

CLEAN & REPAIR
TANKS 1,15,6 & 16

CONTRACT NO.:
N62742-03-C-1402

CLOSE OUT
REPORT FOR
TANK 1
Specification Section 01770N

Submitted by:
Dunkin & Bush, Inc.
604 Kaimalino Street
Kailua, HI 96734

I hereby certify that the <u>Documents for Tank Closure</u> shown and marked in this submittal is that proposed to be incorporated with Contract Number N62742-03-C-1402, is in compliance with the contract drawings and specification, can be installed in the allocated spaces, and is submitted for Government approval.	
Certified by Submitter/Reviewer (b) (6)	Date 1/23/07
Certified by QC Manager (b) (6)	Date 1/23/07

ORIGINAL

CLEAN & REPAIR TANKS 1,15,6 & 16
N62742-03-C-1402
DOCUMENTATION APPLIES TO TANK 1

TANK 1 CLOSE OUT

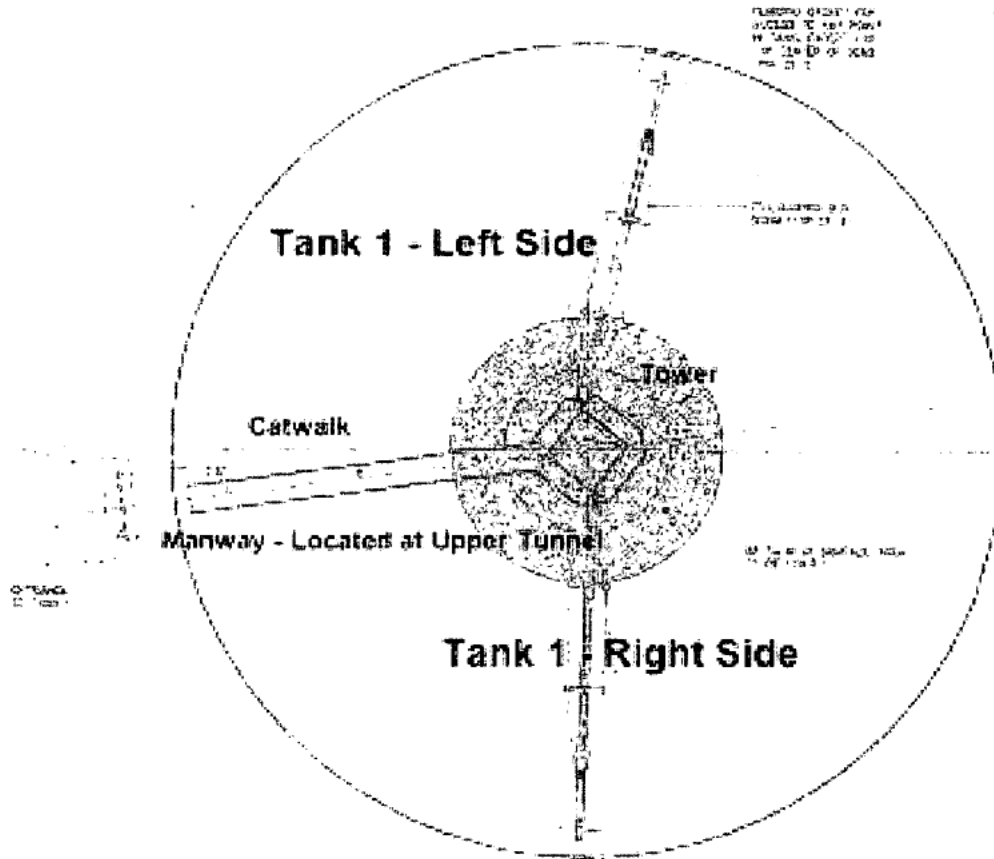
January 23, 2007

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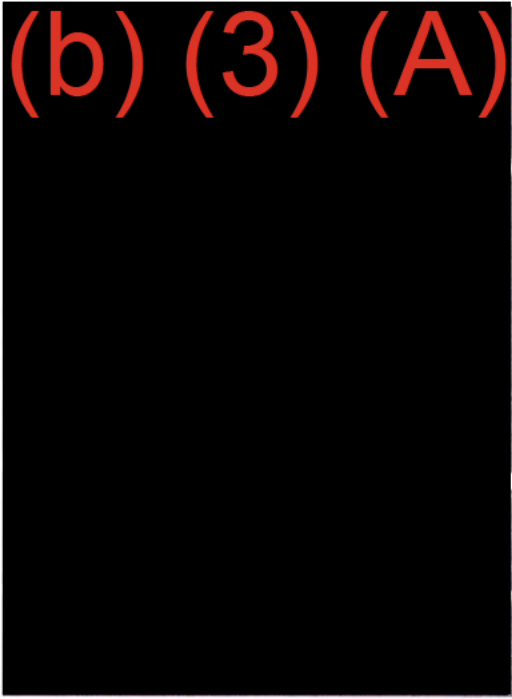
REFERENCE DRAWING



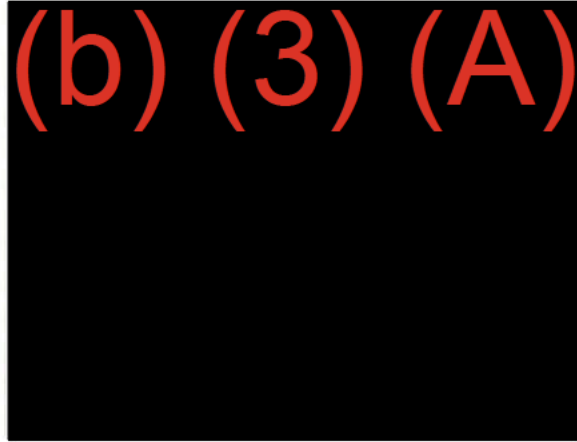
PLAN - TANK 1

CLEAN & REPAIR TANKS 1,15,6 & 16
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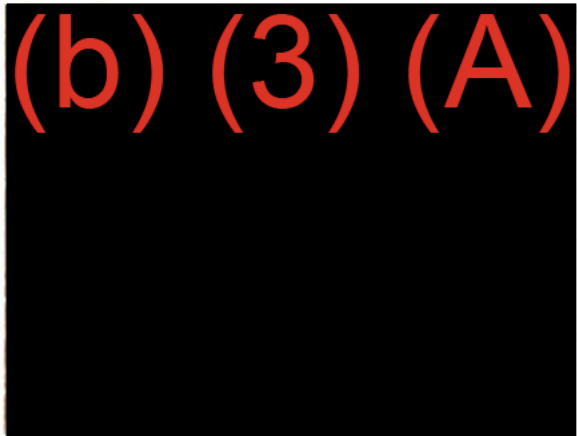
SECTION 1 – CONDITION OF MANWAY



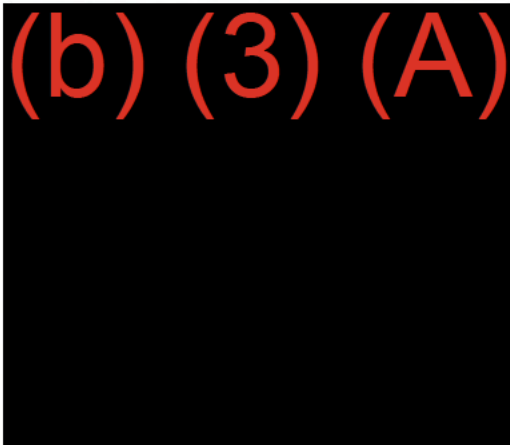
Loose paint at top of manway



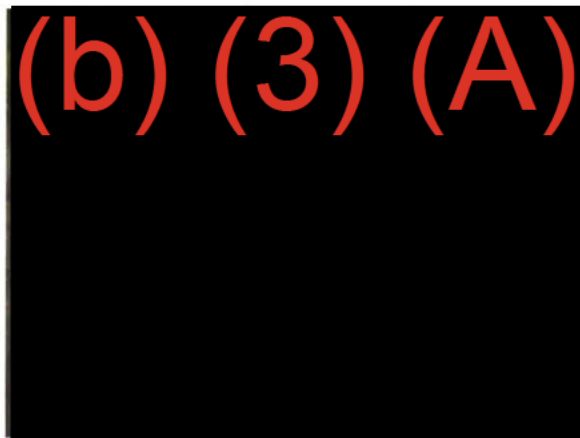
Manway right side



Manway left side



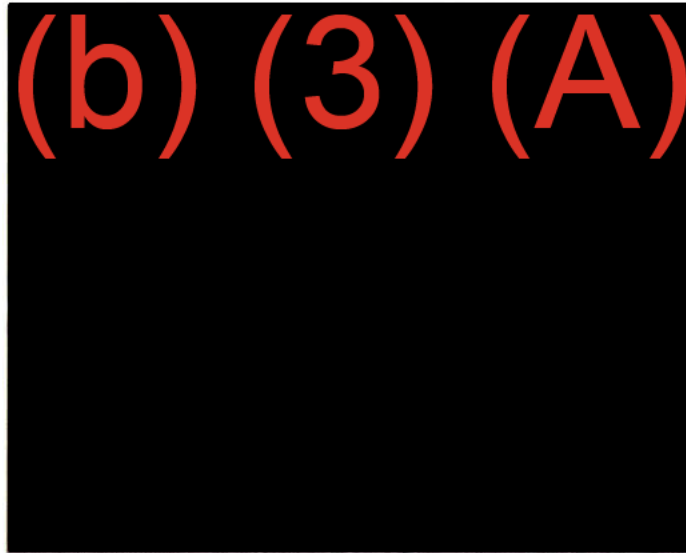
Bottom of Manway



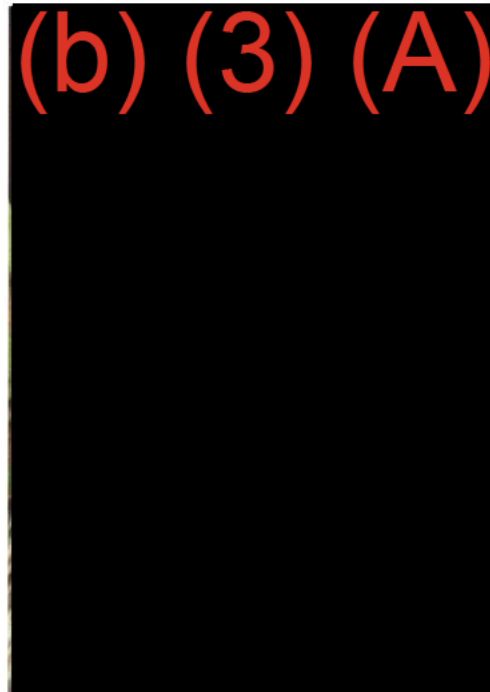
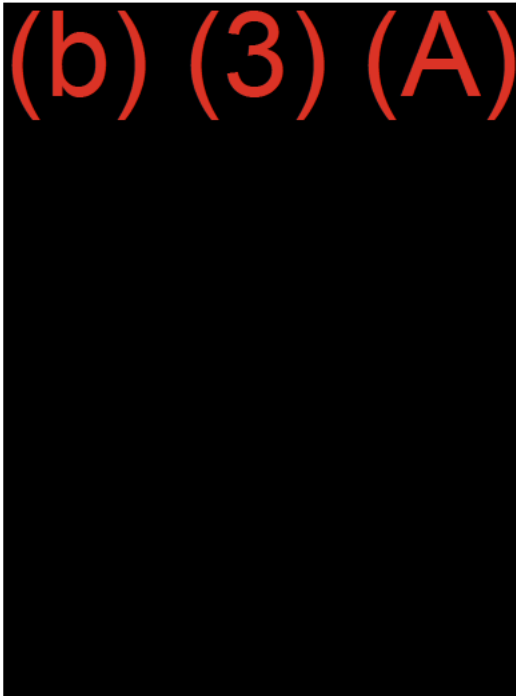
Manway cover – Inside surface

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MANWAY AFTER CLEANING



Top of Manway

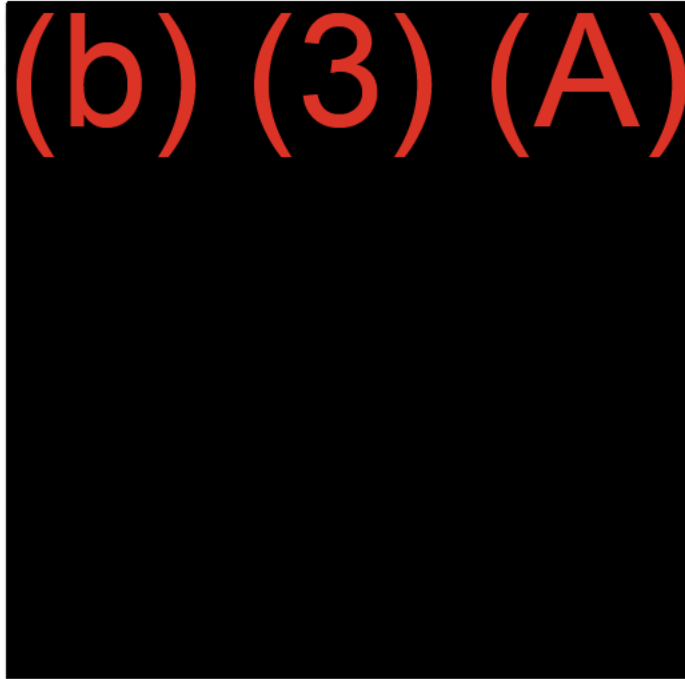


Left and right side of Manway

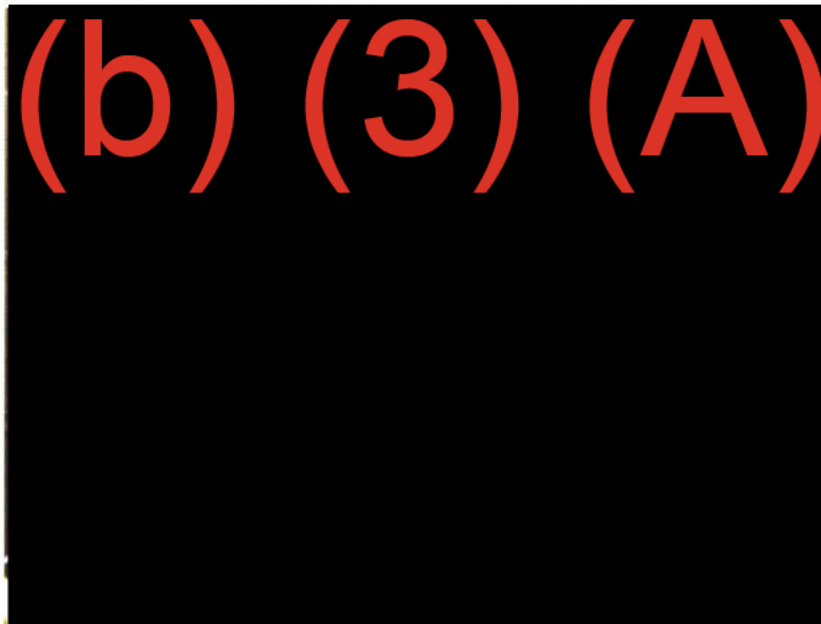
CLEAN & REPAIR TANKS 1,15,6 & 16
N62742-03-C-1402
DOCUMENTATION APPLIES TO TANK 1

SECTION 2 – CONDITION OF INSIDE OF TANK

VIEW FROM MANWAY INTO THE TANK PRIOR TO CLEANING

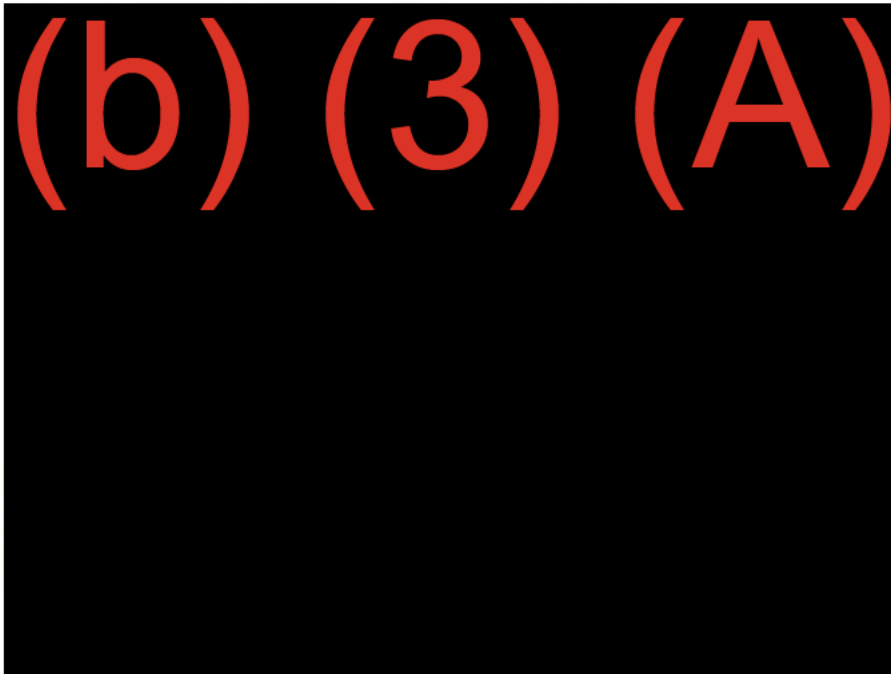


VIEW FROM MANWAY INTO TANK AFTER CLEANING COMPLETED
SUSPENDED SCAFFOLDING SYSTEM STILL IN PLACE

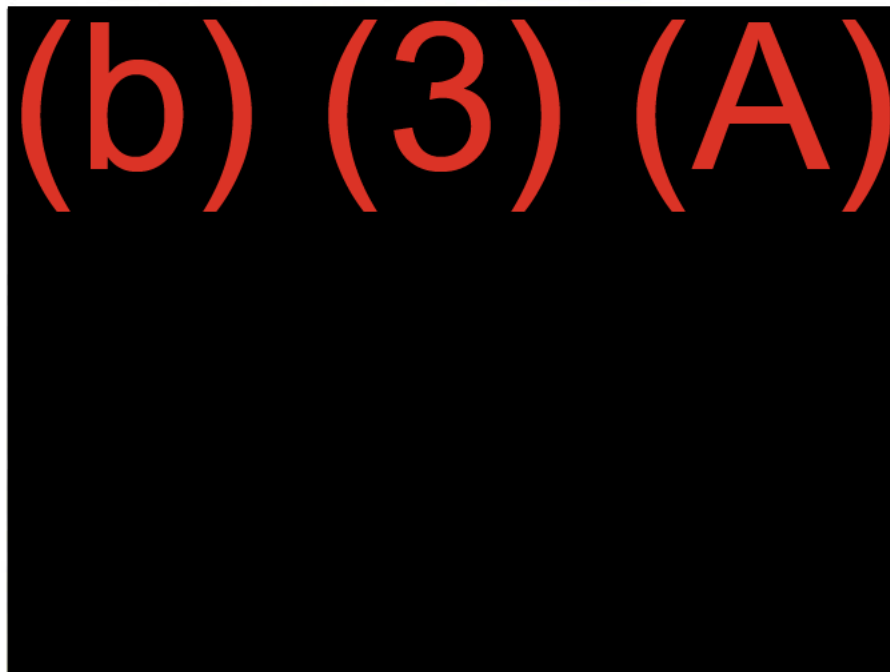


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AT THE SPRING LINE RIGHT SIDE OF TANK 1 PRIOR TO CLEANING

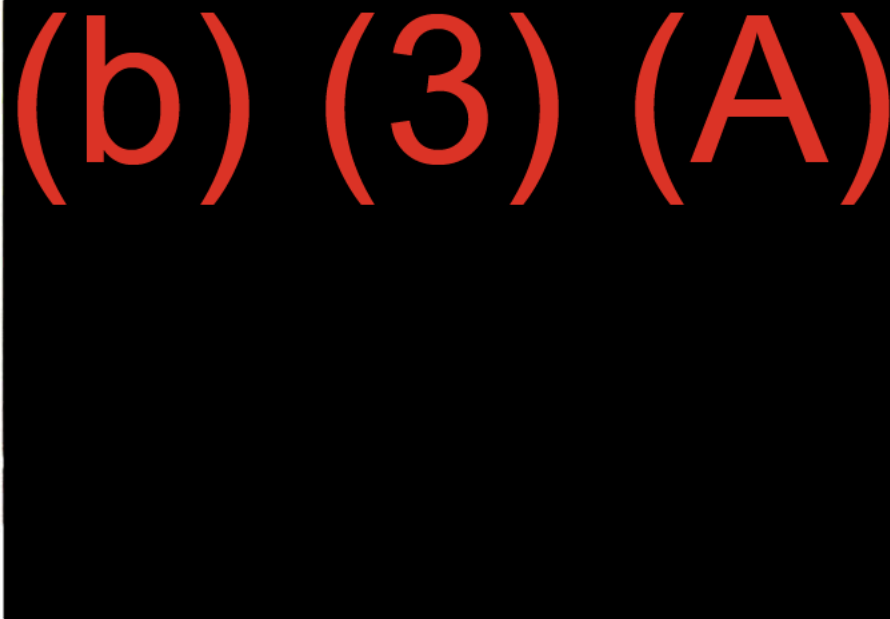


AT THE SPRING LINE RIGHT SIDE OF TANK 1 AFTER CLEANING



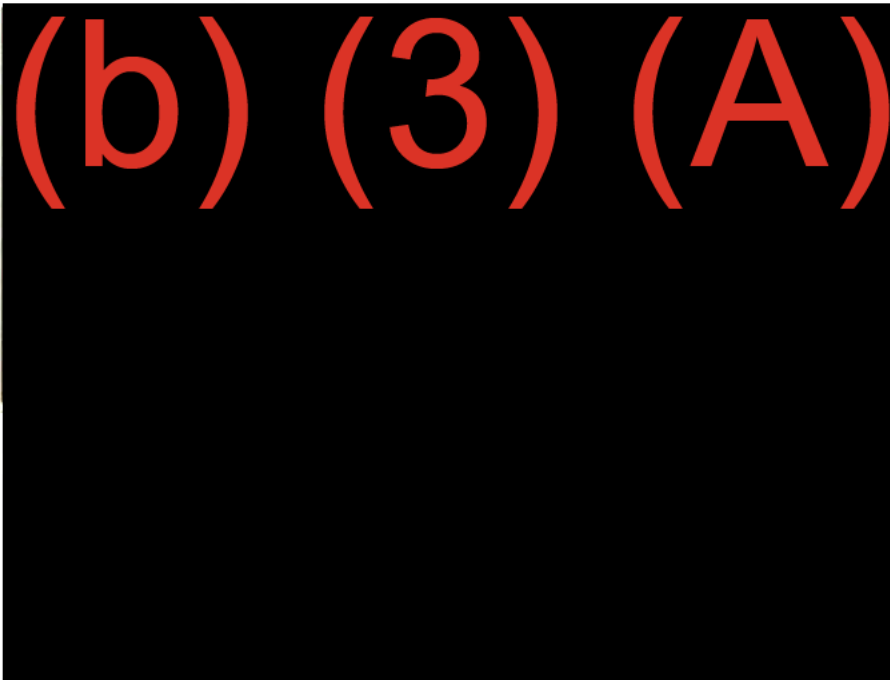
CLEAN & REPAIR TANKS 1,15,6 & 16
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FROM CATWALK RIGHT SIDE OF TANK TO BOTTOM PRIOR TO CLEANING



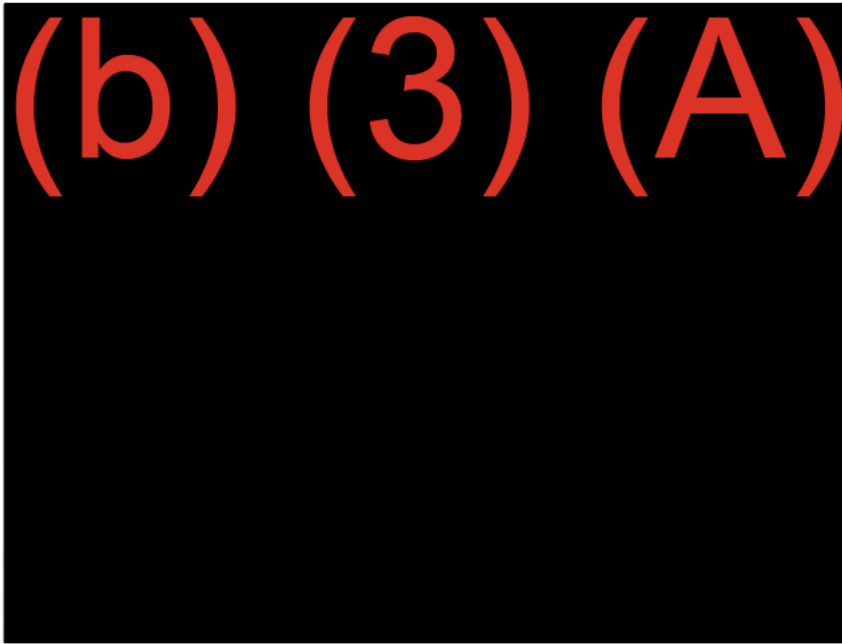
Tank 1 right side from catwalk to bottom

FROM CATWALK RIGHT SIDE OF TANK TO BOTTOM AFTER CLEANING

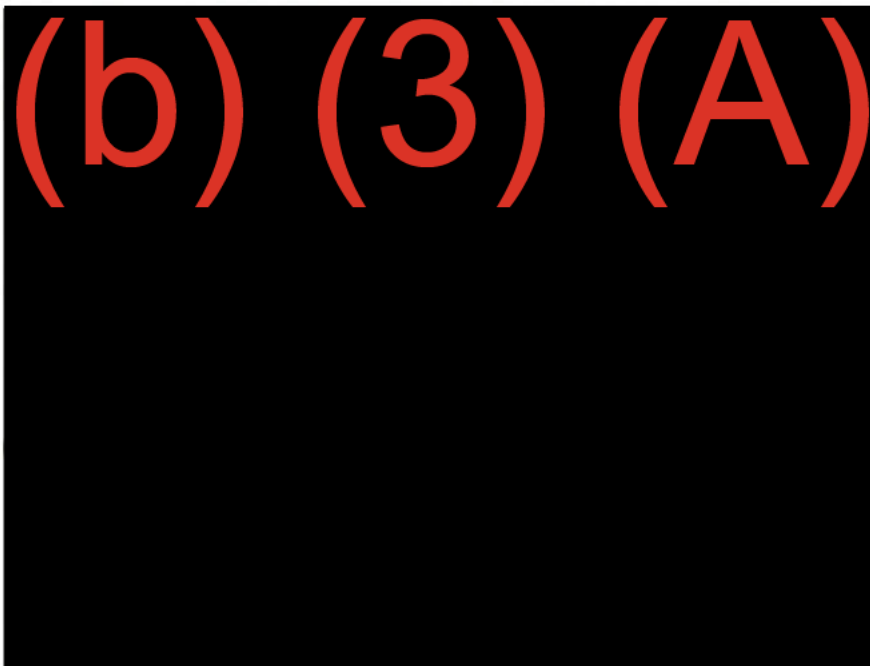


CLEAN & REPAIR TANKS 1,15,6 & 16
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AT THE SPRING LINE LEFT SIDE OF TANK 1 PRIOR TO CLEANING

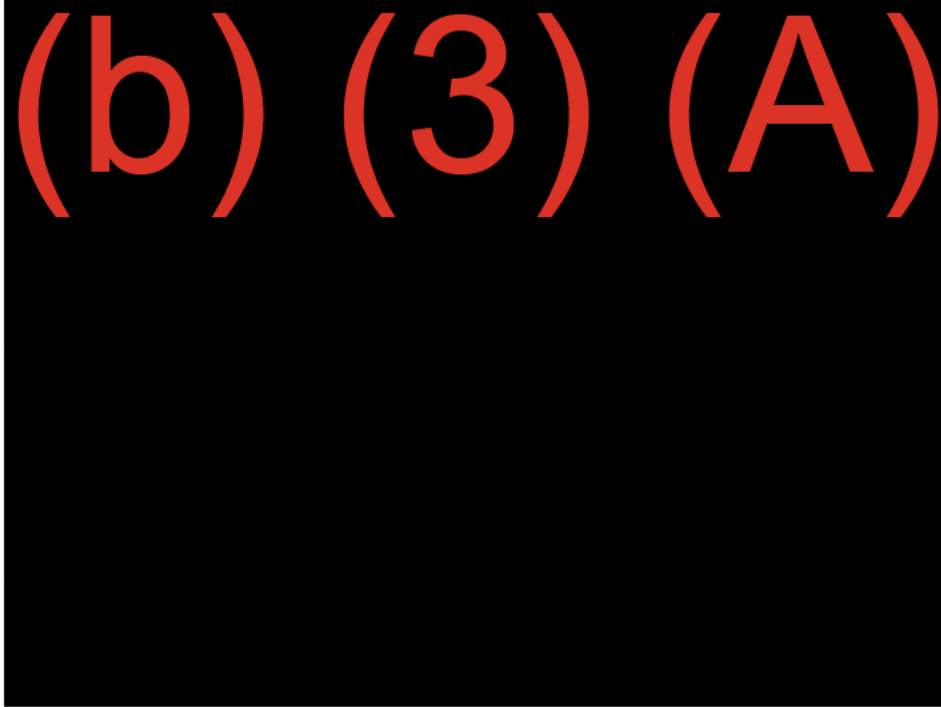


AT THE SPRING LINE LEFT SIDE OF TANK 1 AFTER TO CLEANING

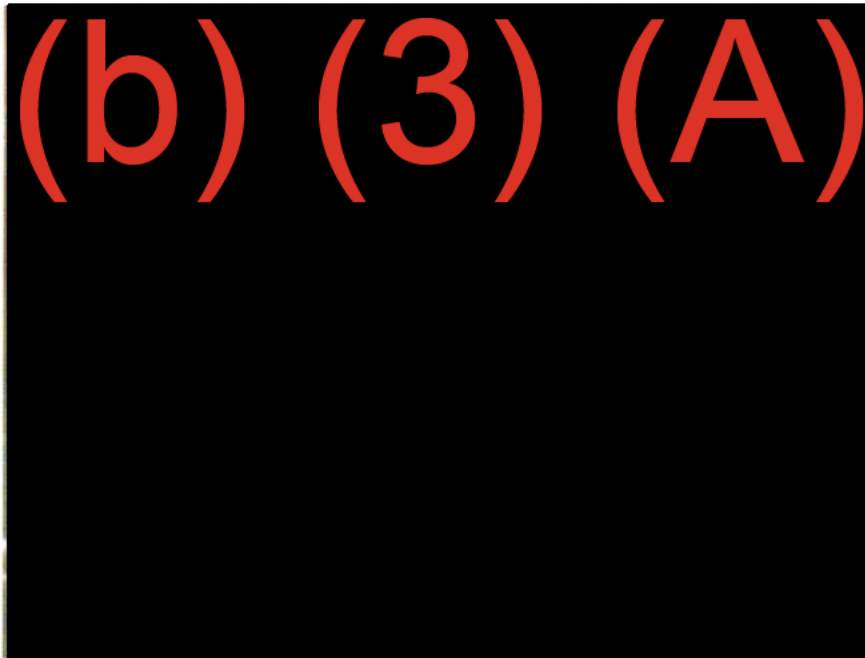


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FROM CATWALK LEFT SIDE OF TANK TO BOTTOM PRIOR TO CLEANING



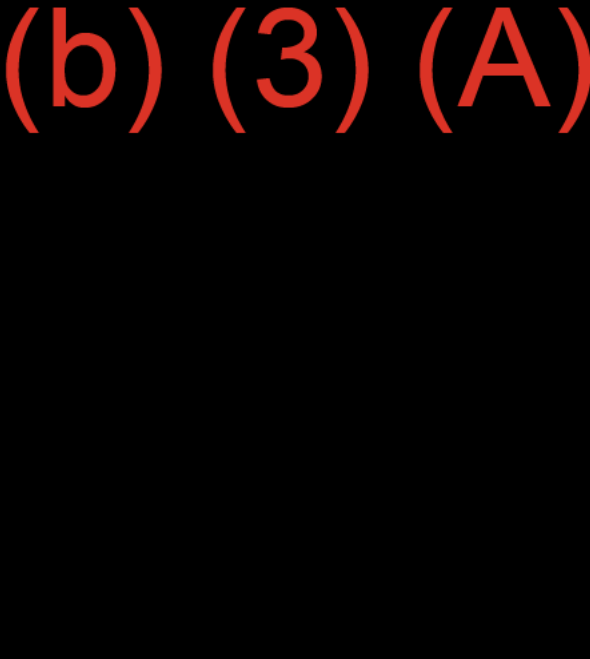
FROM CATWALK LEFT SIDE OF TANK TO BOTTOM AFTER TO CLEANING



CLEAN & REPAIR TANKS 1,15,6 & 16
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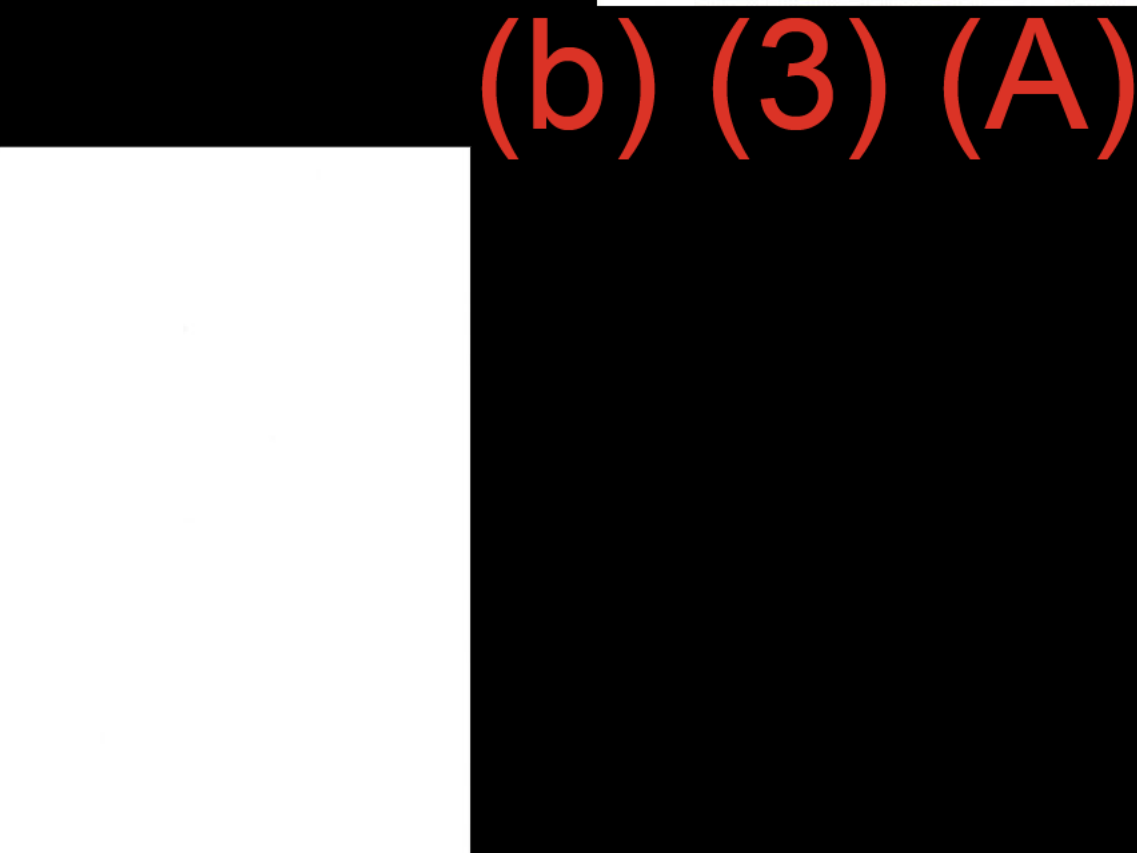
UPPER DOME OVER MANWAY PRIOR
TO CLEANING

(b) (3) (A)



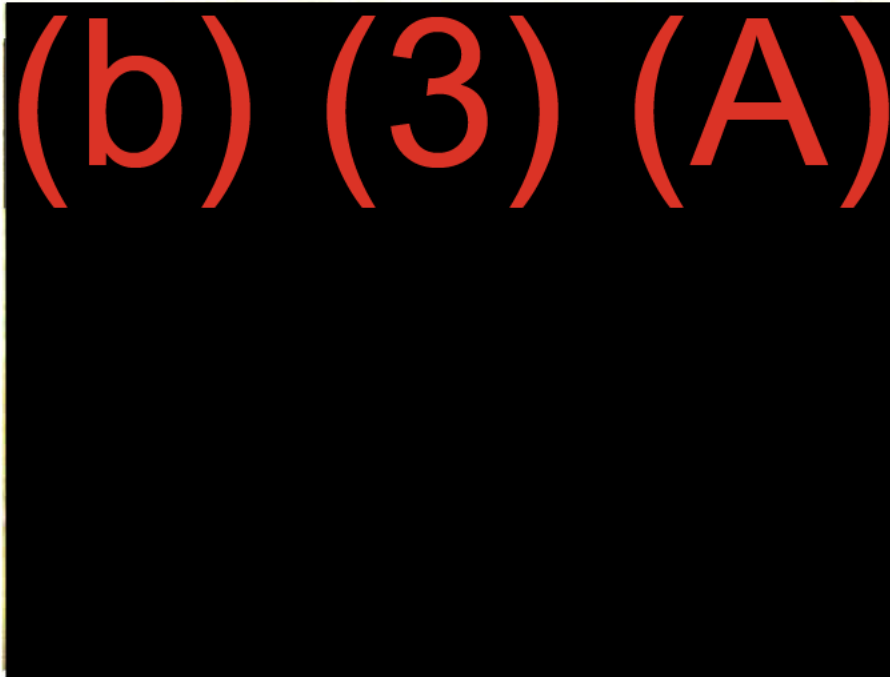
UPPER DOME OVER MANWAY
AFTER CLEANING

(b) (3) (A)

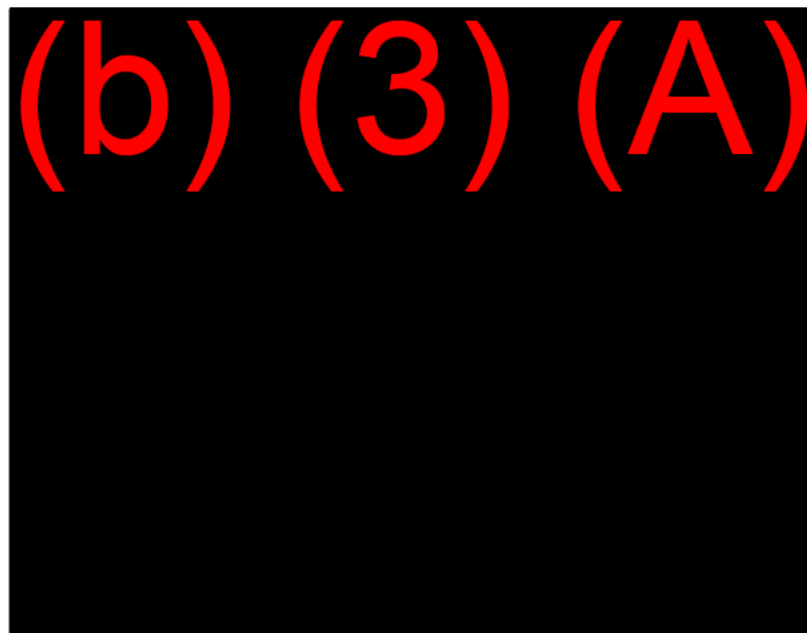


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UPPER DOME PRIOR TO CLEANING

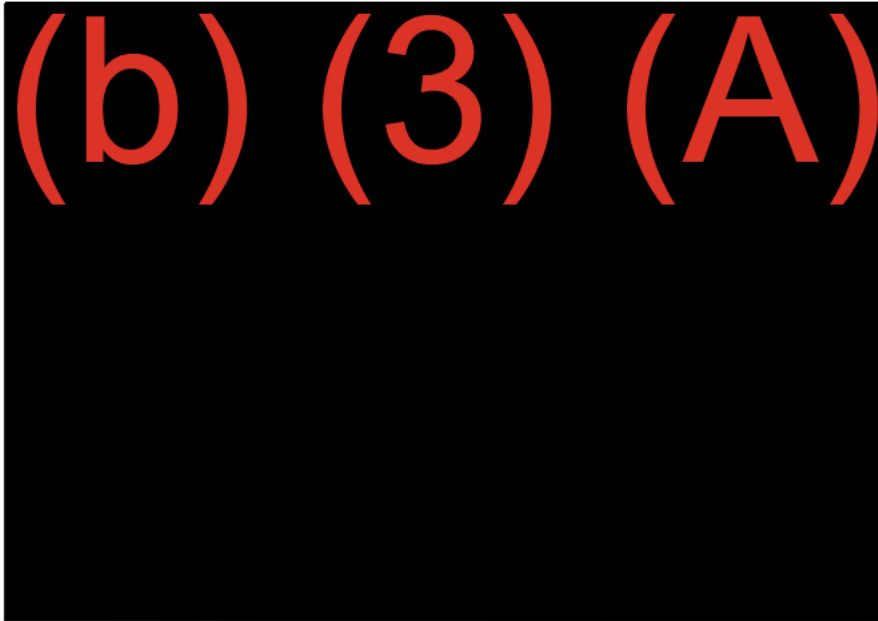


UPPER DOME AFTER CLEANING

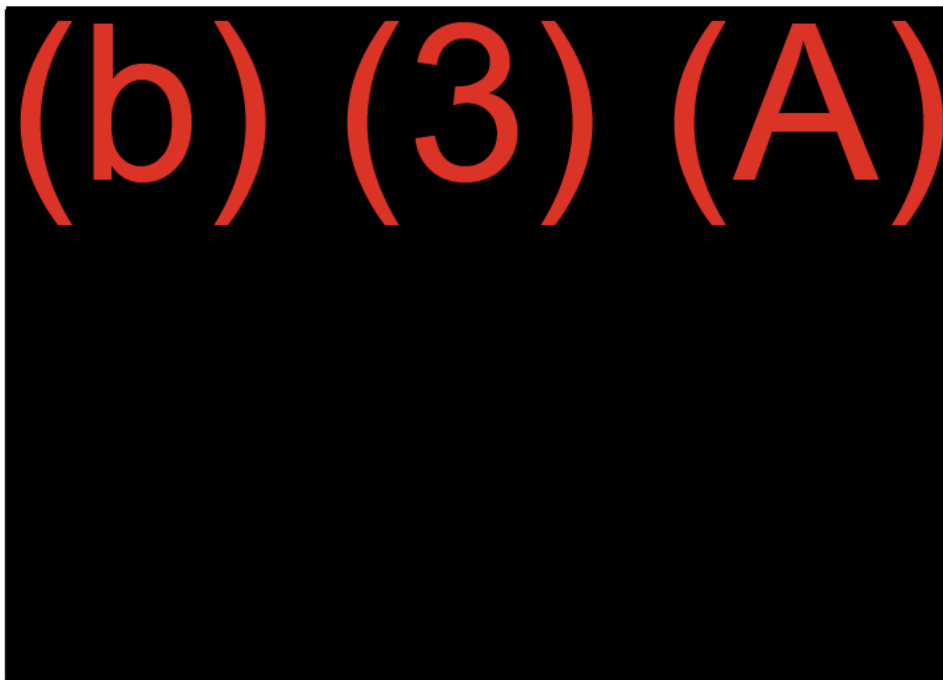


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LEFT SIDE JUST BELOW SPRING LINE IN DIRECTION OF MANWAY
PRIOR TO CLEANING

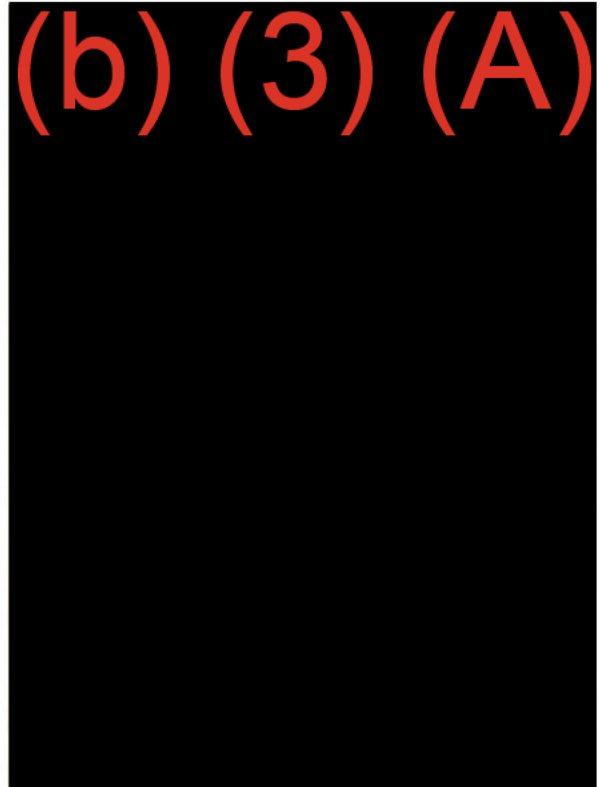
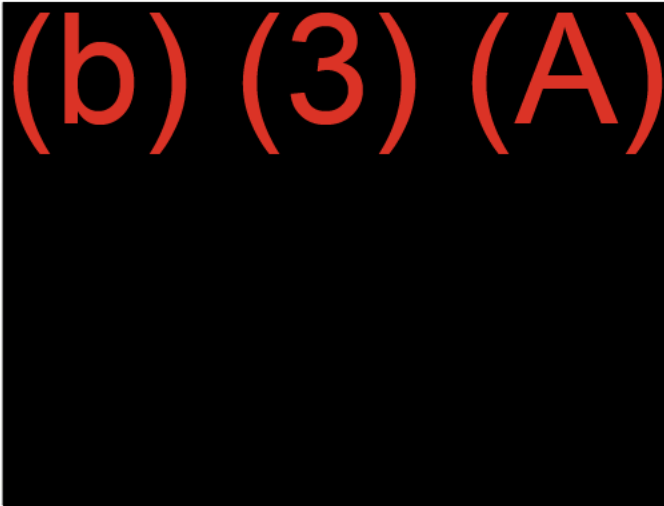


LEFT SIDE JUST BELOW SPRING LINE IN DIRECTION OF MANWAY
AFTER TO CLEANING – SURFACE WET FROM WATER WASHING



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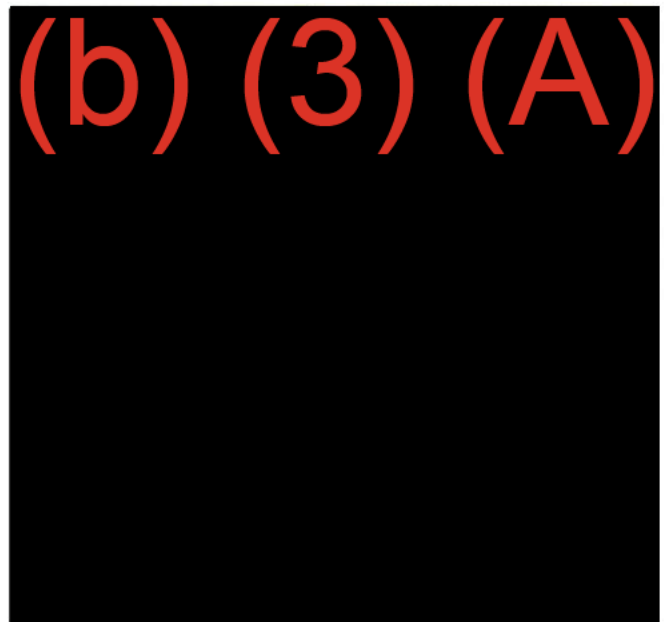
RIGHT SIDE IN DIRECTION OF MANWAY
AT SPRING LINE AND BELOW SPRING LINE PRIOR TO CLEANING



PLEASE NOTE THAT THESE PICTURES
DEMONSTRATE THE CONDITION OF
THE PAINT WITHIN TANK 1 THAT WAS
FOUND TO BE TYPICAL FAILURE
THROUGHOUT THE TANK.



LOWER DOME TO LEFT – BARREL BELOW

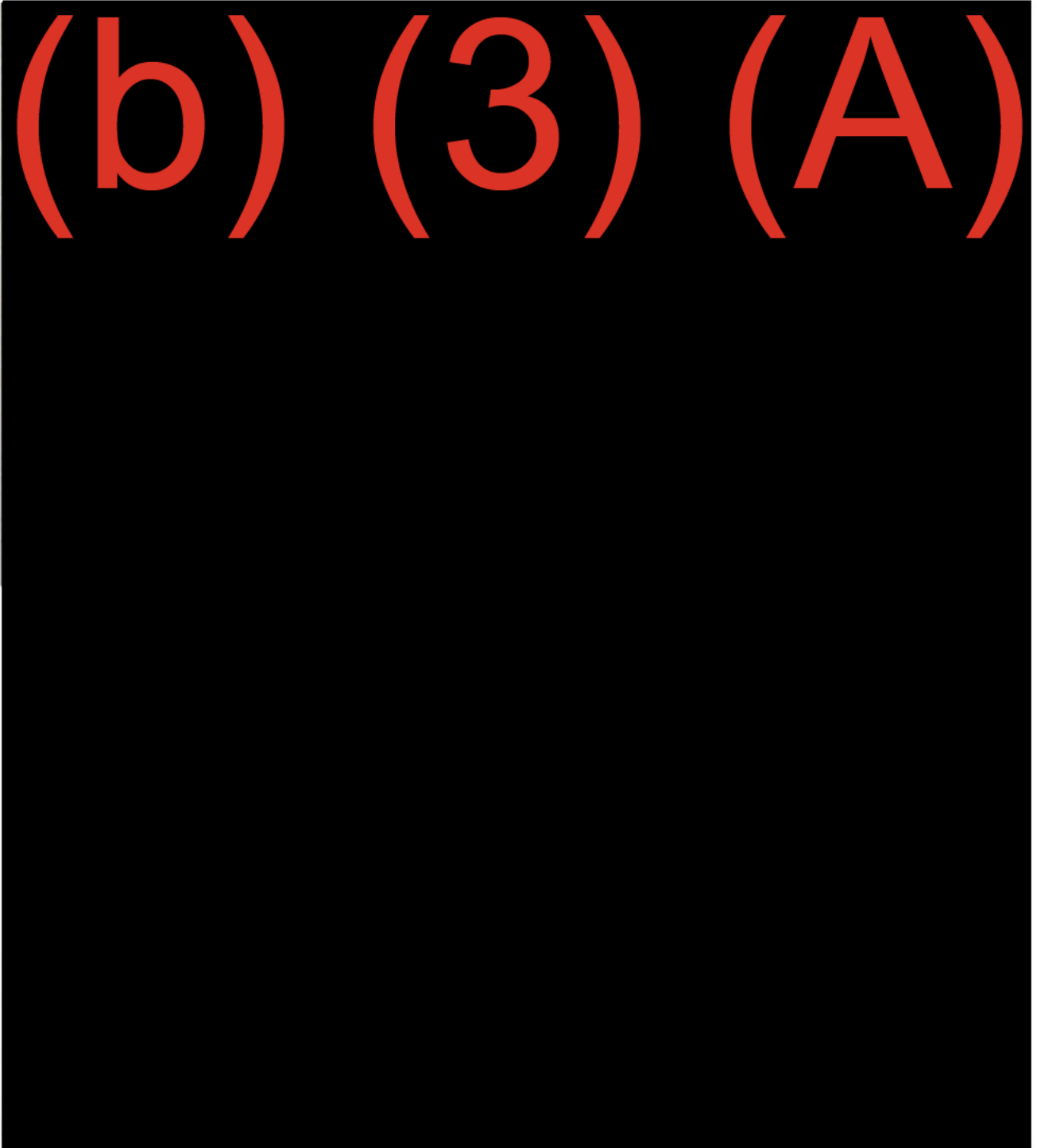


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SECTION 3 – TOWER

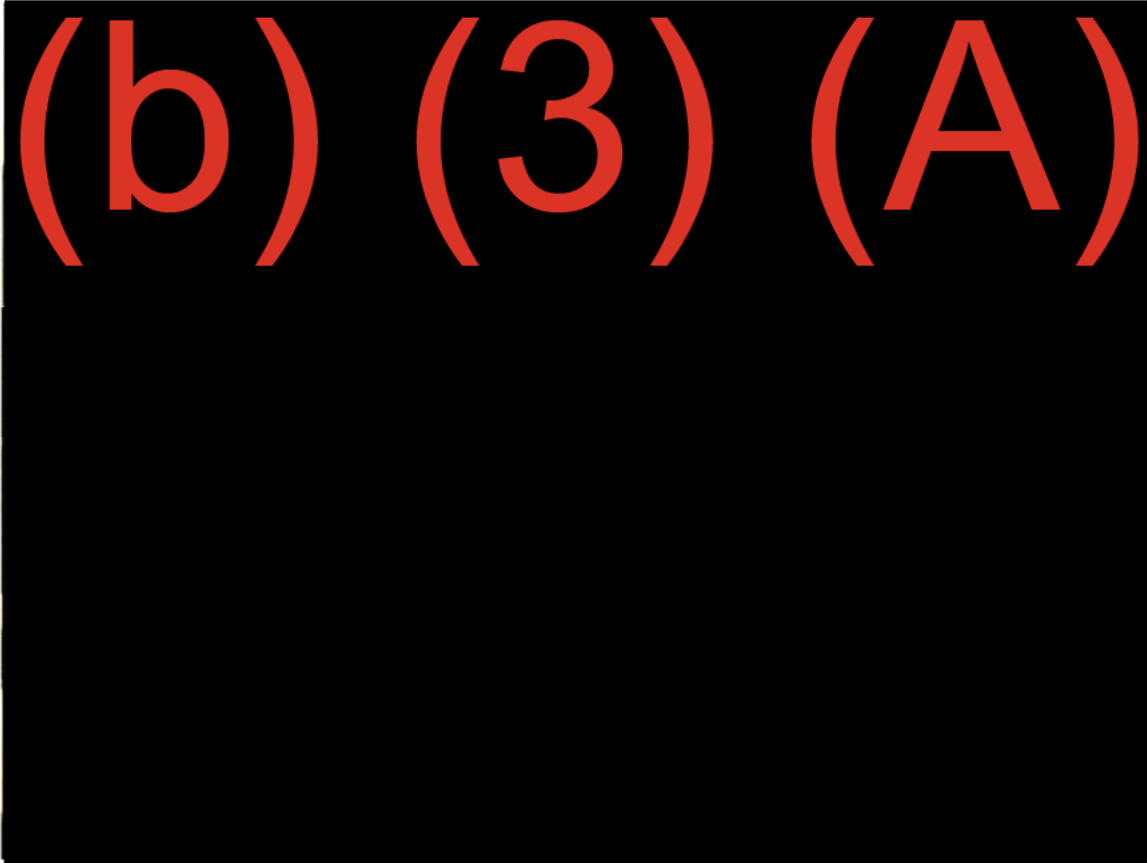
MODIFICATIONS FOR INSTALLATION OF SUSPENDED
RAILING REMOVAL ON LEFT SIDE OF TOWER PLATFORM

(b) (3) (A)



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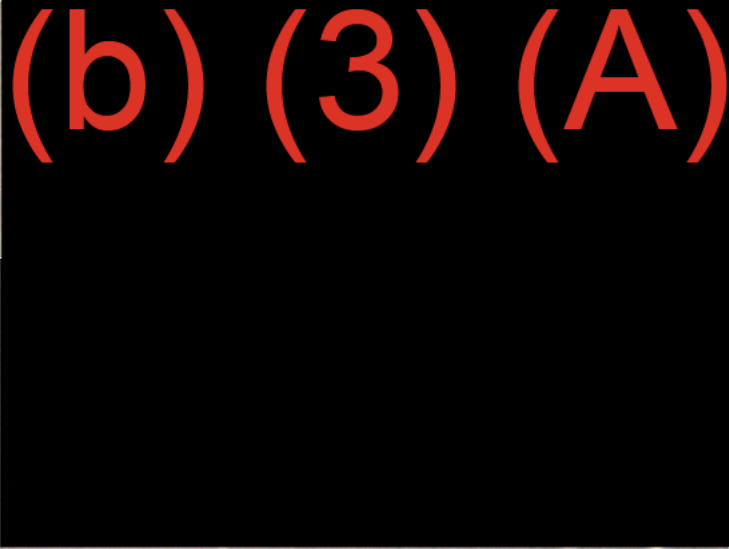
RE-INSTALLATION OF RAILINGS & COUNTER-WEIGHT TUB
FOR TANK CLOSURE



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SECTION 4 – VENT AND PIPING LINES

LOWER LEVEL PIPING & BLIND FLANGES INSTALLED



**UPPER LEVEL VENT PIPING
& BLIND FLANGES INSTALLED**

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SECTION 5 - MARINE CHEMIST CERTIFICATE

(b) (6)
Call (b) (6)

MARINE CHEMIST CERTIFICATE
SERIAL NO. M 94090

Page 1 of 1

Survey Requested by: DUNKIN & BUSH
TANK No. 1
Vessel: F-76, JP-5, JET-8 (23)
Last Three (3) Loadings: VISC. LEL CO. HCS
Tanks Performed: PIP

Vessel Owner or Agent: D&B
Type of Vessel: UNDERGROUND STORAGE TANK
Specific Location of Vessel: FACILITY
Time Survey Completed: 21 NOV. 2006
RED HAZAR. TR. FROM
ABQ5

TANK No. 1 } ATMOSPHERE SAFE FOR WORKERS (N)
SAFE FOR LIMITED HOT WORK (N)(KA)

(*) (1) MAINTAIN FORCED SHEDDAN VENTILATION IN TANK 1
(2) "SHISSARD COMPETENT PERSON" SHALL RETEST AND REINSPECT
TANK No. 1 MINIMUM ONCE PER DAY PRIOR TO START
OF WORK SHIFT(S).

(*) HOT WORK LIMITATIONS:
(1) DURING FUELING OPERATIONS THE FOLLOWING
RESTRICTIONS APPLY:
(A) MAINTAIN FORCED AIR VENTILATION IN LOWER TUNNEL
(B) SAFETY WATCH SHALL BE POSTED IN LOWER TUNNEL DURING
HOT WORK. SAFETY WATCH SHALL BE IN CONSTANT
RADIO COMMUNICATION WITH PERSONNEL IN TANK No. 1
DURING ALL HOT WORK.
(2) POST FIREWATCH AT HOT WORK SITE(S) AND AT TANK BOTTOM.
(3) HOT WORK SCOPE:
(A) WELD HANGAR TO CEILING TOWER AT CATWALK AREA.
(B) AT TANK BOTTOM, WITH SIX (6") SLOT LINE
FILLED WITH WATER, HOT WORK IS PERMITTED TO
WELD "CAT" PLATE TO END OF LINE.

TEST RESULTS: O₂ LEL CO HCS PIP
TANK No. 1 20.8 0 0 0.0 13.2
LIMIT OF DETECTION 0.1 1 1 0.1 0.1

NOTE: NO LEAKAGE DETECTED

In the event of physical or atmospheric changes affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, this certificate is voided; spaces not listed on the Certificate are not to be entered unless authorized on another Certificate and/or maintained in accordance with OSHA 29 CFR 1915, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist. Unless otherwise stated on the Certificate, all spaces and affected adjacent spaces are to be retested daily or more often as necessary by the competent person or the authority having jurisdiction, as applicable in support of work prior to entry or commencement of work.

QUALIFICATIONS: Transfer of ballast, cargo, fuel, or manipulation of valves or closure equipment leading to other conditions in pipelines, tanks, or compartments subject to gas accumulation, unless specifically approved on this Certificate, requires inspection and a new Certificate for space so affected. All lines, valves, heating coils, valves, and similar enclosed apparatuses shall be considered "not safe" unless otherwise specifically designated. Movement of the vessel from its specific location voids the Certificate unless shoring of the vessel within the facility has been specifically authorized on this Certificate.

STANDARD SAFETY DESIGNATIONS: (partial list, paraphrased from NFPA 306, Subsections 4.3.1 through 4.3.6)

ATMOSPHERE SAFE FOR WORKERS: In the compartment or space so designated: (a) the oxygen content of the atmosphere is at least 19.5 percent and not greater than 22 percent by volume; (b) the concentration of flammable materials is below 10 percent of the lower explosive limit; (c) any toxic materials in the atmosphere are associated with cargo, fuel, tank coatings, insulating materials, or turnings are within permissible concentrations at the time of the inspection.

NOT SAFE FOR WORKERS: In the compartment or space so designated, entry is not permitted.

ENTER WITH RESTRICTIONS: In the compartment or space so designated, entry for work is permitted only if conditions of proper protective equipment, or clothing, or time, or all of the aforementioned, as appropriate, are as specified.

SAFE FOR HOT WORK: In the compartment or space so designated: (a) the oxygen content of the atmosphere is not greater than 22 percent by volume; (b) the concentration of flammable materials in the atmosphere is less than 10 percent of the lower explosive limit; (c) the residues, scale, or preservative coatings are cleaned sufficiently to prevent the spread of fire and are not capable of producing a higher concentration than permitted by (a) or (b); (d) all adjacent spaces, containing or having contained flammable or combustible materials shall be sufficiently cleaned of residues, scale, or preservative coatings to prevent the spread of fire, or they are inerted. Ship's fuel tanks, lube tanks, or engine room or fire room bilges, or other machinery spaces, are treated in accordance with the Marine Chemist's requirements.

SAFE FOR LIMITED HOT WORK: In the compartment or space so designated: (a) portions of the space meet the requirements for Safe for Hot Work and Partial Cleaning, as applicable, or (b) the space is inerted, adjacent spaces meet the requirements for Safe for Hot Work, and hot work is restricted to specific locations; (c) portions of the space shall meet the requirements for Safe for Hot Work, as applicable, and the nature or type of hot work is limited or restricted.

NOT SAFE FOR HOT WORK: In the compartment or space so designated, hot work is not permitted.

CHEMIST'S ENDORSEMENT: This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

*The undersigned certifies that the inspection was conducted in accordance with NFPA 306 and understands conditions governing its validity.

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to the conditions stated herein.

Signed: (b) (6) D&B 11-21-06 (b) (6)
Name: Date: Signature: Certificate No.

POSTING COPY

20M-9-97

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