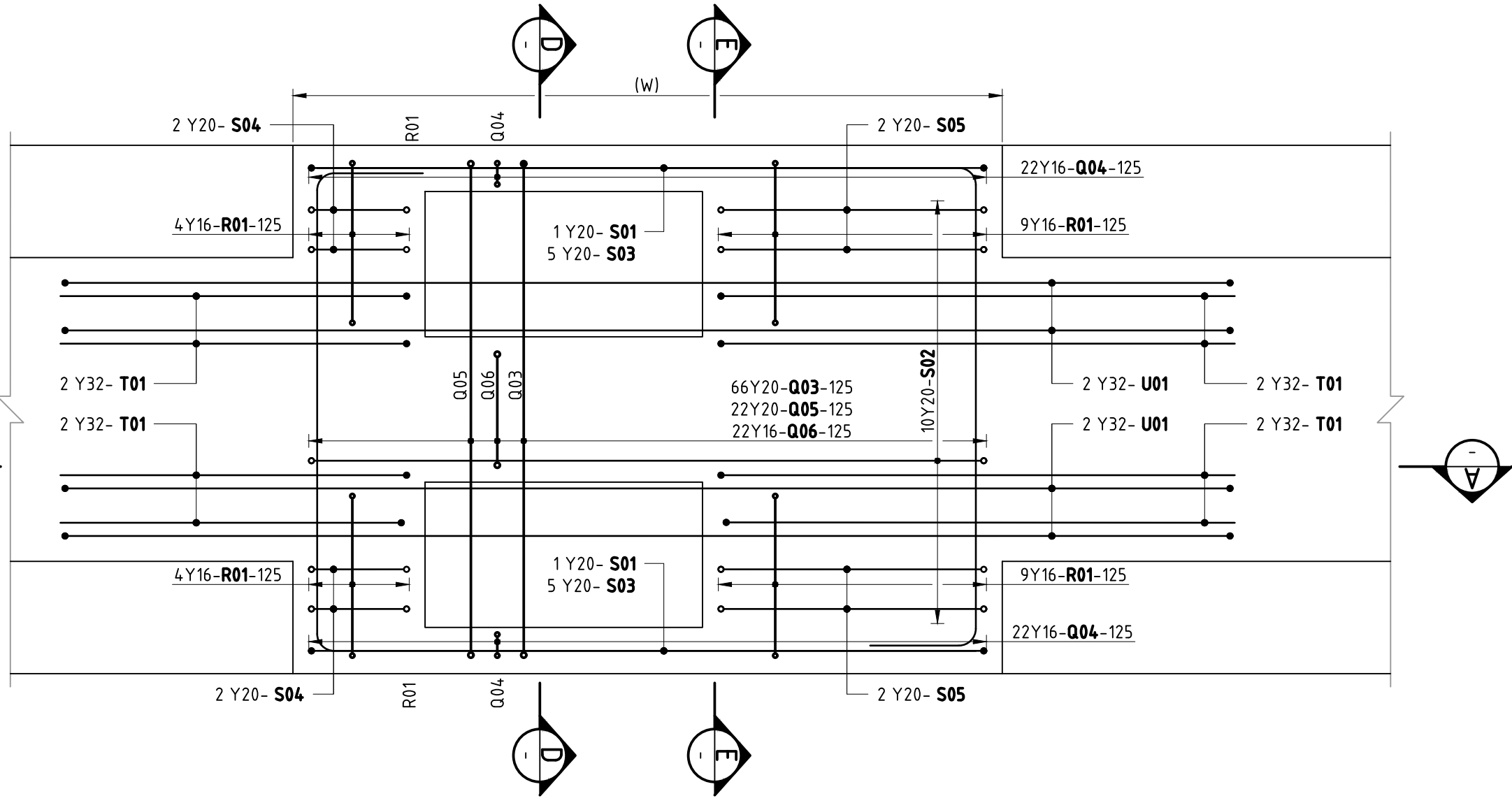
SECTION D

1:20



SECTION E


1:20



PLAN: STORM PIN ANCHOR WIDENING TYPE 8 REINFORCING DETAILS

1:20

		Engineers										EPCM CONSULTANT: TNPA		ORIGINATOR: ZAA		Transnet National Ports Authority	
												TITLE		TITLE		237 MAHATMA GANDHI ROAD	
												LEAD DES. ENG.		DRAWN		DURBAN	
												ENG. COORD.		CHECKED		P.O. BOX 31683, DURBAN	
												ENG. MANAGER		ENG. COORD.		TEL: 031 361 8852	
												AREA MANAGER		DISCIP. ENG.		PORT OF DURBAN	
												PROJECT MGR.		ENG. MANAGER			
												DIVISION		AREA MANAGER		DCT BERTHS 203 to 205 RECONSTRUCTION DEEPENING AND LENGTHENING	
												PR.ENG. / PR. TECH.		DATE			
												NAME		J. ZIETSMAN		REAR CRANE RAIL BEAM STORM PIN ANCHORS REINFORCING DETAILS	
												SIGNATURE		19/07/26			
												REG. NUMBER		760293		PROJECT NUMBER	
												SCALE :		OR AS NOTED			
												DIV.		FBS		DIS	
												TYPE		DRG. NO.		SHT.	
												REV.		ID			
												A1		21222830		1100	
												C		GA		1009	
												01		0A		DC	

					
		P O Box 26546		31 Melkhout Crescent	
		HOUT BAY 7872		Hout Bay 7806	
		Tel: +27(21) 791 9100		Fax: +27(21) 790 4470	
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1785		CO		100		C		DWG		001		001		01		T		O A	
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PROJECT NO	DIS CODE	AREA	DISP	TYPE	DRG NO	SHEET	STATUS	REV
1785	C0	100	C	DWG	0010	01	T	0A

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