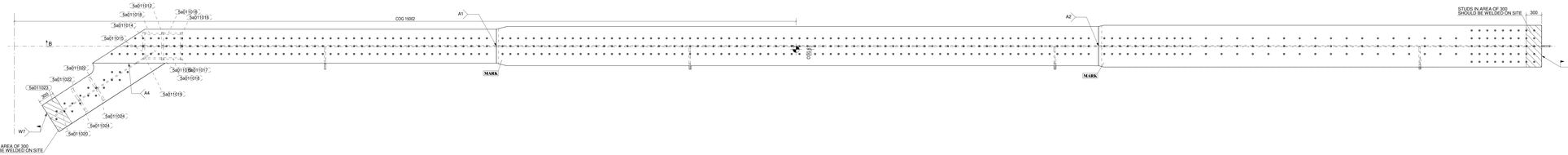
Phase	Assembly	Number	Cargo No.	Sheet
111	Sa01-101	1	2473-10010	

ASSEMBLY LIST — Assembly No.:Sa01-101 — length (mm): 3773

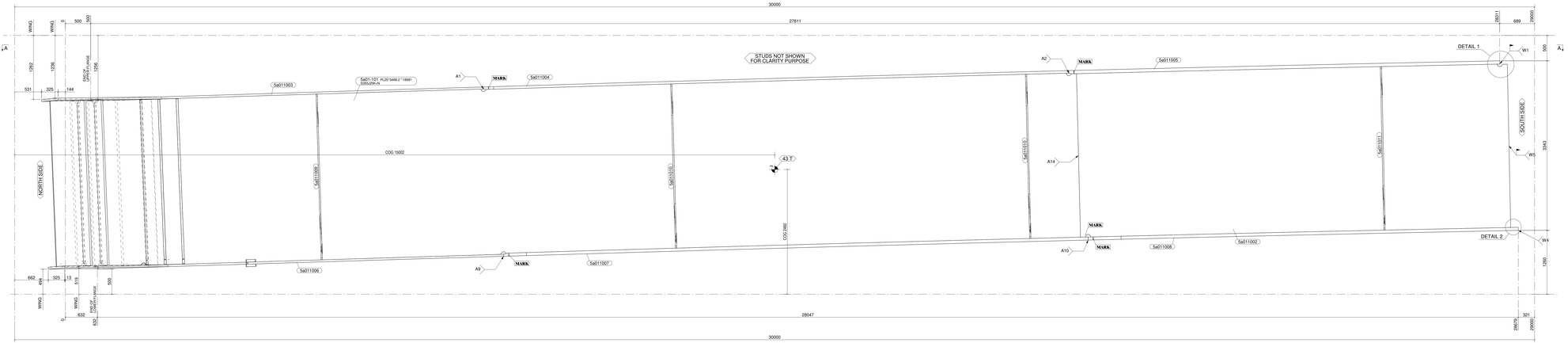
Corrosion protection:

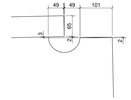
Camber: — number : 1

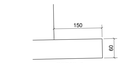
Comment	Part	Profile	Material	Number	Length (mm)
	Sa01-101	PLD/13468.2	S355J2W+N	1	18981
	Sa01002	PLD/13264.3	S355J2W+N	1	8507
	Sa01003	PLW1900	S355J2W+N	1	7755
		D 19		45	175
		D 19		49	175
		D 19		49	175
	Sa01004	PLW750	S355J2W+N	1	11959
		D 19		42	175
		D 19		45	175
		D 19		45	175
		D 19		49	175
		D 19		49	175
	Sa01005	PLW1900	S355J2W+N	1	8507
		D 19		6	175
		D 19		18	175
		D 19		21	175
		D 19		21	175
		D 19		21	175
		D 19		49	175
	Sa01006	PLW1900	S355J2W+N	1	8024
	Sa01007	PLW1875	S355J2W+N	1	11941
	Sa01008	PLW1/1200	S355J2W+N	1	8482
	Sa01009	PLW1/30	S355J2W+N	1	3268
	Sa01010	PLW1/30	S355J2W+N	2	3238
	Sa01011	PLW1/30	S355J2W+N	1	3203
	Sa01012	PLW1250	S355J2W+N	1	3268
	Sa01013	PLW1250	S355J2W+N	1	3268
	Sa01014	PLW1250	S355J2W+N	1	3268
	Sa01015	PLW1222.5	S355J2W+N	1	3268
	Sa01016	PLW1250	S355J2W+N	1	3268
	Sa01017	PLW1250	S355J2W+N	1	3268
	Sa01018	PLW1300	S355J2W+N	2	3271
	Sa01019	PLD/1305.1	S355J2W+N	1	3271
	Sa01019	PLD/13447.3	S355J2W+N	1	3271
	Sa01020	PLW1288.9	S355J2W+N	1	3219
	Sa01021	PLW1750	S355J2W+N	1	2425
	Sa01022	PLW1750	S355J2W+N	2	2425
	Sa01023	PLW1750.9	S355J2W+N	1	2425
		D 19		1	175
		D 19		1	175
		D 19		1	175
		D 19		3	175
		D 19		3	175
		D 19		3	175
		D 19		3	175
		D 19		2	175
	Sa01024	PLW2250	S355J2W+N	2	3373
	Sa01025	PLL10140	S355J2W+N	1	422
	Sa01026	PLL10140	S355J2W+N	1	422

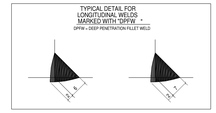


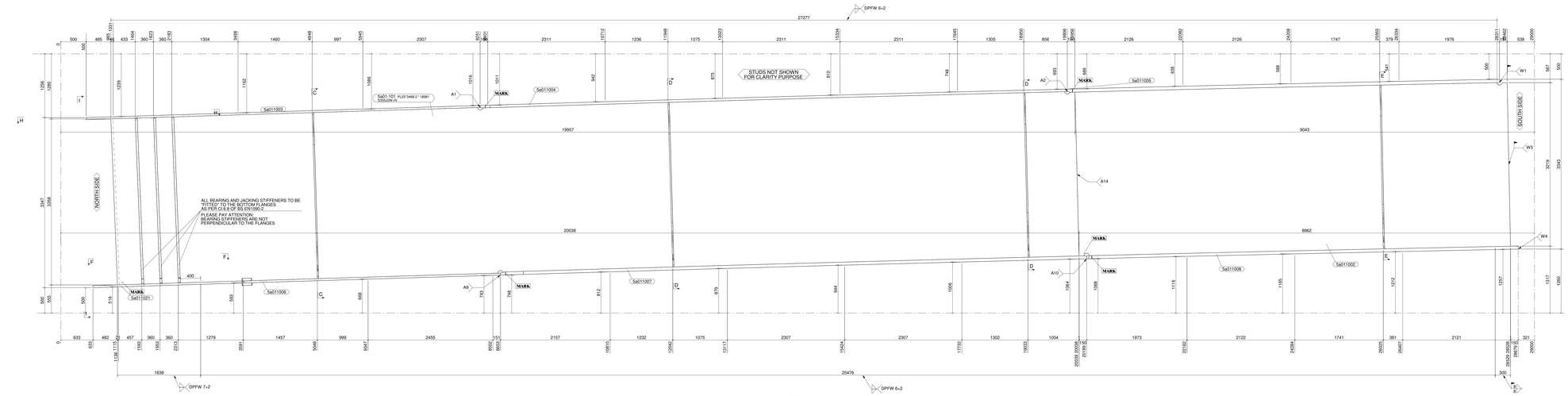
A - A
1:25



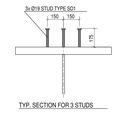








B - B
1:25



ANALYZE TOGETHER WITH DRAWING 2473-S05A-VBSC-DR-4002

General notes:

(These notes apply to all steelwork unless indicated otherwise)

Execution:

1 - Annotations:

All dimensions are shown in millimeters
All welds dimensions given are throat size (a = ...)
Steel work dimensions shown are specified for a mean temperature of 10°C
C.O.G. = Center of gravity
Weight is indicated, in metric tons, for each assembled girder

2 - Steel quality:

Structural steel grades in accordance with BS EN 10025-5
Steelwork shall comply with BS EN 1090-2 for Execution class EXC3 and fatigue service category FS6
S355J2W grade for structural steel (bridge girders, stiffeners and bracings):
S355J2W+N
Steel grade for lifting lugs or temporary fixing cleats that remain permanent:
S355J2W+N
Shear studs: Type SD1 S235J2+C450 Ø19mm x 175mm to BS EN ISO 13918
Through thickness z quality as indicated on the drawings

3 - Construction elements:

Cope holes must be located at the positions shown and will be a minimum of 50mm radius or 1.5 x plate thickness
Weathering steel: do not make notes or indications on the steel
Steel blasted to Sa2 after welding in workshop

4 - Welds:

All welds are to be continuous and form a continuous seal
All welds are indicated. Seams not to be welded are stated explicitly
Grinding: see welding catalogue 2473-S05A-VBSC-DR-3025 & 2473-S05A-VBSC-DR-3026
Quality grinding plan 2473-S05A-VBSC-DR-3027
Shall be tested for imperfections for EXC3 EN ISO 5817 level B
Note 1: Deep penetration fillet weld a=2 according to BS EN1993-1-8 cl.4.5.2.3 (Figure 1)

5 - Bolted assemblies :

Preloaded high strength friction grip bolts
1x Bolt grade 10.9 according to BS EN 14399-10, TCB Bolts, type HRC
1x Nut according to BS EN 14399-10
1x Washers according to BS EN 14399-6

Where oversize holes are specified an additional hard round washer needs to be used under the bolt head according to BS EN ISO 7093

Non-preloaded bolts
Bolt assembly according to BS EN 15048, grade 8.8
1x Bolt according to BS EN 4017
1x Nut according to BS EN 4032
2x Washers according to BS EN 7089
+ locking device according to DIN 7967

Erection:

1 - Annotations:

All dimensions are shown in millimeters
All welds dimensions given are throat size (a = ...)
C.O.G. = Center of gravity
Weight in metric tons

2 - Steel quality:

Indicated specifically for each element in accordance with BS EN 10025-5
Through thickness z quality indicated specifically for each element

3 - Welds:

All welds are to be continuous and form a continuous seal.
All welds are indicated. Seams not to be welded are stated explicitly.
Quality level for imperfections for EXC3 EN ISO 5817 level B.

4 - Bolted assemblies:

Erection equipment:
Bolt assembly according to BS EN ISO 15048
Bolt according to BS EN ISO 4017
Nut according to BS EN ISO 4032
Additional for lifting lugs and temporary connections:
Washer according to BS EN ISO 7089 underneath the rotated part (nut or head)

Issue:	Date:	By:	Checked:	Approved:	Description:
0	16.04.2020	MWA	AS	AS	Issued For Acceptance

General Contractor: SEVEN BILLS BRIDGE SCHNEIDER JV (SBS JV) 2312 Dromore Road Ballyhaise Cavan Co Ireland Ireland

Designer: ROONAN & COONEVAN Consulting Engineers Bank House Ballyhaise Cavan Co Ireland

Project Manager: AECOM

Client: DEPARTMENT FOR INFRASTRUCTURE Roinn Forbairt Na hInfrastructure Bonneagair www.infrastructure-ni.gov.uk

Project:	A6 DUNGIVEN
Main part:	S05A BRIDGE
Part :	Sa01-101
Title:	ASSEMBLY - PART 1

Dossier No. : 2473-17

Format: 841 ×1609

	Datum	Naam
Design	09.04.2020	MWA
Approved	09.04.2020	

Scale: 1:5 1:25

Projection:

Drawing No.: 2473-S05A-VBSC-DR-4000

Rev.: 0