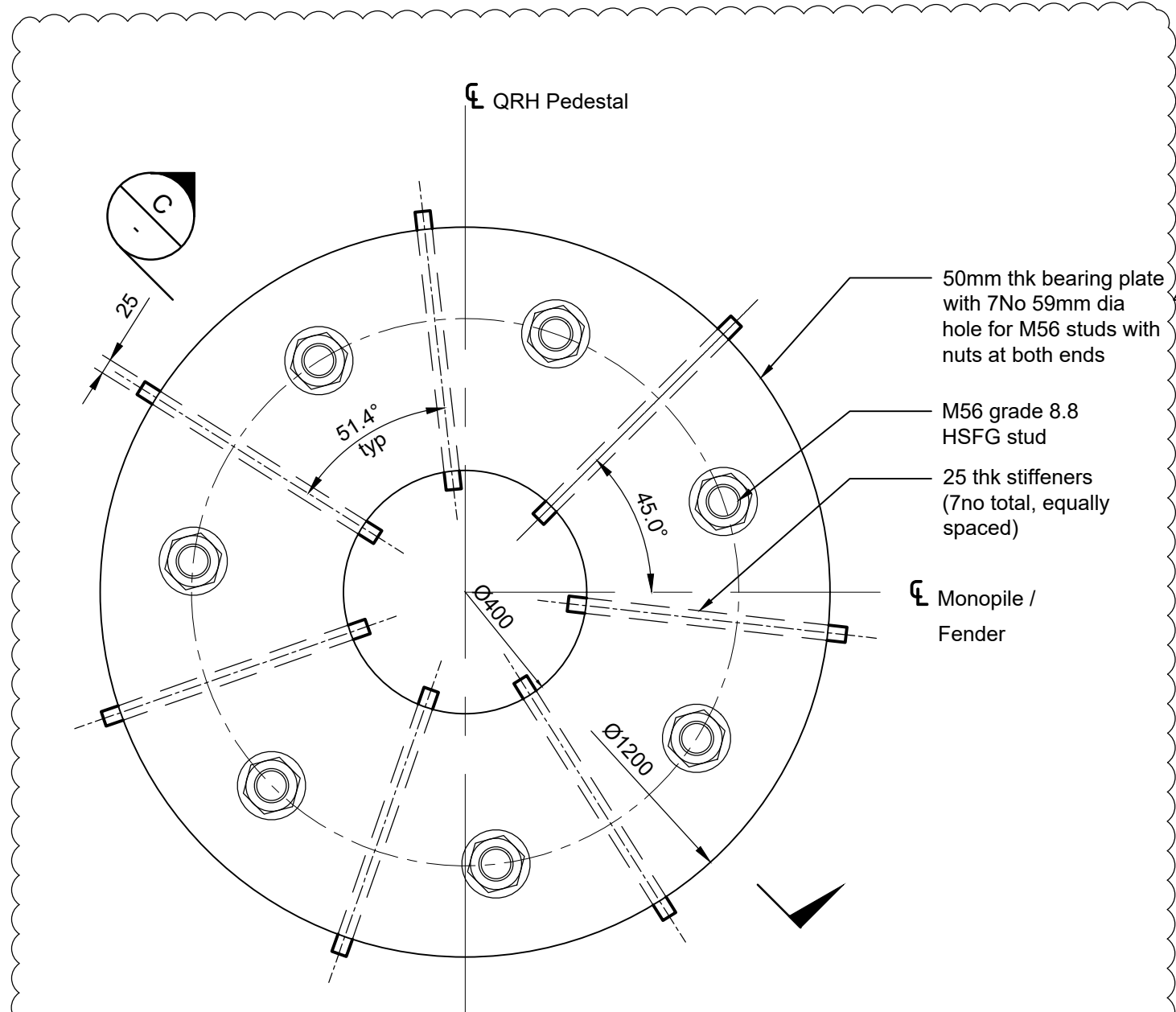
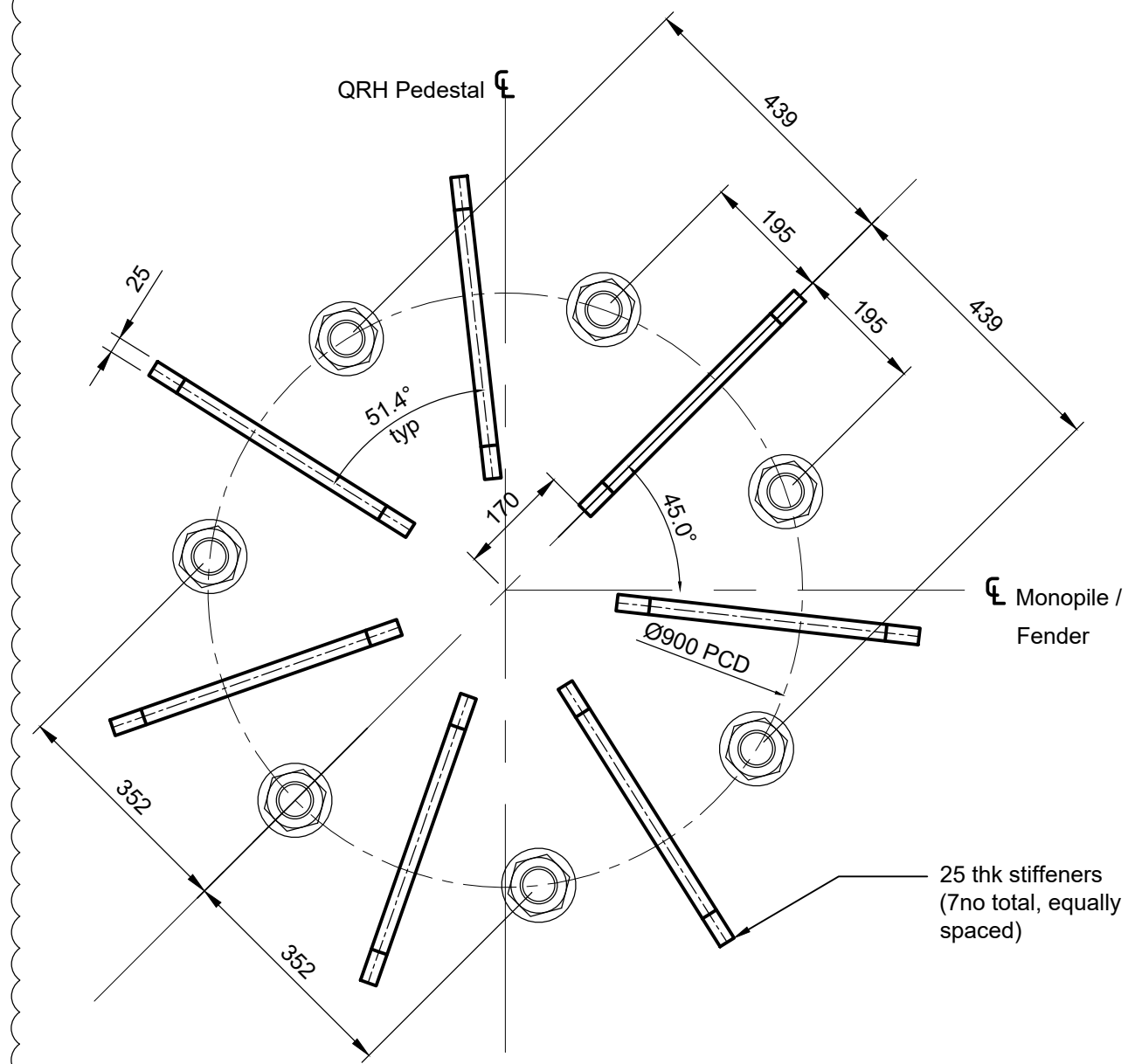
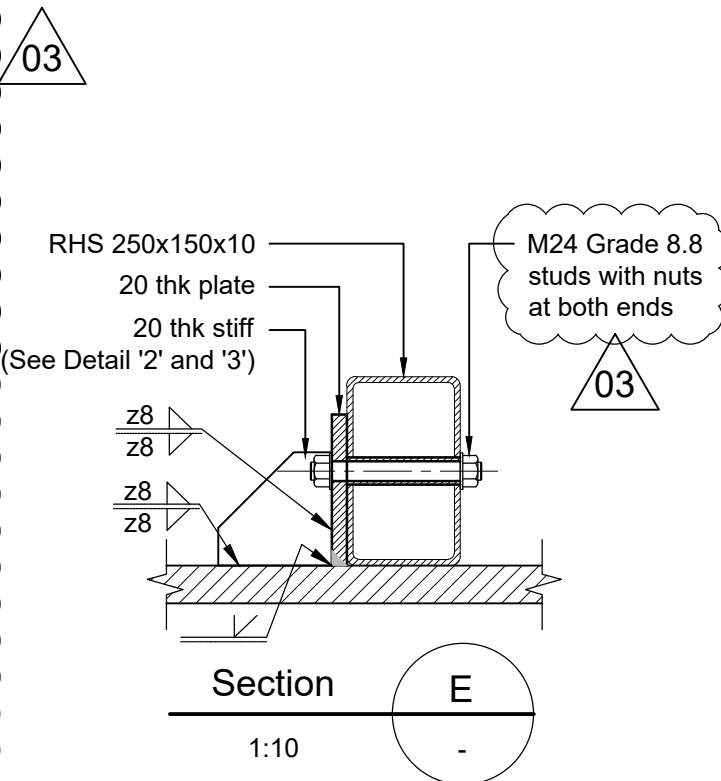
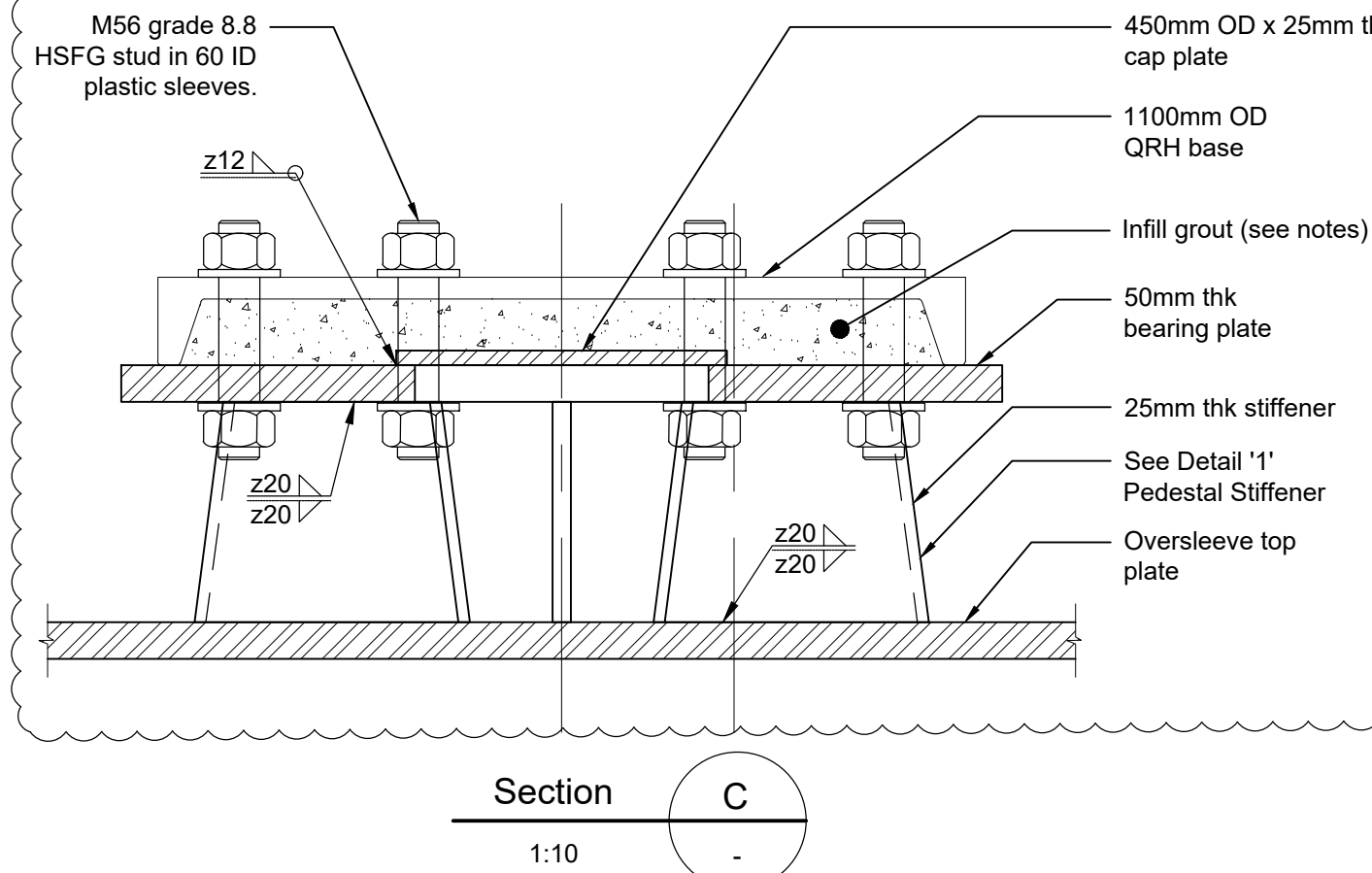




Plan on QRH Mounting Pedestal
1:10



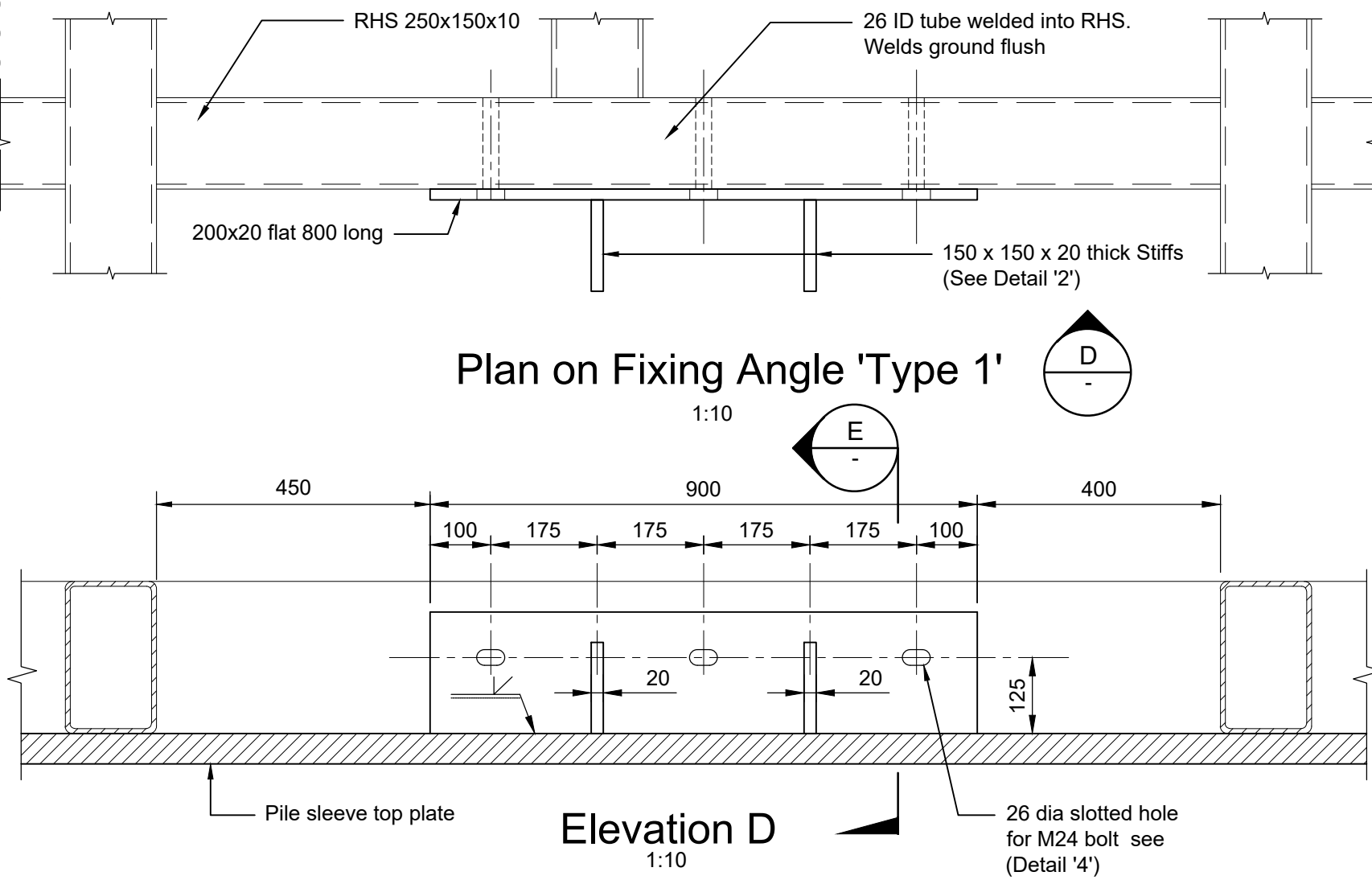
Plan on QRH Pedestal Stiffeners
1:10



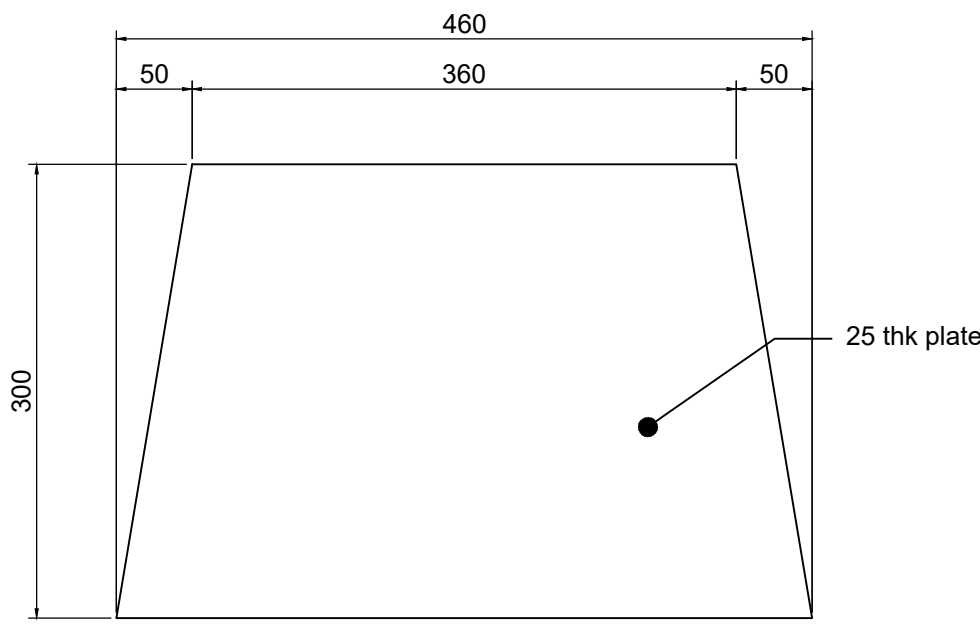
1700x800x5 thk plate, edges to be chamfered to reduce trip hazard. Clip to Open grid mesh platform below, bolt heads to be recessed

Pattern plate with yellow road marking paint as shown. All lines 75 wide. All letters 50 high

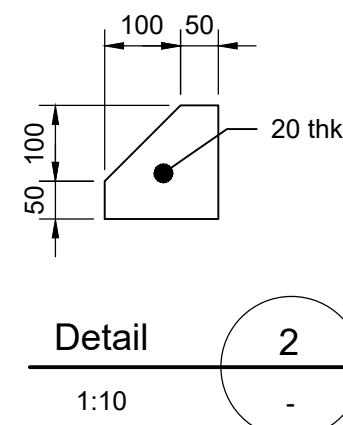
Plan on Warning plate
1:20



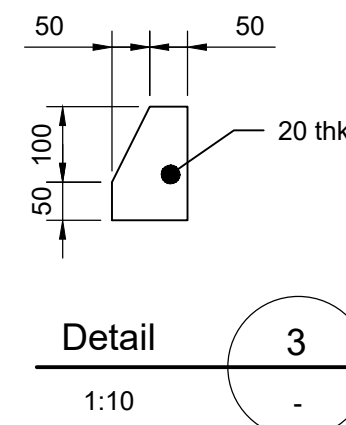
Elevation D
1:10



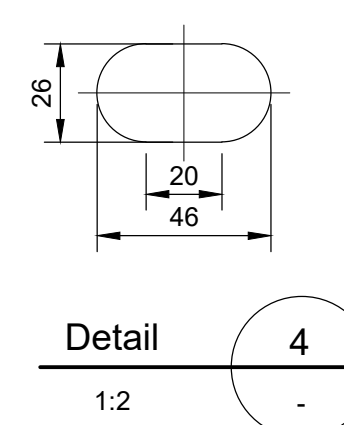
Detail 1
1:5



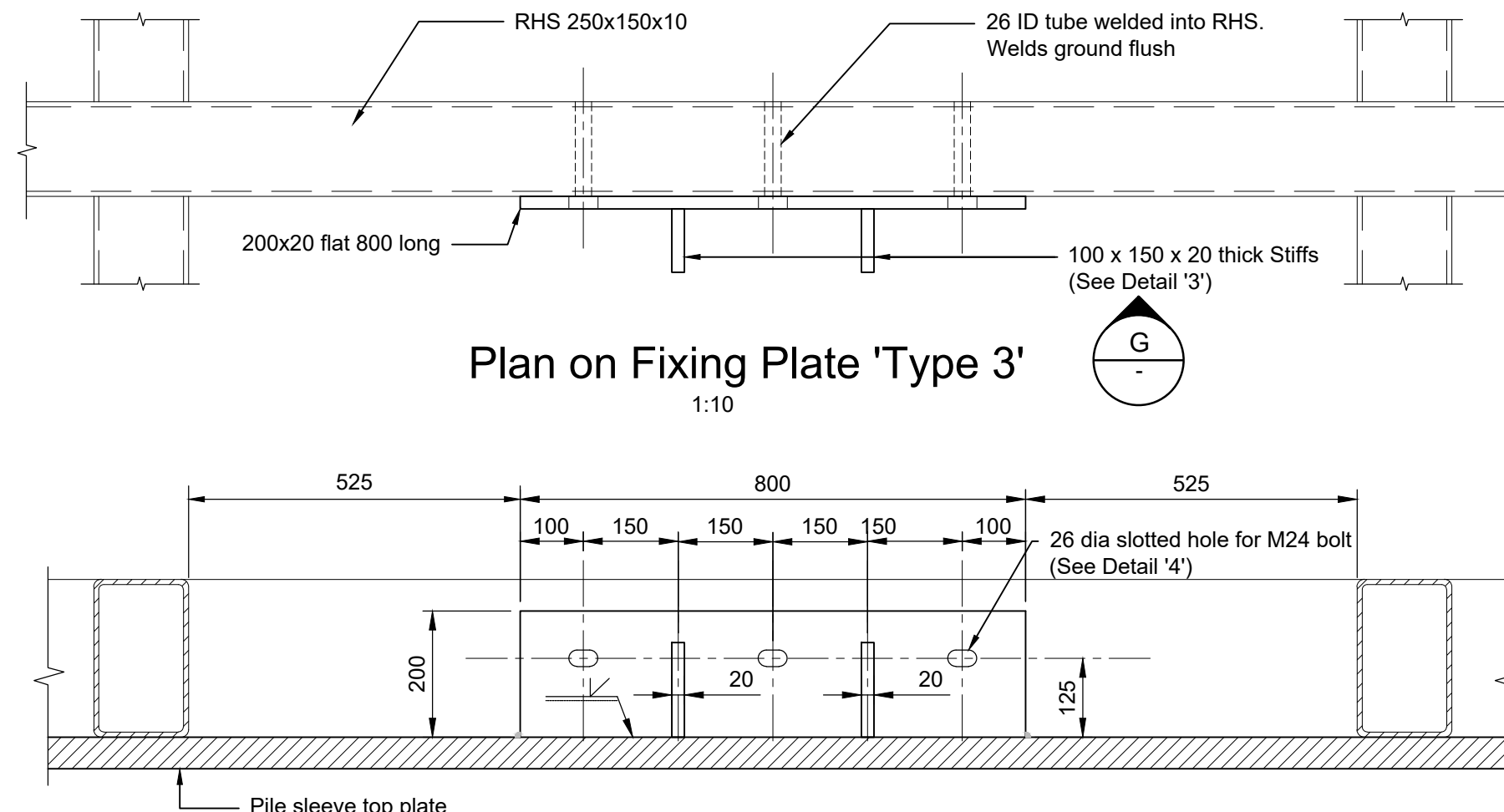
Detail 2
1:10



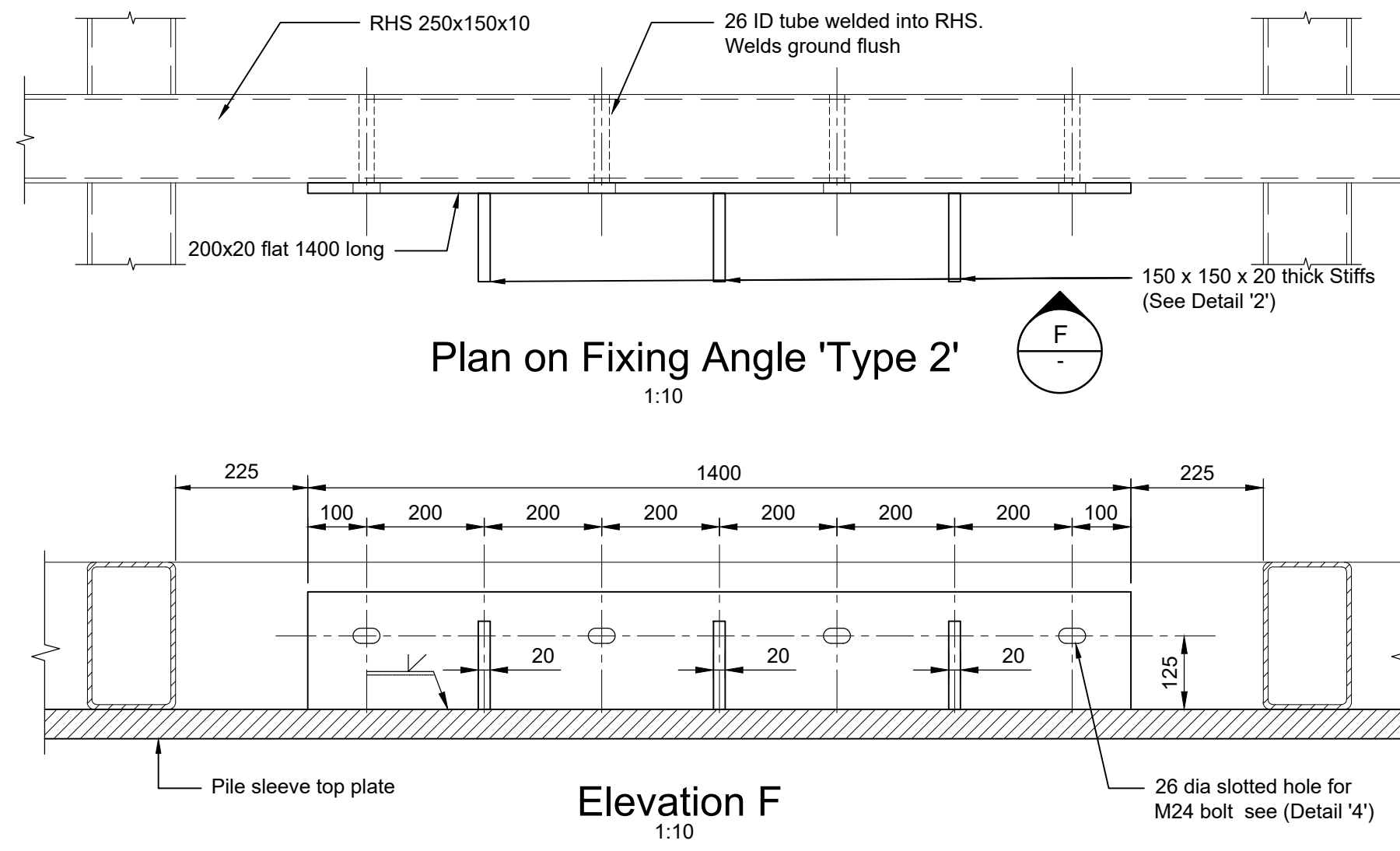
Detail 3
1:10



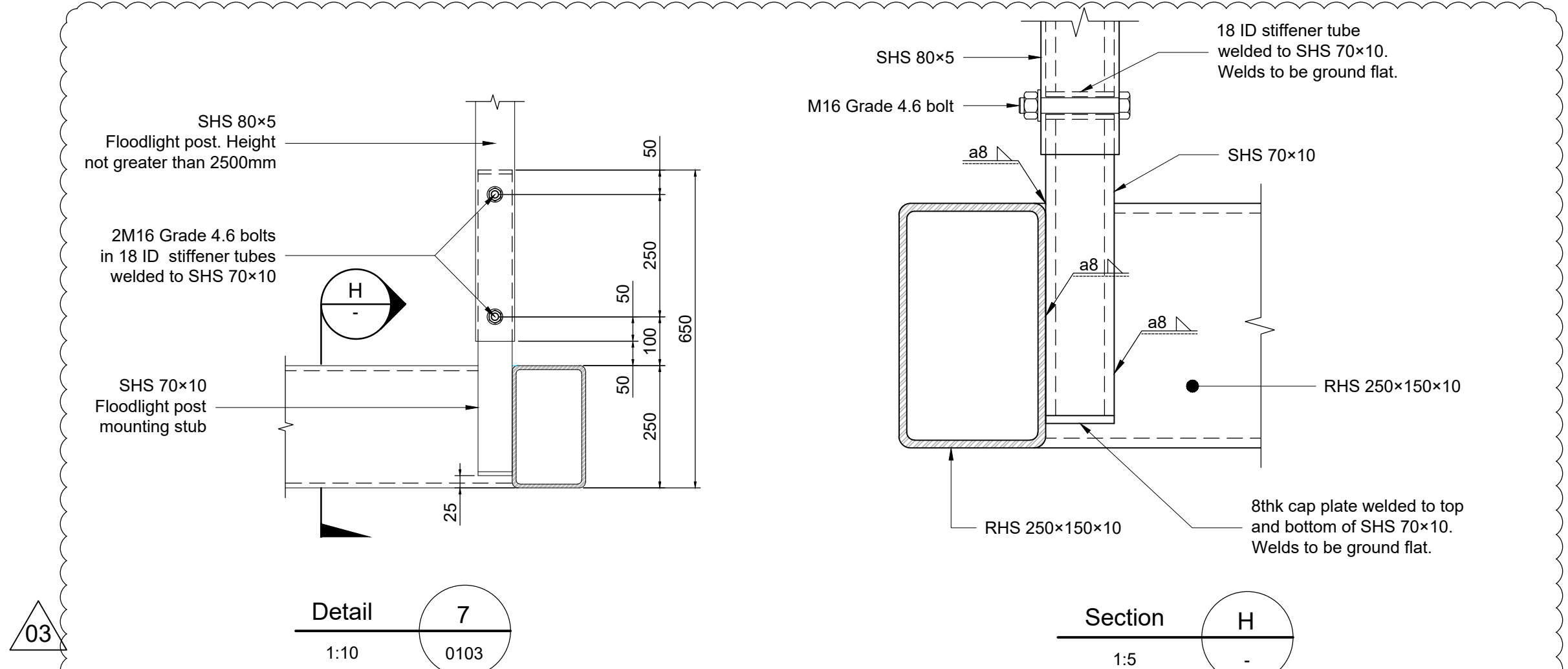
Detail 4
1:2



Elevation G
1:10



Elevation F
1:10



Section H
1:5

- Notes
- All dimensions are in millimetres unless noted otherwise.
 - Do not scale any items or information from this drawing set.
 - 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.
 - 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.
 - All bolting assemblies shall be to BS EN 14399 unless noted otherwise.
 - All studs on platform to oversleeve connections to be M24 grade 8.8 (non preloaded) and holes to be 26Ø unless noted otherwise.
 - All studs on QRH pedestal connection to be M56 grade 8.8 in 59Ø bolt holes unless noted otherwise. M56 holding down studs to be installed and torqued in accordance with the QRH manufacturer's requirements. The stud lengths shall not be greater than the gap between the underside of the pedestal bearing plate and the oversleeve top plate to enable future replacement.
 - Infill grout for QRH base to be non shrink with a minimum compressive strength of 60MPa.
 - Corrosion protection coating system to platform, QRH pedestal and fittings to be compliant with BS EN ISO 12944 for corrosivity category CX and immersion category Im4, with a life to first maintenance of at least 15 years.

Key to symbols			
CL	Centerline	CFW	Continuous fillet weld
OD	Outer diameter	FBW	Full penetration butt weld
BD	Berthing Dolphin	PCD	Pitch circle diameter
QRH	Quick release hook	thk	thickness
		typ	typical

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-0105-Ladder Details			
114551-MMD-ZZ-XX-DR-C-0106-Walkway End Details			
114551-MMD-ZZ-XX-RP-C-0003-Designer's Hazard Elimination Management Record.			

Rev	Date	Drawn	Description	Ch'k'd	App'd
P03	20.03.2024	JR	QRH studs, floodlight post and notes	JPF	KL
P02	06.02.2024	SS	For review and comment	JPF	KL
P01	02.02.2024	SS	For review and comment	JPF	RT

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Client	Valero Pembrokeshire Oil Terminal Ltd Main Road Waterston, Milford Haven Pembrokeshire SA73 1DR
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Title	Valero Berthing Dolphin Replacement Berthing Dolphin 7 Platform Details Sheet 2 of 2
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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	SS	Approved	K. Lee	KL

Scale at A1	Status	Rev	Security
As Shown	PRE	P03	STD

Drawing Number	114551-MMD-ZZ-XX-DR-C-0104
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