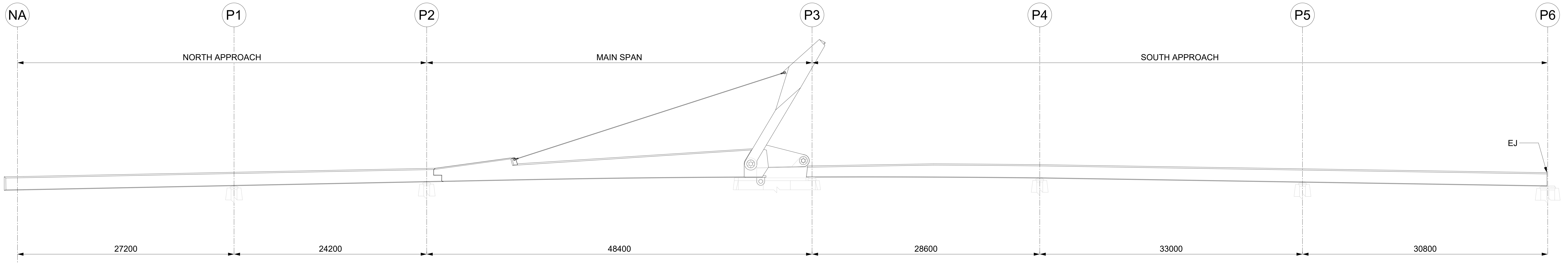
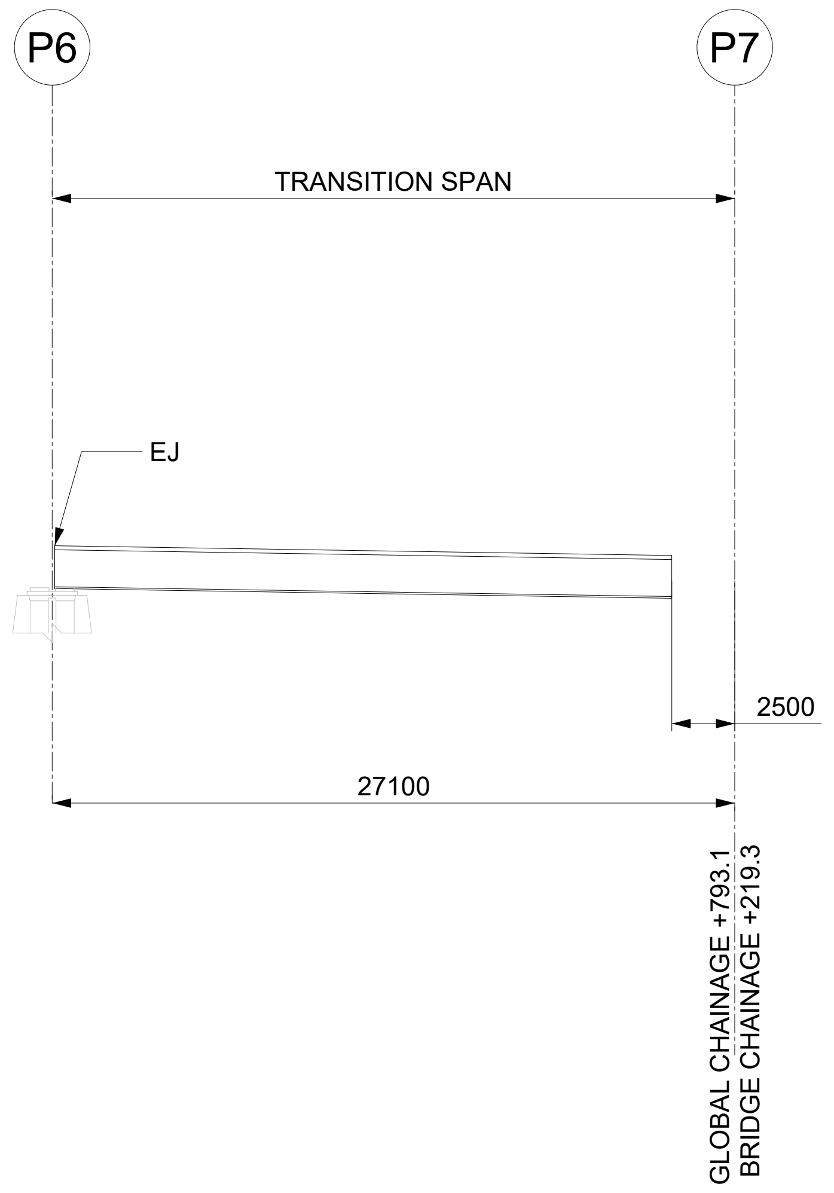
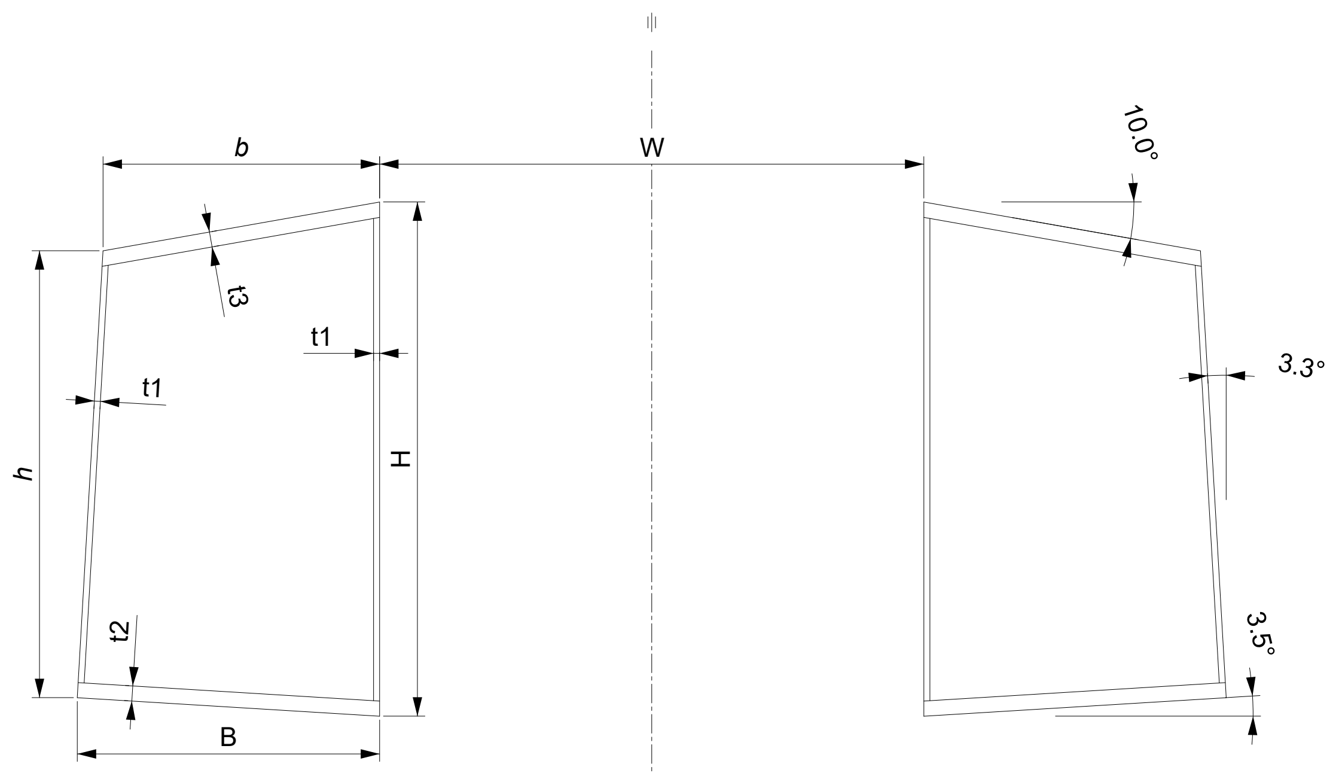


GLOBAL CHAINAGE +573.8
BRIDGE CHAINAGE +000.0

DEVELOPED ELEVATION

SHOWING LENGTHS MEASURED ON BRIDGE CENTRELINE
SCALE 1:300 (LENGTHS ONLY)





INDICATIVE SECTION THROUGH SPINE BEAMS

NOT TO SCALE. DIMENSIONS GIVEN IN TABLES

					NA												P1											P2	HALF JOINT
NORTH APPROACH	BRIDGE CHAINAGE			[m]	000.0	003.0	005.2	007.4	009.6	011.8	014.0	016.2	018.4	020.6	022.8	025.0	027.2	029.4	031.6	033.8	036.0	038.2	040.4	042.6	044.8	047.0	049.2	051.4	052.8
	SPINE-TO-SPINE WIDTH		W	[mm]	10800												10800												
	WEBS	INNER HEIGHT	H	[mm]	1700												1700												
		OUTER HEIGHT	h	[mm]	1478												1478												
		THICKNESS	t1	[mm]	TYPICALLY 20 TO 35												TYPICALLY 20 TO 40												
	BOTTOM FLANGE	WIDTH	B	[mm]	1000												1000												
		THICKNESS	t2	[mm]	TYPICALLY 30 TO 65												TYPICALLY 30 TO 65												
	TOP FLANGE	WIDTH	b	[mm]	915												915												
		THICKNESS	t3	[mm]	TYPICALLY 30 TO 65												TYPICALLY 30 TO 65												

					HALF JOINT																			P3 RAMS		P3 PIVOT
MAIN SPAN	BRIDGE CHAINAGE			[m]	052.8	055.8	058.0	060.2	062.4	064.6	066.8	069.0	071.2	073.4	075.6	077.8	080.0	082.2	084.4	086.6	088.8	091.0	093.2	095.4	097.6	100.9
	SPINE-TO-SPINE WIDTH		W	[mm]	10800																			10800		
	WEBS	INNER HEIGHT	H	[mm]	1700	1798	1896	1994	2092	2190	2288	2386	2484	2582	2680	2778	2876	2974	3072	3170	3268	3366	3464	3562	2504	2212
		OUTER HEIGHT	h	[mm]	1478	1577	1676	1775	1874	1973	2072	2171	2270	2369	2468	2567	2666	2765	2864	2963	3062	3161	3320	3419	2349	2055
		THICKNESS	t1	[mm]	TYPICALLY 30 TO 65																					
	BOTTOM FLANGE	WIDTH	B	[mm]	1000																		750			
		THICKNESS	t2	[mm]	TYPICALLY 50 TO 125																					
	TOP FLANGE	WIDTH	b	[mm]	915	909	903	898	892	886	881	875	869	863	858	852	846	841	835	829	823	818	559	553	615	632
		THICKNESS	t3	[mm]	TYPICALLY 50 TO 125																					

					P3													P4															P5														P6 EJ
SOUTH APPROACH	BRIDGE CHAINAGE			[m]	102.0	104.2	106.4	108.6	110.8	113.0	115.2	117.4	119.6	121.8	124.0	126.2	128.4	130.6	132.8	135.0	137.2	139.4	141.6	143.8	146.0	148.2	150.4	152.6	154.8	157.0	159.2	161.4	163.6	165.8	168.0	170.2	172.4	174.6	176.8	179.0	181.2	183.4	185.6	187.8	190.0	192.2	194.4
	SPINE-TO-SPINE WIDTH		W	[mm]	10800		10814	10849	10899	10969	11051	11138	11246	11369	11480	11564	11637	11698	11750	11790	11800												11800														
	WEBS	INNER HEIGHT	H	[mm]	1456	1468	1519	1571	1623	1674	1700							1700															1700														
		OUTER HEIGHT	h	[mm]	1231	1243	1295	1347	1399	1451	1478							1478															1478														
		THICKNESS	t1	[mm]	TYPICALLY 20 TO 50													TYPICALLY 20 TO 50															TYPICALLY 20 TO 50														
	BOTTOM FLANGE	WIDTH	B	[mm]	1000													1000															1000														
		THICKNESS	t2	[mm]	TYPICALLY 70 TO 85													TYPICALLY 45 TO 85															TYPICALLY 20 TO 100														
	TOP FLANGE	WIDTH	b	[mm]	929	928	925	922	919	916	915							915															915														
		THICKNESS	t3	[mm]	TYPICALLY 70 TO 85													TYPICALLY 45 TO 85															TYPICALLY 20 TO 100														

					EJ P6											P7
TRANSITION SPAN	BRIDGE CHAINAGE			[m]	194.4	196.6	198.8	201.0	203.2	205.4	207.6	209.8	212.0	214.2	216.4	216.8
	SPINE-TO-SPINE WIDTH		W	[mm]	11800											
	WEBS	INNER HEIGHT	H	[mm]	1700											
		OUTER HEIGHT	h	[mm]	1478											
		THICKNESS	t1	[mm]	TYPICALLY 20 TO 40											
	BOTTOM FLANGE	WIDTH	B	[mm]	1000											
		THICKNESS	t2	[mm]	TYPICALLY 30 TO 50								TYPICALLY 60 TO 80			
	TOP FLANGE	WIDTH	b	[mm]	915											
		THICKNESS	t3	[mm]	TYPICALLY 30 TO 50								TYPICALLY 60 TO 80			

NOTES

1. These drawings shall be read in conjunction with the Preliminary Design Report, CP1901_3FM-COWI-SBR-SP-RP-S-00002

2. Structural steelwork Grade 355+W to IS EN 10025 typically.

3. Dimensions, including plate thicknesses, to be confirmed during detailed design.

rev	amendments	check	date
3	Revised for Planning Comments	OLSS	28/06/24
2	Revised for Stage Approval	OLSS	19/04/24
1	Transition Span Added	OLSS	09/11/23
0	First Issue	OLSS	31/05/23

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Client
COMHLACHT CHALAFORT
ÁTHA CLIATH
DUBLIN PORT COMPANY

Project
3FMProject
Bringing Dublin Port To 2040

Title
SPAR Bridge
Material Distribution

Project Number: CP1901_3FM
Sheet Size: A1
Drawing Scale: As Shown

Drawing Number: COWI-SBR-SP-DR-S-100-00080

Drawn By: C. Fleming
Status: S4
Revision: 3

Checked By: O. Stross
Approved By: O. Stross
Date: 28/06/2024