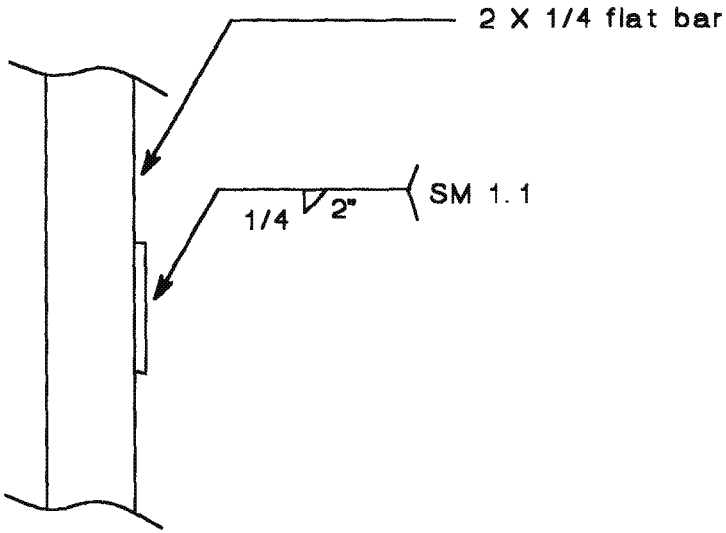
Section 9

RECOMMENDED REPAIRS

TAN										
Repair #	TYPE	Actual	Coated Areas	Plate size	Weld Lgth	Location	Quadrant	Course	Plate	Comments
		Repair	Square Inches	Inches	Inches					
1		10	20		2	Upper Dome	D	B	19	
2		10	20		2	Upper Dome	D	B	22	
3		10	20		3	Upper Dome	D	A	22	
4		10	20		3	Upper Dome	D	A	22	
5		10	20		2	Upper Dome	D	A	22	
6		10	20		2	Upper Dome	D	A	22	
7		10	20		4	Upper Dome	D	EXT	22	
8		10	30		4	Upper Dome	D	EXT	22	
9		5	20	5 X 5	20	Upper Dome	D	7	22	
10		10	20		2	Cylinder	D	28	22	
11		10	30		4	Cylinder	C	A	17	
12		10	20		2	Upper Dome	D	A	22	
13		10	20		2	Upper Dome	D	A	22	
14		10	20		2	Upper Dome	D	A	21	
15		2	40			Upper Dome	D	A	21	
16		10	20		2	Upper Dome	D	A	21	
17		10	30		6	Upper Dome	D	A	19	
18		10	20		2	Upper Dome	D	A	19	
19		10	20		2	Upper Dome	C	EXT	18	
20		10	20		2	Upper Dome	C	A	18	
21		9	20		2	Upper Dome	C	A	16	
22		10	20		2	Upper Dome	C	EXT	18	
23		10	20		2	Cylinder	D	6	21	
24		9	20		2	Cylinder	D	10	12	
25		9	20		2	Cylinder	D	13	21	
26		9	20		2	Cylinder	D	13	21	
27		9	20		2	Cylinder	D	13	21	
28		10	20		1	Cylinder	D	16	21	
29		10	30		3	Cylinder	C	14	22	
30		9	20		1	Cylinder	C	25	15	
31		10	130			Cylinder	C	24	15	
32		10	100		3	Cylinder	C	28	18	
33		10	40		36	Lower Dome	D	3	21	
34		8	50			Lower Dome	C	3	17	
35		8	100			Lower Dome	C	3	16	
36		8	140			Lower Dome	C	2	18	
37		8	130			Lower Dome	C	2	15	
38		8	200			Lower Dome	D	2	21	
39		8	20		2	Upper Dome	A	B	3	
40		10	20		2	Upper Dome	A	B	9	

TANK 7										page 2
Repair #	TYPE	Actual	Coated Areas	Plate size	Weld Lgth	Location	Quadrant	Course	Plate	Comments
		Repair	Square Inches	Inches	Inches					
41		10	40		10	Upper Dome	A	A	2	
42		10	20		2	Upper Dome	A	A	3	
43		10	20		2	Upper Dome	A	A	3	
44		10	40		20	Upper Dome	A	A	3	
45		10	20		3	Upper Dome	A	A	4	
46		10	20		2	Upper Dome	B	A	10	
47		10	40		16	Upper Dome	B	A	11	
48		10	20		2	Cylinder	B	8	11	
49		9	20		2	Cylinder	B	15	9	
50		10	80		20	Cylinder	B	28	11	
51		10	30		30	Cylinder	B	28	8	
52		10	30		16	Cylinder	B	28	7	
53		10	30		25	Cylinder	B	28	6	
54		10	20		6	Cylinder	B	28	5	
55		10	30		24	Cylinder	B	28	4	
56		2	30		30	Cylinder	B	28	2	
57		10	70			Lower Dome	B	3	11	
58		8	50			Lower Dome	B	3	11	
59		8	180			Lower Dome	A	3	3	
60		8	20		4	Cylinder	A	17	1	
62		10	900			Lower Dome	A	3	1	
63		8	50			Lower Dome	B	2	7	
64		8	70			Lower Dome	A	2	1	
65		8	100			Lower Dome	A	1	1	
66		8	50			Lower Dome	B	1	9	

INSPECTED 3/27/98 BY JF & TK



TYPE 10 REPAIR

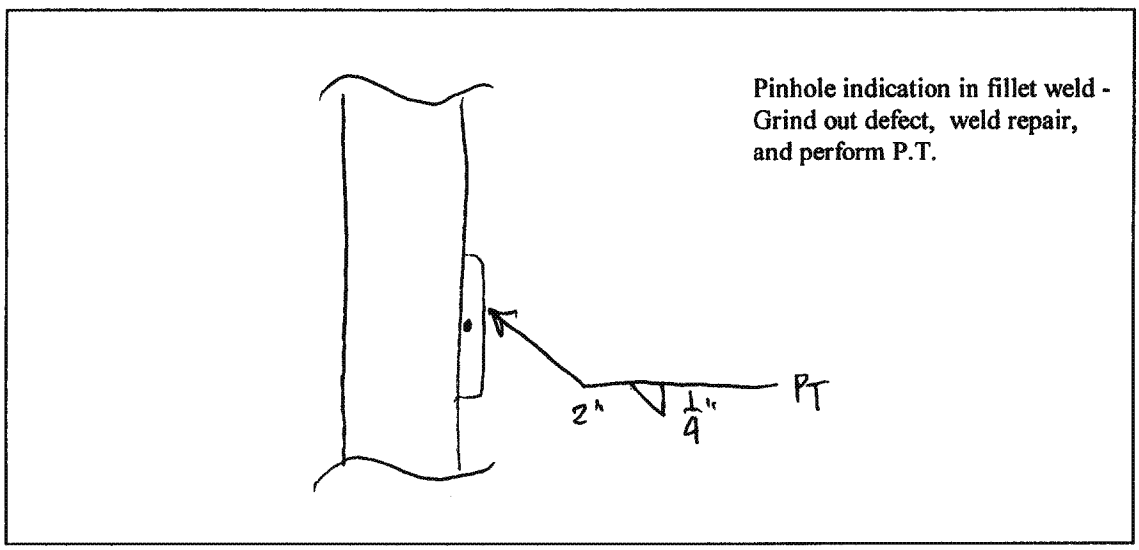
MID ATLANTIC ENVIRONMENTAL	
EMERGENCY REPAIRS FOR RED HILL TANKS	
Tank #7 RECOMMENDED REPAIR DRAWINGS	
Repair No.: 001	File: 7r001
Upper Dome	Quadrant: D
Course: B	Plate: 19
Drawn by: Tom Kitchen	Date: 5/4/98

RDHLCC0004595

Dames & Moore
Emergency Repairs For Red Hill Tanks at the Fleet Industrial & Supply Center
Contract No. N62742-96-C-1356

Repair Record

Tank No.: 7 Repair No.: 002 Type: 10 Location: D 22 - B



Sketch of Repair Area

Weld Repair

WPS No.: SM1.1-1

Welder ID: John Walsh

NDT Performed: Visual ✓ Vacuum Box _____ Dye Penetrant ✓

Rework Required: N/A

Repair Acceptable: John Zachwell Date Accepted: 4-2-98

Coating Repair

Coating Type: Epoxy

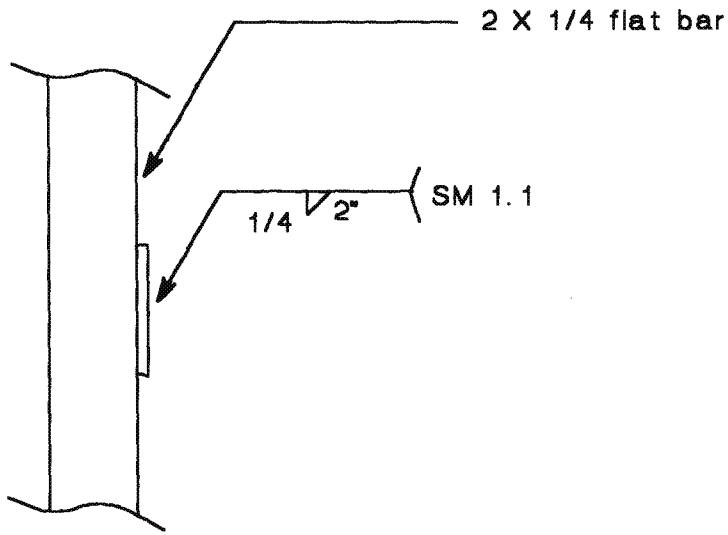
Surface Preparation: ✓ Primer Coat: ✓ Intermediate Coat: ✓ Final Coat: ✓

NDT Performed: Visual: ✓ DFT: ✓ Average DFT: 8-15 mils

Rework Required: N/A

Repair Acceptable: John Zachwell Date Accepted: 4-3-98

INSPECTED 3/27/98 BY JF & TK

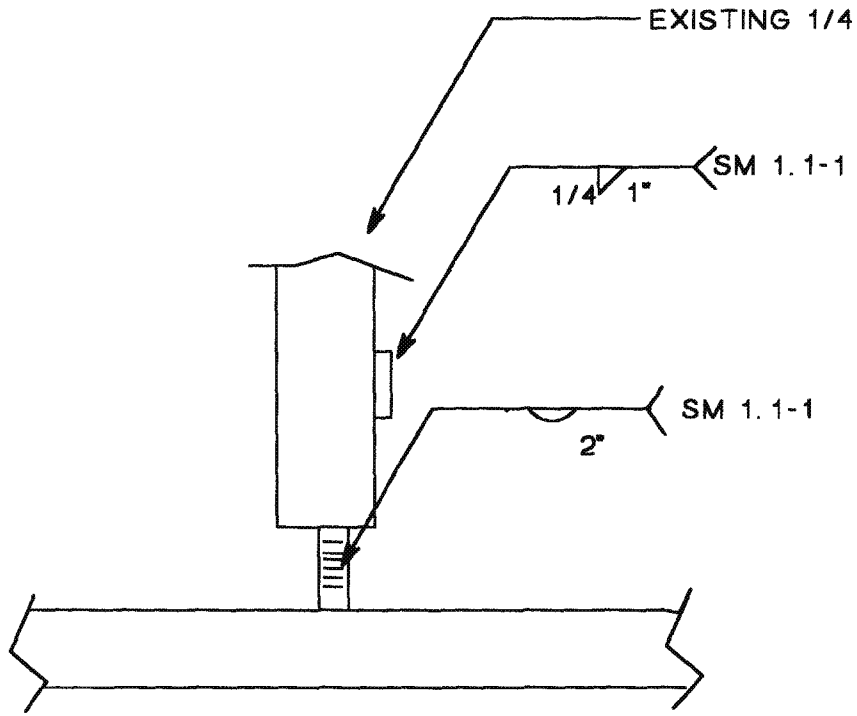


TYPE 10 REPAIR

MID ATLANTIC ENVIRONMENTAL	
EMERGENCY REPAIRS FOR RED HILL TANKS	
Tank #7 AS BUILT DRAWINGS	
Repair No.: 002	File: 7r002
Upper Dome	Quadrant: D
Course: B	Plate: 22
Drawn by: Tom Kitchen	Date: 5/4/98

RDHLCC0004597

DEFECT INSPECTED 3/27/98 BY JF & TK



EXISTING 1/4 X 2 FLATBAR

TYPE 10 REPAIR

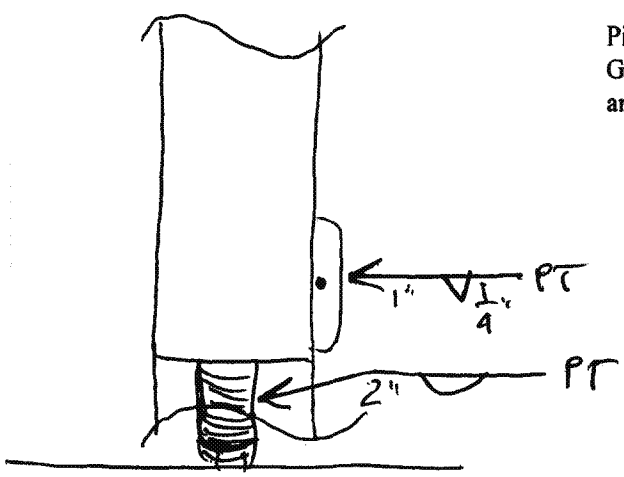
MID ATLANTIC ENVIRONMENTAL	
EMERGENCY REPAIRS FOR RED HILL TANKS	
Tank #7 AS BUILT DRAWINGS	
Repair No.: 003	File:7R003
Upper Dome	Quadrant: D
Course: A	Plate: 22
Drawn by: Tom Kitchen	Date: 5/4/98

RDHLCC0004598

Dames & Moore
Emergency Repairs For Red Hill Tanks at the Fleet Industrial & Supply Center
Contract No. N62742-96-C-1356

Repair Record

Tank No.: 7 Repair No.: 003 Type: 10 Location: D22 - A



Sketch of Repair Area

Weld Repair

WPS No.: SM1.1-1

Welder ID: John Walsh

NDT Performed: Visual ✓ Vacuum Box _____ Dye Penetrant ✓

Rework Required: N/A

Repair Acceptable: John Zackrell Date Accepted: 4-2-98

Coating Repair

Coating Type: Epoxy

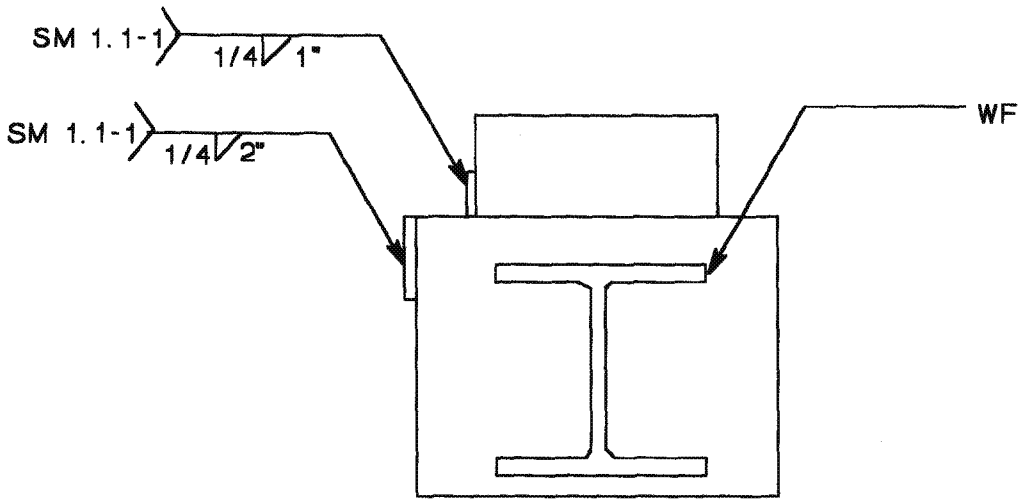
Surface Preparation: ✓ Primer Coat: ✓ Intermediate Coat: ✓ Final Coat: ✓

NDT Performed: Visual: ✓ DFT: ✓ Average DFT: 8-15 mils

Rework Required: N/A

Repair Acceptable: John Zackrell Date Accepted: 4-3-98

Defect Inspected 3/27/98 by JF 7 TK



TYPE 10 REPAIR

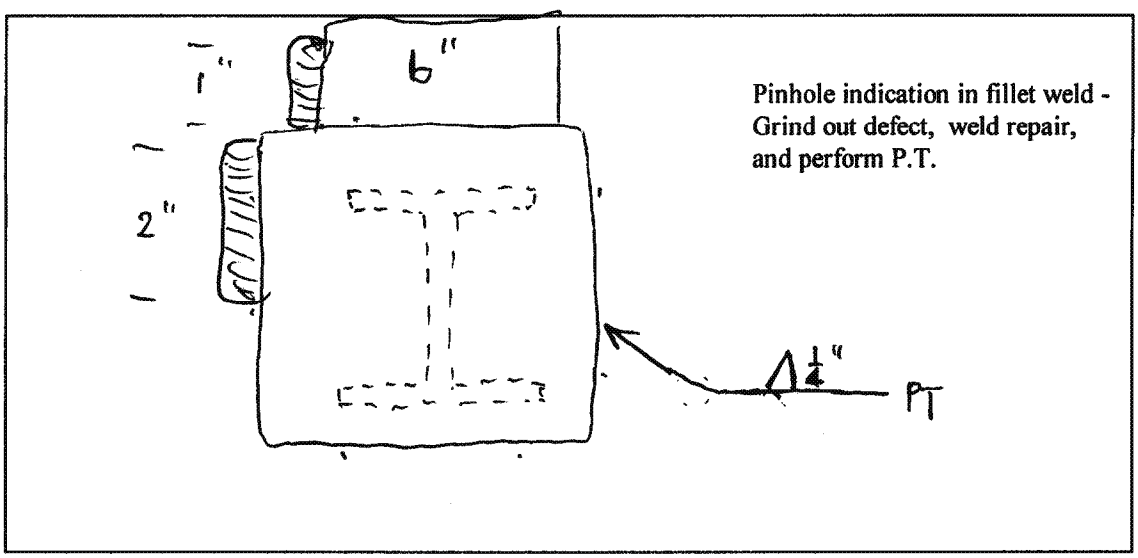
MID ATLANTIC ENVIRONMENTAL	
EMERGENCY REPAIRS FOR RED HILL TANKS	
Tank #7 AS BUILT DRAWINGS	
Repair No.: 004	File:7R004
Upper Dome	Quadrant: A
Course: A	Plate 22
Drawn by: Tom Kitchen	Date: 5/4/98

RDHLCC0004600

Dames & Moore
Emergency Repairs For Red Hill Tanks at the Fleet Industrial & Supply Center
Contract No. N62742-96-C-1356

Repair Record

Tank No.: 7 Repair No.: 004 Type: 10 Location: D22 - A



Sketch of Repair Area

Weld Repair

WPS No.: SM1.1-1

Welder ID: John Walsh

NDT Performed: Visual ✓ Vacuum Box _____ Dye Penetrant ✓

Rework Required: N/A

Repair Acceptable: [signature] Date Accepted: 4-2-98

Coating Repair

Coating Type: Epoxy

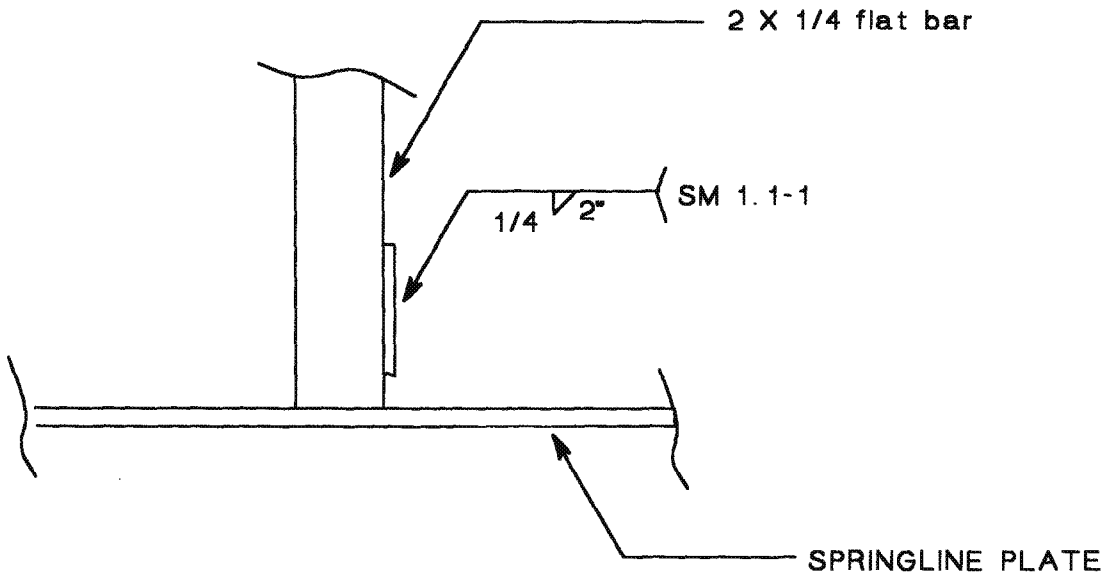
Surface Preparation: ✓ Primer Coat: ✓ Intermediate Coat: ✓ Final Coat: ✓

NDT Performed: Visual: ✓ DFT: ✓ Average DFT: 8-15 mils

Rework Required: N/A

Repair Acceptable: [signature] Date Accepted: 4-3-98

Inspected 3/27/98 by JF & TK



TYPE 10 REPAIR

MID ATLANTIC ENVIRONMENTAL	
EMERGENCY REPAIRS FOR RED HILL TANKS	
Tank #7 REPAIR DRAWING	
Repair No.: 005	File: 7R005
Upper Dome	Quadrant: A
Course: A	Plate: 22
Drawn by: Tom Kitchen	Date: 5/4/98

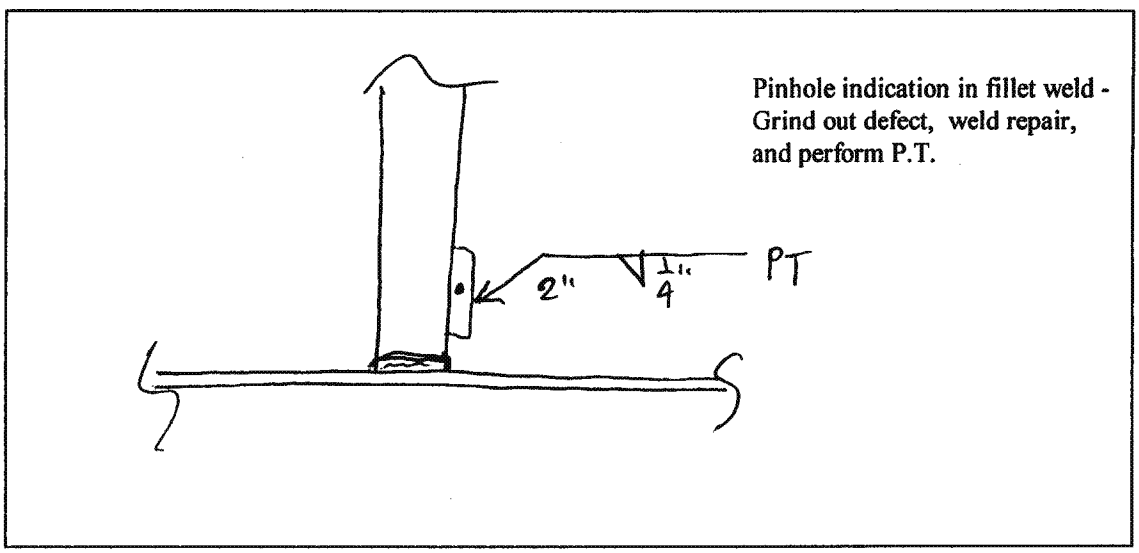
RDHLCC0004602

Dames & Moore

Emergency Repairs For Red Hill Tanks at the Fleet Industrial & Supply Center
Contract No. N62742-96-C-1356

Repair Record

Tank No.: 7 Repair No.: 005 Type: 10 Location: D 22 - A



Sketch of Repair Area

Weld Repair

WPS No.: SM1.1-1

Welder ID: John Walsh

NDT Performed: Visual ✓ Vacuum Box _____ Dye Penetrant ✓

Rework Required: N/A

Repair Acceptable: John Zadnell Date Accepted: 4-2-98

Coating Repair

Coating Type: Epoxy

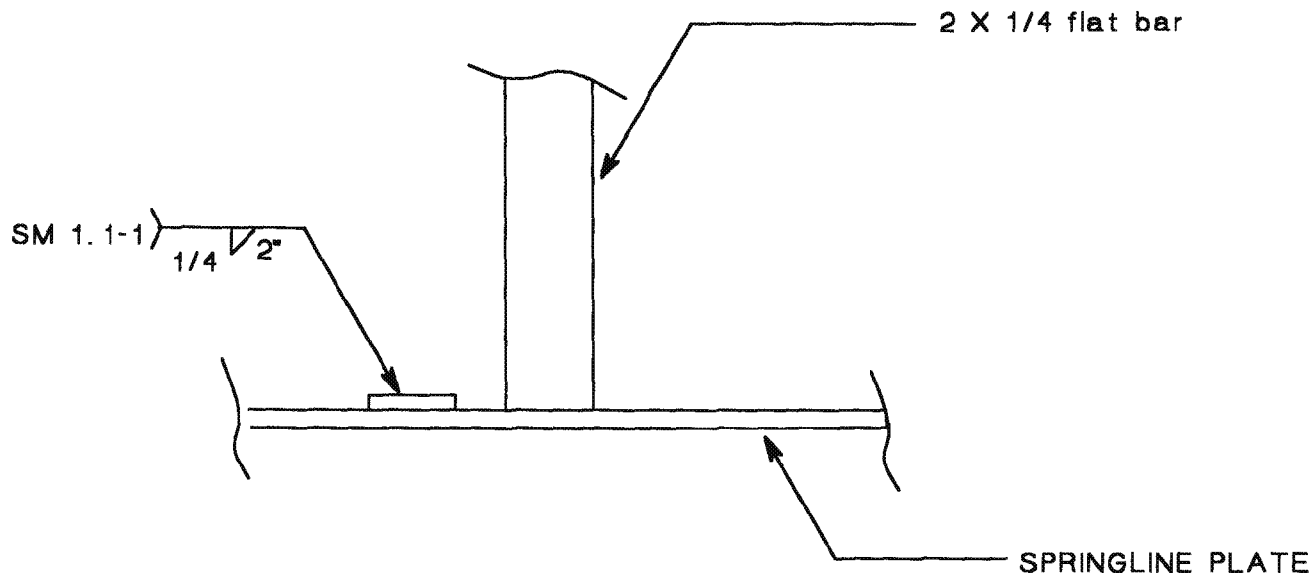
Surface Preparation: ✓ Primer Coat: ✓ Intermediate Coat: ✓ Final Coat: ✓

NDT Performed: Visual: ✓ DFT: ✓ Average DFT: 8-15 mils

Rework Required: N/A

Repair Acceptable: John Zadnell Date Accepted: 4-3-98

Inspected 3/27/98 by JF & TK



TYPE 10 REPAIR

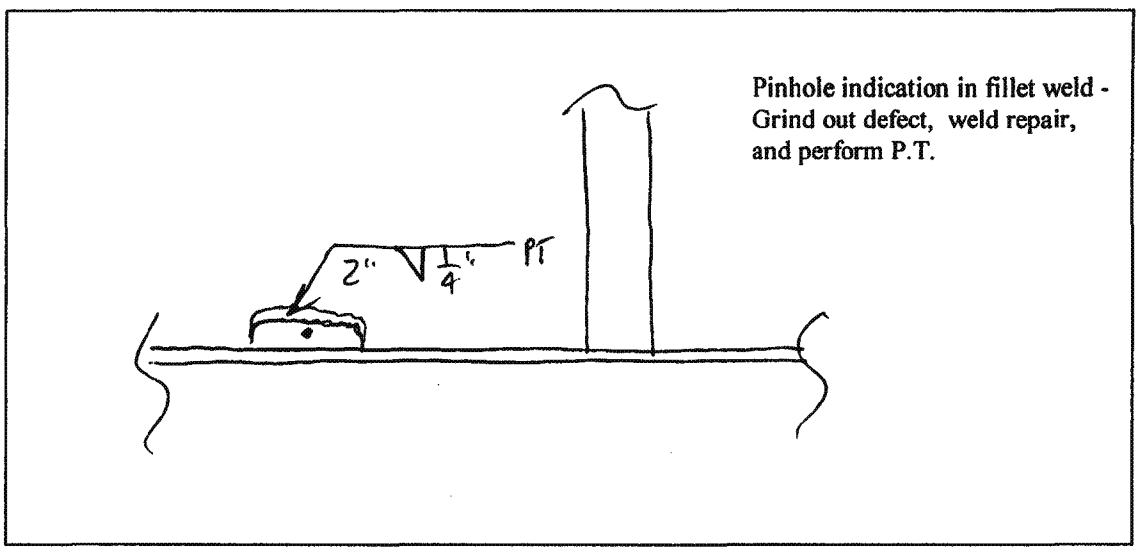
MID ATLANTIC ENVIRONMENTAL	
EMERGENCY REPAIRS FOR RED HILL TANKS	
Tank #7 RECOMMENDED REPAIR DRAWING	
Repair No.: 006	File:7R006
Upper Dome	Quadrant: A
Course: A	Plate: 22
Drawn by: Tom Kitchen	Date: 5/4/98

RDHLCC0004604

Dames & Moore
Emergency Repairs For Red Hill Tanks at the Fleet Industrial & Supply Center
Contract No. N62742-96-C-1356

Repair Record

Tank No.: 7 Repair No.: 006 Type: 10 Location: D22 - A



Sketch of Repair Area

Weld Repair

WPS No.: SM1.1-1

Welder ID: John Walsh

NDT Performed: Visual ✓ Vacuum Box _____ Dye Penetrant ✓

Rework Required: N/A

Repair Acceptable: John Zadnell Date Accepted: 4-2-98

Coating Repair

Coating Type: Epoxy

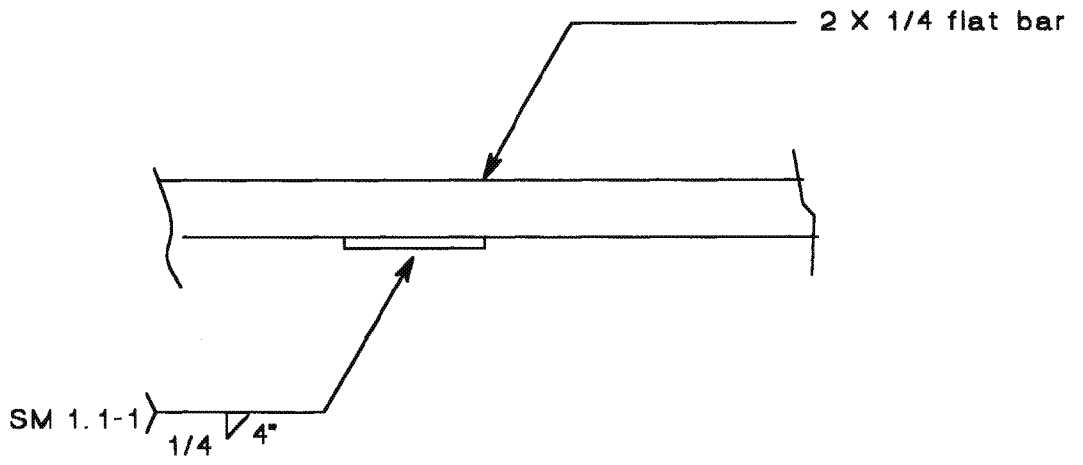
Surface Preparation: ✓ Primer Coat: ✓ Intermediate Coat: ✓ Final Coat: ✓

NDT Performed: Visual: ✓ DFT: ✓ Average DFT: 8-15 mils

Rework Required: N/A

Repair Acceptable: John Zadnell Date Accepted: 4-3-98

Inspected 3/27/98 by JF & TK



TYPE 10 REPAIR

MID ATLANTIC ENVIRONMENTAL	
EMERGENCY REPAIRS FOR RED HILL TANKS	
Tank #7 REPAIR DRAWING	
Repair No.: 007	File: 7R007
Upper Dome	Quadrant: D
Course: EXTENSION	Plate: 22
Drawn by: Tom Kitchen	Date: 5/4/98

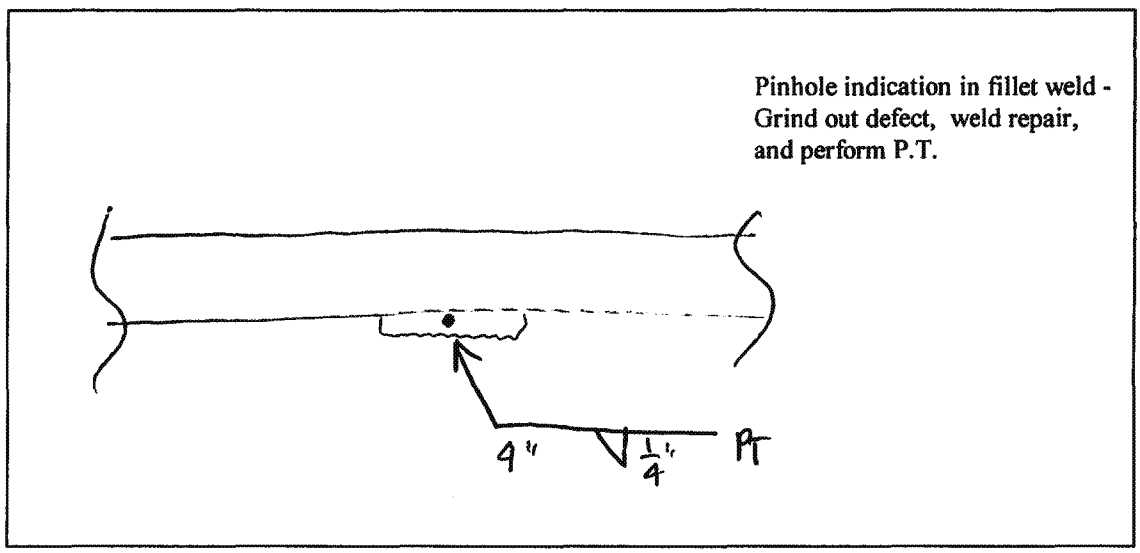
RDHLCC0004606

Dames & Moore

Emergency Repairs For Red Hill Tanks at the Fleet Industrial & Supply Center
Contract No. N62742-96-C-1356

Repair Record

Tank No.: 7 Repair No.: 007 Type: 10 Location: D22 - EXT



Sketch of Repair Area

Weld Repair

WPS No.: SM1.1-1

Welder ID: John Walsh

NDT Performed: Visual ✓ Vacuum Box _____ Dye Penetrant ✓

Rework Required: N/A

Repair Acceptable: John Zadnell Date Accepted: 4-2-98

Coating Repair

Coating Type: Epoxy

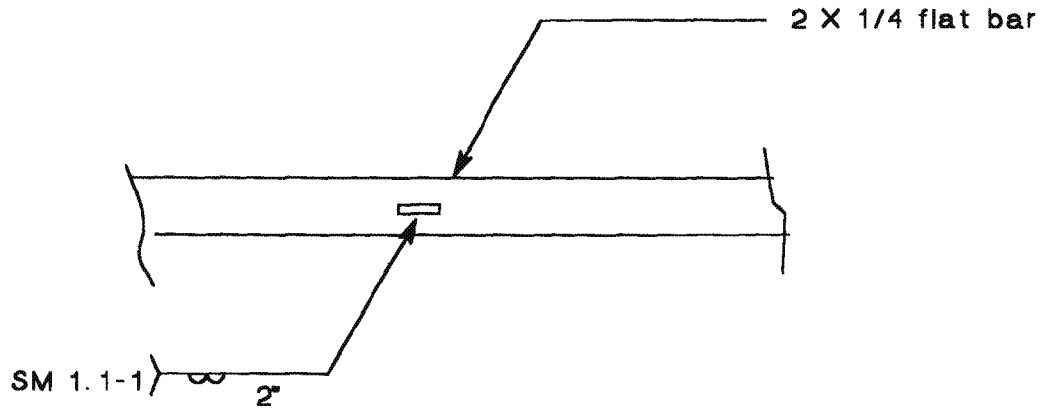
Surface Preparation: ✓ Primer Coat: ✓ Intermediate Coat: ✓ Final Coat: ✓

NDT Performed: Visual: ✓ DFT: ✓ Average DFT: 8-15 mils

Rework Required: N/A

Repair Acceptable: John Zadnell Date Accepted: 4-3-98

Inspected 3/27/98 by JF & TK



TYPE 10 REPAIR

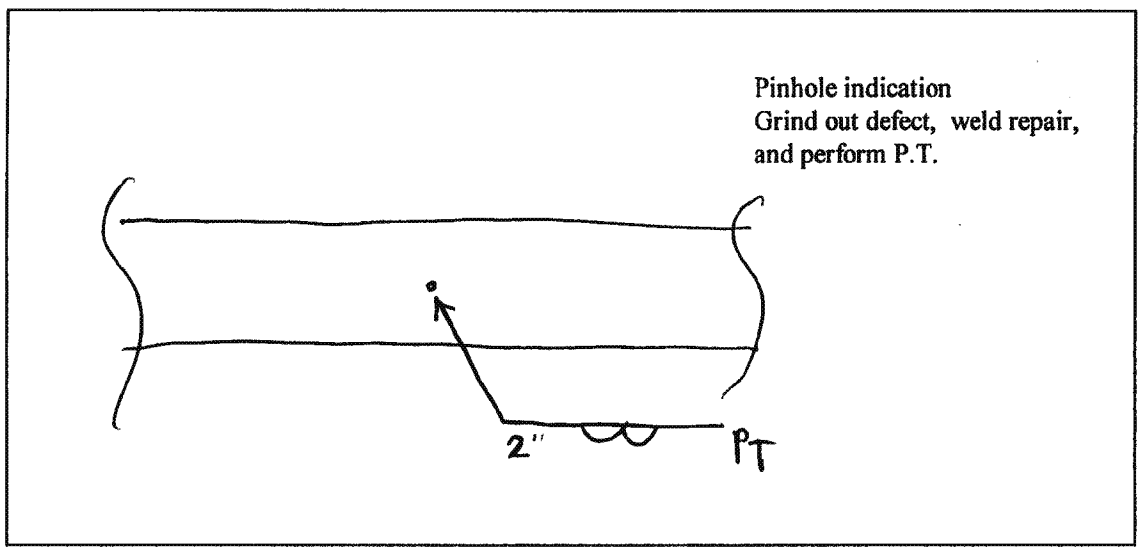
MID ATLANTIC ENVIRONMENTAL	
EMERGENCY REPAIRS FOR RED HILL TANKS	
Tank #7 REPAIR DRAWING	
Repair No.: 008	File:7R008
Upper Dome	Quadrant: D
Course: EXTENSION	Plate: 22
Drawn by: Tom Kitchen	Date: 5/4/98

RDHLCC0004608

Dames & Moore
Emergency Repairs For Red Hill Tanks at the Fleet Industrial & Supply Center
Contract No. N62742-96-C-1356

Repair Record

Tank No.: 7 Repair No.: 008 Type: 10 Location: D22 - EXT



Sketch of Repair Area

Weld Repair

WPS No.: SM1.1-1

Welder ID: John Walsh

NDT Performed: Visual ✓ Vacuum Box _____ Dye Penetrant ✓

Rework Required: N/A

Repair Acceptable: John Zadnell Date Accepted: 4-2-98

Coating Repair

Coating Type: Epoxy

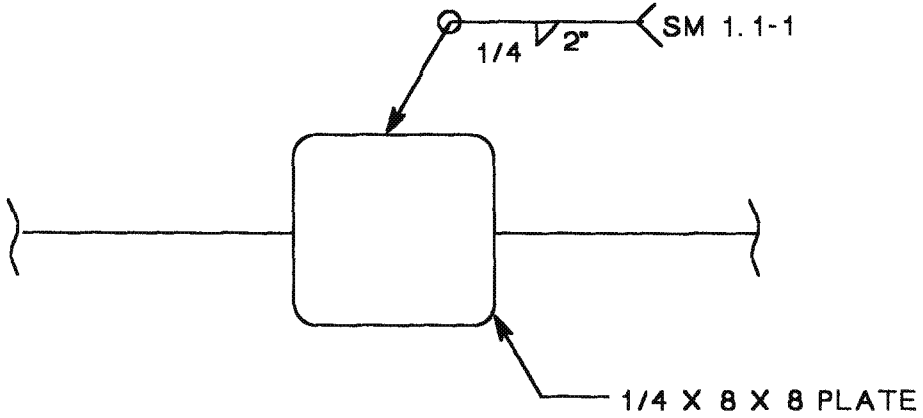
Surface Preparation: ✓ Primer Coat: ✓ Intermediate Coat: ✓ Final Coat: ✓

NDT Performed: Visual: ✓ DFT: ✓ Average DFT: 8-15 mils

Rework Required: N/A

Repair Acceptable: John Zadnell Date Accepted: 4-3-98

Inspected 3/27/98 by JF & TK



TYPE 5 REPAIR

MID ATLANTIC ENVIRONMENTAL	
EMERGENCY REPAIRS FOR RED HILL TANKS	
Tank #7 REPAIR DRAWING	
Repair No.: 009	File: 7R009
CYLINDER	Quadrant: D
Course: 7	Plate: 22
Drawn by: Tom Kitchen	Date: 5/4/98

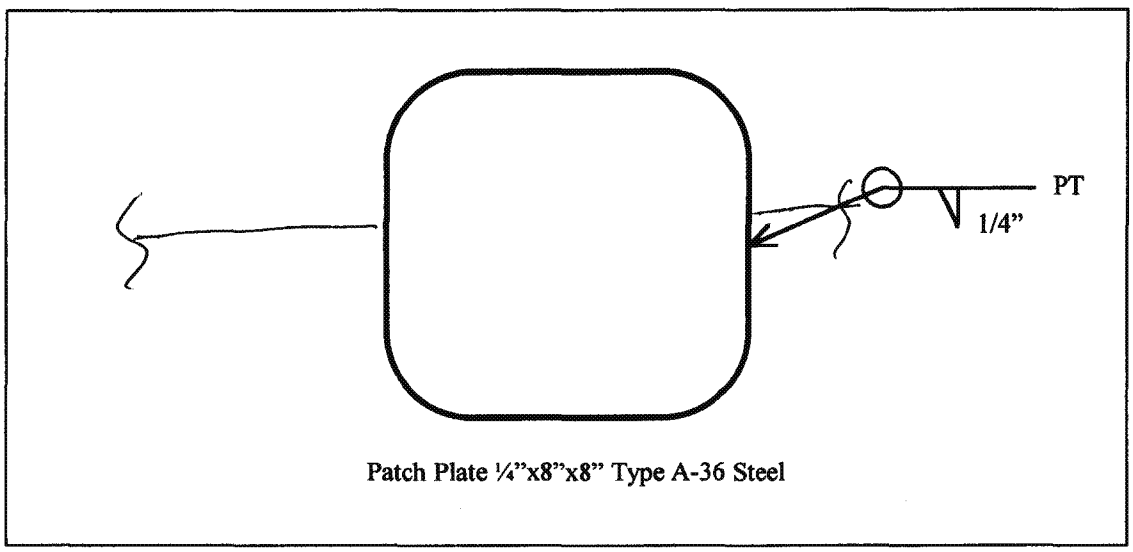
RDHLCC0004610

Dames & Moore

Emergency Repairs For Red Hill Tanks at the Fleet Industrial & Supply Center
Contract No. N62742-96-C-1356

Repair Record

Tank No.: 7 Repair No.: 009 Type: 5 Location: D 22-07



Patch Plate ¼"x8"x8" Type A-36 Steel

Sketch of Repair Area

Weld Repair

WPS No.: SM1.1-1

Welder ID: John Walsh

NDT Performed: Visual ✓ Vacuum Box _____ Dye Penetrant ✓

Rework Required: N/A

Repair Acceptable: John Bardwell Date Accepted: 4-2-98

Coating Repair

Coating Type: Epoxy

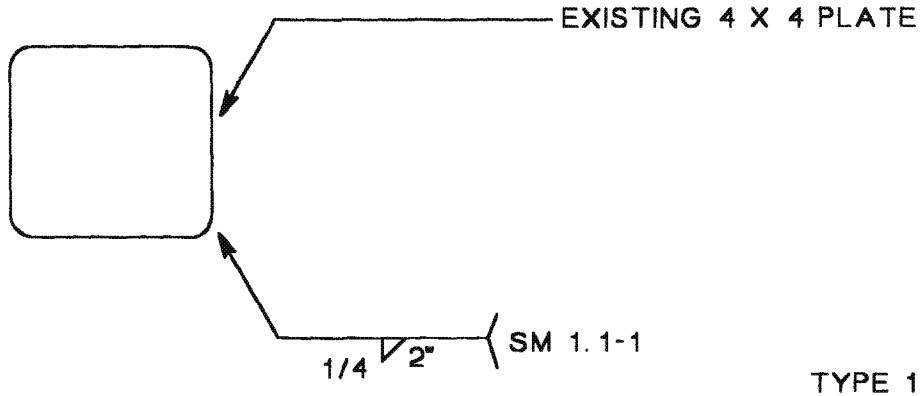
Surface Preparation: ✓ Primer Coat: ✓ Intermediate Coat: ✓ Final Coat: ✓

NDT Performed: Visual: ✓ DFT: ✓ Average DFT: 8-15 mils

Rework Required: N/A

Repair Acceptable: John Bardwell Date Accepted: 4-3-98

Inspected 3/27/98 by JF & TK



TYPE 10 REPAIR

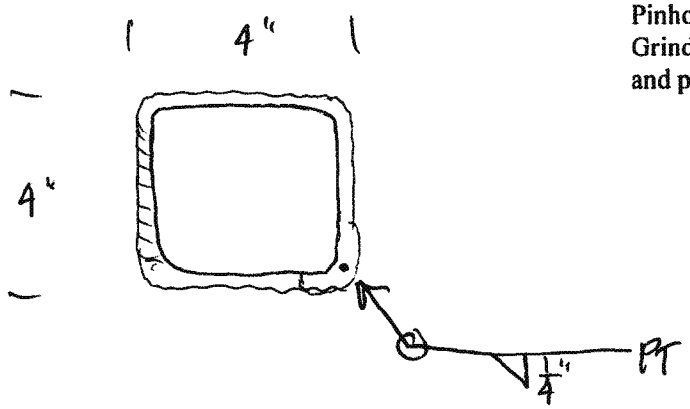
MID ATLANTIC ENVIRONMENTAL	
EMERGENCY REPAIRS FOR RED HILL TANKS	
Tank #7 REPAIR DRAWING	
Repair No.: 010	File:7R010
CYLINDER	Quadrant: D
Course: 28	Plate: 22
Drawn by: Tom Kitchen	Date: 5/4/98

RDHLCC0004612

Dames & Moore
Emergency Repairs For Red Hill Tanks at the Fleet Industrial & Supply Center
Contract No. N62742-96-C-1356

Repair Record

Tank No.: 7 Repair No.: 010 Type: 10 Location: D22-28



Pinhole indication in fillet weld - Grind out defect, weld repair, and perform P.T.

Sketch of Repair Area

Weld Repair

WPS No.: SM1.1-1

Welder ID: John Walsh

NDT Performed: Visual ✓ Vacuum Box _____ Dye Penetrant ✓

Rework Required: N/A

Repair Acceptable: John Zadnell Date Accepted: 4-2-98

Coating Repair

Coating Type: Epoxy

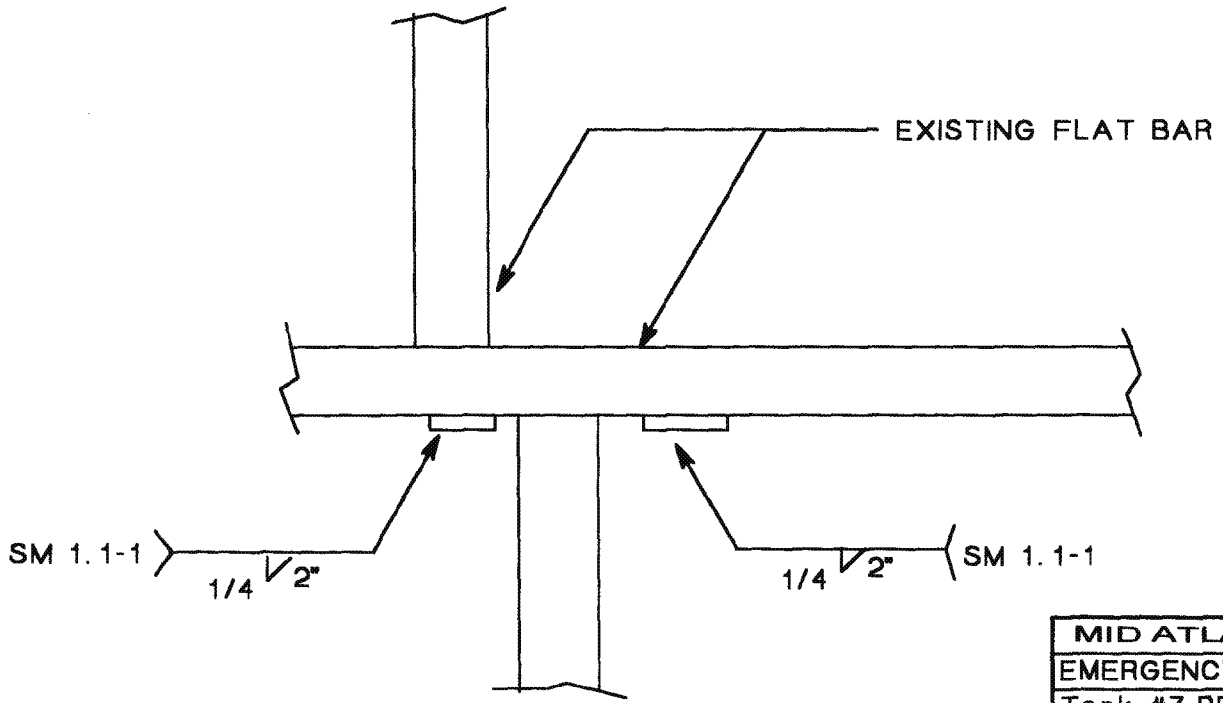
Surface Preparation: ✓ Primer Coat: ✓ Intermediate Coat: ✓ Final Coat: ✓

NDT Performed: Visual: ✓ DFT: ✓ Average DFT: 8-15 mils

Rework Required: N/A

Repair Acceptable: John Zadnell Date Accepted: 4-3-98

Inspected 3/27/98 by JF & TK



TYPE 10 REPAIR

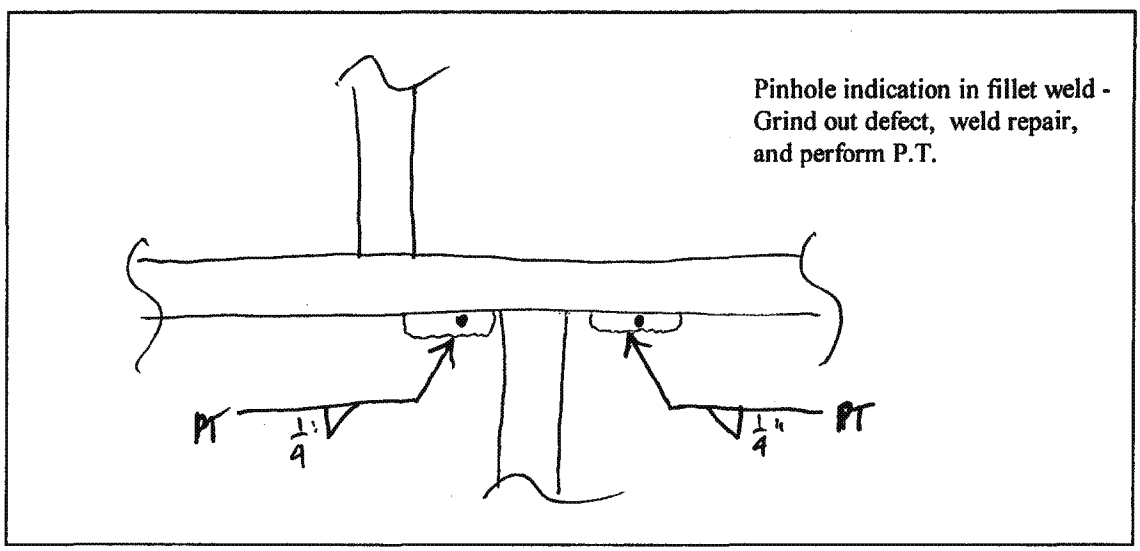
MID ATLANTIC ENVIRONMENTAL	
EMERGENCY REPAIRS FOR RED HILL TANKS	
Tank #7 REPAIR DRAWING	
Repair No.: 011	File:7R011
UPPER DOME	Quadrant: C
Course: A	Plate: 17
Drawn by: Tom Kitchen	Date: 5/4/98

RDHLCC0004614

Dames & Moore
Emergency Repairs For Red Hill Tanks at the Fleet Industrial & Supply Center
Contract No. N62742-96-C-1356

Repair Record

Tank No.: 7 Repair No.: 011 Type: 10 Location: C17 - A



Sketch of Repair Area

Weld Repair

WPS No.: SM1.1-1

Welder ID: John Walsh

NDT Performed: Visual ✓ Vacuum Box _____ Dye Penetrant ✓

Rework Required: N/A

Repair Acceptable: John Zachrell Date Accepted: 4-2-98

Coating Repair

Coating Type: Epoxy

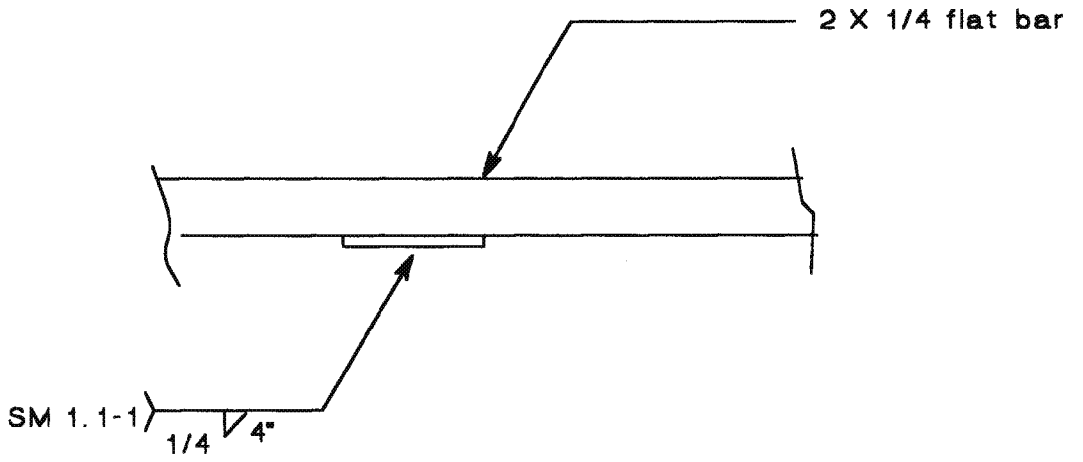
Surface Preparation: ✓ Primer Coat: ✓ Intermediate Coat: ✓ Final Coat: ✓

NDT Performed: Visual: ✓ DFT: ✓ Average DFT: 8-15 mils

Rework Required: N/A

Repair Acceptable: John Zachrell Date Accepted: 4-3-98

Inspected 3/27/98 by JF & TK



TYPE 10 REPAIR

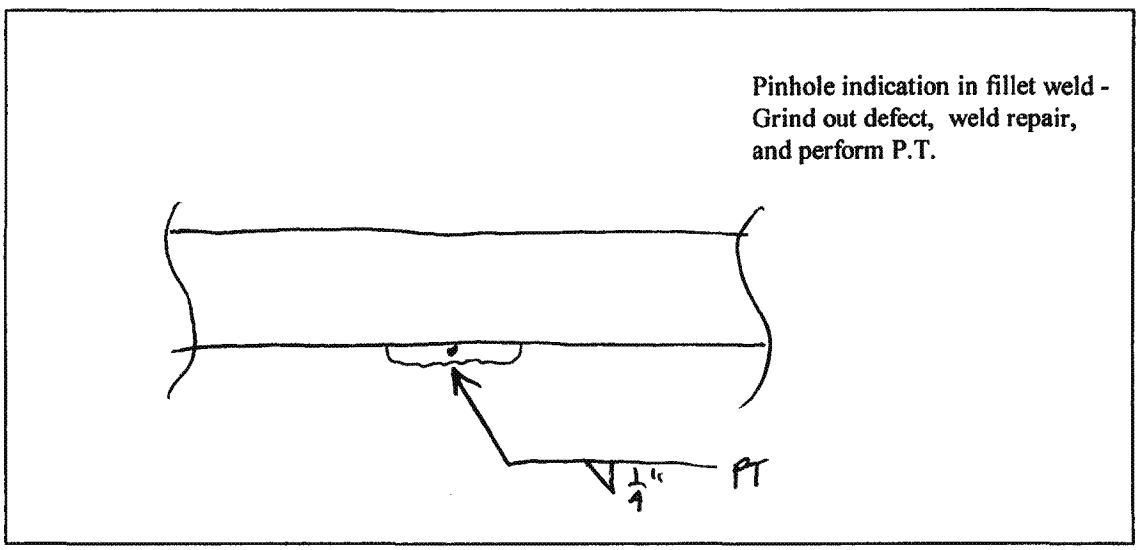
MID ATLANTIC ENVIRONMENTAL	
EMERGENCY REPAIRS FOR RED HILL TANKS	
Tank #7 RECOMMENDED REPAIR DRAWING	
Repair No.: 012	File:7R012
Upper Dome	Quadrant: D
Course: A	Plate: 22
Drawn by: Tom Kitchen	Date: 5/4/98

RDHLCC0004616

Dames & Moore
Emergency Repairs For Red Hill Tanks at the Fleet Industrial & Supply Center
Contract No. N62742-96-C-1356

Repair Record

Tank No.: 7 Repair No.: 012 Type: 10 Location: D22 - A/B



Sketch of Repair Area

Weld Repair

WPS No.: SM1.1-1

Welder ID: John Walsh

NDT Performed: Visual ✓ Vacuum Box _____ Dye Penetrant ✓

Rework Required: N/A

Repair Acceptable: John Zadnell Date Accepted: 4-2-98

Coating Repair

Coating Type: Epoxy

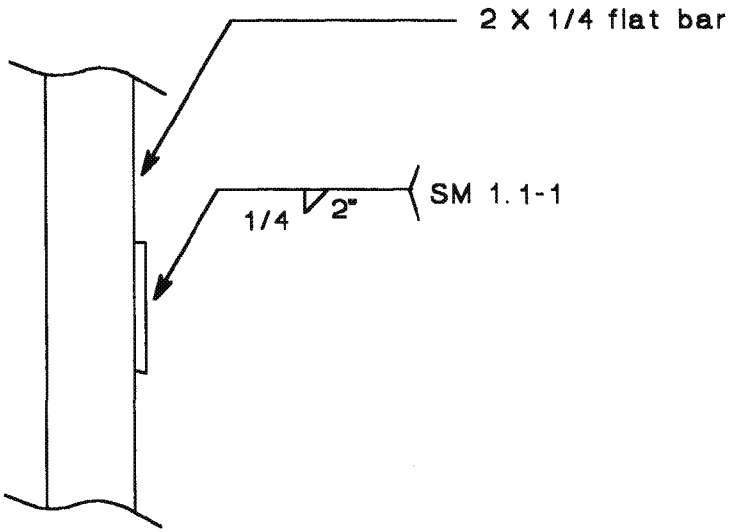
Surface Preparation: ✓ Primer Coat: ✓ Intermediate Coat: ✓ Final Coat: ✓

NDT Performed: Visual: ✓ DFT: ✓ Average DFT: 8-15 mils

Rework Required: N/A

Repair Acceptable: John Zadnell Date Accepted: 4-3-98

Inspected 3/27/98 by JF & TK



TYPE 10 REPAIR

MID ATLANTIC ENVIRONMENTAL	
EMERGENCY REPAIRS FOR RED HILL TANKS	
Tank #7 RECOMMENDED REPAIR DRAWINGS	
Repair No.: 013	File:7R013
Upper Dome	Quadrant: D
Course: A	Plate: 22
Drawn by: Tom Kitchen	Date: 5/4/98

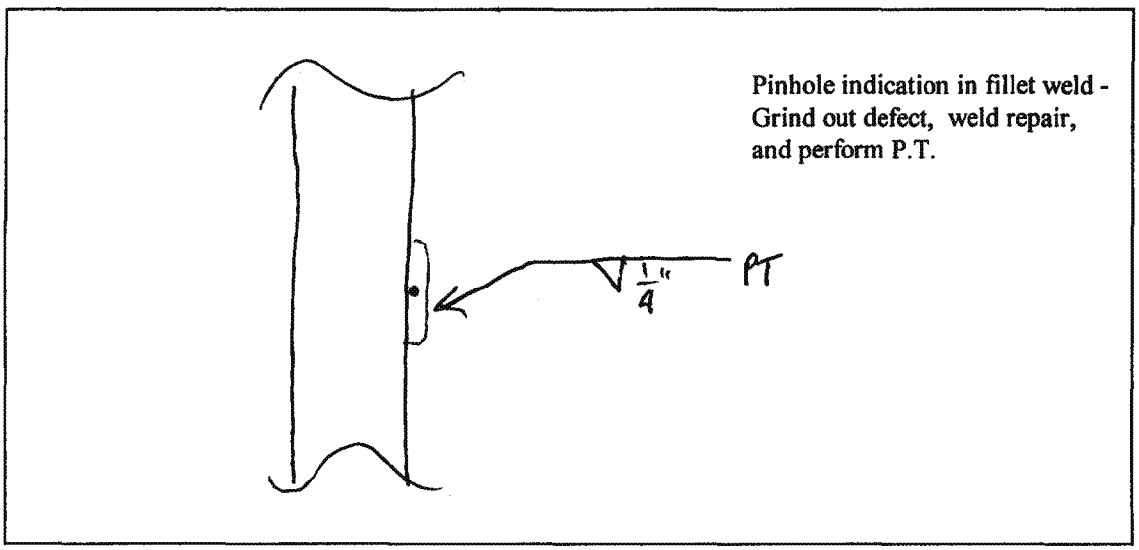
RDHLCC0004618

Dames & Moore

Emergency Repairs For Red Hill Tanks at the Fleet Industrial & Supply Center
Contract No. N62742-96-C-1356

Repair Record

Tank No.: 7 Repair No.: 013 Type: 10 Location: D22-A



Sketch of Repair Area

Weld Repair

WPS No.: SM1.1-1

Welder ID: John Walsh

NDT Performed: Visual ✓ Vacuum Box _____ Dye Penetrant ✓

Rework Required: N/A

Repair Acceptable: [signature] Date Accepted: 4-2-98

Coating Repair

Coating Type: Epoxy

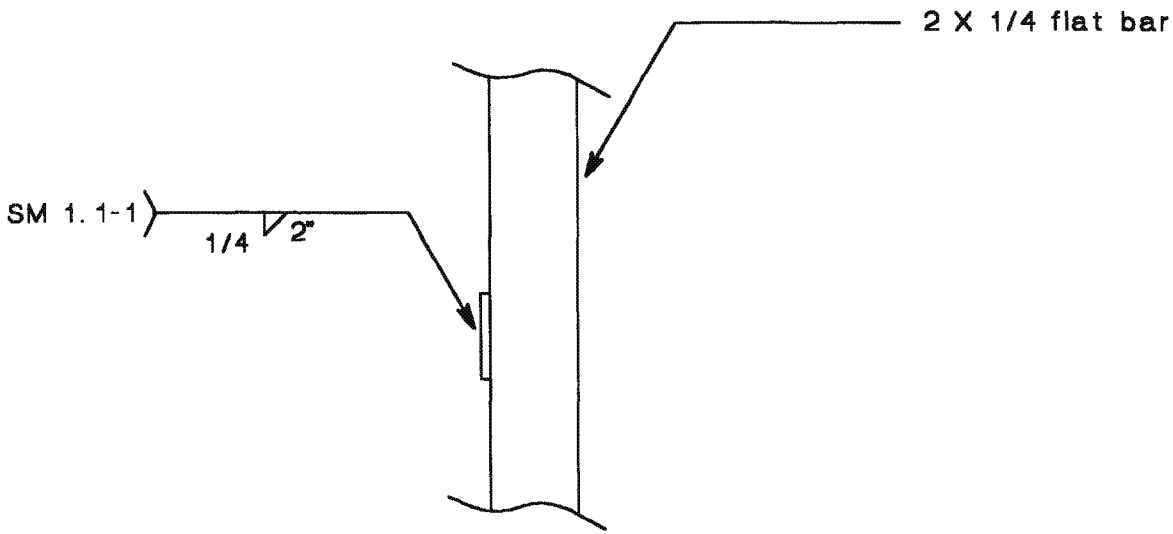
Surface Preparation: ✓ Primer Coat: ✓ Intermediate Coat: ✓ Final Coat: ✓

NDT Performed: Visual: ✓ DFT: ✓ Average DFT: 8-15 mils

Rework Required: N/A

Repair Acceptable: [signature] Date Accepted: 4-3-98

Inspected 3/27/98 by JF & TK



TYPE 10 REPAIR

MID ATLANTIC ENVIRONMENTAL	
EMERGENCY REPAIRS FOR RED HILL TANKS	
Tank #7 RECOMMENDED REPAIR DRAWINGS	
Repair No.: 014	File:7R014
Upper Dome	Quadrant: D
Course: A	Plate: 21
Drawn by: Tom Kitchen	Date: 5/4/98

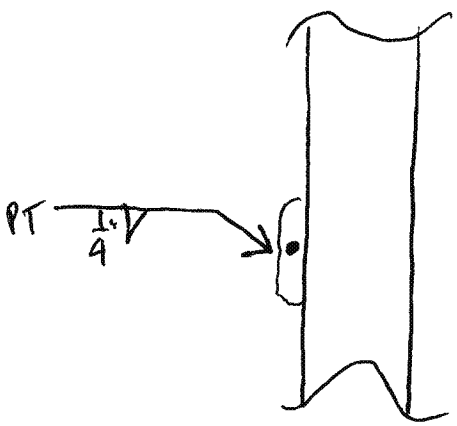
RDHLCC0004620

Dames & Moore

Emergency Repairs For Red Hill Tanks at the Fleet Industrial & Supply Center
Contract No. N62742-96-C-1356

Repair Record

Tank No.: 7 Repair No.: 014 Type: 10 Location: D21 - A



Pinhole indication in fillet weld - Grind out defect, weld repair, and perform P.T.

Sketch of Repair Area

Weld Repair

WPS No.: SM1.1-1

Welder ID: John Walsh

NDT Performed: Visual ✓ Vacuum Box ____ Dye Penetrant ✓

Rework Required: N/A

Repair Acceptable: John Zachrell Date Accepted: 4-2-98

Coating Repair

Coating Type: Epoxy

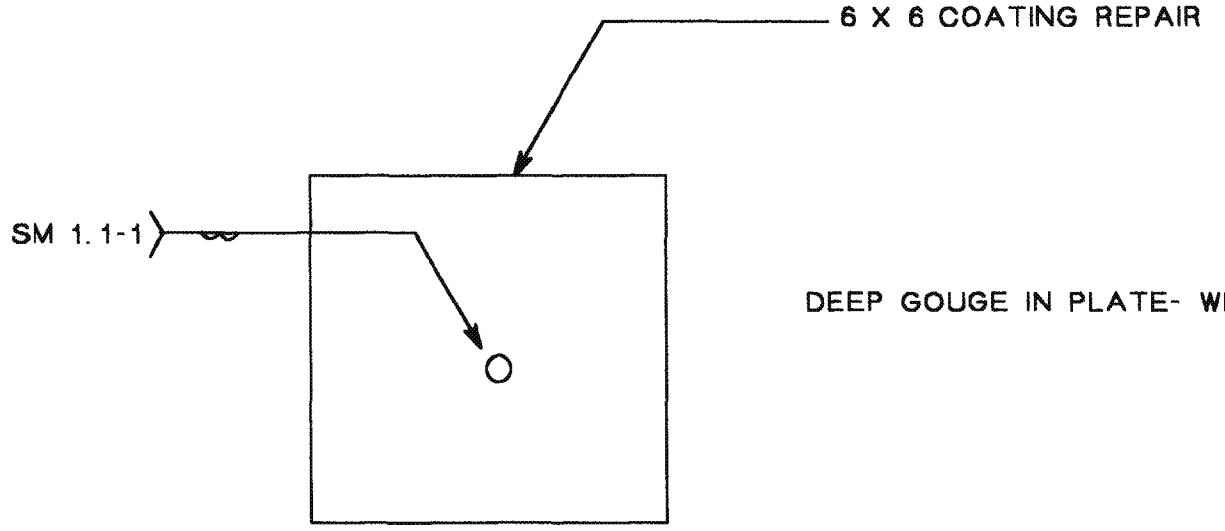
Surface Preparation: ✓ Primer Coat: ✓ Intermediate Coat: ✓ Final Coat: ✓

NDT Performed: Visual: ✓ DFT: ✓ Average DFT: 8-15 mils

Rework Required: N/A

Repair Acceptable: John Zachrell Date Accepted: 4-3-98

Inspected 3/27/98 by JF & TK



DEEP GOUGE IN PLATE- WELD OVERLAY AND RECOAT

TYPE 2 REPAIR

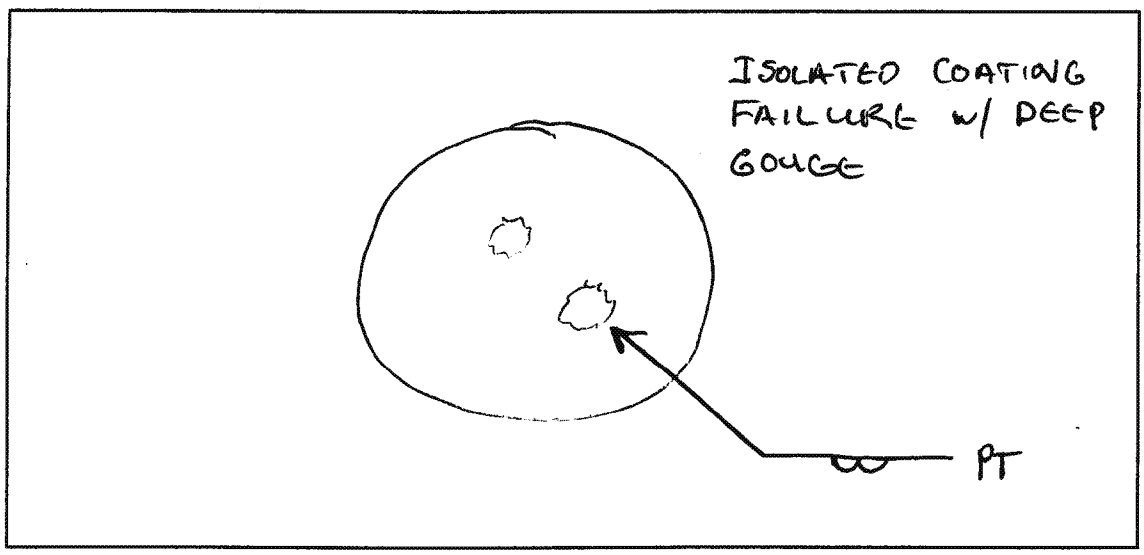
MID ATLANTIC ENVIRONMENTAL	
EMERGENCY REPAIRS FOR RED HILL TANKS	
Tank #7 RECOMMENDED REPAIR DRAWINGS	
Repair No.: 015	File:7R015
Upper Dome	Quadrant: D
Course: A	Plate: 21
Drawn by: Tom Kitchen	Date: 5/4/98

RDHLCC0004622

Dames & Moore
Emergency Repairs For Red Hill Tanks at the Fleet Industrial & Supply Center
Contract No. N62742-96-C-1356

Repair Record

Tank No.: 7 Repair No.: 015 Type: 82 Location: D 21 - A



Sketch of Repair Area

Weld Repair ~~N/A~~

WPS No.: SM 1.1 - 1

Welder ID: John Walsh

NDT Performed: Visual ✓ Vacuum Box _____ Dye Penetrant ✓

Rework Required: N/A

Repair Acceptable: John Zackrell Date Accepted: 4-2-98

Coating Repair

Coating Type: Epoxy

Surface Preparation: ✓ Primer Coat: ✓ Intermediate Coat: ✓ Final Coat: ✓

NDT Performed: Visual: ✓ DFT: ✓ Average DFT: 8-15 mils

Rework Required: N/A

Repair Acceptable: John Zackrell Date Accepted: 4-3-98