

SIDE VIEW

F-F

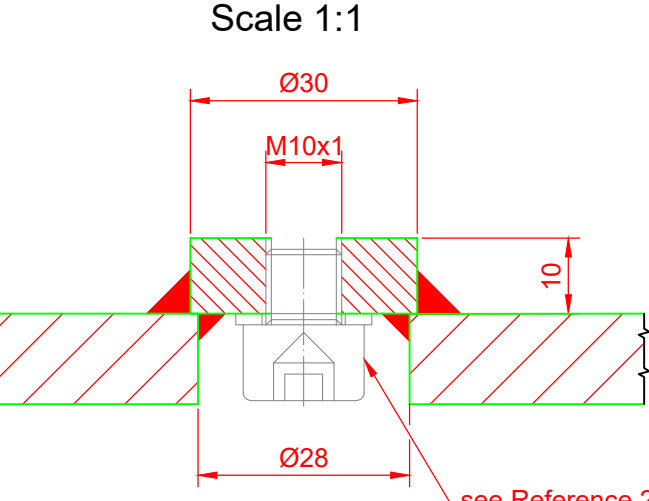
SECTION G-G

DETAIL 1

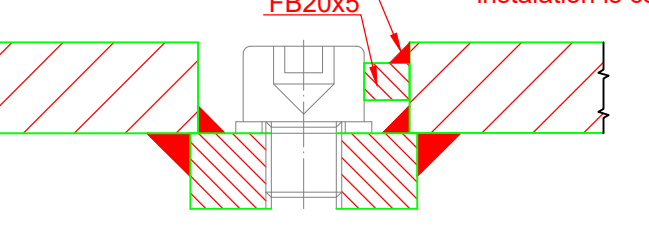
DETAIL 2

DETAIL 3

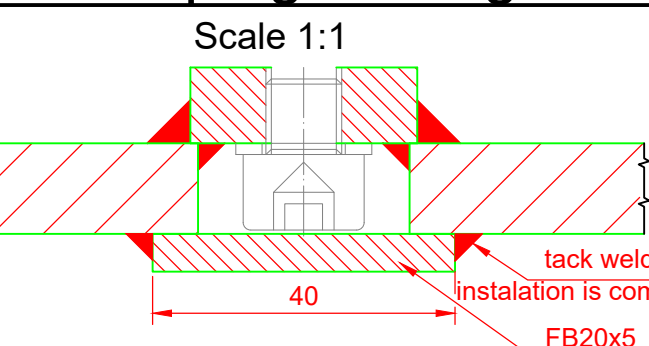
DETAIL 4



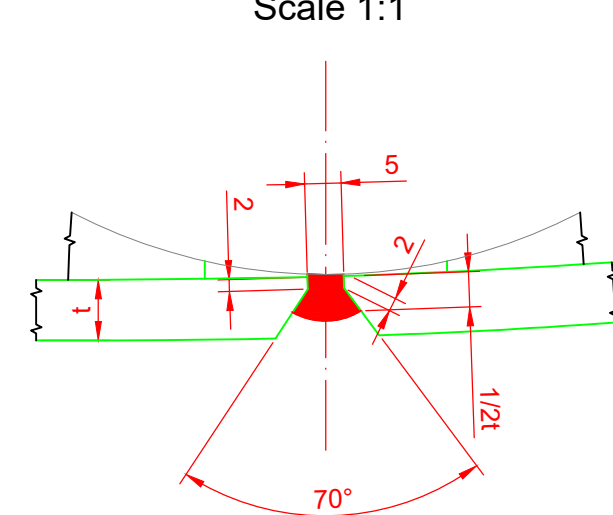
Top plug loking detail



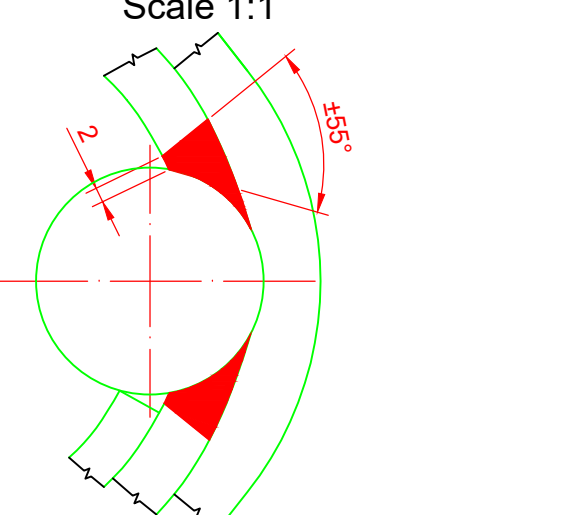
Bottom plug locking detail



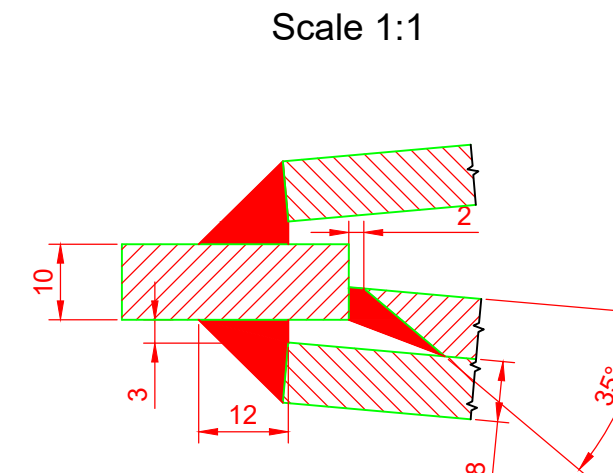
DETAIL 5 (TYPICAL)



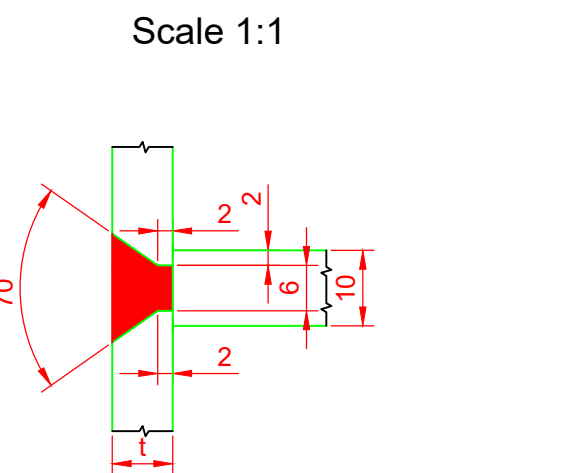
DETAIL 6



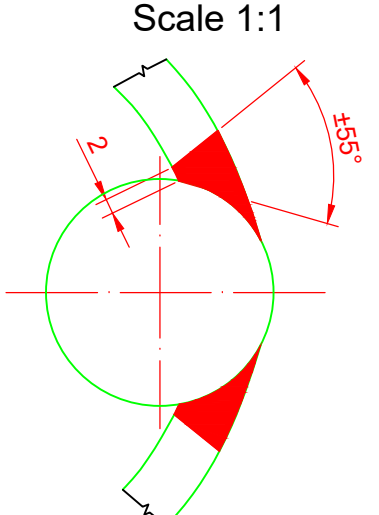
DETAIL 7



DETAIL 8



DETAIL 9



Notes:

1. S.B. rudder is drawn.
2. Manufacture 1xSB and 1xPS.
3. Keyway S.B. is opposite P.S.
4. Weight: 124 kg (each).
5. Rudder area: A=0.83m².
6. Material rudder blade: X2CrNiMo17-12-2 (316-L) min. $\sigma_y = 206$ N/mm².
7. All welds $\geq \Delta 3.5$, unless stated otherwise.
8. Rudder to be pressure tested for water tightness with 3 M.W.E. (10.3 bar).
9. Avoid excessive tension/ deformation in the rudder caused by long continuous welding.
10. Avoid reduction of weld strength by excessive grinding outside of rudder.
11. Pre-heat rudderstock (before assembly) rudder by welding up to 30 °C.
12. Use welding sequence to avoid excessive heat penetration during rudder construction.
13. Rudder manoeuvring angle 2x35°.
14. Ship estimated (arrival) speed V = 27 knots.
15. Detail 4 have stainless steel hexagon socket head cap screw.

Reference Documents:

1. AF6097-89940-01_General Arrangement Plan
2. 6094-56100-01_Steering System Mechanical Part
3. 6094-56200-01_Rudder Stock Plan
4. AF6097-10000-06_Air End Construction Plan

CONSTABLE CARRIÈRE

Rev	Date	Description	Perform	Check	Appr.
AF	APR/12/13	AS-FITTED	D.A.	D.A.	B.Fauidet
Client: CANADIAN COAST GUARD			Title: RUDDERS CONSTRUCTION PLAN		
international contract engineering			MID-SHORE PATROL VESSEL		
IRVING SHIPBUILDING INC.			Size: A0 Project No: 6097		
P.O. Box 9110, 3988 Barrington Street, Halifax NS, Canada B3K 5M7, Tel: 902.423.6271, Fax: 902.428.4810			Scale: 1:2.5 Drawn by: I.Egure Checked by: N.Saighin Dwg. date: 12/07/2011		
Contract No: F7045-060001/002/NQ			Draw no: AF6097-10000-11 Rev. AF		
			© IRVING SHIPBUILDING INC. Sheet: 1 of 2		

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