

**BALANCED JOINER DOORS CHECK SHEET  
FOR USS \_\_\_\_\_  
DATE: \_\_\_\_\_**

- REF: (a) PMS (MIPS 6241)  
 (b) NWSC SSES Philadelphia, Pa. RMG 071215Z OCT 93  
 (c) Preliminary NSTM, Maintenance and Repair of Balanced Doors  
 (d) OPNAVINST 5100.19D (Safety Afloat)  
 (e) OPNAVINST 4790.4 (3-M)  
 (f) GSO SECTION 624

Note: When installed at machinery space main accesses and at the top of escape trunks, the doors push open into passageways. When installed in console booths they push into the booth. When installed at the bottom of escape trunks, the doors push open into trunks. Doors should not obstruct continuous rung ladders when opening. Balanced design is defined as a door with an offset pivot at the door panel centerline. A pivot point near the center of the door panel balances forces exerted against the panel, preventing the door from slamming open during an explosion. Frequent inspection and thorough maintenance actions will ensure the proper operation of these doors.

CHECK/INSPECT COMPONET/SUB-COMPONET	IAW	SAT/ UNSAT						
LOCATION/DOOR NR:								
<b>A) BALANCED DOORS:</b>								
1. Are PMS cards and 43P1 updated and available to support PMS on system installed?	Ref: (a),(b)							
2. Inspect doors IAW PMS.	REF (a)							
3. Document the type of door.								
A. Aluminum Steel Products door has a square pin connecting hinge arm to hydraulic check cylinder mechanism. Door gasket is required.	(S-2R)							
(1) Inspect Aluminum Steel Products Door and Components:	(S-2R)							
a. Does the door panel fit flush with the doorframe in both vertical and horizontal planes and at the left and right edges?	(S-2R)							
b. Open door fully and release: Does the panel bind in the frame sides, sill and/or frame head.	(S-2R)							
(2) Inspect door gasket.	(S-2R)							
a. Are the door gaskets cracked or hard?	(S-2R)							
b. Are the door gaskets painted?	(S-2R)							
c. Is the gasket backing strip aligned properly?	(S-2R)							
d. Inspect gasket clearance: (Maximum door gasket clearance is 1/16" between door frame and gasket).	(S-2R)							
B. Steel balanced doors manufactured by Ellison Bronze Co. are identified by NAVSEA DWG #803-5184129 Rev C on door identification label plate located on door PULL side below window. Gasket is required.	(S-1R)							
(1) Inspect operation of Steel Balanced Door, split hinge model:	(S-1R)							
a. Open door fully and release: Does the panel bind in the frame sides, sill and/or frame head.	(S-1R)							
(2) Inspect Roller Guide Channel:	(S-1R)							
a. Inspect head of doorframe adjacent to the roller guide channel for accumulation of hydraulic oil.	(S-1R)							
(3) Inspect door gasket:	(S-1R)							
a. Are the door gaskets cracked or hard?	(S-1R)							
b. Are the door gaskets painted?	(S-1R)							
c. Is the gasket backing strip aligned properly?	(S-1R)							
d. Inspect gasket clearance: (Maximum door gasket clearance is 1/16" between door frame and gasket).	(S-1R)							
C. Steel balanced door manufactured by Puget Sound Naval Shipyard identification label plate #17 STD Sketch-159 is located on frame on PUSH side of door where hinge is located. Gasket is required.	(S-4R)							
(1) Inspect Steel Products Door:	(S-4R)							
a. Inspect hydraulic check-cylinder operator on top of panel, check for accumulation of hydraulic oil.	(S-4R)							
b. Inspect hydraulic assembly mounting screws for tightness, with exception of speed adjusting screws.	(S-4R)							
(2) Inspect operation of Steel Products Door:	(S-4R)							
a. Does the door panel fit flush with the doorframe in both vertical and horizontal planes and at the left and right edges?	(S-4R)							



