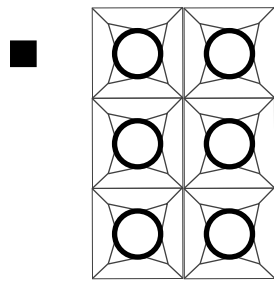
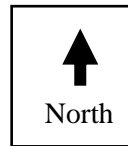
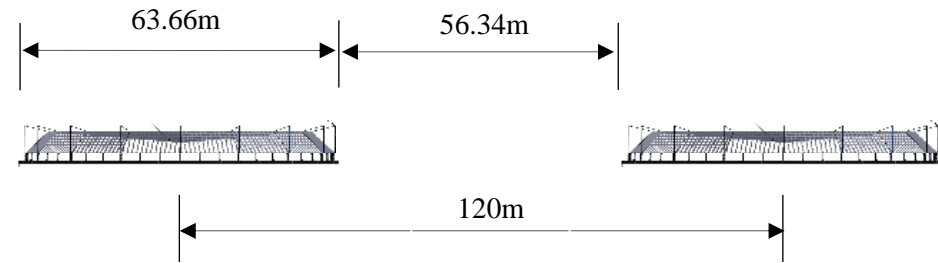
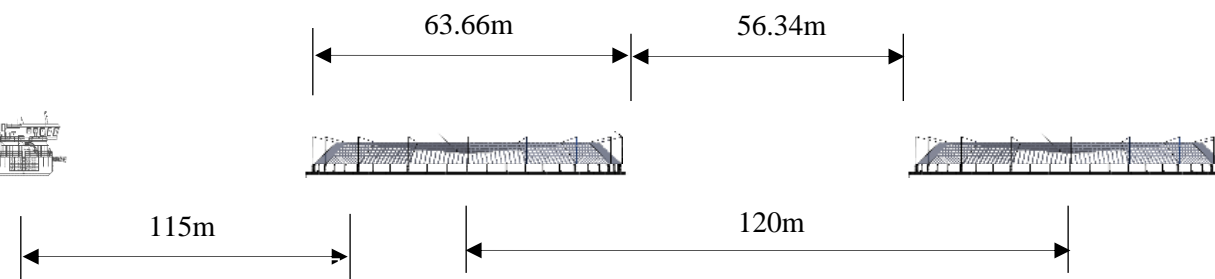



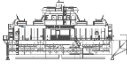
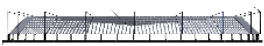
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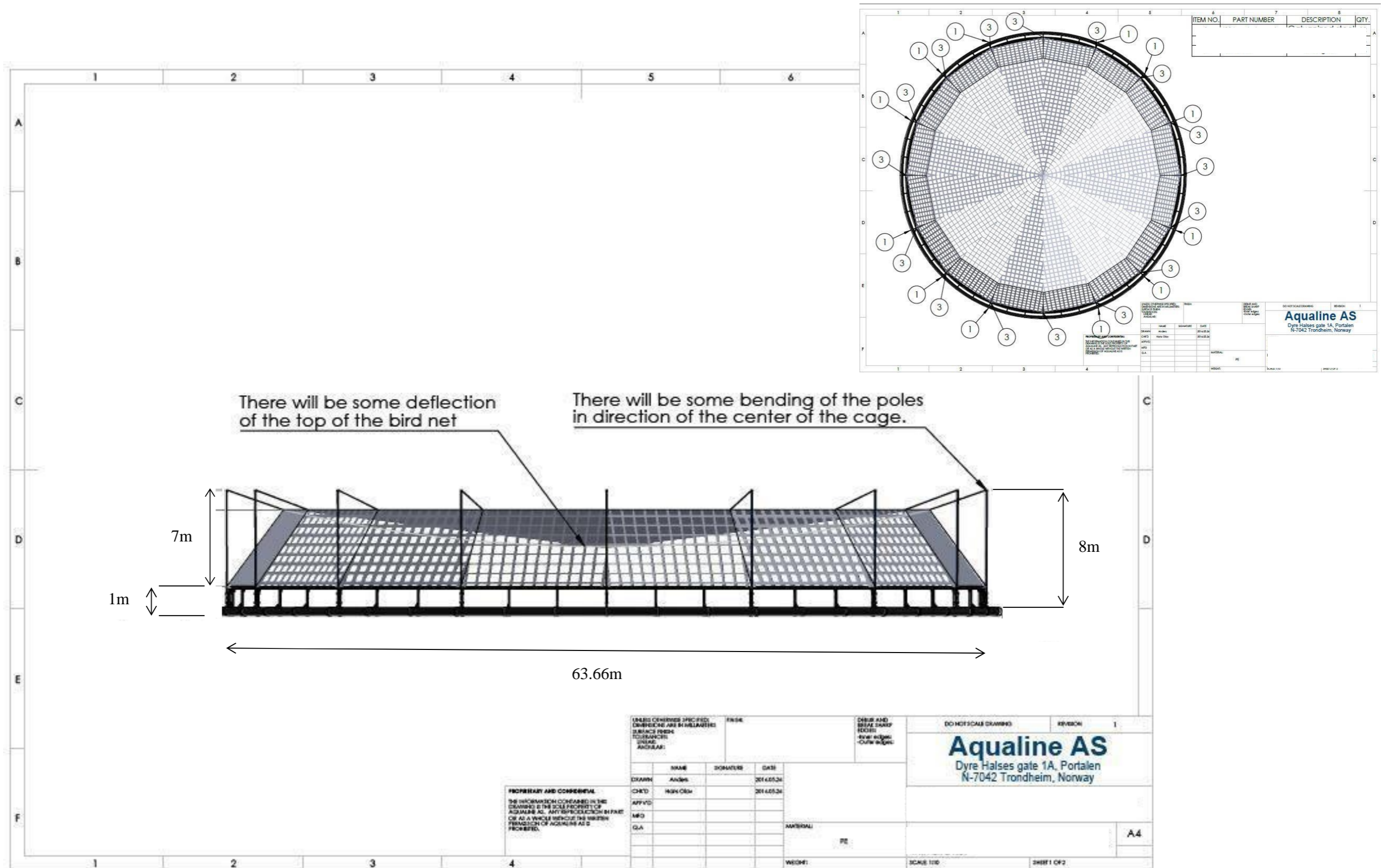
Plan – Not to Scale



PROPOSED	STULAIGH SOUTH, SOUTH UIST
ELEVATIONS	SITE CONFIGURATION
Figure 1	Surface Cross section view of 6 circular plastic pens of 200m circumference in a 120m matrix grid

Key:	 	Feed System (12m – 43.4m, maximum height 12m)
		Typical Pen Design (maximum height 8m from the waterline)

1:1,500	04/10/2022	CLH	SC	0001	Final
Scale	Date	Drawn	Checked	Revision No.	Status

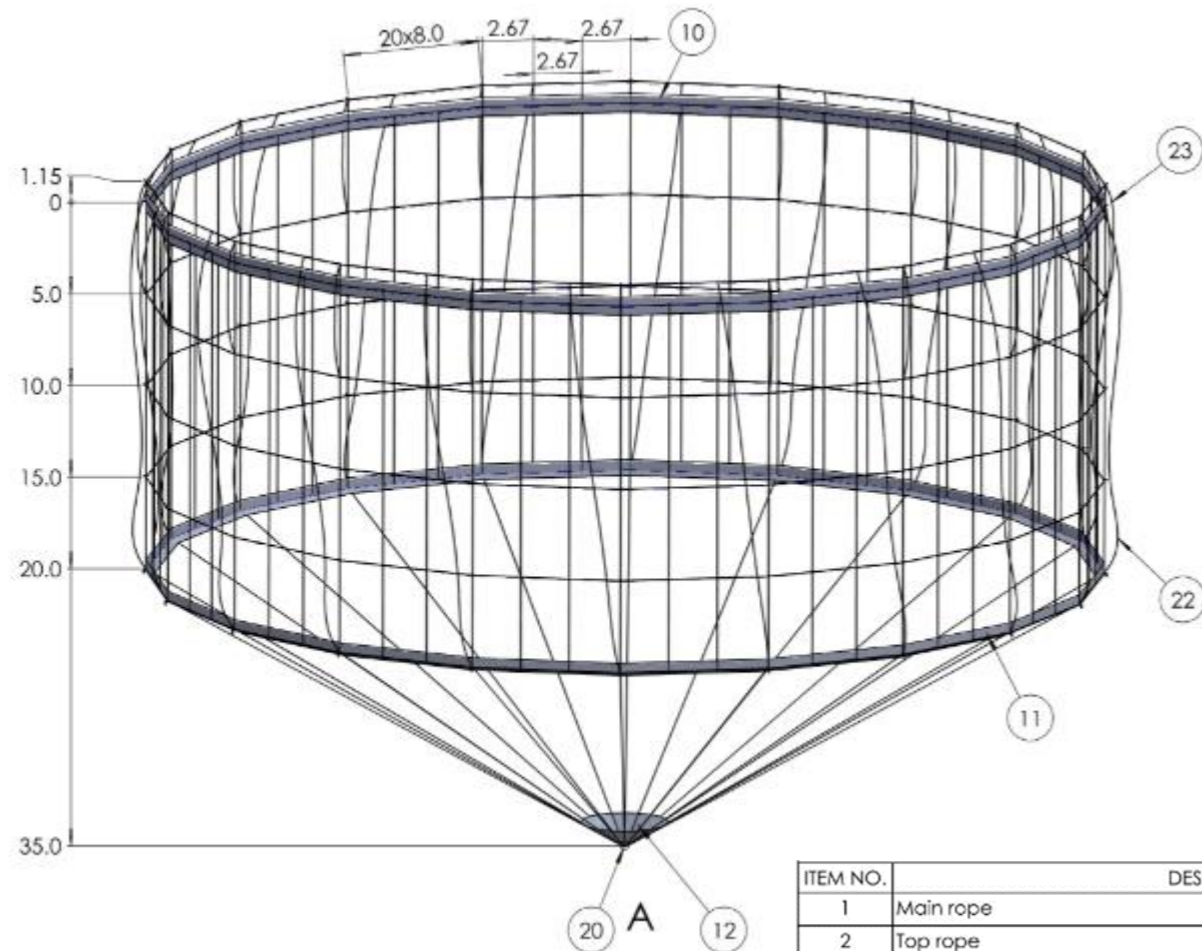


PROPOSED	STULAIGH SOUTH, SOUTH UIST
PLAN & ELEVATIONS	
Figure 2. Example of a typical pen design showing the proposed top net support dimensions. Supporting pole structures of 7m will be installed to handrail stanchions. Maximum height will be 8 m from the base of the pen.	

Key:

Cage and top net support + net

n/a	04/10/2022	CLH	0001	
Scale	Date	Drawn	Revision No.	Final



ITEM NO.	DESCRIPTION	QTY.
1	Main rope	1
2	Top rope	1
3	First waist rope. 5m	1
4	Second waist rope. 10m	1
5	Third waist rope. 15m	1
6	Base rope	1
7	Base cross rope	20
8	Main vertical rope	20
9	Intermediate vertical rope	40
10	Outside reinforcing panel, 0.5m above and 0.5m below main rope	1
11	Outside reinforcing panel, 0.5m above and 0.5m below base rope	1
12	Inside reinforcing panel cone center. Diameter: 5 m	1
13	Spliced eye main vertical rope - Top rope	20
14	Spliced eye main vertical rope - Main rope	20
15	Spliced eye main vertical rope - First waist rope	20
16	Spliced eye main vertical rope - Second waist rope	20
17	Spliced eye main vertical rope - Third waist rope	20
18	Spliced eye main vertical rope - Base rope rope	20
19	Spliced eye intermediate vertical rope - Main rope	40
20	Gyro 340x210x25x25x20mm	1
21	Rope ring - 22 mm	20
22	Long net lifting rope	20
23	Short net lifting rope	20
24	Lead rope on base rope. 3 kg/m	1

DETAIL A

SCALE 1 : 5

Changed Date	Changed By	Approved Date	Approved By	Changed Description	Revision
-	-	-	-	-	-
-	-	-	-	-	-
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Designed Date	Designed By	Approved Date	Approved By	Sheet	Sheet Size	European Projection
19.01.2022	AS	-	-	1 of 1	A3	Scale 1:250
Customer				Document No.	Revision	
Item No.				SCALE AQ		001268
Net size				Scale AQ		
Netting type				Beddingen 16, Postbox 2200		
Dim. class				N-7042 Trondheim, Norway		

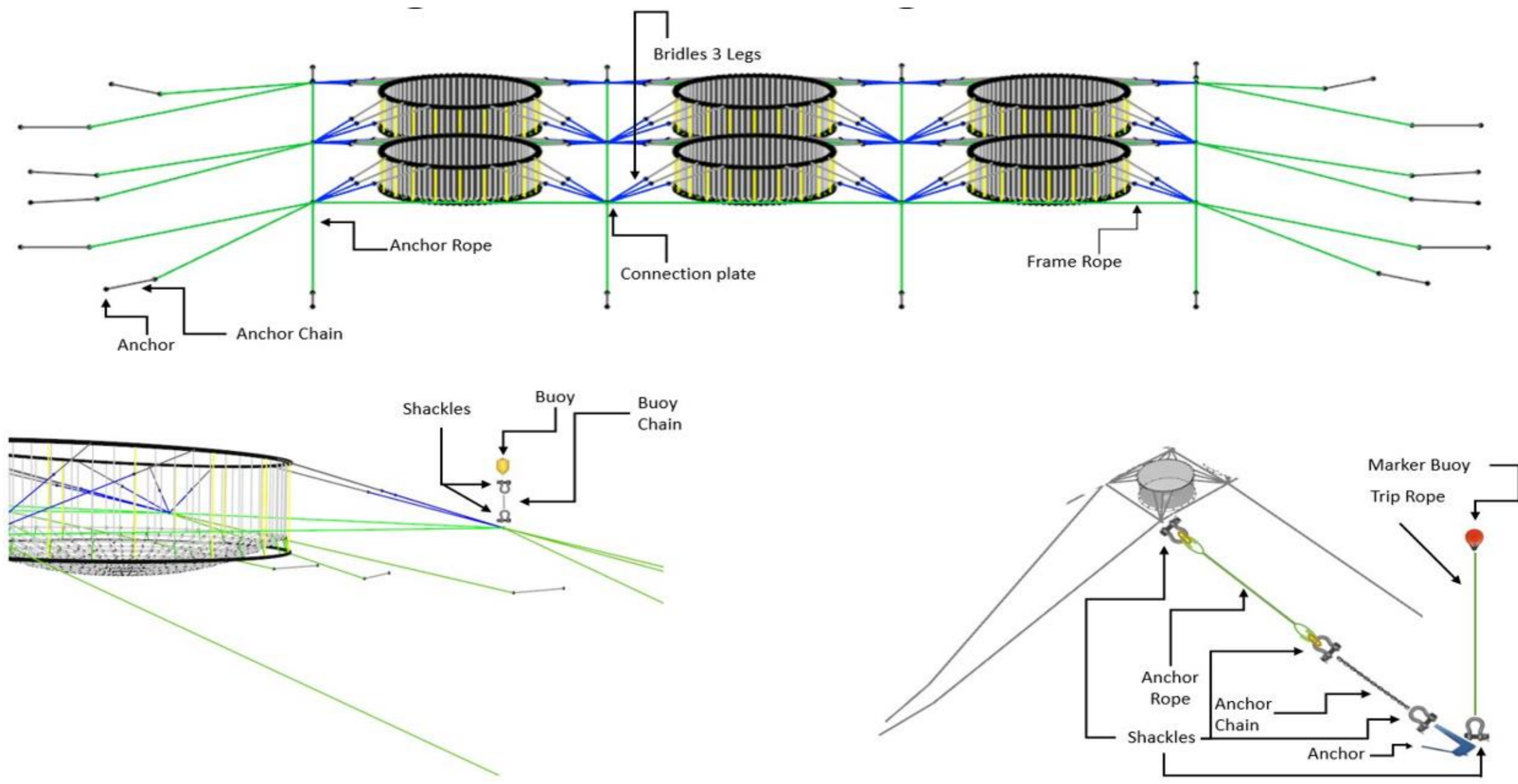
PROPOSED STULAIGH SOUTH, SOUTH UIST

ELEVATIONS

Figure 3 Manufacturers Diagram - example of a Midgard net design

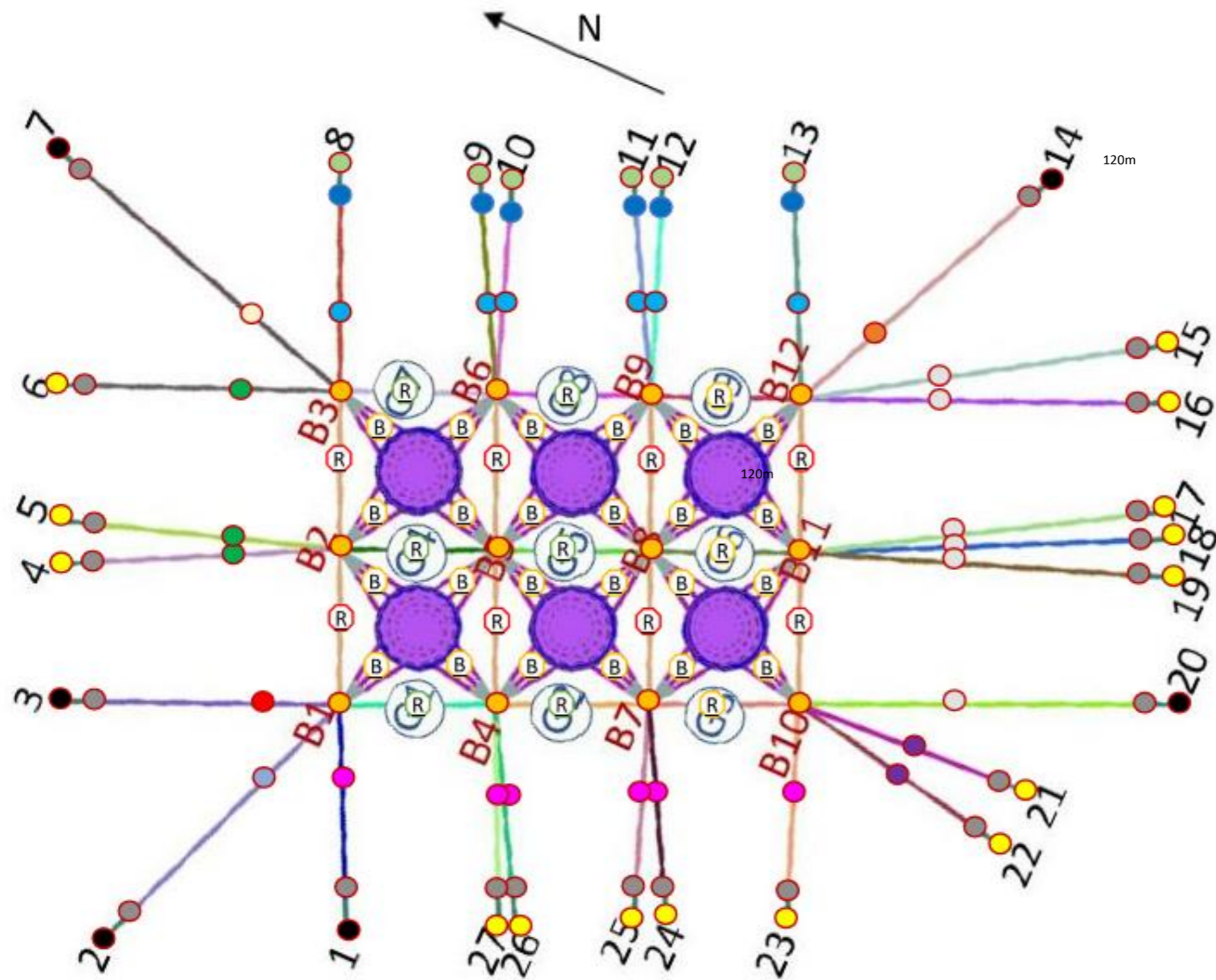
NOTE. This figure shows a net with 20m sidewall and 15m cone. The position of the pens at Stulaigh South allows a 16m sidewall, 15m cone, and 5m+ clearance to the seabed.

Not to Scale	04/10/2022	CLH	SC	0001	Final
Scale	Date	Drawn	Checked	Revision No.	Status



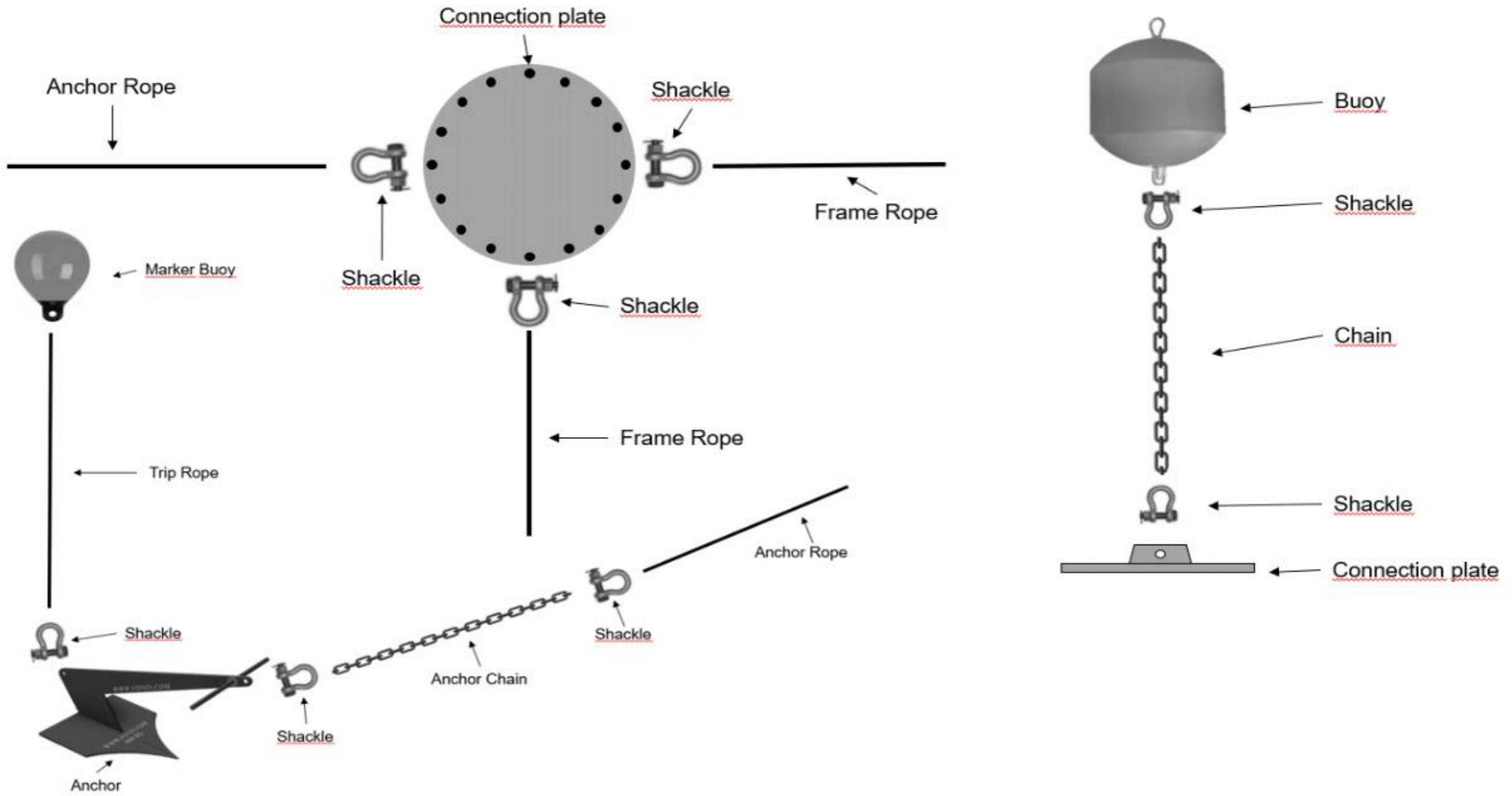
PROPOSED STULAIGH SOUTH, SOUTH UIST
ELEVATIONS & DIAGRAM
 Figure 4 Typical Manufacturers Diagram – Moorings Schematics

Not to Scale	04/10/2022	CLH	SC	0001	Final
Scale	Date	Drawn	Checked	Revision No.	Status



- 27 Sets of Anchor Lines:**
- 227M ROPE X2 8 STR 72MM 98,8T
 - 192M ROPE X2 8 STR 72MM 98,8T
 - 194M ROPE X2 8 STR 80MM 121,3T
 - 257M ROPE X2 8 STR 80MM 121,3T
 - 161M ROPE X2 8 STR 92MM 159T
 - 156M ROPE NYLON 8 STR 72MM 127T
 - 183M ROPE NYLON 8 STR 72MM 127T
 - 259M ROPE NYLON 8 STR 72MM 127T
 - 296M ROPE NYLON 8 STR 72MM 127T
 - 90 T. TXMS MOORING SHACKLE
 - 27,5M 40MM STUDLINK CHAIN 84,5T
 - 27,5M 50MM STUDLINK CHAIN 131,9T
 - 2.500 KG ANCHOR 50T HF
 - 2.000 KG ANCHOR 40T HF
 - 1.500 KG ANCHOR 30T HF
- 17 Frame Ropes:**
- 150T MBL Connection Plate. 150T
 - (R) 120M ROPE X2 8 STR 70MM. 94,5T
 - (R) 120M ROPE X2 8 STR 80MM. 121,3T
 - (R) 120M ROPE X2 8 STR 110MM. 227T
 - 90T MBL TXMS MOORING SHACKLE. 90T
 - 150T MBL TXMS MOORING SHACKLE. 150T
- (B) Three Bridle System:**
- 24M GUNNEBO 35MM CHAIN 83,6T
 - 22M ROPE NYLON 8 STR 110MM. 227T
 - 24M ROPE NYLON 8 STR 110MM. 227T
 - 40T MBL TXMS MOORING SHACKLE 150T
 - 60T MBL TXMS MOORING SHACKLE. 90T
- Buoy Setup**
- 10M CHAIN 19mm LL GUNNEBO 34,7T MBL
 - 40T MBL TXMS MOORING SHACKLE 40T
 - AQUA APB 2200L

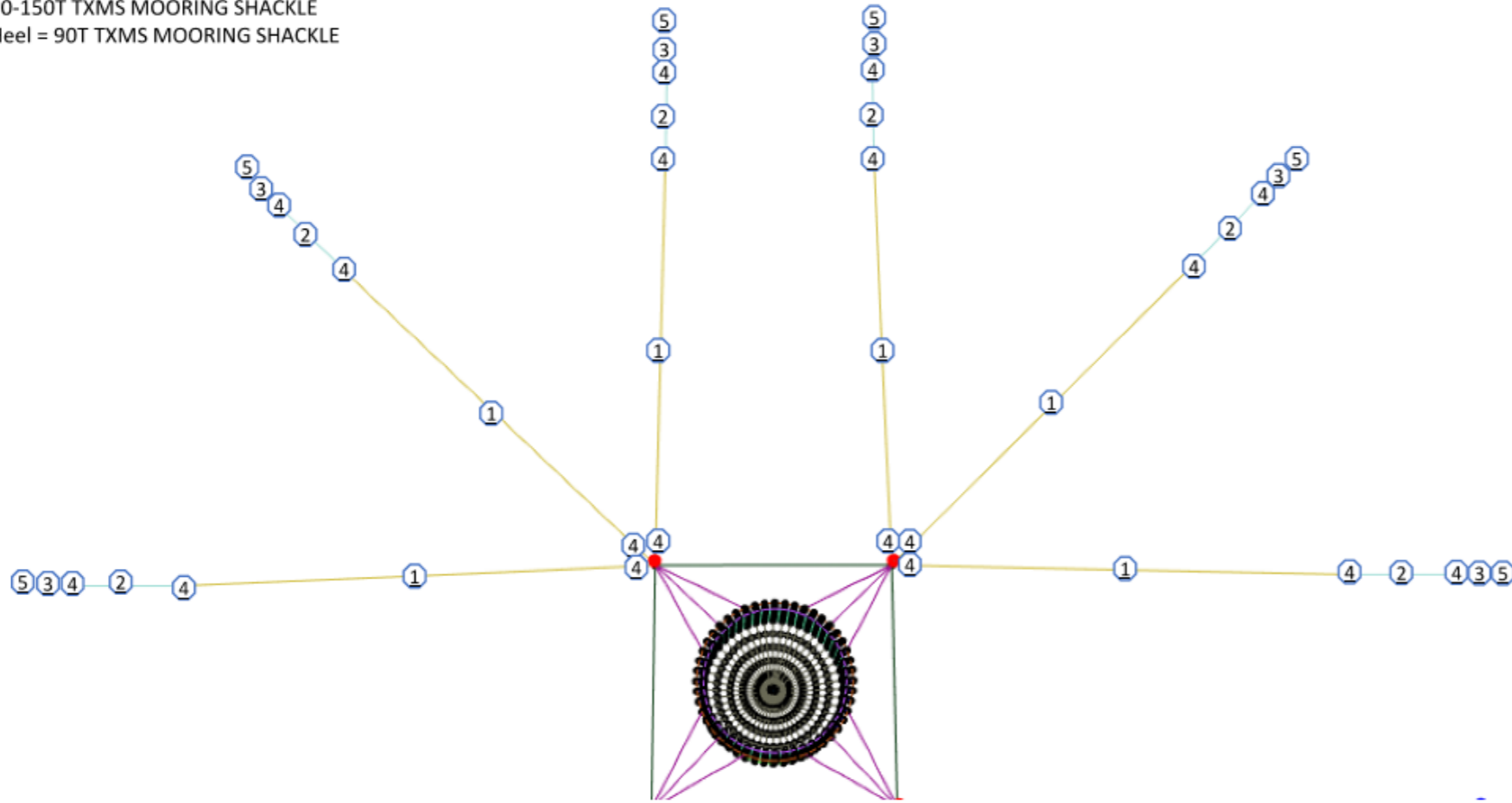
PROPOSED	STULAIGH SOUTH, SOUTH UIST						
PLAN			Not to Scale	04/10/2022	CLH	SC	0001
Figure 5 Typical Manufacturers Diagram – Site Plan showing an example moorings assembly for a typical circular pen of 200m circumference in a 120m matrix			Scale	Date	Drawn	Checked	Revision No. Status



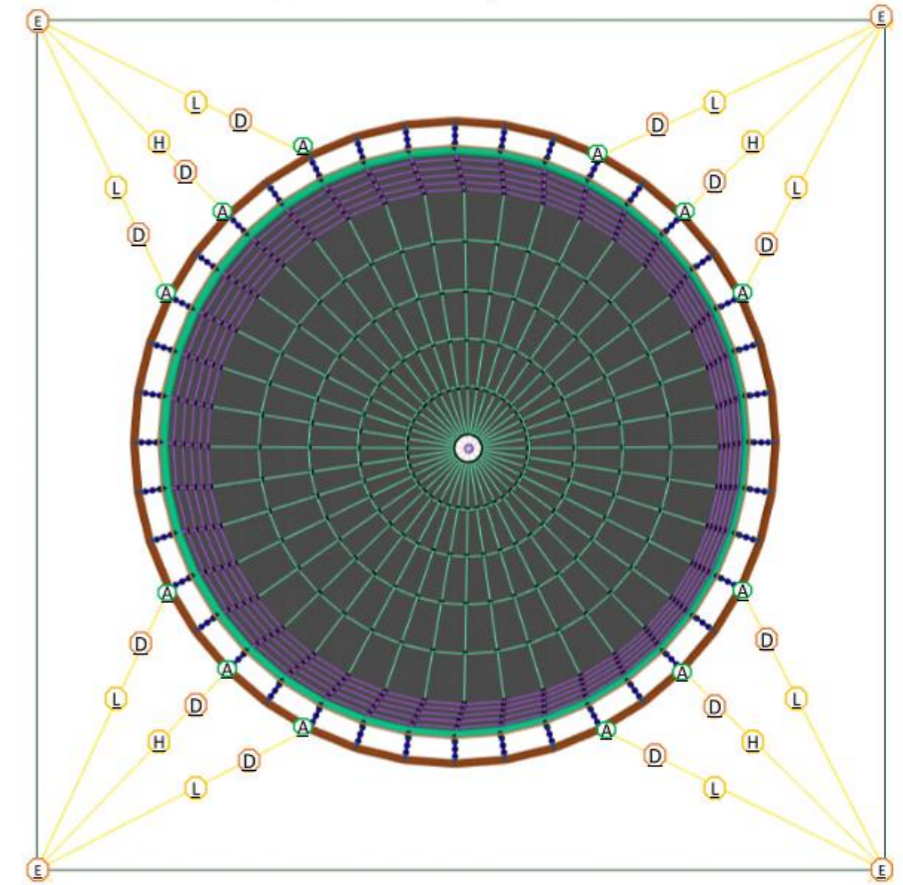
PROPOSED	STULAIGH SOUTH, SOUTH UIST					
DIAGRAM		Not to Scale	04/10/2022	CLH	SC	0001
Figure 6	Typical Manufacturers Diagram – Example Moorings Connection Setup	Scale	Date	Drawn	Checked	Revision No.
						Final
						Status

Stulaigh South Anchor Lines Example in Detail

- Anchor Lines Setup:**
- ① 156-296M Rope X2 72-92MM and Rope Nylon 72mm.
 - ② Chain on 27,5 M. 40-50MM. 84,5-131,9T
 - ③ 1500-2500T Anchor
 - ④ 90-150T TXMS MOORING SHACKLE
 - ⑤ Heel = 90T TXMS MOORING SHACKLE



Stulaigh South Example Bridles in Detail

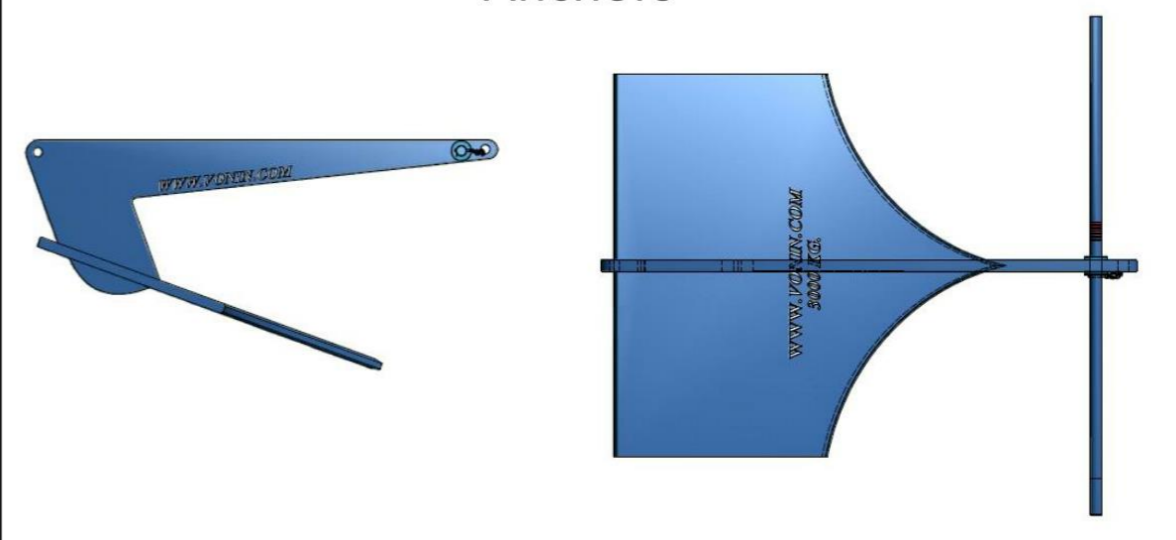


- Three Bridle System:**
- L 24M NYLON 8 STR 110MM. 227T
 - H 22M NYLON 8 STR 110MM. 227T
 - D 24M GUNNEBO 35MM CHAIN 83,6T
 - E 150MBL TXMS Mooring Shackle
 - A 90MBL TXMS Mooring Shackle

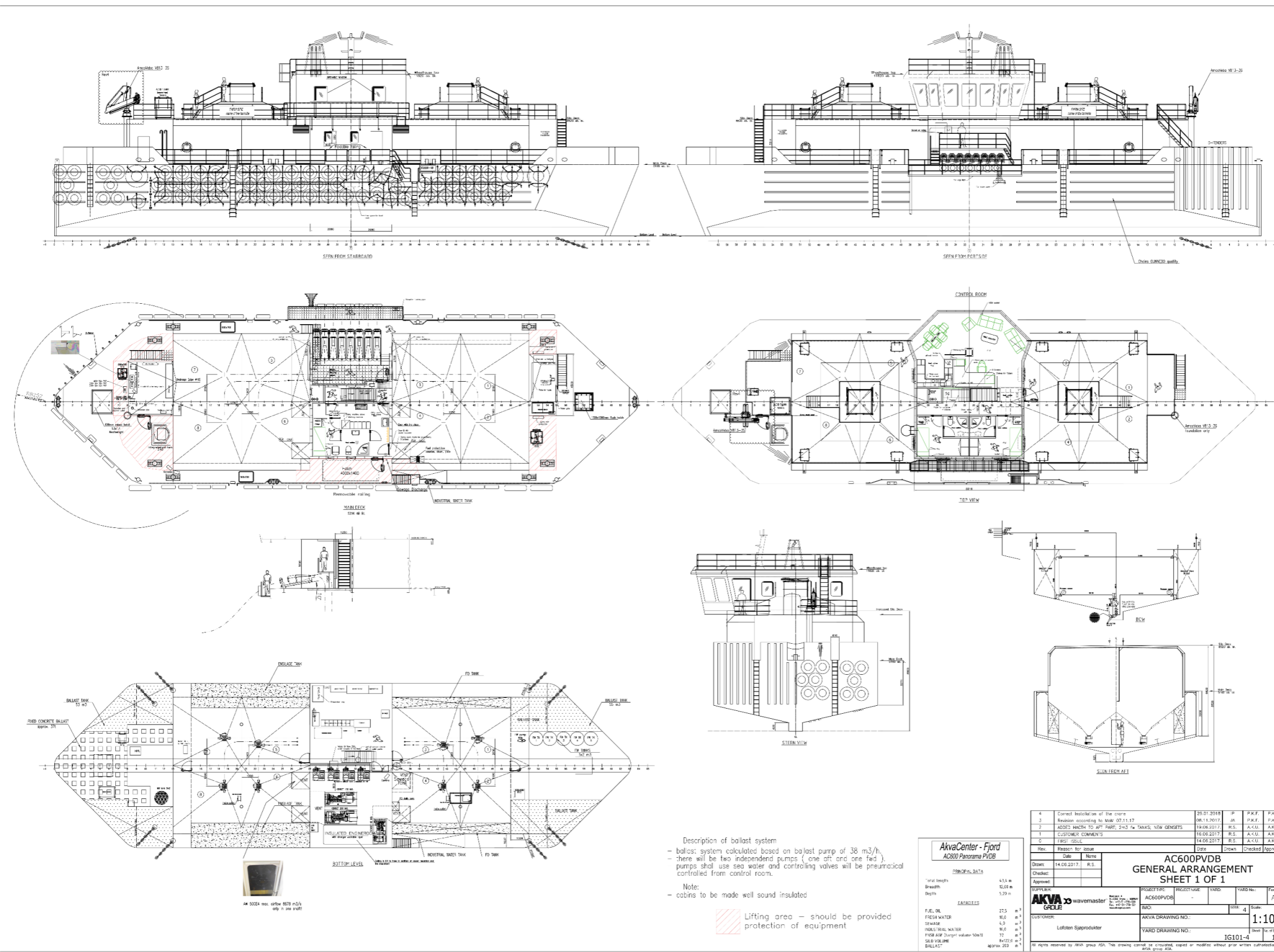
Products



Anchors

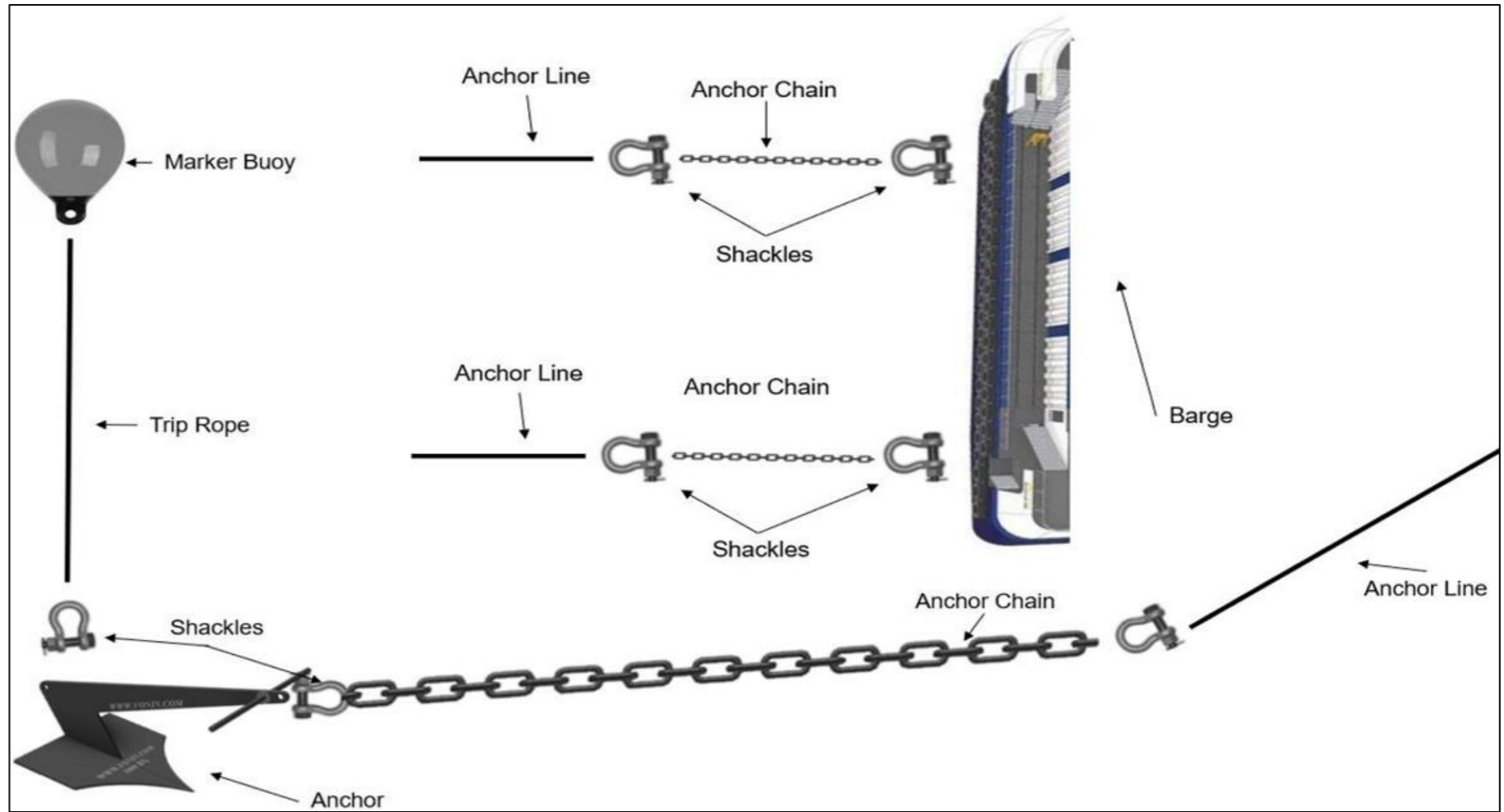
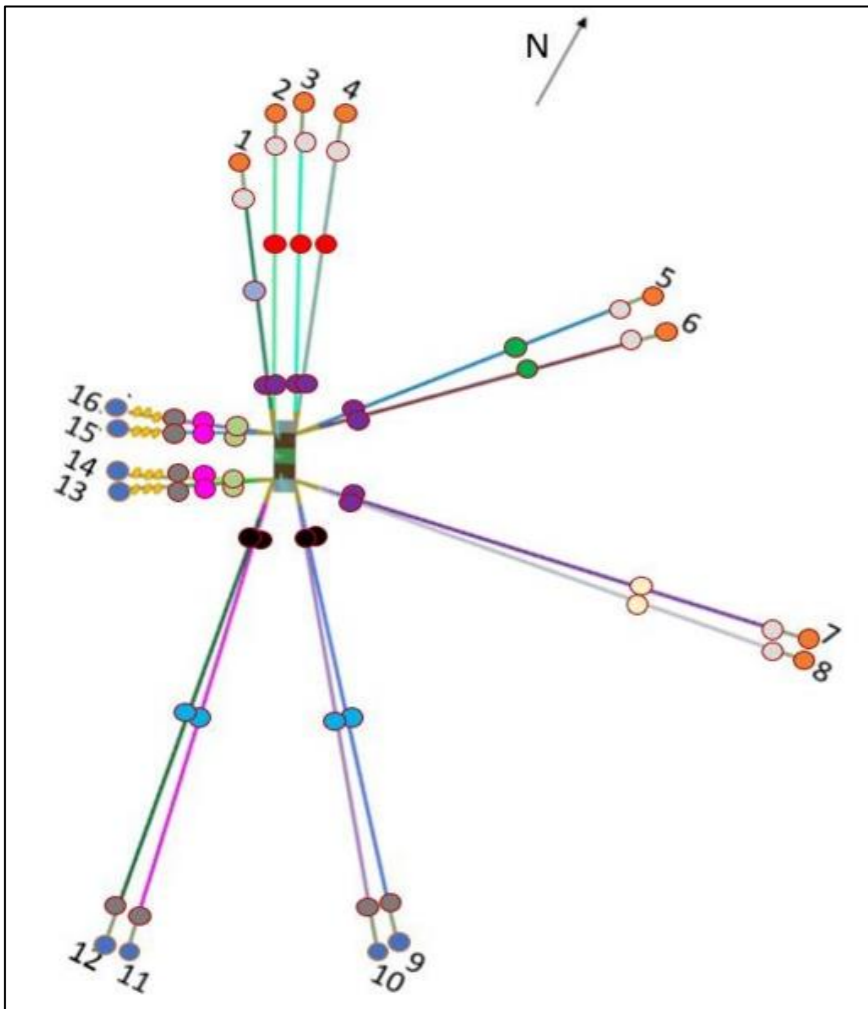


PROPOSED STULAIGH SOUTH, SOUTH UIST		Not to Scale	04/10/2022	CLH	SC	0001	Final
DIAGRAMS AND IMAGES							
Figure 6	Typical Manufacturers Diagram – Example Moorings Setup and Components	Scale	Date	Drawn	Checked	Revision No.	Status



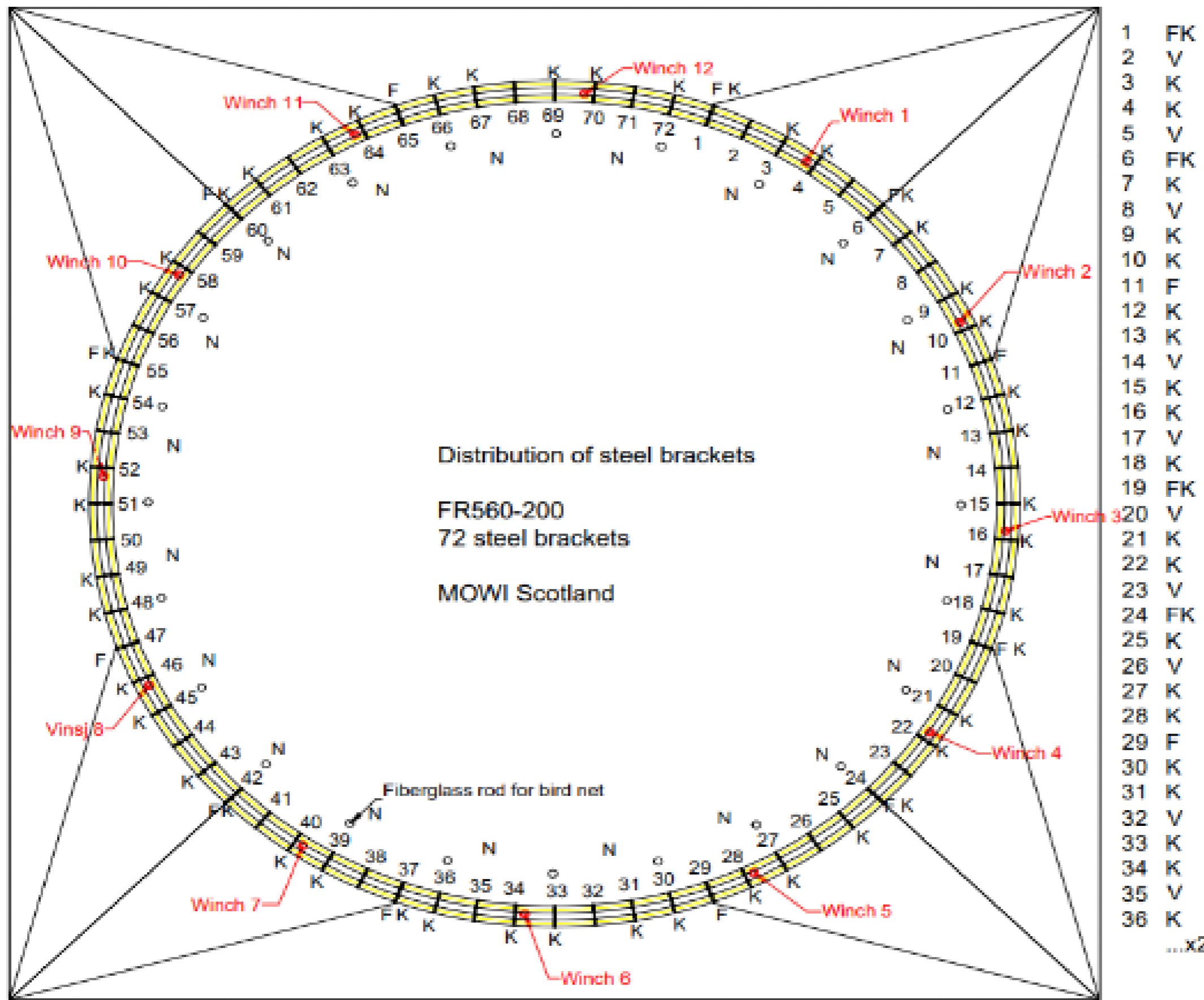
PROPOSED	STULAIGH SOUTH, SOUTH UIST	Not to Scale	04/10/2022	CLH	SC	0001	Final
	PLAN & ELEVATIONS		Scale	Date	Drawn	Checked	Revision No.

Figure 7 Akva AC600PV feed barge - Manufacturers dimensional illustration showing the Akva AC600PV, black/white. 600 tonne capacity. Maximum height of approximately 12m, 43.4m by 12m.



- 16 Sets of Anchor Lines:**
- 135M ROPE NYLON 8 STR 64MM 101T
 - 180M ROPE NYLON 8 STR 64MM 101T
 - 217M ROPE NYLON 8 STR 64MM 101T
 - 312M ROPE NYLON 8 STR 64MM 101T
 - 260M ROPE NYLON 8 STR 92MM 159T
 - 53M ROPE NYLON 8 STR 72MM 127T
 - 90 T. TXMS MOORING SHACKLE
 - 110 T. TXMS MOORING SHACKLE
 - 25M 40MM STUDLINK CHAIN 84,5T
 - 15M 40MM STUDLINK CHAIN 84,5T
 - 25M 50MM STUDLINK CHAIN 131,9T
 - 15M 50MM STUDLINK CHAIN 131,9T
 - 10M 50MM STUDLINK CHAIN 131,9T
 - 2.500 KG ANCHOR 50T HF
 - 2.000 KG ANCHOR 40T HF
 - 1.500 KG ANCHOR 30T HF
 - CONCRETE BLOCK 5T

PROPOSED	STULAIGH SOUTH, SOUTH UIST						
PLAN & DIAGRAM			Not to Scale	04/10/2022	CLH	SC	0001
Figure 8 Typical Manufacturers Diagram – Barge Moorings Assembly and Connection Setup			Scale	Date	Drawn	Checked	Revision No. Status



- 1 FK
- 2 V
- 3 K
- 4 K
- 5 V
- 6 FK
- 7 K
- 8 V
- 9 K
- 10 K
- 11 F
- 12 K
- 13 K
- 14 V
- 15 K
- 16 K
- 17 V
- 18 K
- 19 FK
- 20 V
- 21 K
- 22 K
- 23 V
- 24 FK
- 25 K
- 26 V
- 27 K
- 28 K
- 29 F
- 30 K
- 31 K
- 32 V
- 33 K
- 34 K
- 35 V
- 36 K
- ...x2

Scale AQ FrøyaRingen
Floating collar

Explanation:
K: Bracket for sinker tube

F: Mooring bracket

FK: Combination of mooring bracket and bracket for sinker tube

N: Net attachment point

W: Location of winch

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Figure 9. Manufacturers diagram showing the typical distribution of equipment across the proposed 200m circular pens.