

**US PHRF of Southeast Florida, Inc.**  
**2012 Rating Certificate # 12\_1229001**  
[www.phrfsef.com](http://www.phrfsef.com)

Date Issued: 1/1/2012  
 Valid until 12/31/2012  
 US PHRF/SEF  
 PO Box 820003 Pembroke Pines, FL 33082-0003

Rating: 78

Boat Name: **Constellation**  
 Owner: Greg Petrat  
 USSA Member #: 206827V

Sail #: 13010  
 Club Affiliation: Sarasota yacht club

**Hull Information**

Boat Type: SWAN 48 TM by S&S  
 Keel Type: Fin  
 Engine: Inboard  
 Prop type: Feathering  
 Displacement: 36,000 lbs.

Length Overall: 47.9  
 Waterline Length: 37.3  
 Beam: 13.6  
 Draft Keel/CB: 7.7/  
 Ballast: 14,100 lbs.

**Rig Information**

Type: Masthead  
 Material: Aluminum  
 Headsail %: 155  
 LP: 31. Spinnaker % of J: 180  
 I: 62.5 J: 20. P: 56.5 E: 15.5  
 SPL: 20. ISP: 62.5 Jc: .0  
 Total Upwind SA: 1554.6 Total Downwind SA: 2400.2

**Penalty/Credit Information**

LP mod	RFH	RFJ	CRFJ	M-HL	M-VB	SFlash	OS-SPL	OS-Spin	OS-Main
0	0	0	0	0	0	0	0	0	0
Prop Mod:		Cruising Accom. Credit:			Modifications:				
0		6			0				

Remarks:

Base Rating: 72 Adjustments: 6 Final Rating: 78 Crew Limit: 13  
 Disp-Ballast Ratio: .39 DLR: 310.19  
 Upwind SA/D: 22.81 Downwind SA/D: 35.22 SA/D ratio UP/DW: .65

**Endorsed by Russ Horn, US PHRF/SEF Chief Handicapper**

**Inspect this document carefully; you are obligated to immediately report in writing any errors to the US PHRF/SEF Chief Handicapper or your Regional Handicapper. Owner Certification, Waiver, Release and Covenant not to sue:** I agree to race the boat described in this document as specified under regulations and rules of UNITED STATES PERFORMANCE HANDICAP RACING FLEET / SOUTHEAST FLORIDA, INC. (herein and hereafter designated PHRF/SEF) and rules in the latest edition of the *Racing Rules of Sailing* as published by *US Sailing*. Furthermore, I will immediately inform the PHRF/SEF President in writing of any changes to the boat's description and its specifications as they appear in this document. *Moreover, I understand that I may not sail competitively until a new certificate is issued by PHRF/SEF which reflects any change. I also acknowledge that all activities of PHRF/SEF are undertaken by volunteers using their own time and funds for their efforts in consideration and assignment of the handicap and waive, releases, and cancels any and all claims I may have against PHRF/SEF, its officers, directors, trustees, and committee members, measurers, agents, and representatives arising out of the functions and activities of PHRF/SEF and actions of persons fulfilling the offices named above, and I do further covenant and agree not to sue or bring claim of any nature whatsoever against PHRF/SEF and all other persons acting on behalf of PHRF/SEF relating to any performance of PHRF/SEF functions and activities. I further acknowledge that participation in the sport of sailing wind driven boats in competitive events is an inherently dangerous sport in which I have freely chosen to engage.*

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 (Signature of Owner) (Date)

NOTE: Utilization of certificate implies that you agree to the terms and conditions contained on each certificate.