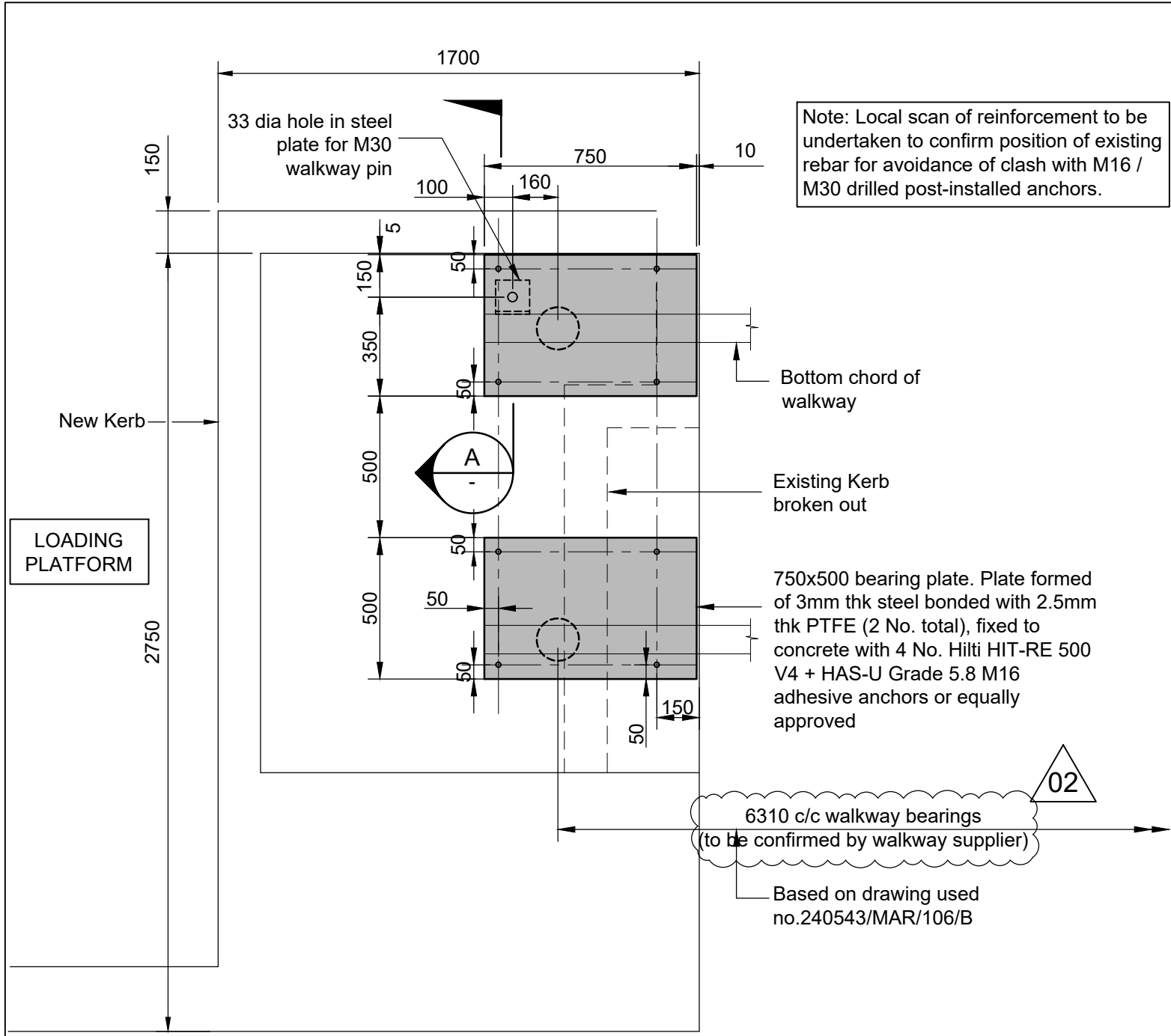
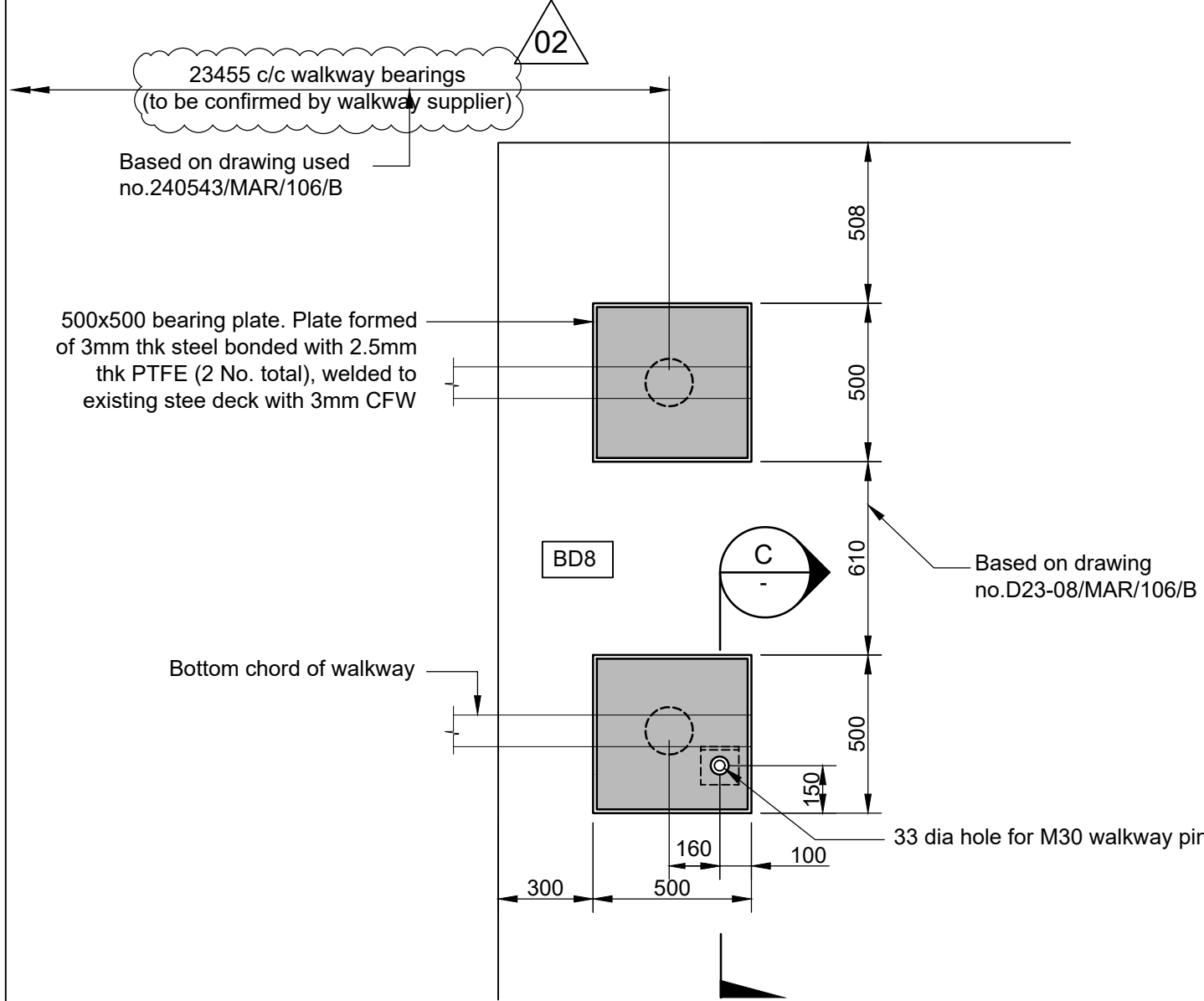




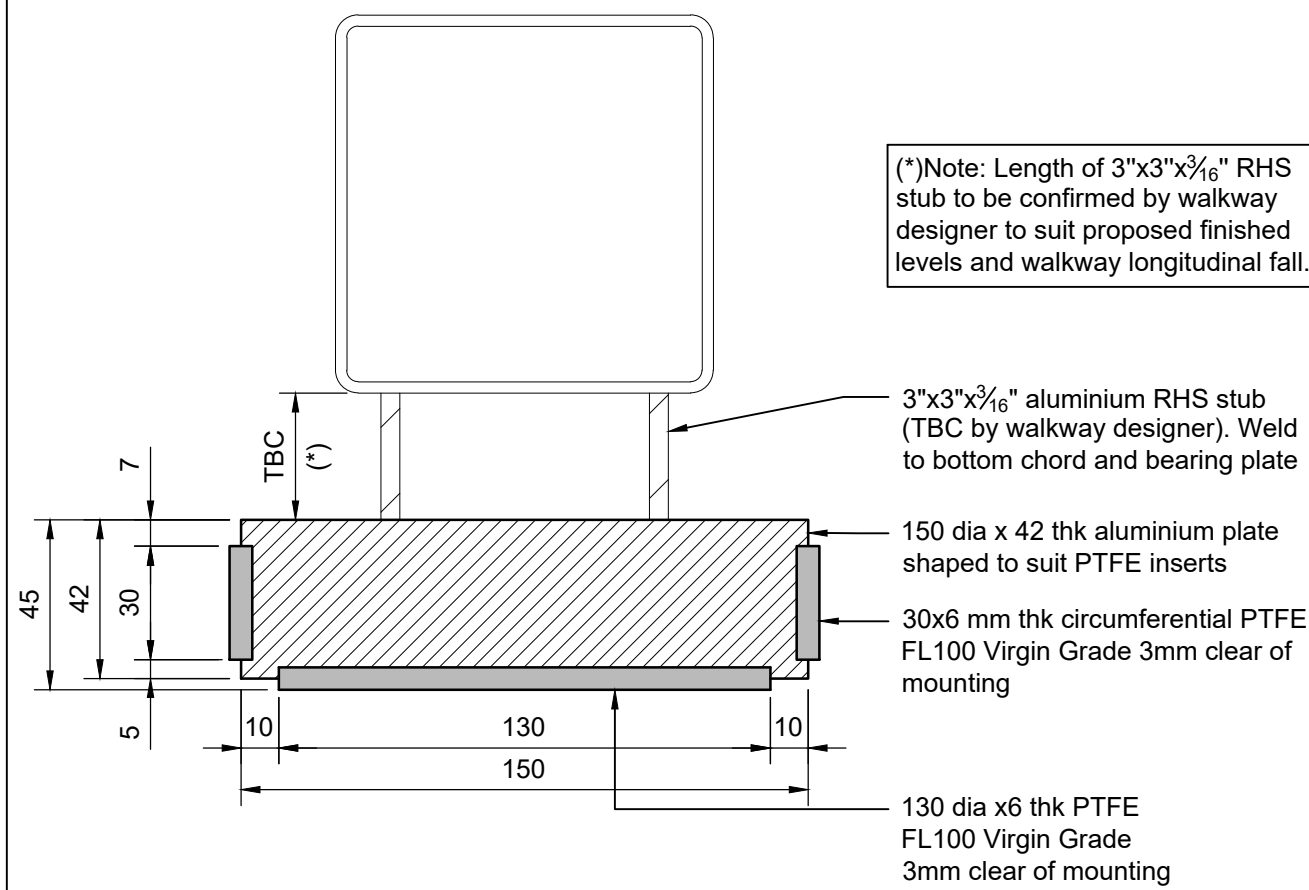
Plan on Walkway Bearing Plates at Loading Platform

1:20



Plan on Walkway Bearing Plates at Berthing Dolphin 8

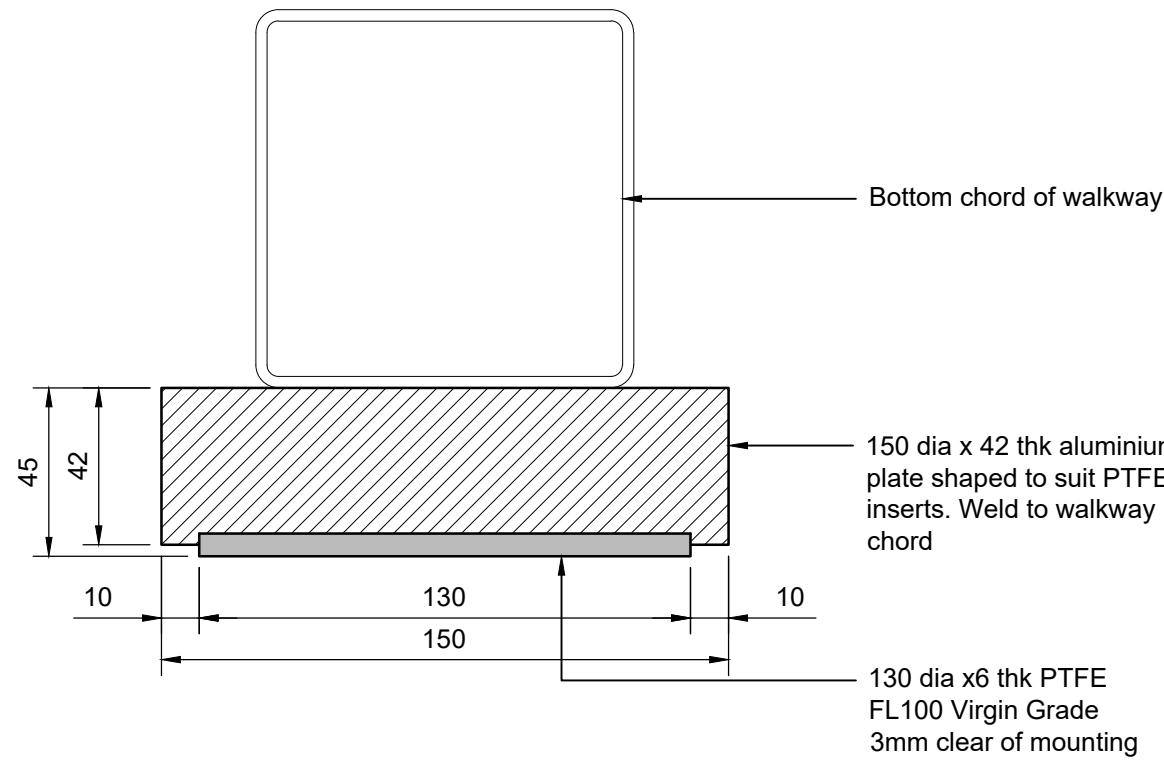
1:20



Section through Walkway bearing (free end)

(4No. thus)

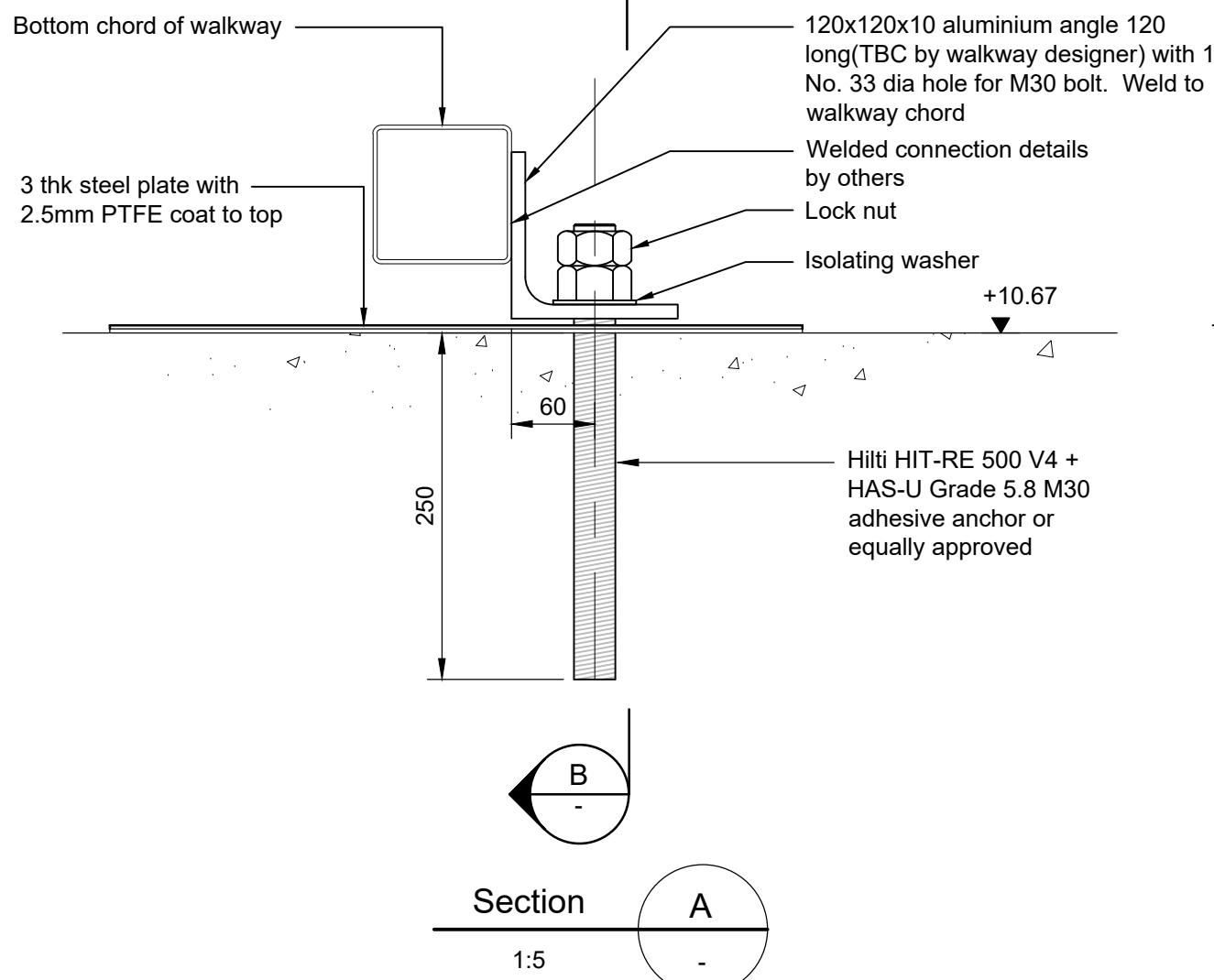
1:2



Section through Walkway bearing (pin end)

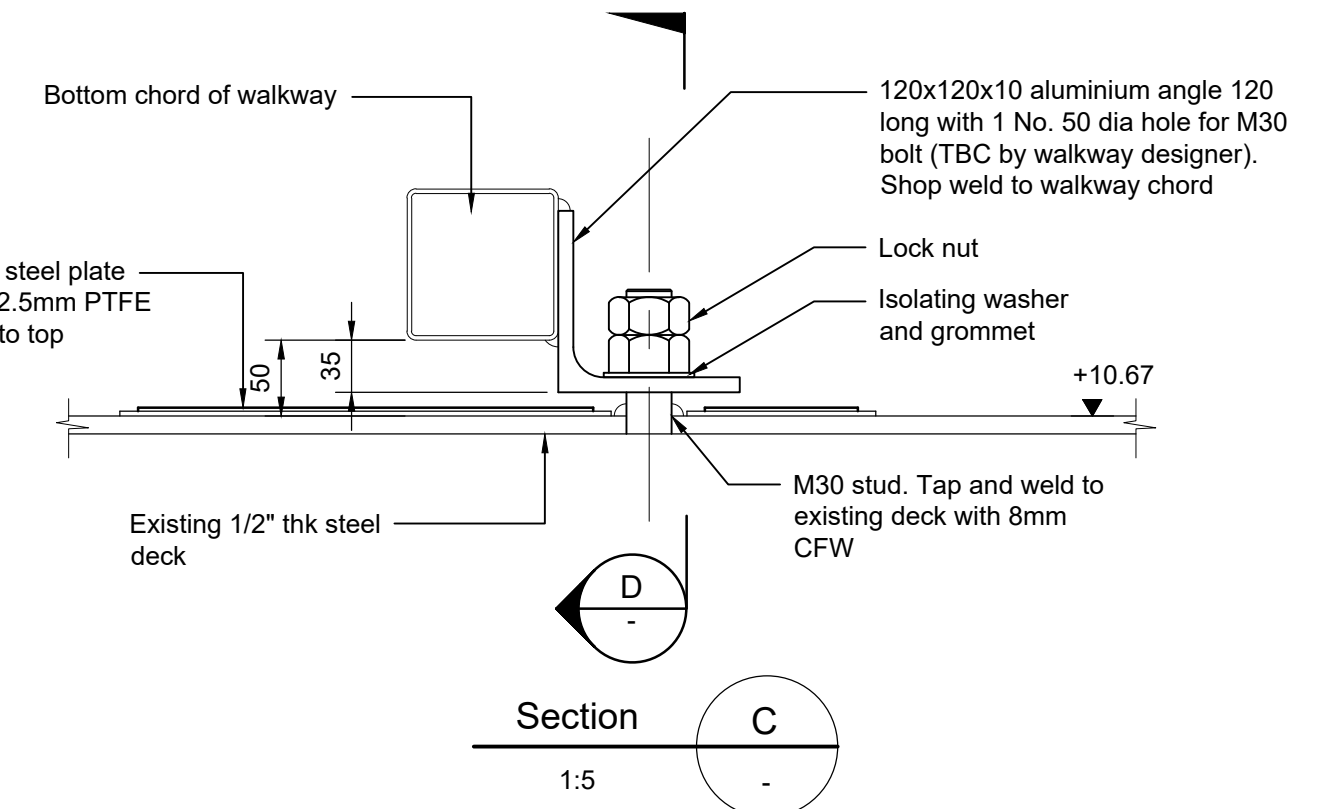
(4 No. thus)

1:2



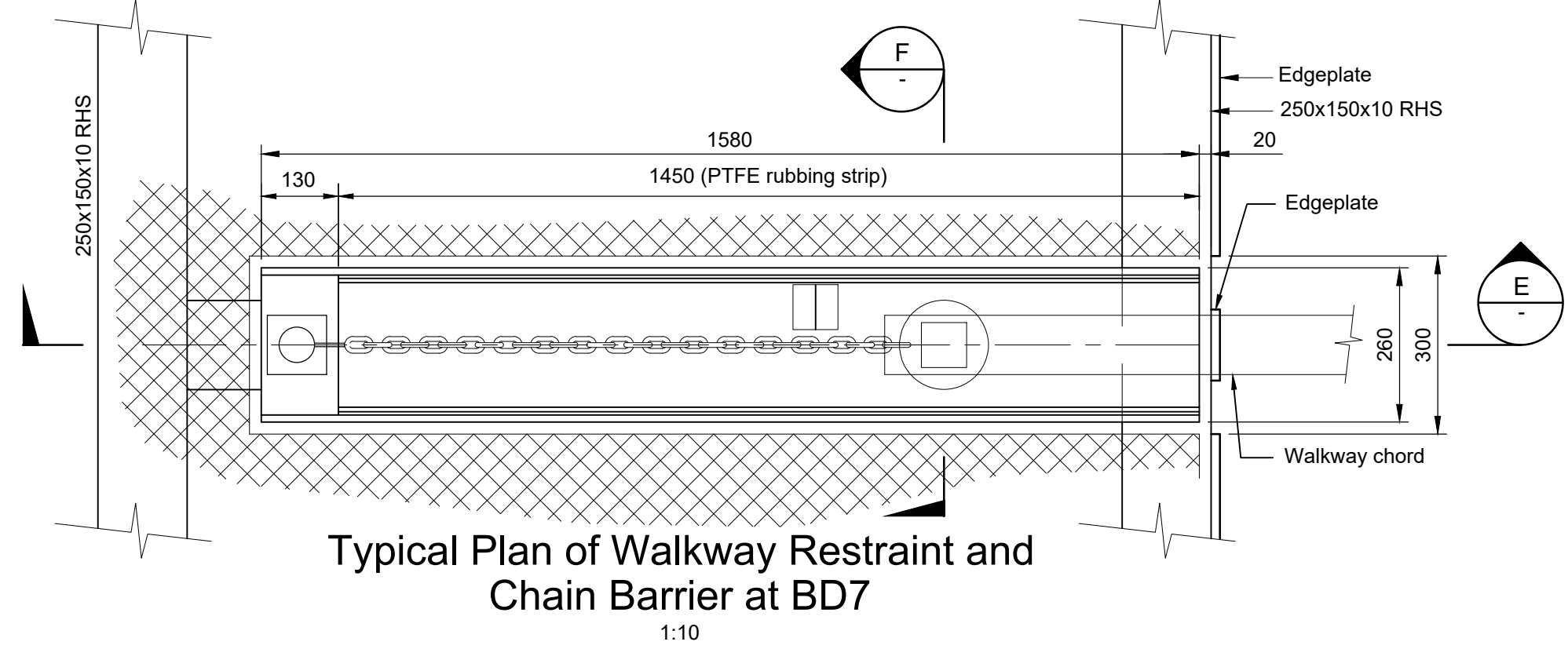
Section A

1:5



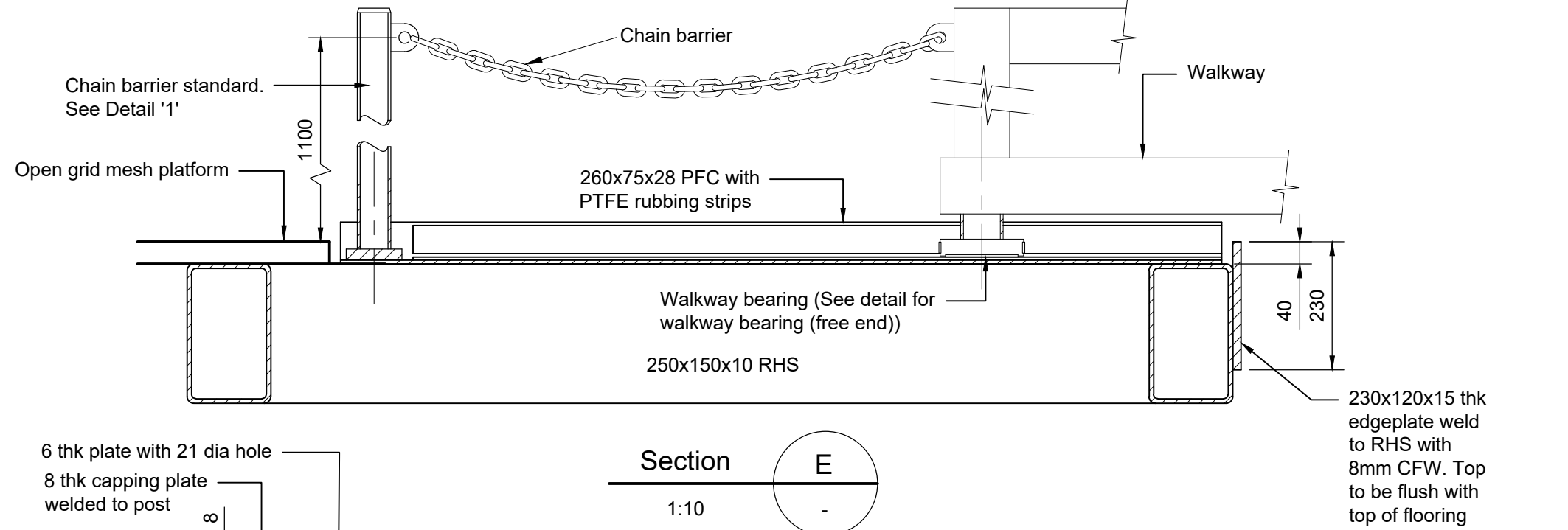
Section C

1:5



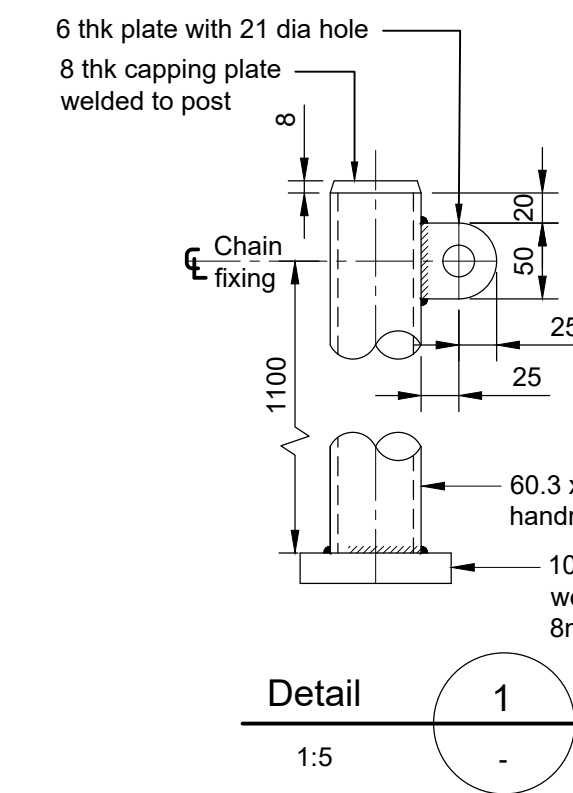
Typical Plan of Walkway Restraint and Chain Barrier at BD7

1:10



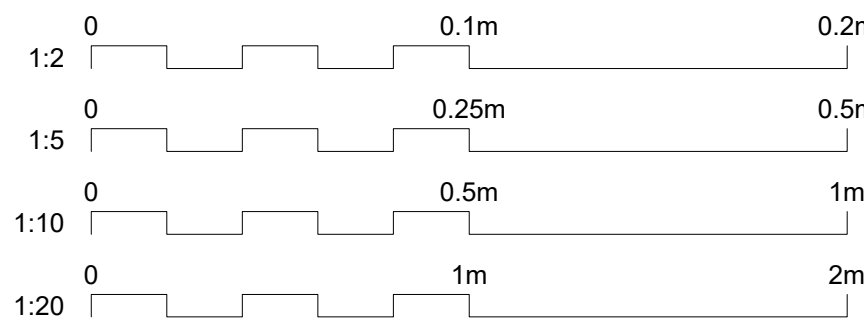
Section E

1:10



Detail 1

1:5



- Notes
- All dimensions are in millimetres unless noted otherwise.
 - All levels are in meters relative to Chart Datum (CD).
 - Do not scale any items or information from this drawing set.
 - CD is 3.71m below Ordnance Datum (OD) at Milford Haven.
 - The steelwork dimensions are for a mean temperature of 15°C. This is consistent with the average sea water temperature in Milford Haven in August (anticipated time of installation).
 - It is the responsibility of the Contractor to ensure that fabrication drawings are in compliance with the design drawings. Any differences to the details shown in the drawings should be reported immediately to the Designer.
 - All steelwork to be to Execution Class EXC2 to BS EN 1090-2: 2018.
 - Steelwork grades to be:
 - Hollow sections: S355J2H to BS EN 10210-1:2006
 - Rolled sections: S355J2+N to BS EN 10025-2:2019
 - Plates and stiffeners: S355J2+N to BS EN 10025-2:2019
 - All welded connection of the steelwork shall be shop-welded, on-site welding shall be avoided. All welds shall be self-cleaning and shed water.
 - Weld symbols are in accordance with BS EN ISO 2553:2013 System A.
 - Fillet welds are shown by leg length.
- z - LEG LENGTH
a - THROAT THICKNESS
z = a√2
- All fillet welds shall be continuous on both sides of the joint unless shown otherwise.
 - Any additional welds that the fabricator may wish to use (e.g. to secure lifting devices) shall be subject to the approval of the Designer.
 - The fabricator may propose alternative weld details to those indicated provided that they offer equivalent or better strength. The alternatives shall not be used unless agreed by the Designer.
 - Bearing plate fixing anchors (8No total) to be Hilti HIT-RE 500 V4 + HAS-U Grade 5.8 M16 or equivalent approved, with 160mm embedment depth in 16mm diameter holes, installed in accordance with manufacturer's specifications.
 - Walkway pin anchors (2No total) to be Hilti HIT-RE 500 V4 + HAS-U Grade 5.8 M30 or equivalent approved, with 250mm embedment depth in 35mm diameter holes, installed in accordance with manufacturer's specifications.
 - Holes dry and cleaned prior to installation of anchors by compressed air cleaning. Anchors installed in accordance with ETAG 001 (EAD 330232-00-0601) and installed to manufacturers specification.
 - Bearing plates to be Fluoroglide 3mm carbon steel plates with 2.5mm thick PTFE FL100 Virgin Grade bonded sheets or equivalent approved.
 - PTFE inserts for walkway bearings and PFC channels to be 6mm thk FL100 Virgin Grade by Fluorocarbon or equivalent approved. PTFE sheets to be bonded to steel plates and installed in accordance to manufacturers specification.
 - Chain to be class 2 to BS 6405 open link type 7, 9 dia. at approx. 2.0kg/m.
 - All chains to be to Lloyd's Register "Rules for the Manufacture, Testing and Certification of Materials" or equivalent approved.

Key to symbols

CL	Centerline
CFW	Continuous fillet weld
RHS	Rectangular hollow section
PFC	Parallel Flange Channel
thk	Thickness

Reference drawings

114551-MMD-ZZ-XX-DR-C-0001-General Arrangement - Plan & Location Sheet 1 of 2
114551-MMD-ZZ-XX-DR-C-0002-General Arrangement - Section & Elev. Sheet 2 of 2
114551-MMD-ZZ-XX-DR-C-0101-Monopile Build-up
114551-MMD-ZZ-XX-DR-C-0102-Monopile Oversleeve Details
114551-MMD-ZZ-XX-DR-C-0103-Platform Details Sheet 1 of 2
114551-MMD-ZZ-XX-DR-C-0104-Platform Details Sheet 2 of 2
114551-MMD-ZZ-XX-DR-C-0105-Ladder Details
114551-MMD-ZZ-XX-RP-C-0003-Designer's Hazard Elimination Management Record.

Rev	Date	Drawn	Description	Ch'k'd	App'd
P02	20.03.2024	JR	Notes amended	JPF	KL
P01	07.02.2024	SS	For review and comment	JPF	KL

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Client	Valero Pembrokehire Oil Terminal Ltd Main Road Waterston, Milford Haven Pembrokehire SA73 1DR
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Title	Valero Berthing Dolphin Replacement Berthing Dolphin 7 Walkway End Details
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Designed	J.Rees	JR	Eng check	J. Fernandes	JPF
Drawn	S.Sahoo	SS	Coordination	J. Fernandes	JPF
Dwg check	R. Jones	RJ	Approved	K. Lee	KL
Scale at A1	Status	Rev	Security		
As Shown	PRE	P02	STD		

Drawing Number
114551-MMD-ZZ-XX-DR-C-0106