

10/8-9/69

1. As before except as noted.
2. Fwd Main Condenser is all closed up.
3. Aft Aux. Circ. Crossover pipe section out.

WHR/CRS etc

Off Duty.
Chief Engr. ABT

10/9-10/69

1. As before except as noted.
2. Fwd Main Air Compressor dismantled for overhaul.
3. Aft Aux Circ piping still out.

WHR/CRS etc

Off Duty
Ch. Engr.

10/14-15/69

1. As before except as noted.
2. Vent #1 boiler drum at approx 25 psi, keep water in sight at all times.
3. Reefer plant will be in operation thru out the night, Ch. Reefer on duty till midnight, TALASNIK 0000-0800.
4. Call Ch. Engr or 1st Asst in case of trouble or doubt.
5. Fwd Plant will go in operation around-the-clock tomorrow.

WHR/CRS etc - VENTED #1 BOILER

Off Duty
Ch. Engr.

dylo

10/15-16/69

1. #1 Plant in operation furnishing steam & DC power to ship.
2. Fresh Water and Sanitary Water & Air from Dock. A/C power also.
3. Sanitary main to topside str failed and under repair. Facilities available on 2nd Dk.
4. DO NOT BLOW TUBES TONIGHT.
5. Keep D.C. Htr temperature low until sanit. piping repair is completed in morning, day watch will level out D.C. Htr.
6. Watches as per watch list; Log names of watchstanders each watch.
7. Reefer Plant in operation until 2000, will ~~be~~ be lit off by 2nd Reefer Blake at 0400.
8. Call Watchstanders for watches & Dayworkers for daywork if they sleep on board. All engine dept personnel (unlicensed) living in quarters on 2nd Deck, port side, approx FRAME 150, doors are marked.
9. Breakfast for Dayworkers 0630 to 0700.
10. Call Ch. Engr or 1st Asst in case of trouble or doubt.

W. Williams
CRS.

O. Bantz
Ch. Engr.

10/16-17/69

1. As before except as noted
2. There is a new 1st A/E aboard, he is Mr. Robt Beck phone # 562-2310 (Oakland).
3. Shore steam will be secured at SHORE PLANT Friday evening to sometime Saturday morning for shoreside repairs.
4. Oiler Brady will continue 0800-1600 Watch until relieved. 1600-2400 Oiler resigned and office is attempting to assign replacement.
5. Reefer plant will run around the clock, Ch. Reefer until midnight, Blake midnight to noon.
6. Call Ch. Engr in case of emergency or doubt.

Old Bank
Ch. Engr.

JAR/w CRSE

10/17-18-19-20/69

1. As before except as noted.
2. All steam systems supplied from ship's plant over weekend due to shoreside repro of their system.
3. Reefer plant in operation until 2000 Saturday. If Reefer Bedford encounters troubles securing plant he is to call Ch. Reefer - phone # in front of Gangway log.
4. Oiler Earl Williams is reported by Office to be en-route for 1600-2400 Watch tonight, he will Vice Wuestewald on Watch list.
5. Call Ch. Engr or 1st Asst. in case of trouble or doubt
6. M.U. Evap to be operated for maintenance of feedwater
7. Do not blow tubes.

Robert R. Beck

JAR/w CRSE

Wk R/E

10/20-21/69

1. As before except as noted.
2. Do not blow tubes unless vitally necessary.
3. SHORE STEAM ON thru Aft Plant, we will attempt to maintain this for gaining the drains during the weekdays, change over to ship's system if necessary for Hotel purposes.
4. Heating steam on Fwd Inboard Sett and #4 Deep Tank, do not exceed approx 100°F . Inboard Sett has mixed F.O. - $\frac{1}{5}$ & Grade 6, if necessary to use Sett before morning try burning at approx 200°F and adjust as necessary.
5. Keep M.U. Evap in operation.

WHEW
CRS/4 EMD

OSBantz
Ch. Eng.

WATER LEAKING FROM OVERHEAT IN DINING SALON (OVER
ICE MAKING MACHINE) - LOCATION: 1-123-1L CRS

10/21-22/69

1. As before except as noted.
2. Leakage from overhead in Dining Salon is coming from slight steam leak in Dental Office above and is under repair by 1A/E.

WHEW
CRS/4 EMD -

OSBantz
Ch. Eng.

10/22-23/69

1. As before except as noted.
2. Both settling tanks contain mixed fuel oil. Keep settling tanks warm - do not exceed 100°F.
3. Stm. heat is secured on #4 Deep tank &.

JH/R/w

CRS r/c EMW

R.L. Beck
1st A/E

10/23-24/69

1. As before except as noted.
2. All personnel are to be informed that the Yard Police Dept has notified the ships that any vehicles parked on the Pier after today will be ticketed, with the exception of 2 cars per ship for which special passes have been issued.

JH/R/w

CRS r/c EMW

Ol Bank
Ch. Eng.

10/24-25-26-27/69

1. As before except as noted.
2. Have FWT change burners and strainers each watch, Log same. Keep check for carbon build up around burners.

JH/R/w

CRS r/c J.H.R. R/E EMW

Ol Bank
Ch. Eng.

10/27-28/69

1. As before except as noted.
2. There are to be no unauthorized changes of watches except in cases of emergency.

JH/R/w

CRS r/c EMW

Ol Bank
Ch. Eng.

10/28-29/69

1. As before except as noted.
2. A new Machinist being signed aboard in the morning, should he show up tonight it would be appreciated if he would be shown his Qtrs on the 2nd Deck, Port side approx FR 150 - The door is labeled MACHINIST.

EMW.

Off Bantz
Ch. Engr.

10/29-30/69

1. As before except as noted.
2. Shore steam secured.

Off H/W CR Set

Off Bantz
Ch. Engr.

10/30-31/69

1. As before except as noted.
2. Reefers are to continue bringing down #4 Freeze box on their watches so that it can be utilized in the near future.
3. Log irregularities with any watchstanders, alert watches are to be maintained.

Off H/W CR Set EMW.

Off Bantz
Ch. Engr.

10/31 - 11/1-2-3/69

1. As before except as noted.
2. F/W T. Wallace to see Ch. Engr Monday morning.

J.H. R/E

J.H. R/E CTS R/E

Ol Bank
Ch-Engr.

11/3-4/69

1. As before except as noted.
2. Have Watch Reefers periodically check Fan Rooms to insure that Vent steam heating coils remain in satisfactory condition, also that ventilation temperatures for living Qtrs (occupied qtrs) are maintained at 70° F minimum.
3. In regards to Log Entries for Oct 30-31, 1969 by R/Engrs about F/W T. Wallace, will each R/E submit a written statement (signed) of the facts leading up to the Log entry. F/W T. Wallace and Oiler Raigoza are to submit signed statements regarding any knowledge, ~~or~~ denial or information they have regarding the statements in the Log. Please submit these statements to the Ch. Engr's Office by Tuesday morning, 4 Nov.

J.H. R/E CTS R/E E.M.W.

Ol Bank
Ch-Engr.

11/4-5/69

1. As before except as noted.
2. As noted yesterday, F/W T & Oiler's statements have not been received by the Ch. Engr. Have these submitted by 0800 in the morning.

JH/w CRS r/s
EMW

OLBantz
Ch. Engr.

E. J. M. R.

R. R. J.

11/5-6/69

1. As before except as noted.
2. #2 Boiler on line, vent #1 blr drum at approx 50 psi. Keep water level in sight at all times.
3. Have all Watchstanders read and initial Night Order Book for each entry.
- 4.

JH/w CRS r/s
EMW

OLBantz
Ch. Engr.

E. J. M.

R. R. J.

11/6-7/69

1. As before except as noted.
2. Aux Circ line in Aft Plant open at flange.

JH/w Duraw EMW
CRS r/s

OLBantz
Ch. Engr.

Lebr

Reper Sybra

11/7/8/9/69

1. As before.

2. Aux Circ line flange is still open in Aft E.R.

3. Call Chief Engr. in case of emergency.

JHR/CRS

G.S.P.R/K

Ol Bantz
Ch. Engr. LST

RRJ EMD.
J. 31

11/10/11/69

1. As before

2. Aux Circ line flange is still open in Aft E.R.

3. Keep a close watch on fuel oil burners & stainers because the fuel oil is very bad.

4. Call Chief Engr. in case of emergency.

JHR/CRS EMD.
G.S.P.R/K

Ol Bantz
Ch Engr. LST

11/12-13/69

1. As before except as noted.

2. Aux circ piping is buttoned up and tested.

JHR/CRS EMD.

Ol Bantz
Ch. Engr.

RRJ
LST

11/13-14/69

1. As before except as noted.
2. There will be a Master's Inspection of Qtrs tomorrow morning — those personnel using facilities on board will insure that their Qtrs are neat, clean and presentable.

JH 3/6

JH 3/6

OSBantz
Ch. Engr.

CRS 4/2

EMO.

11/14-15-16-17/69

1. As before except as noted.
2. Ch. Reefer will indoctrinate new Asst Reefer on 1200-2000 Watch Saturday.
3. An empty alcohol bottle was found in the Oilers stateroom during Master's Inspection this morning, all hands are to be advised that SEVERE disciplinary action will be taken against anyone bringing alcoholic beverages aboard.
4. Mr Stine is scheduled to relieve R/E Monday morning due to Mr Thompson being on leave.
5. Call Ch. Engr or 1st Asst in case of trouble or doubt.

JH 3/6

JH 3/6

JH 3/6

OSBantz
Ch. Engr.

CRS 4/2

EMO.

11/17-18/69

1. As before except as noted.
2. Log time FWT reports for duty if he shows up.

JH 11/17/69
CRS 2/5

Ol Bank
Ch Engr

11/18-19/69

1. As ^{before} except as noted.
2. Shore steam is on to Aft heating & Main Galley.
3. Hotel Elect load is on Dock generator, ship's plant furnishing only Fwd Eng. Room equipment.
4. Keep close watch on carbon build-up around lit burners, if necessary clean burners every 4 hour watch.
5. Utilityman Libios will stand FWT Watch 1600-2400 Wednesday & Thursday Vice Wallace. Wallace is to report for Daywork.
6. Call 1st Asst or Ch. Engr in case of trouble or doubt.
7. New Watch List from 19 Nov 1969 Posted except for #5 as above.

Ol Bank, Ch. Engr.

JH 11/18/69
CRS 2/5

11/19-20/69

1. As before except as noted.
2. M. U. Evap in operation in Fwd Plant.

JH 11/19/69
CRS 2/5

Ol Bank
Ch. Engr.

11/20-21/69

1. As before except as noted.
2. NOTE for watchstanders in regard to premium pay for weekday nite watches:
A denial of a claim from this ship has been handed down from the Command, a copy of which is posted on the bulletin board at the gangway for information.
Please do not submit further O/T slips to Yeoman's Office.
3. There will be a Sanitation Inspection of Qtrs by the Master in the morning.
4. For all watchstanders — an attempt will be made to secure our plant next week and take all facilities from Dock — Watches will be maintained under any conditions until at least Next Wednesday. If possible, all watches will be secured and all hands assigned to Daywork on Thanksgiving Day.

OLBantz
Ch. Eng.

Officer
CRS etc L.R.H.
L.O.P.

11/21-22-23-24/69

1. As before except as noted.
2. F/W T Van Buskirk will stand 0000-0800 Watches (Vice Wallace) as of Sunday.
3. Call 1st A/E or Ch. Engr. in case of trouble or doubt.

JH 1/2 CRS 1/2 JNR 1/2
 JH 1/2 CRS 1/2 JNR 1/2
 JH 1/2 CRS 1/2 JNR 1/2

Os Bantz
 Ch. Engr.

11/24-25/69

1. Plant secured, all facilities from Dock.
2. Vent boiler drum at approx 25 psi, keep water in sight at all times.
3. Shore steam drains to Fwd Main Condenser, keep pumped out & D.C. Htr drained to Feed tanks until full.
4. F/W T & Oiler watches to continue until at least Wednesday in case of necessary Plant tie-off.
5. Call Ch. Engr. or 1st Asst in case of trouble or doubt.

JH 1/2 CRS 1/2 JNR 1/2

Os Bantz
 Ch. Engr.

11/25-26/69

1. As before except as noted.
2. All Watches, except keepers, will be secured as of Midnight Wednesday, Nov 26, 1969, all hands will be on Paywork Friday, except those who have their regular day off Friday. No F/W T or Oilers work Sat or Sun - Paywork will be Monday thru Fri.

NOTE

JH 1/2 CRS 1/2 JNR 1/2 FWT VAN BUSKIRK FAILED TO REPORT OR CALL-IN FOR DUTY

11/26-27-28/69

1. As before except as noted.
2. Cold iron watch, all Flt & Oilers watches secured at Midnight Wednesday. Reefer Watches as usual.
3. Maintain an alert watch at all times, keep bilges at safe level.
4. Call Ch Engr or 1st Asst in case of trouble or doubt.

WED. ORS/RE

OLBantz
Ch Engr.

11/26 - DRAINS FROM FUEL OIL HEATERS TO BILGE, SALINITY 4.14 g.p.g. CUMULATIVE & HEATING DRAINS O.K. GOING TO MAIN COND. J.F. H. H.

THUR. 1200. TESTED DRAINS F.O. HEATING O.K. BACK IN SYSTEM. .8 g.p.g.

11/28-29-30-12/1/69

1. As before except as noted.

OLBantz
Ch Engr.

12/1-2/69

1. As before except as noted.
2. #1 L.P. Evap pumps dismantled for overhaul.

OLBantz
Ch Engr.

TO M: RELIEVED AT 2310 WITH 1312
IN AT 1500 - HANLEY

12/2-3/69

1. As before except as noted

JHR/w

OlBantz
Ch. Engr.

12/3-4/69

1. As before except as noted.

JHR/w

OlBantz
Ch. Engr.

1600: EYE-HI & AIR GAUGE on O.C.
HEATER OUT OF ORDER JHR/w

12/4-5/69

1. As before except as noted.

JHR/w

OlBantz

12/5-6-7-8/69

1. As before except as noted.

2. I want a written statement from the 0000-0800
R/E last night as to why it was not reported
to his relief that the Reef Watch was not
manned this morning prior to his being relieved.

JHR/w

J.S.L. R/E

OlBantz
Ch. Engr.

1600 PLEASE POST WATCH LIST FOR REEFER.

BLAKE IF HE IS ON WATCH LEFT TONITE

AT 1700 OR THERE ABOUT. REEFER DOES NOT

CHECK WITH WATCH ENG. (DRIGGERS EXCEPTED) JHR/w

HAVE THEM SIGN IN & OUT LOG BOOK JHR/w

12/8-9/69

1. As before except as noted
 2. Reefer Watch List posted at Gangway E in Reefer Flat.
 3. R/E are to sign Reefer Logs each watch.
- OLBantz
Ch. Engr.

12/9-10/69

1. As before except as noted.
2. #1 P/S Dist Tanks filling valves closed, drains continuing to #2 P/S.

gale/w

OLBantz
Ch. Engr.

12/11-12/69

1. As before except as noted.
 2. Drains are going over side in Fwd Eng Room.
- OLBantz
Ch. Engr.

12/12-13-14-15/69.

1. As before except as noted
2. ~~Reefer~~ Evap Flat still disassembled.
3. Call Ch. Engr or 1st Asst in case of trouble or doubt.

J.R. P/E

OLBantz
Ch. Engr.

12/15-16/69

1. As before except as noted.
2. #3 boiler pressed up & secured, vent drum if pressure drops to approx 50 psi., Keep water in sight at all times.
3. Aft Plant will be lit off tomorrow & Wed. for yard maintenance of dock generator.
4. Watch list for Tue-Wed attached.

J. L. L. R/E

Off Bantz
Ch. Eng.

12/16/69

1. As before except as noted.
2. Maintain close watch on all operating mach'y.
3. Pump Engine room bilges as necessary.
4. Steam from ashore being used for heating - drains going w/bd.
5. Call Chief Eng'r or 1st A/E if in trouble or doubt.

J. B. B. W.

R. L. Reck 1st A/E

12/17-18/69

1. As before except as noted.
2. All facilities from Dock.
3. Vent #3 Boiler at approx 30psi, keep water in sight at all times.
4. Keep all bilges at safe level.

O. L. Bantz
Ch. Engr.

John L. Bondick R/E,

12/18-19/69

1. As before.
2. All facilities from dock - Heating drains going overboard.
3. Keep all bilges at safe level.

J. L. B. R/E.

R. L. Dick 1st A/E

12/19-20-21-22/69

1. As before except as noted.
2. Call Ch. Engr or 1st Asst. in case of trouble or doubt.
3. Insure that Reefer Plant operation is as per posted schedule.

J. L. B. R/E.
J. L. L. R/E

PO R/E

O. L. Bantz
Ch. Engr.

12/22-23/69

1. As before except as noted.
2. Keep bilges at safe level.

J. L. B. R/E

O. L. Bantz
Ch. Engr.

12/23-24/69

1. As before except as noted.
2. Fuel Eng Room equipment is being covered for washdown of Fiddley, please do not disturb unless necessary.

OK Bantz

12/24-25-26-27-28/69

1. As before except as noted.
2. Aft Eng Room equipment ~~not~~ being readied for washdown also.
3. Friday has been declared a Holiday so there will be no Daywork.

MERRY XMAS.

OK Bantz

Ch. Engr.

12/26 Pipe. REPAIRED BUSSED BEAM 4100 TO PUBLIC WORKS @ 2100. - STEAM SECURED @ 2130 AND AT 2110. - JH/BW

12/28-29/69

1. As before except as noted.
2. #2 Fire Pump in Aft Plant supplying sanit. press.

OK Bantz

Ch. Engr.

12/30-31/69

1. As before except as noted.
2. Sanitary pressure from Dock, aft Fire Pump secured.

OK Bantz

TELEPHONE

FIRE "Fire Only" 3333

Business 2837

SAN FRANCISCO BAY NAVAL SHIPYARD
SAN FRANCISCO, CALIFORNIA, 94135

HUNTERS POINT FIRE BRANCH FIRE PROTECTION INFORMATION

SHIPS AND SERVICE CRAFT WHILE BERTHED OR DOCKED AT HUNTERS POINT

This Prevention and Protection Bill applies to all classes of ships, vessels, boats, and service craft, both in and out of commission and in and out of service, while berthed or docked at San Francisco Bay Naval Shipyard.

1. Responsibilities. (NAVSHIPYDSFRANBAYINST 11320.2)

a. Ships In-Commission and Service Craft In-Service. The responsibility for Fire Prevention and Protection, and for furnishing Fire Watches (including Fire Watches for burning and welding operations by shipyard personnel) on a ship or service craft under this classification, rests fully with the Commanding Officer of the ship or the Command of the service craft.

b. Ships Out-of-Commission and Service Craft Out-of-Service Undergoing Work by the Shipyard. The responsibility for Fire Prevention and Protection, and for furnishing Fire Watches on a ship or service craft under this classification, rests with the Shipyard Commander. The responsibility for Fire Protection (including Fire Fighting) is assigned to the Administrative Officer, and for Fire Prevention (including furnishing Fire Watches) to the Production Officer.

c. Service Craft, Boats and Other Craft Under Custody of the Shipyard. The responsibility for Fire Protection (including Fire Inspection and Fire Fighting) is assigned to the Shipyard Administrative Officer. The responsibility for Fire Prevention (including Fire Watches when appropriate) is assigned to the Shipyard Department Head and commands of tenant activities located in the Shipyard to whom the subject craft and boats are assigned for custody.

d. Nuclear Reactor Plants. The Nuclear Power Superintendent will provide instructors, equipment and assistance to the Fire Protection Branch personnel to insure compliance with safety precautions for Fire Fighting in reactor plant areas of nuclear ships.

e. Fire Prevention Inspection. The Safety Division and Fire Protection Branch will inspect for, make recommendations concerning, and report to the responsible command, department or activity those items which need correction in the areas of Safety and Fire Prevention.

HUNTER POINT PHONE & INSTRUCTION

2. Ships In-Commission and Service Craft In-Service Undergoing Repair Work by the Shipyard. Immediately upon ships arrival, the Shipyard Fire Chief (or representative) and the Ship Superintendent assigned to the ship work project, will outline to the ship's Commanding Officer or command of the service craft, or their representatives, the Shipyard services available and the Shipyard Fire Prevention and Fire Protection Regulations.

3. Ships Present. Commands of ships present have responsibility for the ships under their command. In case of fire on board an active ship, the officers and crew thereof will take appropriate initial action to investigate and contain or extinguish the fire. Regardless of size, location, or probable consequence, all fires shall be reported immediately to the Shipyard Fire Department. Upon receiving alarm from an active ship, the Shipyard Fire Department will be dispatched immediately to render such aid as the ship's Command may require. The Officer-of-the-Deck, (or other person responsible) will station a man at quarter deck gangway to inform Fire Department of ship's needs.

After the all secure from fire has been sounded, a Fire Branch Inspector or Fire Branch representative will inspect area of fire for possible loss or damage to Shipyard property and to assure that safety regulations have been followed.

4. Duties and Responsibilities. (SFBNSINST 11320.1)

a. The Fire Chief is under direct military command and non technical direction of the Security Officer and will be responsible for the efficiency and functioning of the Fire Protection Branch. The Fire Chief (or representative) will explain and discuss the following:

(1) Methods for reporting fires or emergencies to the Fire Department, availability of Fire Department personnel and apparatus, and upon request, will advise on fire fighting methods.

(2) Availability of San Francisco Fire Department for assistance on Mutual Aid if required, including personnel, apparatus, and Fire Boat on 1st alarm.

(3) Periodic inspections by Fire Protection Inspectors accompanied by the Ship's Safety Officer (or representative), covering fire and related safety hazards.

(4) Assistance from ship while in Shipyard in case of emergencies, (number of ships force personnel available for Fire and Rescue Parties that could be made available to the Shipyard Fire Branch when such emergencies arise).

(5) Notify Fire Branch Ext. 2-837 before and after securing from fire drills, testing sirens, whistles, etc.

(6) Notify Fire Branch Ext. 2-837 prior to any fueling operations, in order that an inspection be made on fuel line connections, also JP-5 tests.

(7) Fire Branch is required to make inspections prior to any loading or off-loading of ammunition or hazardous material. Shipyard safety regulations on this subject will be discussed with Officer-in-Charge.

(8) Notify Fire Branch Ext. 2-837 for information on proper procedure and location for disposal of expended or damaged O. B. A. canisters. At no time should they be thrown overboard or into trash disposal containers while in the Shipyard.

(9) All Shipyard safety precautions shall be followed by ship's forces in the application of potentially hazardous protective coatings and adhesives, as outlined in HPDIVINST 5100.17C.

b. Shop 99 will provide various utility and fire line connections as outlined in PRODEPT. H. P. INST. 4862.4A.

c. Ships in Commission. (SFBNSINST 11320.1)

(1) When welding or cutting on ships in commission, the supervisor will inform the Officer-of-the-Deck that welding and cutting is to be done aboard that ship and request that Fire Watches with CO2, dry chemical, or water pump can extinguishers be assigned from the ship's personnel.

(2) The number of Fire Watchers required is determined by the number of operations involving welding, burning or other hot work to be performed. The number of Fire Watchers required for the next twenty-four hours is submitted to the Executive Officer of the vessel by the Ship Superintendent before 1430 each day. As each welder or burner goes aboard ship, the Officer-of-the-Deck assigns him Fire Watches. The Fire Watches remain on station for at least fifteen minutes after welding, burning or other hot work operations have been completed, and then report back to the Officer-of-the-Deck.

(3) When night shift work occurs, supervisors will pass on information relating to number of Fire Watches required and locations considered hazardous. No work will be started until Fire Watches are properly posted.

(4) Fire Watches, equipped with charged fire extinguishers, will be stationed at the scene of operations before any work is started by welders or burners. Welders and burners are responsible for the proper placement of Fire Watches and further, providing them with an identification card bearing safety instructions. This card may be secured around the neck, identifying the Fire Watcher. The card is returned to the Shipyard Mechanic when the Fire Watch is no longer required.

(5) The Ship Superintendent will inform the ship's Officers of Shipyard policy requiring that welding or burning operations performed upon fuel tanks, closed compartments, voids, bilges, etc., be inspected and tested by the Shipyard Gas Free Engineer (qualified gas tester) prior to performance of any hot work.

(6) Upon receipt of a Job Order from Industrial Control Department for large jobs such as emptying a tank containing flammable liquid, or from the cognizant Ship Superintendent for small jobs such as removing a few drums containing flammable liquid, Shop 72 will remove and dispose of, or temporarily stow, flammable materials. This will be accomplished prior to any burning or welding operations in shipboard compartments or spaces by Shipyard personnel. COMTWELVE 8023.2D and supplementing Shipyard directives as well as U. S. Naval Shipyard Regulations, Article 1519, direct that all ships assigned availability at the Shipyard will off-load ammunition, JP-5 and gasoline prior to entry into Shipyard. Exception: Only when work to be accomplished during Restricted Availability is such that an exception can be authorized by the Shipyard Commander.

(7) Loan of Shipyard tools and equipment to ships shall be accomplished in accordance with HPPRODEPTINST 7321.4A.

(8) Issues of Fire Fighting gear (including CO2 cylinders and gas) for ships permanent use may be requisitioned through the supply system.

(9) Replacement of empty CO2 extinguishers outside of regular working hours (Saturday, Sunday, holidays, and following regular day shift hours) will be made only if immediate Fire Prevention requirements make such issue advisable. Shop 99 security employees will make such issue. (Contact Shop 99 on Ext. 2092).

d. Ships Out of Commission.

(1) For ships out-of commission, the Fire Watchers will be furnished by Shop 99.

(2) The cognizant Ship Superintendent will be responsible for authorizing all hot work on out-of-commission ships undergoing repair or conversion. Authorization for such hot work will be granted only after the material has been removed from the compartment. When such material cannot be removed, a Fire Watch is required. After hot work has been completed the Fire Watch must remain on station for a period of not less than 15 minutes.

(3) Ship Maintenance Mechanics, (Shop 99), will assure that an adequate supply of Fire Fighting equipment such as hose lines, nozzles and CO2 fire extinguishers, dry chemicals, and water pump cans are placed aboard ships for Fire Fighting purposes.

(4) Shop 99 will provide an adequate supply of CO2 fire extinguishers to dockside area as determined by the extent of the burning and welding operations to be performed.

e. New Construction. During the early stages in new construction, CO2 Fire Extinguishers will be placed at well marked stations as directed by the Ship Superintendent. As the work progresses, additional extinguishers will be provided in convenient location throughout ship. Ship Superintendent will arrange for the detail of Fire Watches when requested by the Welding Supervisors.

f. Shipboard Tanks. When fuel oil tanks require welding, burning or other hot work operations, Ship Superintendent and Ship Supervisor concerned will check to see that the provisions of the Fire Prevention and Fire Protection Manual have been followed. The Shop Supervisor is responsible for verifying that prescribed precautionary measures have been satisfactorily completed before the welding is begun. If time, access or exigencies of services do not allow for the draining, cleaning and ventilating of tanks, permission for welding or burning on the boundaries or immediately adjacent structures of all fuel tanks must be obtained from the Gas Free Engineer, and then only if the oil is properly blanketed with CO2 in accordance with the methods prescribed in the Fire Prevention and Fire Protection Manual.