
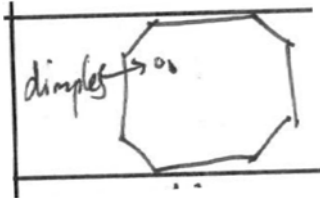


COUPON SPECIFICS		
Coupon ID	1	<b>1</b>
Coupon Location	14-UD-A-42-45-107	
Coupon Dimensions	12" * 12"	
Coupon Thickness	¼" (NDE: minimum 0.147")	Prove-up: minimum 0.112"
Locations of Welds	None	


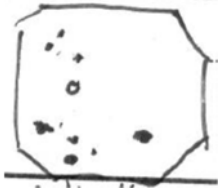
**ON SITE VISUAL EXAMINATION**



Checks	Observations	
	Exterior	Interior
Deposits, Coatings, Debris	Deposits	Standard coating with paint
Scale	None	None
Observed Biological Material	None	None
Wet or Dry	Wet	Dry
Smell	Damp, burnt	Burnt
Presence of petroleum product between steel and concrete surface, and on or above the leg of the angle backer bar embedded in the concrete	No	No
Provide a sketch of the coupon showing all indications. Provide ID#s for all indications on coupon and compare with NDE expected results sketch	 Corrosion found, as expected, but no pits	
Presence of corrosion	Yes	No
Isolated pitting	No	No
Isolated pitting within areas of general corrosion	No	No
Linked pitting within areas of general corrosion	No	No
Identify color of corrosion products	Brown	N/A
Identify if selected attack at welds	N/A	N/A





Provide photo documentation with a minimum resolution of 2560 x 1920 of the coupon, front and back.		
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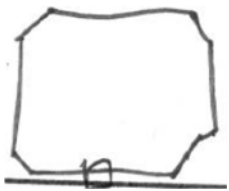

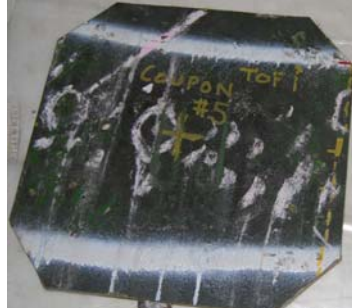
COUPON SPECIFICS		
Coupon ID	2	<b>2</b>
Coupon Location	14-ER-E3-12-33-40	
Coupon Dimensions	12" * 12"	
Coupon Thickness	¼" (NDE: minimum 0.157")	Prove-up: minimum 0.150"
Locations of Welds	None	


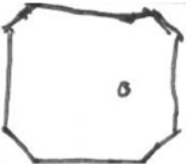


**ON SITE VISUAL EXAMINATION**

Checks	Observations	
	Exterior	Interior
Deposits, Coatings, Debris	Lots of deposits and coatings	Regular coating
Scale	None	None
Observed Biological Material	None	None
Wet or Dry	Wet	Dry
Smell	Thick, burnt, musty, muddy	Burnt but less intense than exterior
Presence of petroleum product between steel and concrete surface, and on or above the leg of the angle backer bar embedded in the concrete	No	No
Provide a sketch of the coupon showing all indications. Provide ID#s for all indications on coupon and compare with NDE expected results sketch	 Backside corrosion and pits found, as expected	
Presence of corrosion	Yes	Yes
Isolated pitting	Yes	Yes
Isolated pitting within areas of general corrosion	Yes	No (pit is not in area of general corrosion)
Linked pitting within areas of general corrosion	No	No
Identify color of corrosion products	Brown, black, gray	Brown
Identify if selected attack at welds	N/A	N/A

Provide photo documentation with a minimum resolution of 2560 x 1920 of the coupon, front and back.		
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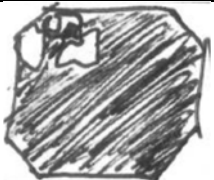
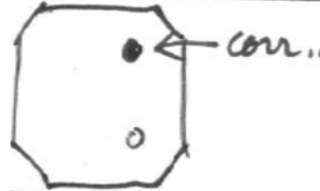
COUPON SPECIFICS		
Coupon ID	3	<b>3</b>
Coupon Location	14-ER-E3-13-9-18	
Coupon Dimensions	12" * 12"	
Coupon Thickness	¼" (NDE: minimum 0.033")	(No prove-up-phase thickness)
Locations of Welds	None	
ON SITE VISUAL EXAMINATION		
Checks	Observations	
	Exterior	Interior
Deposits, Coatings, Debris	Thick, brown, grey deposits	Standard coating with paint
Scale	None	None
Observed Biological Material	None	None
Wet or Dry	Wet	Dry
Smell	Burnt, like wax or coconut oil	None
Presence of petroleum product between steel and concrete surface, and on or above the leg of the angle backer bar embedded in the concrete	[Field notes say "Yes," but that is a misunderstanding. Moisture was corrosion product, not petroleum product. Please see concrete notes for Coupon 3]	No
Provide a sketch of the coupon showing all indications. Provide ID#s for all indications on coupon and compare with NDE expected results sketch	 <p>Corrosion found, despite expectation of manufacturing flaw only. No horizontal flaw on actual coupon</p>	
Presence of corrosion	Yes	Yes
Isolated pitting	Yes	Yes
Isolated pitting within areas of general corrosion	Yes	No
Linked pitting within areas of general corrosion	No	No
Identify color of corrosion products	White, brown	Brown
Identify if selected attack at welds	N/A	N/A
Provide photo documentation with a minimum resolution of 2560 x 1920 of the coupon, front and back.		

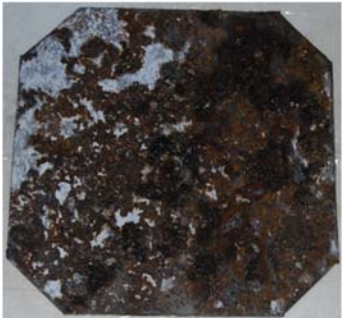

COUPON SPECIFICS		
Coupon ID	5	<b>5</b>
Coupon Location	14-BA-26-15-15-8	
Coupon Dimensions	12" * 12"	
Coupon Thickness	¼" (NDE: minimum 0.047")	
Locations of Welds	None	
ON SITE VISUAL EXAMINATION		
Checks	Observations	
	Exterior	Interior
Deposits, Coatings, Debris	Concrete layer, thin	Standard coating
Scale	None	None
Observed Biological Material	None	None
Wet or Dry	Dry	Dry
Smell	Burnt	Burnt
Presence of petroleum product between steel and concrete surface, and on or above the leg of the angle backer bar embedded in the concrete	No	No
Provide a sketch of the coupon showing all indications. Provide ID#s for all indications on coupon and compare with NDE expected results sketch	 <p>Corrosion found, as expected (writing says "horiz bulge")</p>	
Presence of corrosion	Yes	No
Isolated pitting	No	No
Isolated pitting within areas of general corrosion	No	No
Linked pitting within areas of general corrosion	No	No
Identify color of corrosion products	Brown	N/A
Identify if selected attack at welds	N/A	N/A
Provide photo documentation with a minimum resolution of 2560 x 1920 of the coupon, front and back.		

COUPON SPECIFICS		
Coupon ID	6	<b>6</b>
Coupon Location	14-BA-24-8-36-30	
Coupon Dimensions	12" * 12"	
Coupon Thickness	¼" (NDE: No reported thickness; greater than 0.200")	(No prove-up-phase thickness)
Locations of Welds	None	
ON SITE VISUAL EXAMINATION		
Checks	Observations	
	Exterior	Interior
Deposits, Coatings, Debris	Scrapes	Standard coating
Scale	Concrete	None
Observed Biological Material	None	None
Wet or Dry	Dry	Dry
Smell	Burnt	Burnt
Presence of petroleum product between steel and concrete surface, and on or above the leg of the angle backer bar embedded in the concrete	No	No
Provide a sketch of the coupon showing all indications. Provide ID#s for all indications on coupon and compare with NDE expected results sketch	 <p>Small amount of corrosion found, although no indication was found in NDE and sketch</p>	
Presence of corrosion	Yes, small	Yes, tiny
Isolated pitting	No	No
Isolated pitting within areas of general corrosion	No	No
Linked pitting within areas of general corrosion	No	No
Identify color of corrosion products	Brown	Brown
Identify if selected attack at welds	N/A	N/A
Provide photo documentation with a minimum resolution of 2560 x 1920 of the coupon, front and back.		

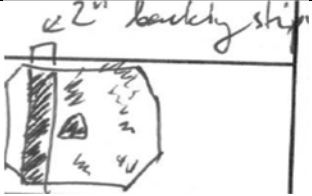
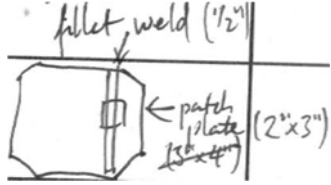


COUPON SPECIFICS		
Coupon ID	7	<b>7</b>
Coupon Location	14-BA-23-7-38-49	
Coupon Dimensions	12" * 12"	
Coupon Thickness	¼" (NDE: minimum 0.157")	Prove-up: minimum 0.135"
Locations of Welds	None	

**ON SITE VISUAL EXAMINATION**

Checks	Observations	
	Exterior	Interior
Deposits, Coatings, Debris	Lots of general corrosion	Standard coating
Scale	Yes, thick, varied	None
Observed Biological Material	None	None
Wet or Dry	Wet	Dry
Smell	Burnt, damp	Burnt
Presence of petroleum product between steel and concrete surface, and on or above the leg of the angle backer bar embedded in the concrete	No	No
Provide a sketch of the coupon showing all indications. Provide ID#s for all indications on coupon and compare with NDE expected results sketch	 Lots of corrosion found, as expected	
Presence of corrosion	Yes	Yes
Isolated pitting	Yes	No
Isolated pitting within areas of general corrosion	Yes	No
Linked pitting within areas of general corrosion	No	No
Identify color of corrosion products	Brown, black	Brown
Identify if selected attack at welds	N/A	N/A

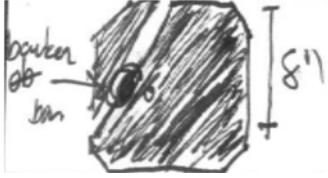

Provide photo documentation with a minimum resolution of 2560 x 1920 of the coupon, front and back.		
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COUPON SPECIFICS		
Coupon ID	8	<b>8</b>
Coupon Location	14-BA-20-13-236-43	
Coupon Dimensions	12" * 12"	
Coupon Thickness	¼" (NDE: minimum 0.069")	Prove-up: minimum 0.200"
Locations of Welds	About 2" from right edge of front face (interior face)	
ON SITE VISUAL EXAMINATION		
Checks	Observations	
	Exterior	Interior
Deposits, Coatings, Debris	White coating	Standard coating with pink, white paint
Scale	None	None
Observed Biological Material	None	None
Wet or Dry	Dry	Dry
Smell	Burnt metal	Fuel-like
Presence of petroleum product between steel and concrete surface, and on or above the leg of the angle backer bar embedded in the concrete	No	No
Provide a sketch of the coupon showing all indications. Provide ID#s for all indications on coupon and compare with NDE expected results sketch	 <p>Manufacturing flaw and slight corrosion found, as expected.</p>	
Presence of corrosion	Yes	No
Isolated pitting	Yes (Pit 1: 5" from left, 2" from top) (Pit 2: 7" from left, 5" from top)	No
Isolated pitting within areas of general corrosion	Yes	No
Linked pitting within areas of general corrosion	No	No
Identify color of corrosion products	Brown	No
Identify if selected attack at welds	Yes	N/A
Provide photo documentation with a minimum resolution of 2560 x 1920 of the coupon, front and back.		

COUPON SPECIFICS		
Coupon ID	10	<b>10</b>
Coupon Location	14-LD-3-9-24-215	
Coupon Dimensions	12" * 12"	
Coupon Thickness	¼" (NDE: minimum 0.198")	Prove-up: minimum 0.200"
Locations of Welds	None	

**ON SITE VISUAL EXAMINATION**


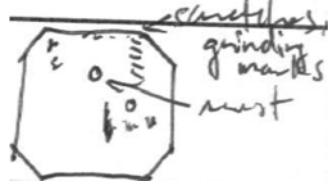


Checks	Observations	
	Exterior	Interior
Deposits, Coatings, Debris	Coal-tar-like	Lots of surface debris
Scale	None	None
Observed Biological Material	None	None
Wet or Dry	Wet	Dry
Smell	Coal-tar-like	None
Presence of petroleum product between steel and concrete surface, and on or above the leg of the angle backer bar embedded in the concrete	No	No
Provide a sketch of the coupon showing all indications. Provide ID#s for all indications on coupon and compare with NDE expected results sketch	 <p>Only minor corrosion found, as expected. Black substance was not expected in sketch</p>	
Presence of corrosion	Yes (small)	Yes
Isolated pitting	No	Yes
Isolated pitting within areas of general corrosion	No	No
Linked pitting within areas of general corrosion	No	No
Identify color of corrosion products	Brown	Brown
Identify if selected attack at welds	N/A	N/A

Provide photo documentation with a minimum resolution of 2560 x 1920 of the coupon, front and back.		
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COUPON SPECIFICS		
Coupon ID	A1	<b>A1</b>
Coupon Location	14-BA-23-9-95-50	
Coupon Dimensions	12" * 12"	
Coupon Thickness	¼" (NDE: minimum 0.134")	(no prove-up-phase thickness)
Locations of Welds	None	

**ON SITE VISUAL EXAMINATION**

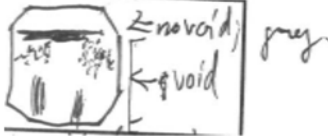
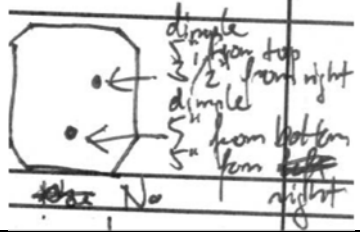
Checks	Observations	
	Exterior	Interior
Deposits, Coatings, Debris	Abundant corrosion product	Standard coating
Scale	None	None
Observed Biological Material	None	None
Wet or Dry	Dry	Dry
Smell	Burnt, musty	Burnt
Presence of petroleum product between steel and concrete surface, and on or above the leg of the angle backer bar embedded in the concrete	No	No
Provide a sketch of the coupon showing all indications. Provide ID#s for all indications on coupon and compare with NDE expected results sketch	 <p>General and pitting corrosion found, as expected (Writing: "corrosion" and "calcareous passivating deposit")</p>	 <p>(Writing: "scratches, grinding marks" and "rust")</p>
Presence of corrosion	Yes	Yes
Isolated pitting	Yes (Pit: 7.5" from left, 2.5" from top)	No
Isolated pitting within areas of general corrosion	Yes	No
Linked pitting within areas of general corrosion	Yes	No
Identify color of corrosion products	Dark brown	Brown
Identify if selected attack at welds	Yes	N/A
Provide photo documentation with a minimum resolution of 2560 x 1920 of the coupon, front and back.		

Thu, 21 Jun 2018, 10:30 PM

**COUPON SPECIFICS**

Coupon ID	A2	<b>A2</b>
Coupon Location	14-BA-11-4-226-50	
Coupon Dimensions	12" * 12"	
Coupon Thickness	¼" (NDE: minimum 0.161")	(no prove-up-phase thickness)
Locations of Welds	None	

**ON SITE VISUAL EXAMINATION**

Checks	Observations	
	Exterior	Interior
Deposits, Coatings, Debris	Thin concrete film on 50% of surface	Standard coating
Scale	None	None
Observed Biological Material	None	None
Wet or Dry	Dry	Dry
Smell	None	None
Presence of petroleum product between steel and concrete surface, and on or above the leg of the angle backer bar embedded in the concrete	No	No
Provide a sketch of the coupon showing all indications. Provide ID#s for all indications on coupon and compare with NDE expected results sketch	 <p>General metal loss and general corrosion found, as expected</p>	
Presence of corrosion	Yes, general	No
Isolated pitting	No	No
Isolated pitting within areas of general corrosion	No	No
Linked pitting within areas of general corrosion	No	No
Identify color of corrosion products	Brown	N/A
Identify if selected attack at welds	N/A	N/A
Provide photo documentation with a minimum resolution of 2560 x 1920 of the coupon, front and back.	