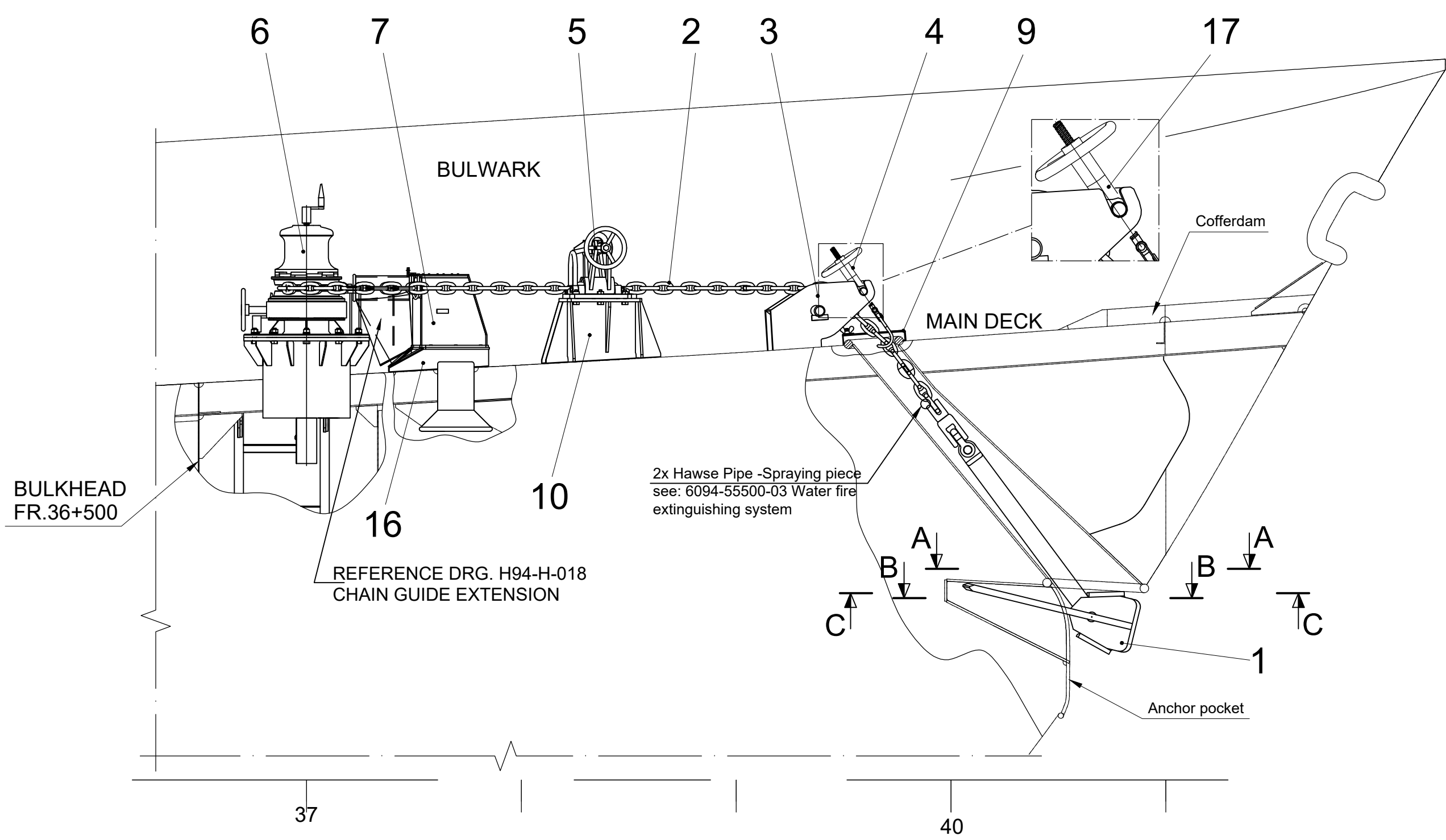
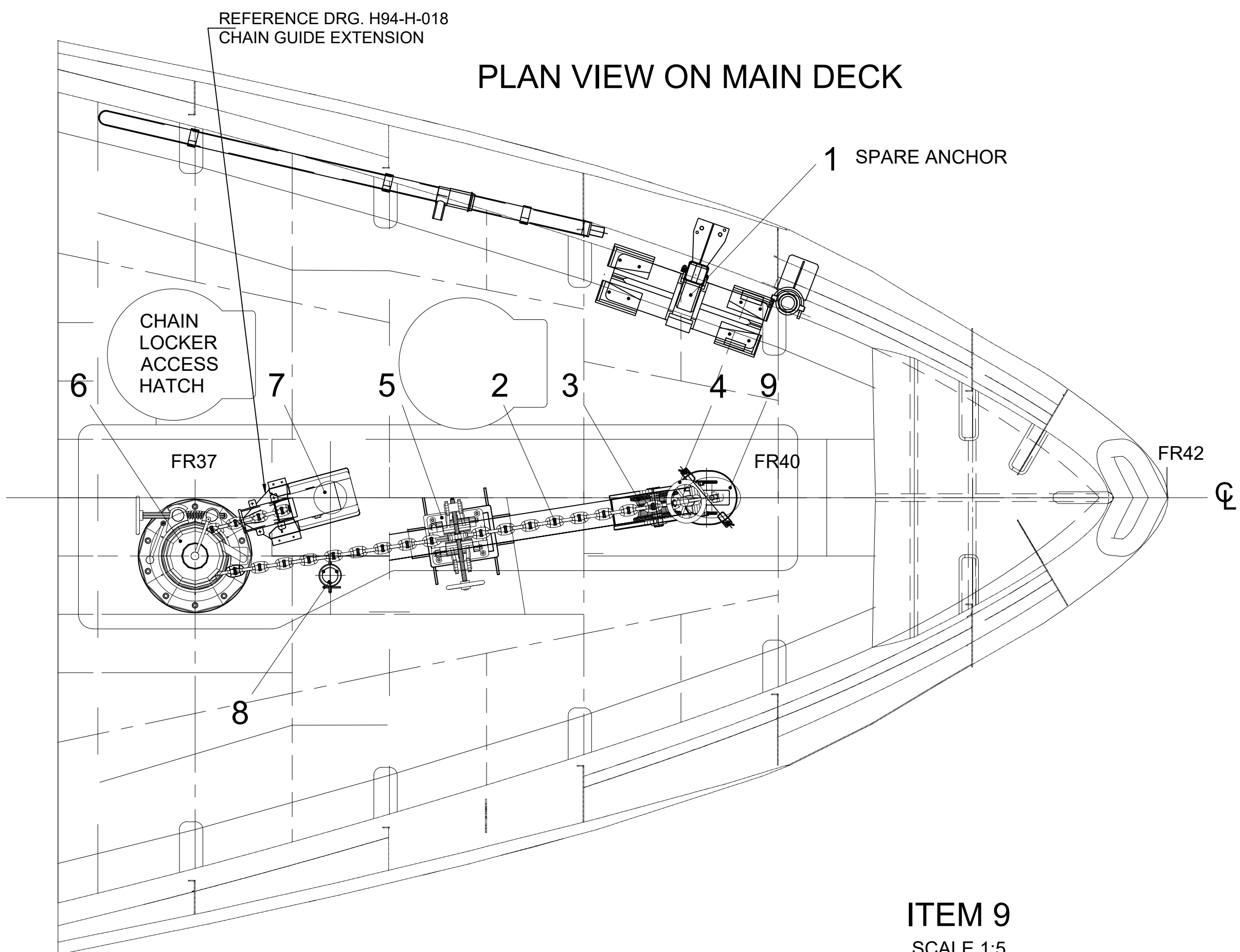


# PART EXTERNAL PROFILE

LOOKING TO PORT

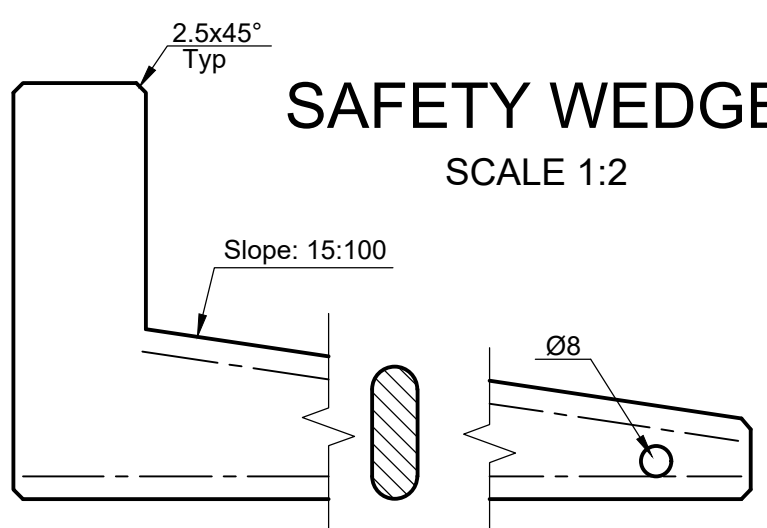


# PLAN VIEW ON MAIN DECK



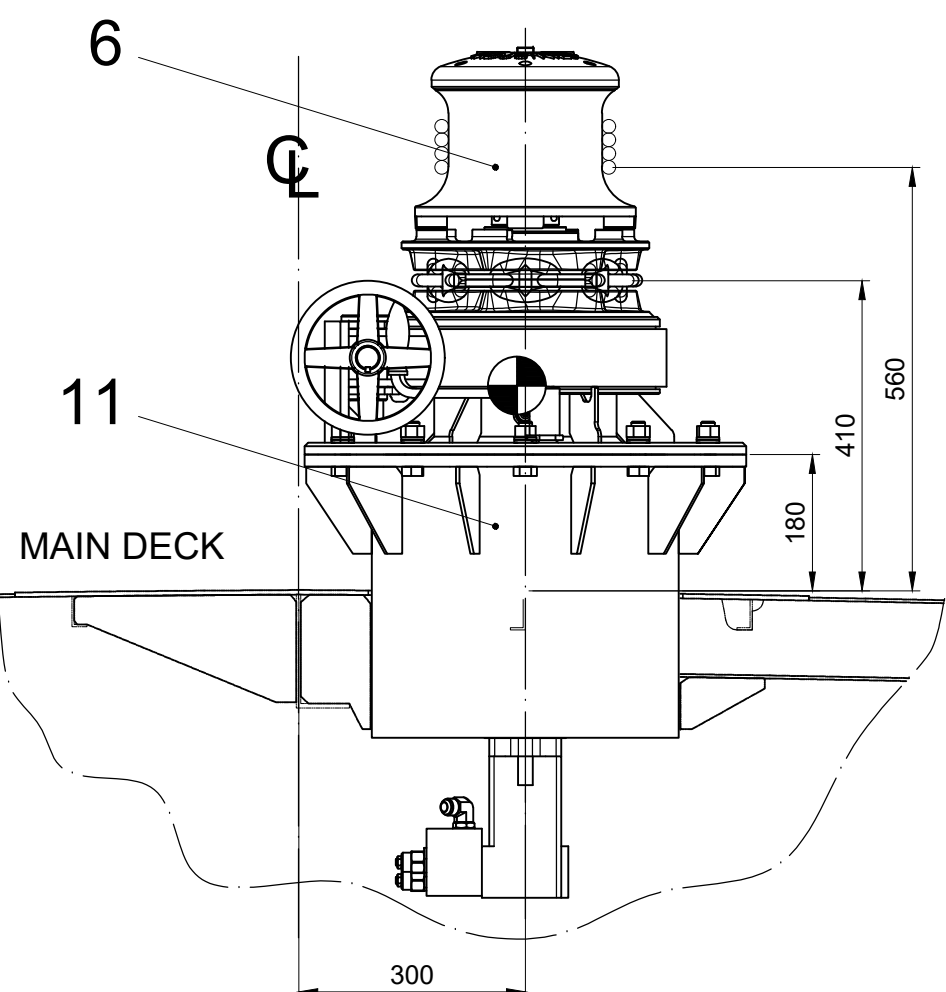
# SAFETY WEDGE

SCALE 1:2



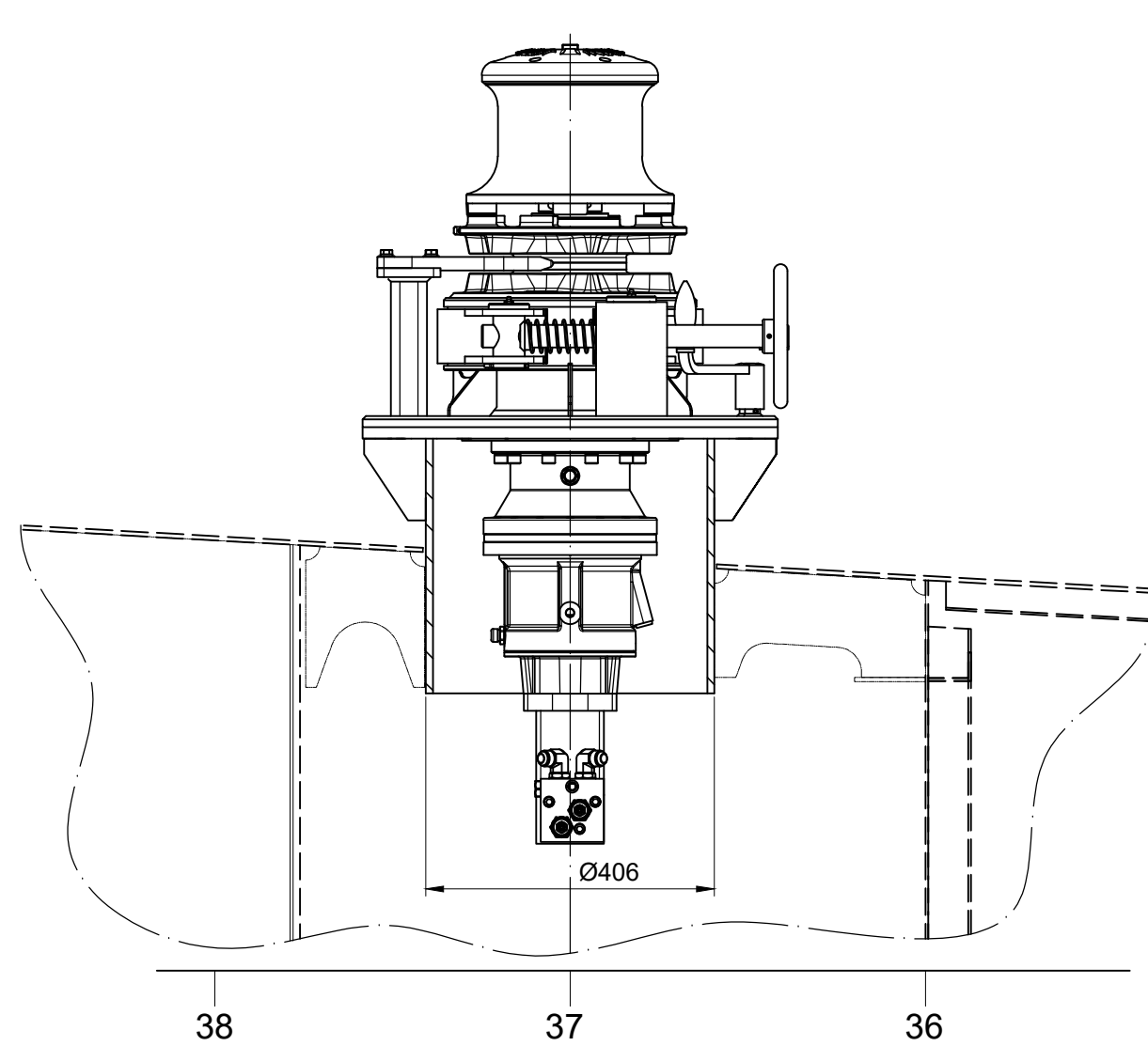
# PART SECTION AT FRAME 37

LOOKING FORWARD  
SCALE 1:10



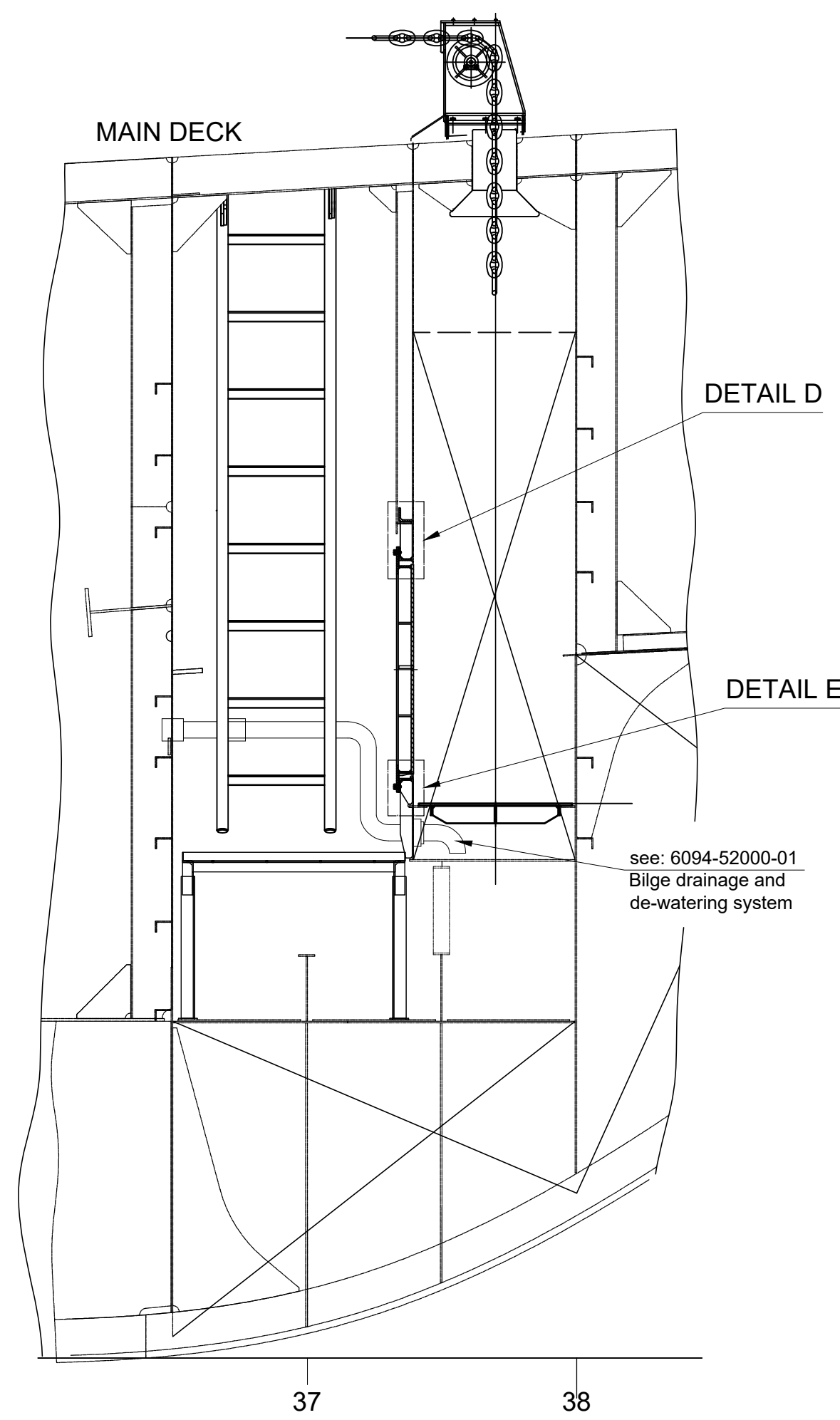
# PART ELEVATION 300 OFF C.L.

ON STARBOARD  
LOOKING TO STARBOARD  
SCALE 1:10



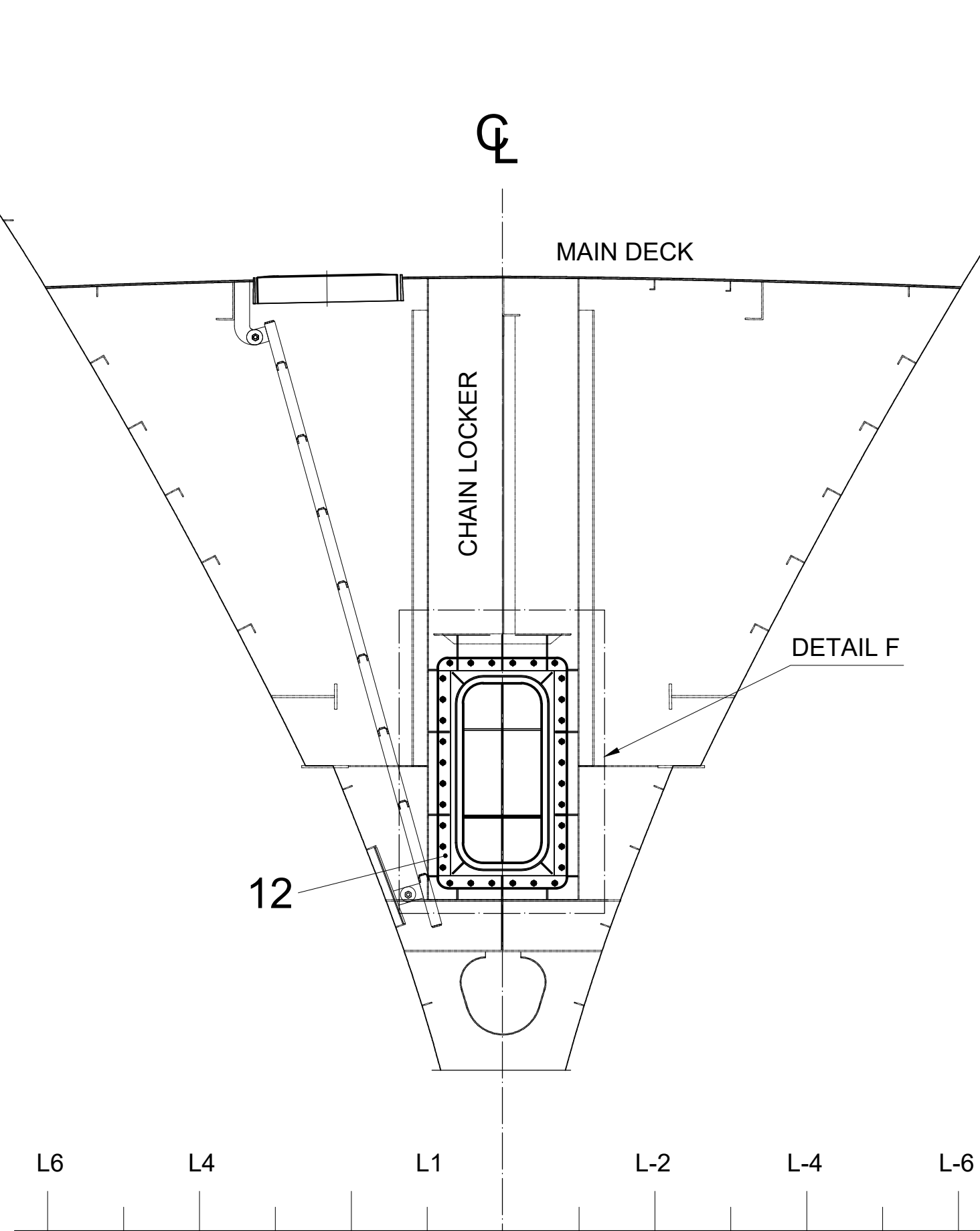
# PART ELEVATION IN C.L.

LOOKING TO PORT



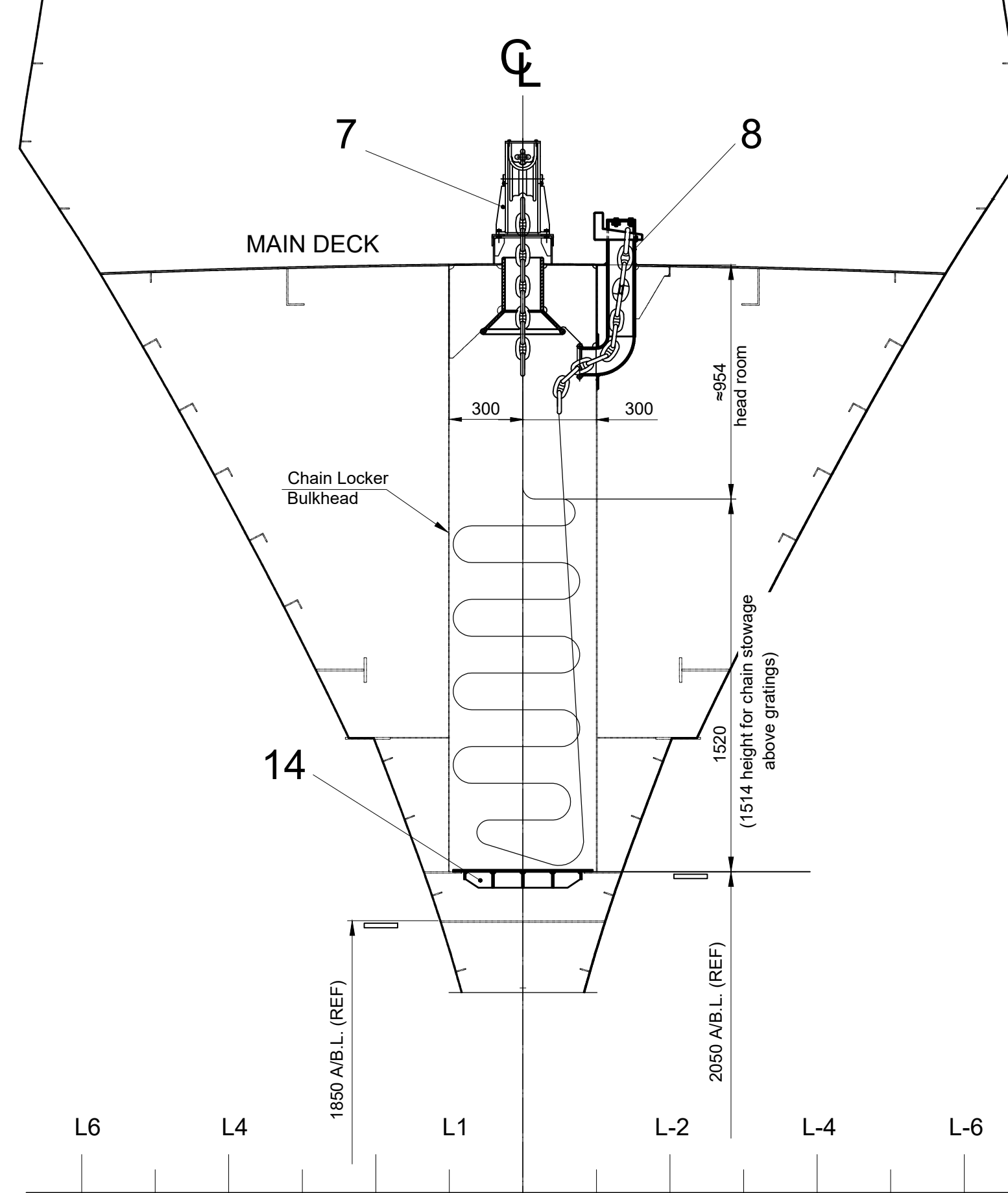
# SECTION AT FRAME 37+350

LOOKING FORWARD



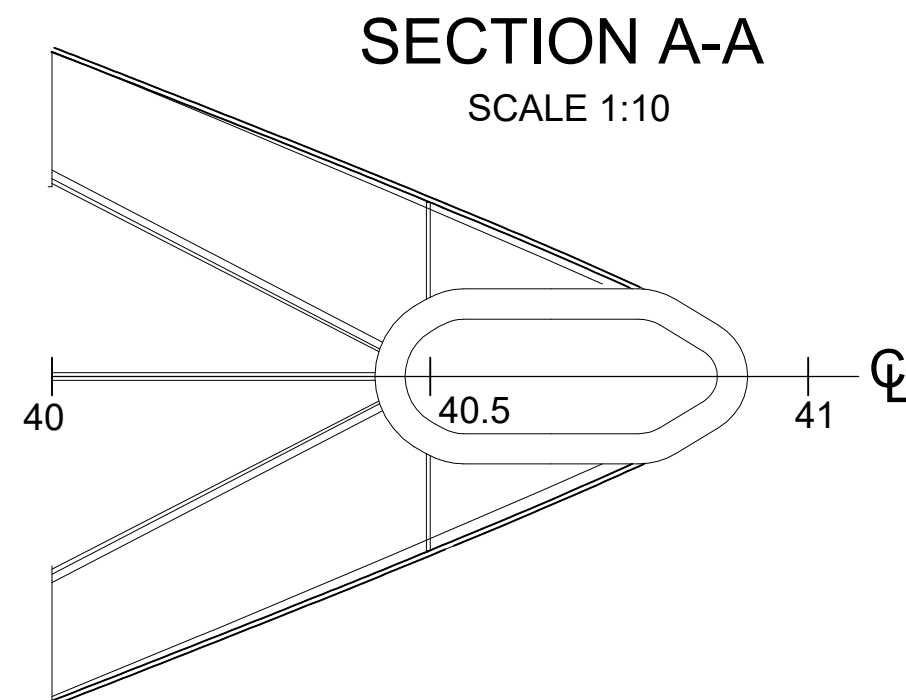
# SECTION AT FRAME 37+695

LOOKING FORWARD



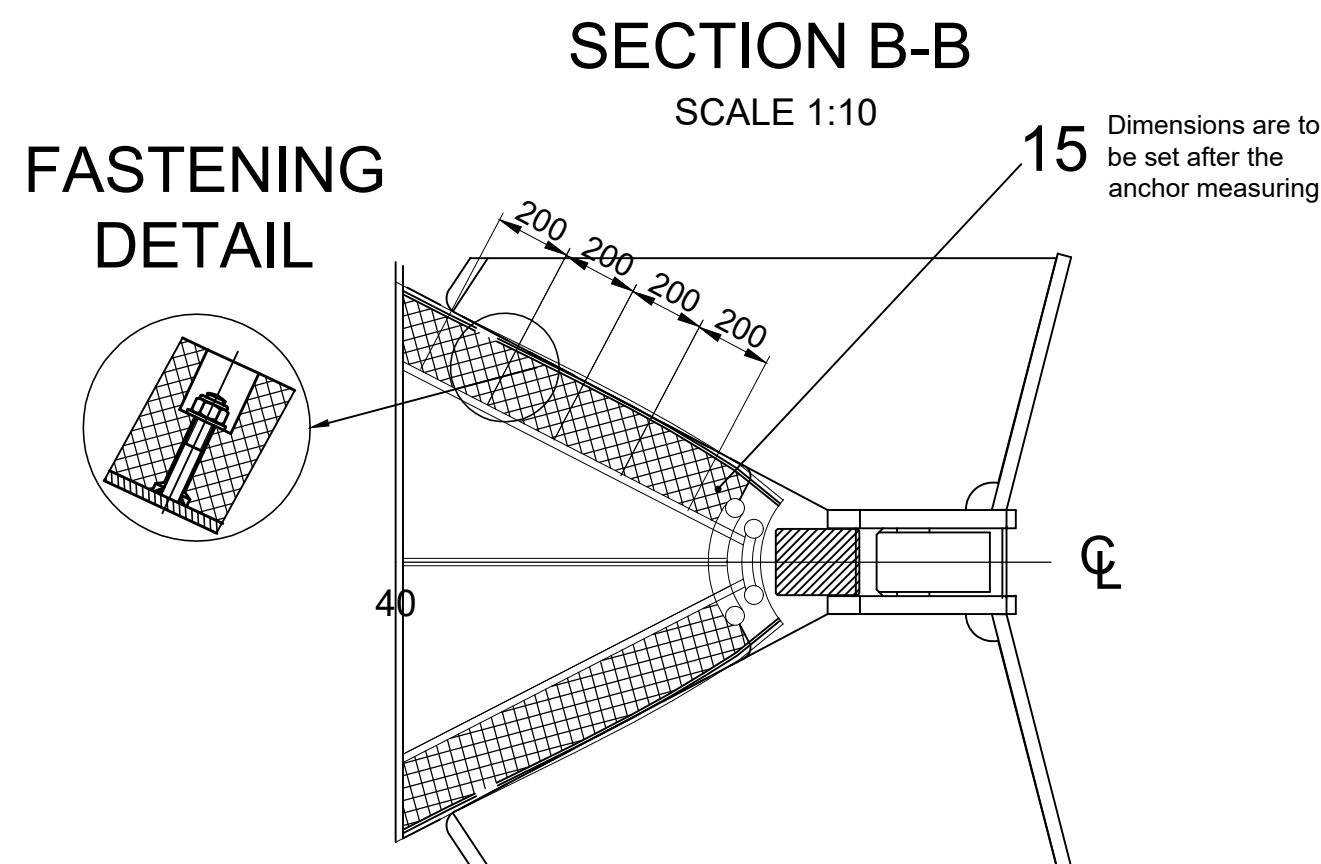
# SECTION A-A

SCALE 1:10



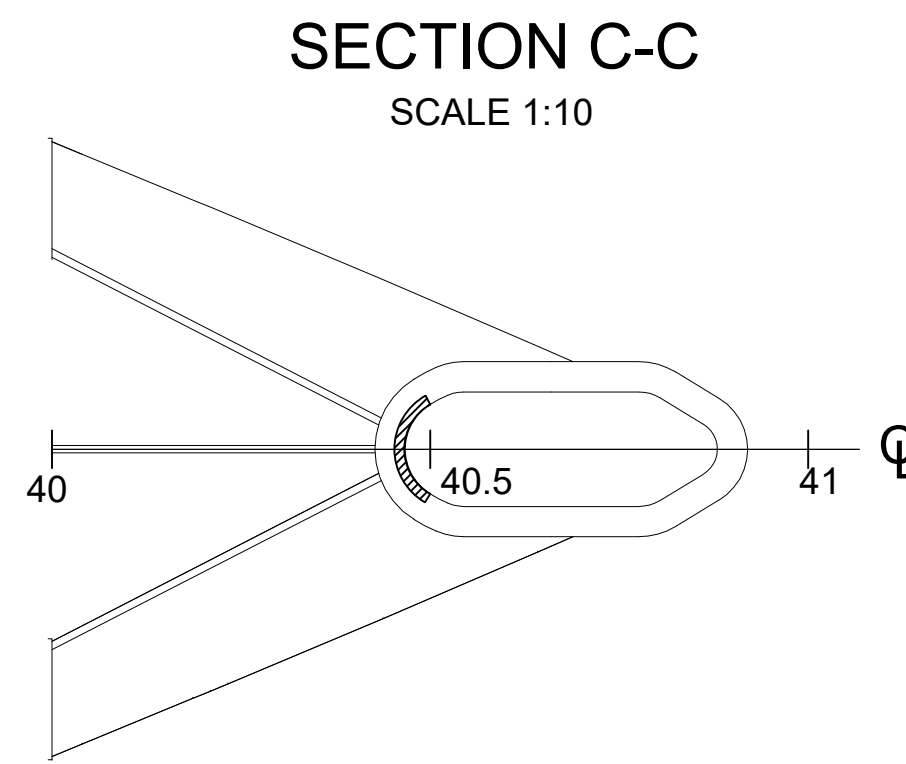
# SECTION B-B

SCALE 1:10



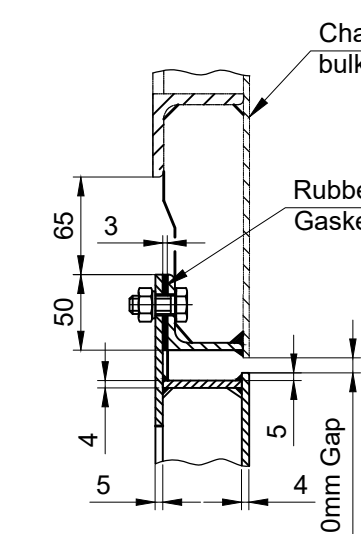
# SECTION C-C

SCALE 1:10



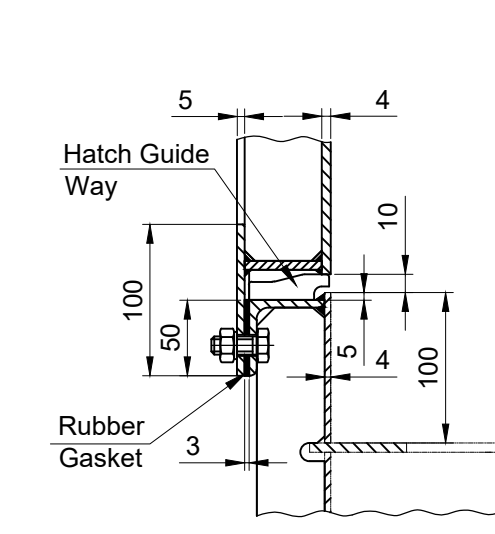
# DETAIL D

LOOKING TO PORT  
SCALE 1:10



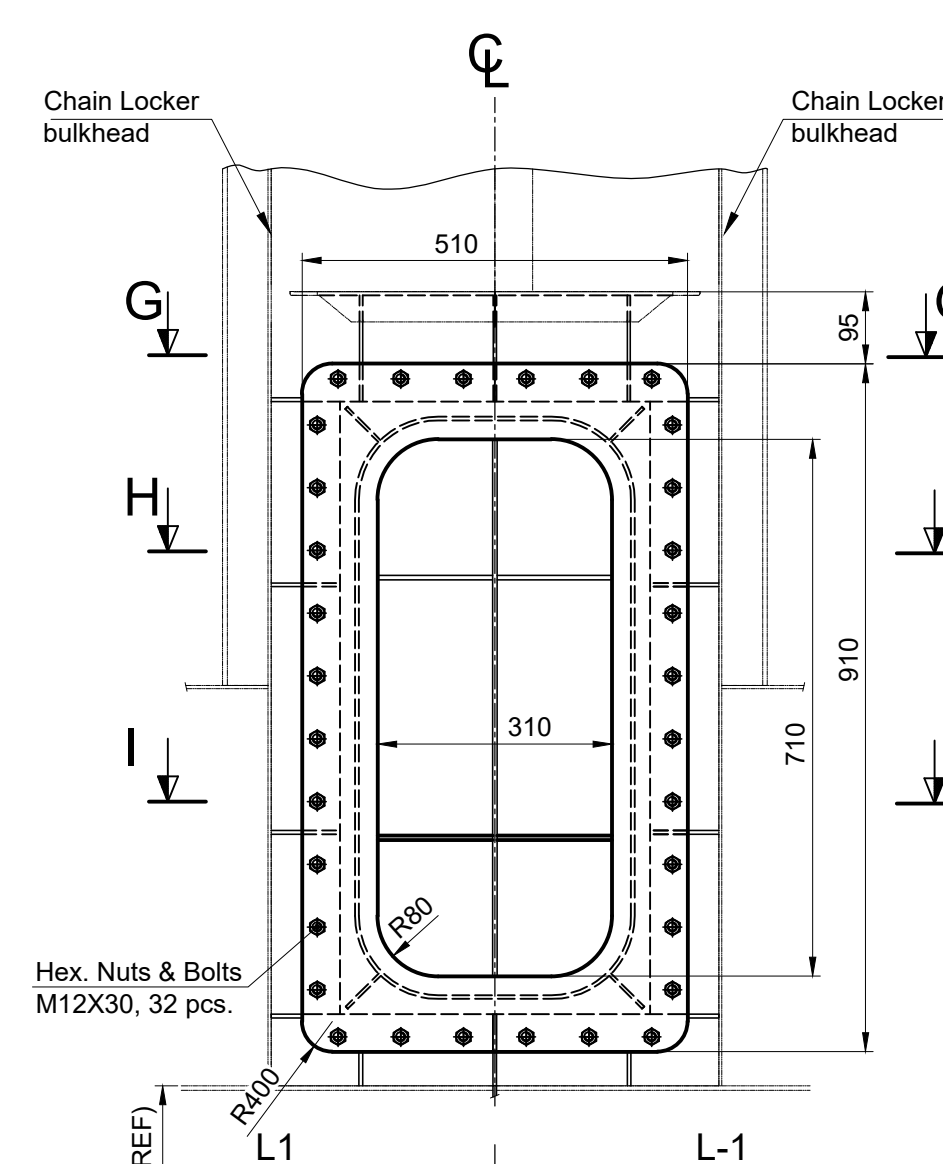
# DETAIL E

LOOKING TO PORT  
SCALE 1:10



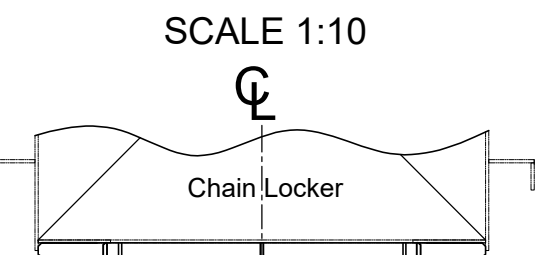
# DETAIL F

LOOKING FORWARD  
SCALE 1:10



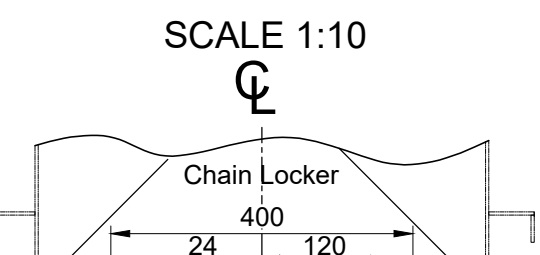
# SECTION G-G

SCALE 1:10



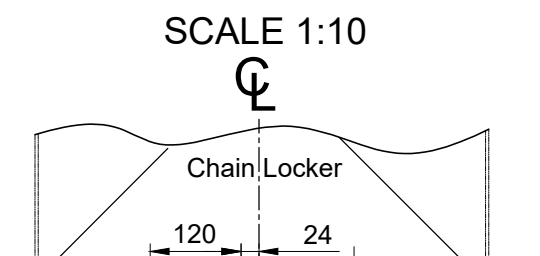
# SECTION H-H

SCALE 1:10



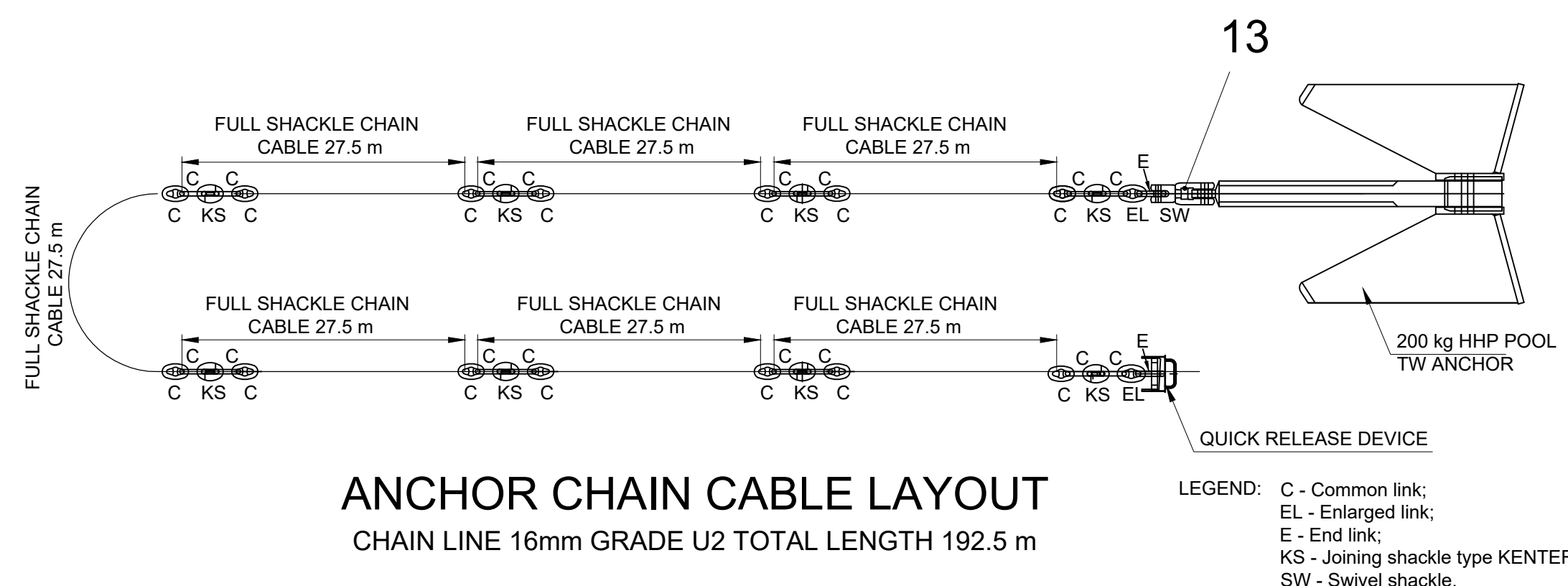
# SECTION I-I

SCALE 1:10



# ANCHOR CHAIN CABLE LAYOUT

CHAIN LINE 16mm GRADE U2 TOTAL LENGTH 192.5 m

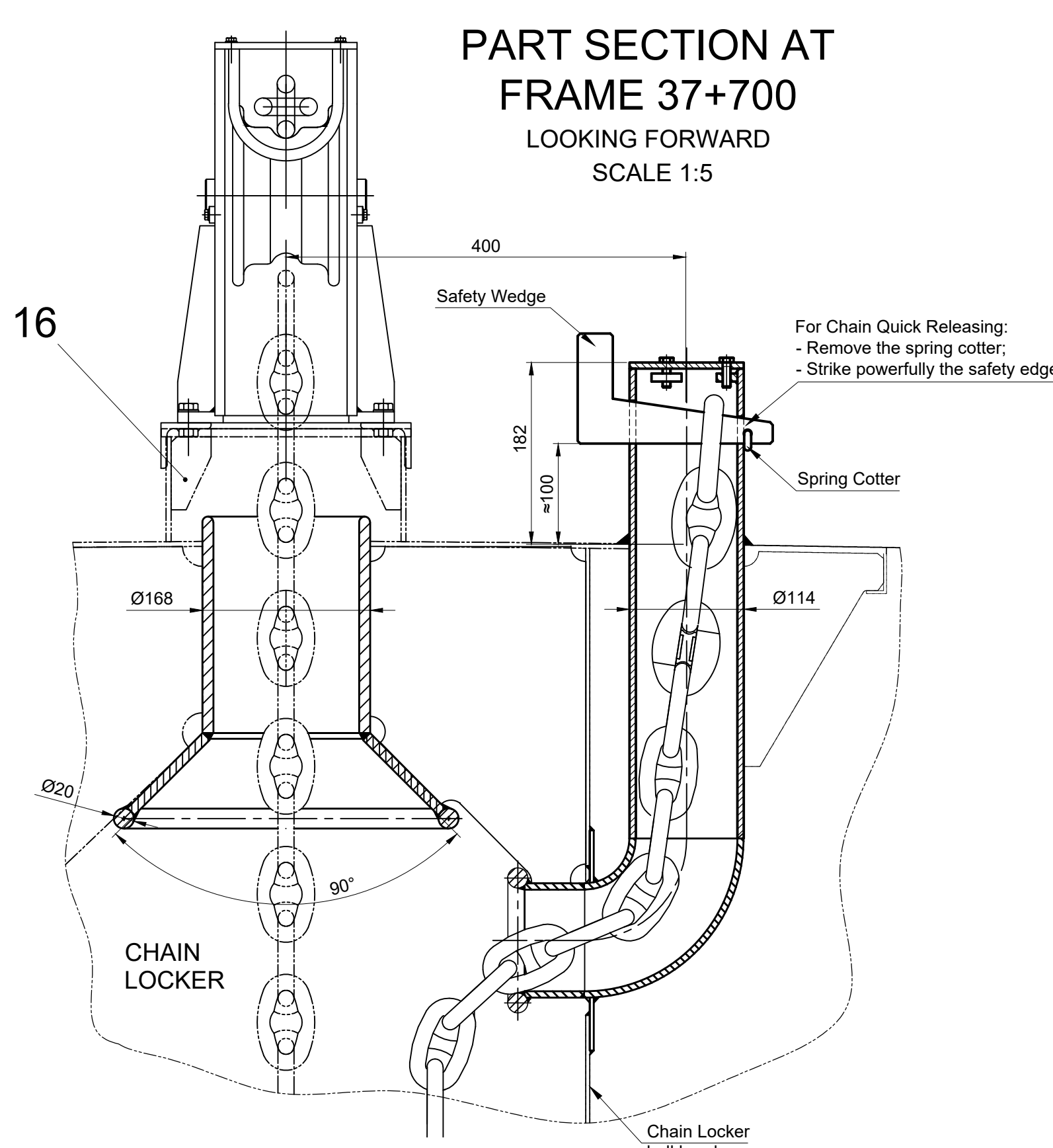


LEGEND: C - Common link;  
EL - Enlarged link;  
E - End link;  
KS - Joining shackle type KENTER;  
SW - Swivel shackle.

# PART SECTION AT

FRAME 37+700

LOOKING FORWARD  
SCALE 1:5



# TECHNICAL CHARACTERISTICS

- ANCHOR CHAIN:
  - Chain diameter: Ø 16 mm
  - Chain quality: Grad U2 LRS
  - Chain length: 192.5 m (7 shots 27.5 m each)
- ANCHOR:
  - Type: High Holding Power Pool TW
  - Weight: minimum 197 Kg
  - Execution: unbalanced
- HYDRAULIC COMBINED ANCHOR - MOORING CAPSTAN:
  - Anchoring function:
    - Chain diameter: Ø 16 mm
    - Continuous duty pull: P=10.67 KN... over a period of 26.4 minutes
    - P=16 KN... over a period of at least 2 minutes
  - The capstan shall be capable of raising the anchor from depth of 82.5 m to a depth of 27.5 m at a mean speed of 9 m/min.
  - Mooring function:
    - The capstan shall have sufficient power to exert a pull of rope at warping end min. nominal pull 10 kN... and a nominal speed 10 m/min.
    - Loose rope speed 20 m/min.
- ACTUATION: hydraulically operated

# NOTES:

- Two (2) of the seven (7) shots of each fitted chain shall be galvanized - one (1) fitted at the bittler end, and one (1) fitted at the anchor's end.
- The cover (pos.8) should be removed during the anchor manoeuvring.
- The spare anchor will be provided with one (1) jaw swivel shackle, one (1) end link, one (1) enlarged link, one (1) common link and one (1) joining shackle Kenter type.
- According with LLOYD'S RULES AND REGULATIONS FOR THE CLASSIFICATION OF SPECIAL SERVICE CRAFT, July 2000 Part 3 Chapter 5 Section 6.8 the latter end connection will be designed for shear failure under a runaway chain load not less than 10 per cent of the breaking strength of the anchor chain.
- The cover cutting -out was made taking into consideration the chain link dimensions and the chain input angle in the hawse pipe. Final dimensions of the chain outfit should be determined after installation of the anchor chain.
- The under deck structure in way of anchor and mooring capstan is according to PROFILE DECKS PLANS dwg no: 6094-10000-02.
- Anchor chain cable and accessories are to be manufactured by approved procedures at works approved by Lloyd's Register. Testing is to be in accordance with Lloyd's Rules for Manufacture, Testing and Certification of Materials under the supervision of Lloyd's register's Surveyors.
- Closing device in way of chain cable end is to be of watertight construction.

# REFERENCE DRAWINGS:

- AF6097-89940-01 GENERAL ARRANGEMENT PLAN
- AF6097-58200-01 TOWING AND MOORING ARRANGEMENT
- AF6097-10000-08 FORE END CONSTRUCTION PLAN
- AF6097-55500-03 WATER FIRE EXTINGUISHING SYSTEM
- AF6097-52000-01 BILGE DRAINAGE AND DE-WATERING SYSTEM
- AF6097-10000-02 PROFILE DECKS PLANS

# CONSTABLE CARRIÈRE

AF	APR/12/13	AS-FITTED	D.A.	D.A.	B.Faulder
Rev	Date	Description	Perform	Check	Appr.
Client:		CANADIAN COAST GUARD		Title:	
		international contract engineering		ANCHOR SYSTEM ARRANGEMENT PLAN	
		IRVING IRVING SHIPBUILDING INC.		MID-SHORE PATROL VESSEL	
		P.O. Box 9110, 3099 Barrington Street, Halifax NS, Canada B3K 5M7, Tel: 902-423-0271, Fax: 902-429-4510		Scale: 1:20 Size: A0 Project No: 6097 Dwg. date: 17/06/2011	
		Contract No: F7045-060001/002/NQ		Rev: AF Sheet: 1 of 1	