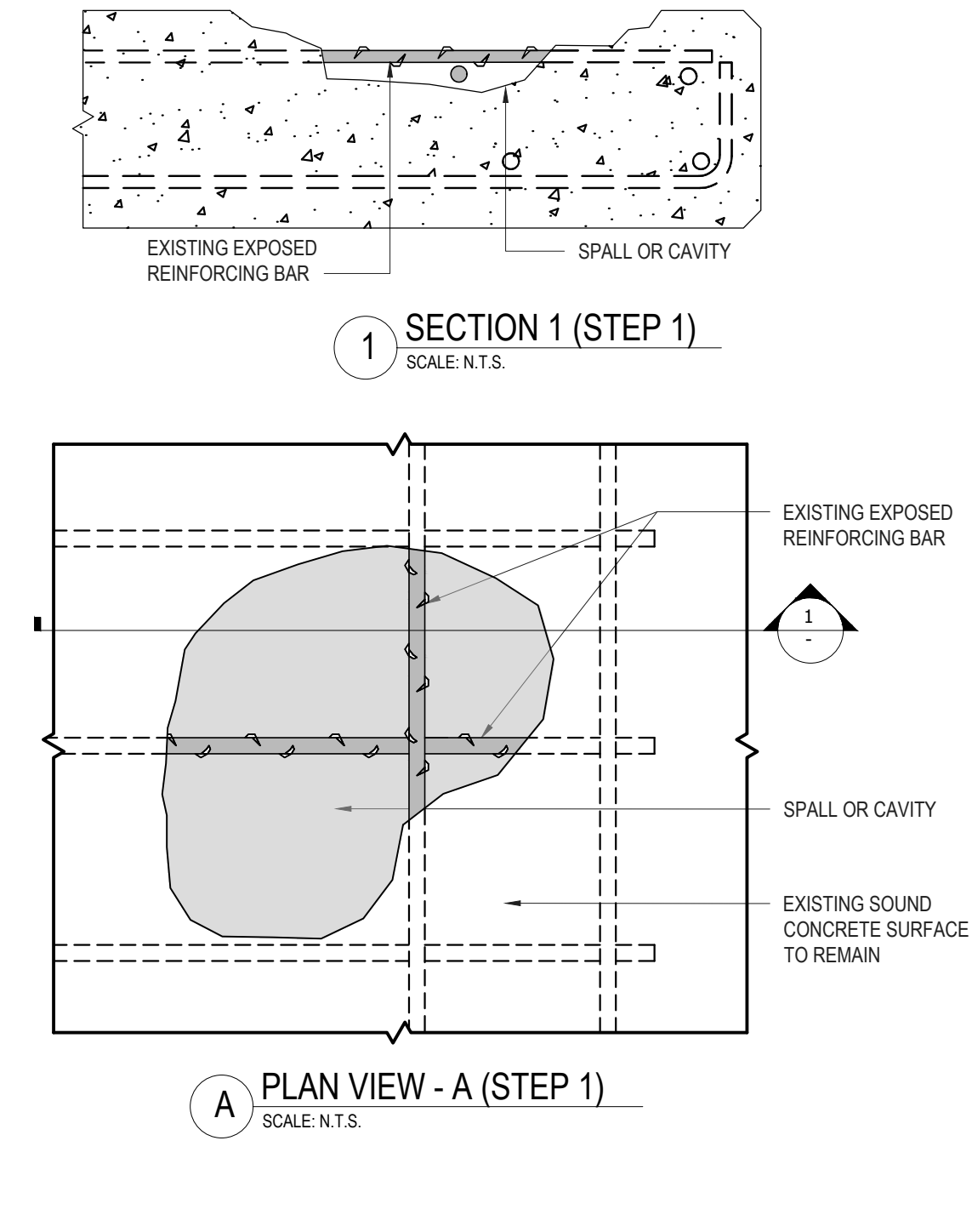
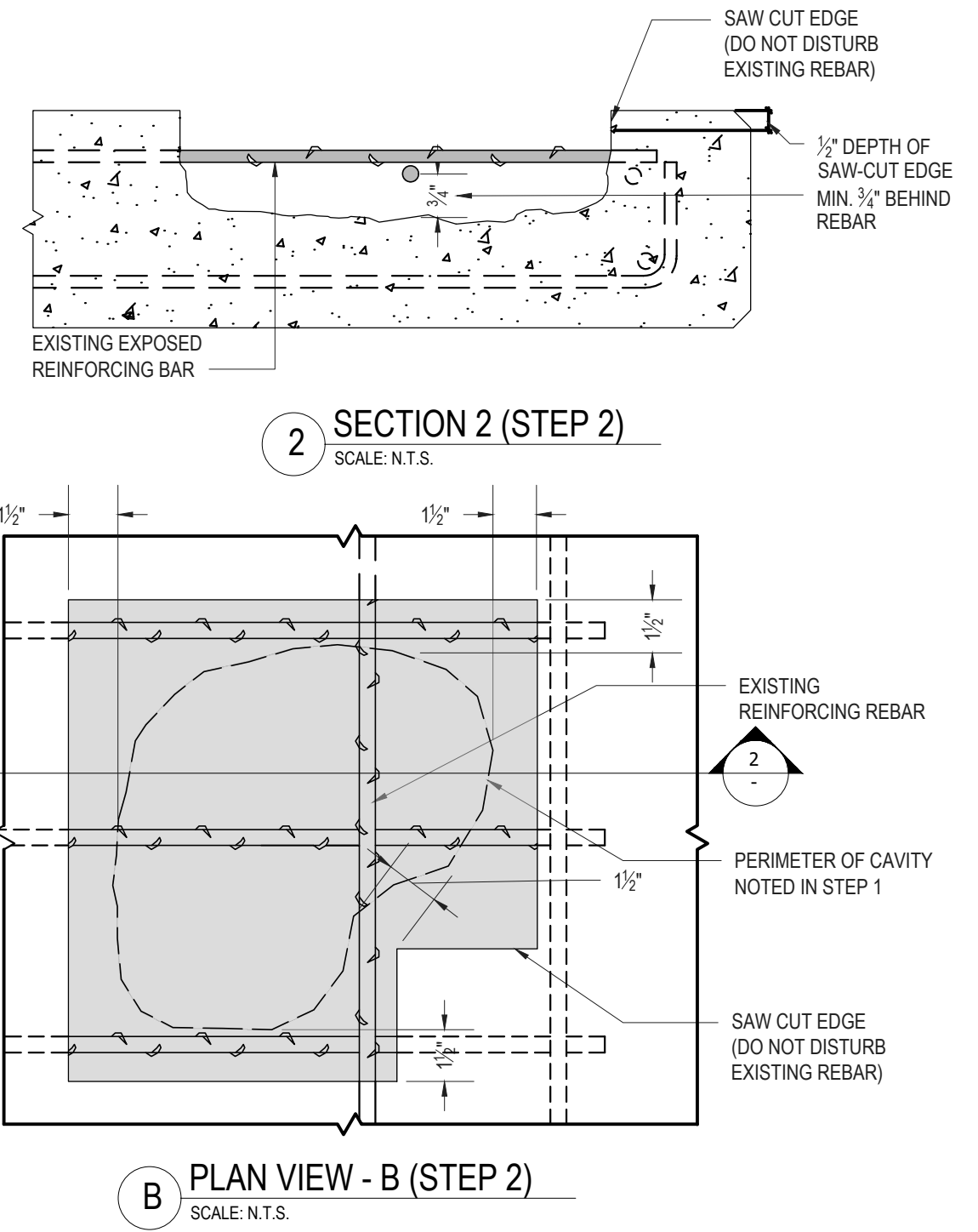


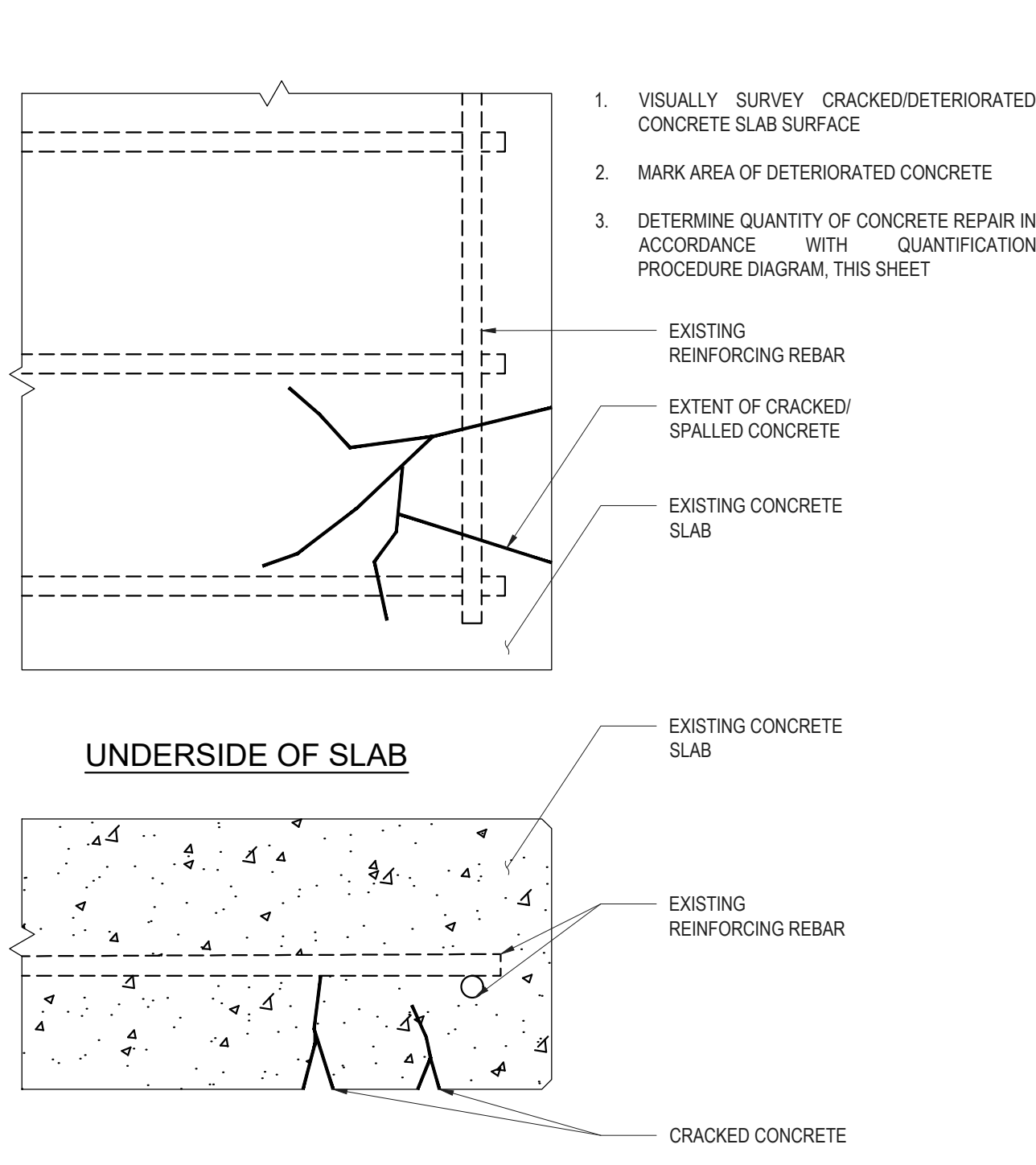
**STEP 1: IDENTIFICATION OF DETERIORATED CONCRETE**



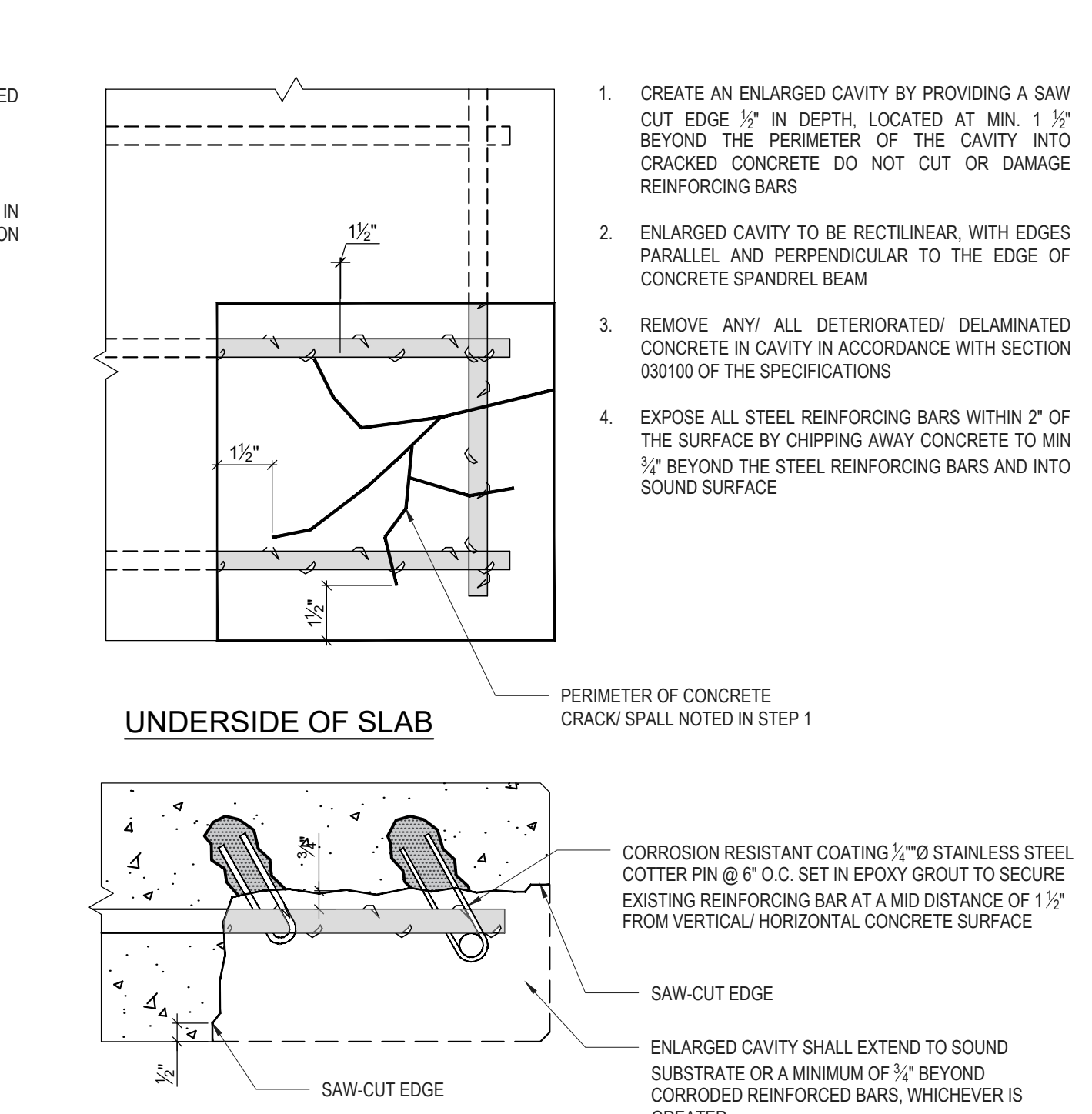
**STEP 2: CUTTING AND REMOVAL OF CONCRETE**



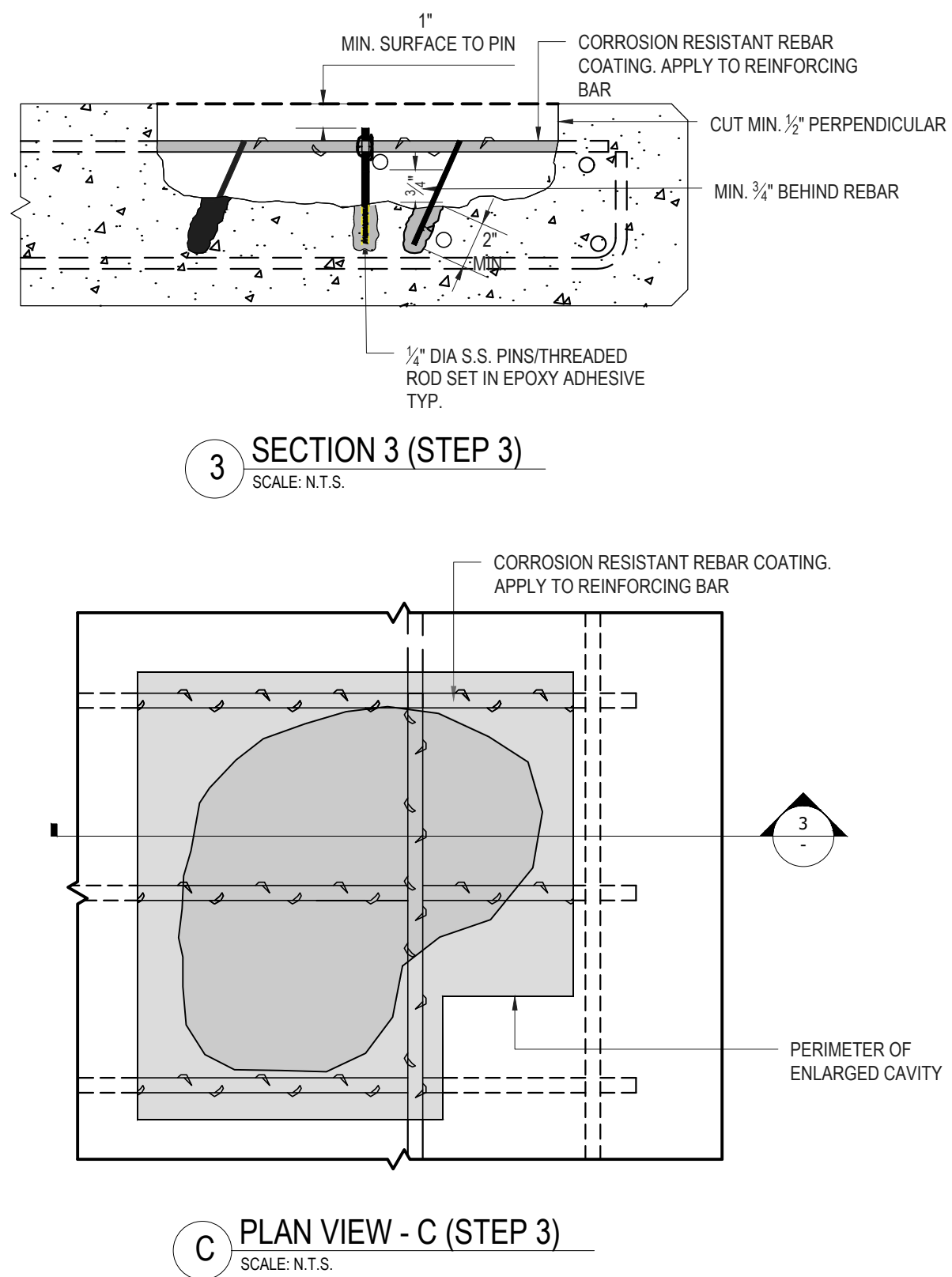
**STEP 1: IDENTIFICATION OF DETERIORATED CONCRETE**



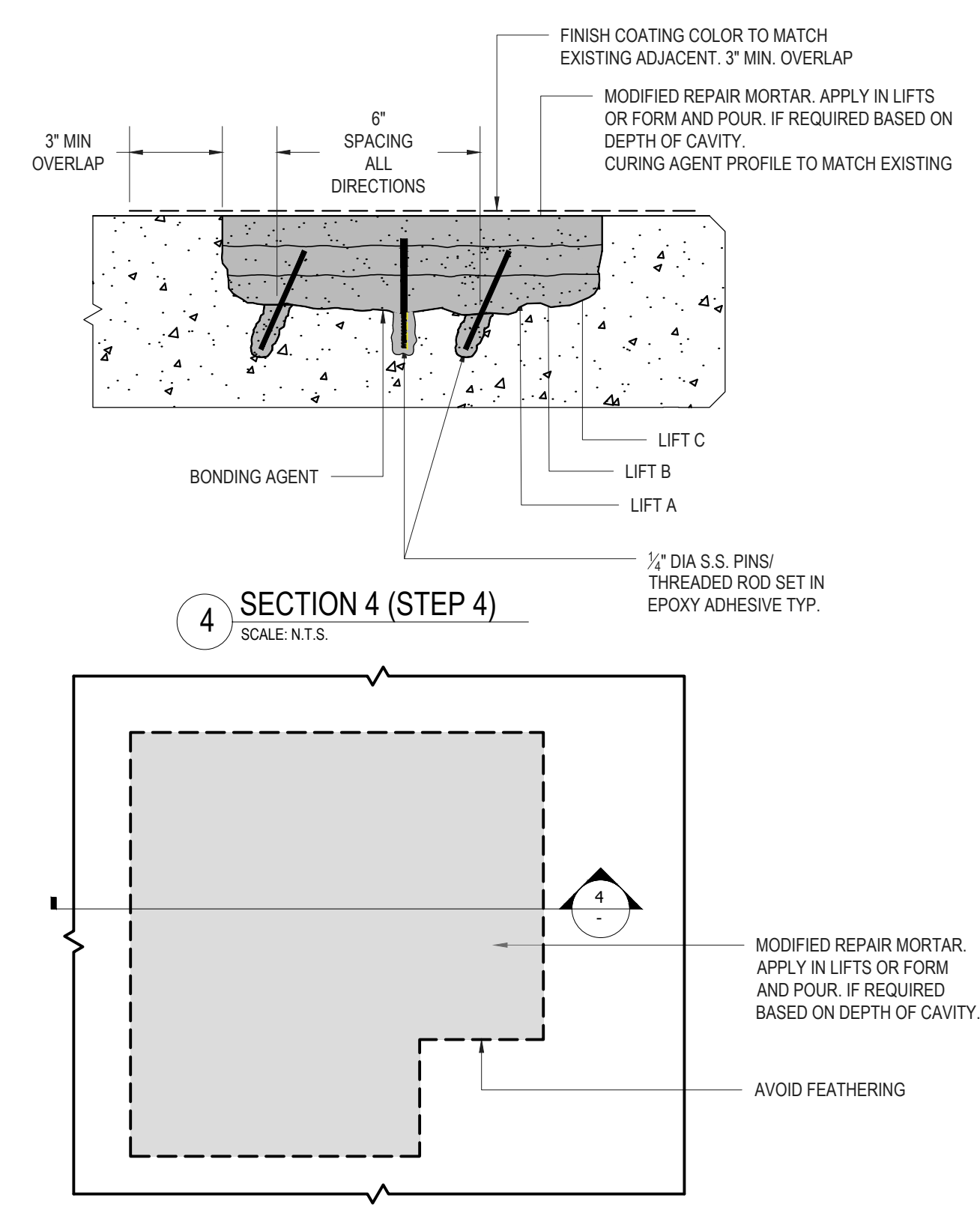
**STEP 2: CUTTING AND REMOVAL OF CONCRETE**



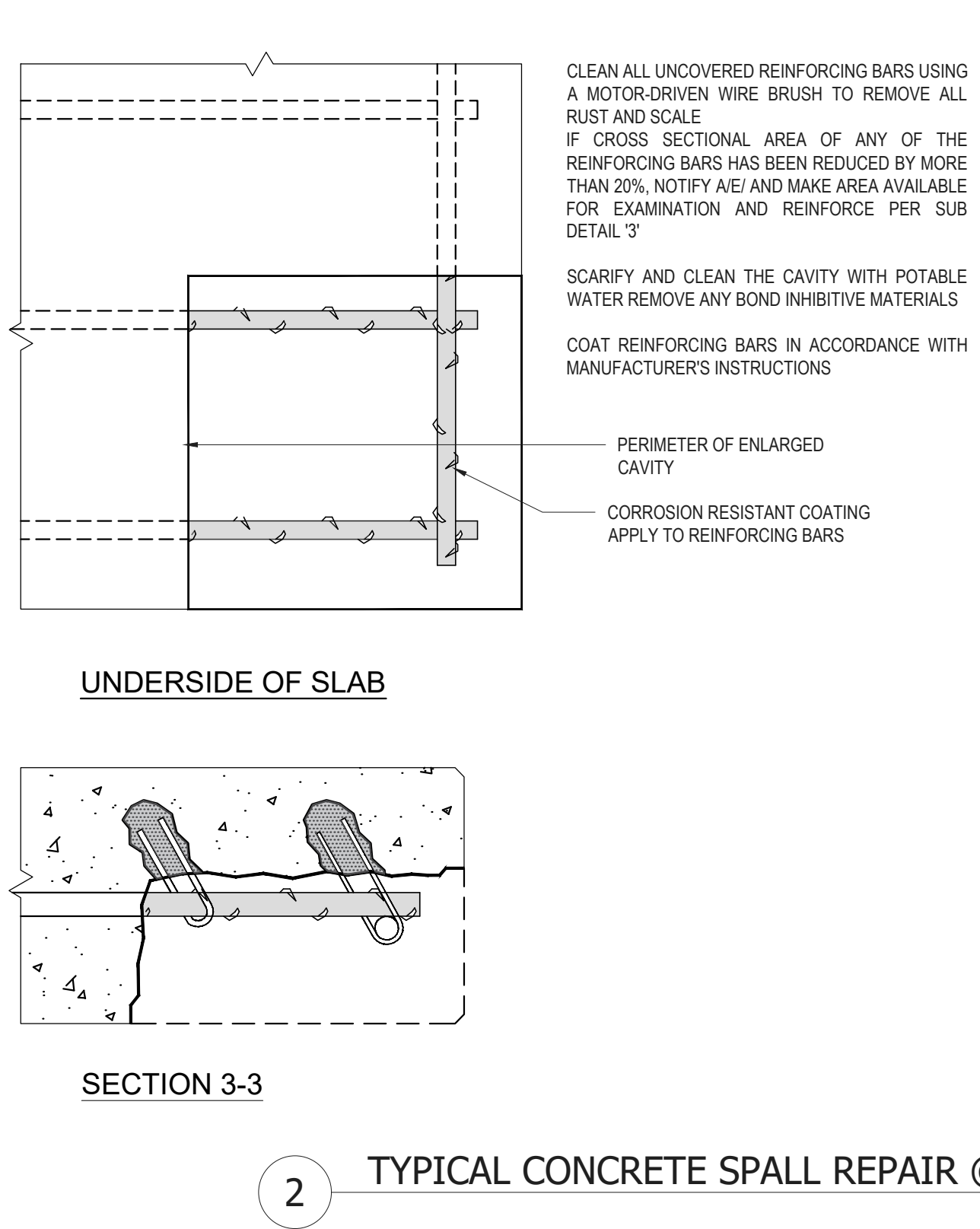
**STEP 3: SURFACE PREPARATION**



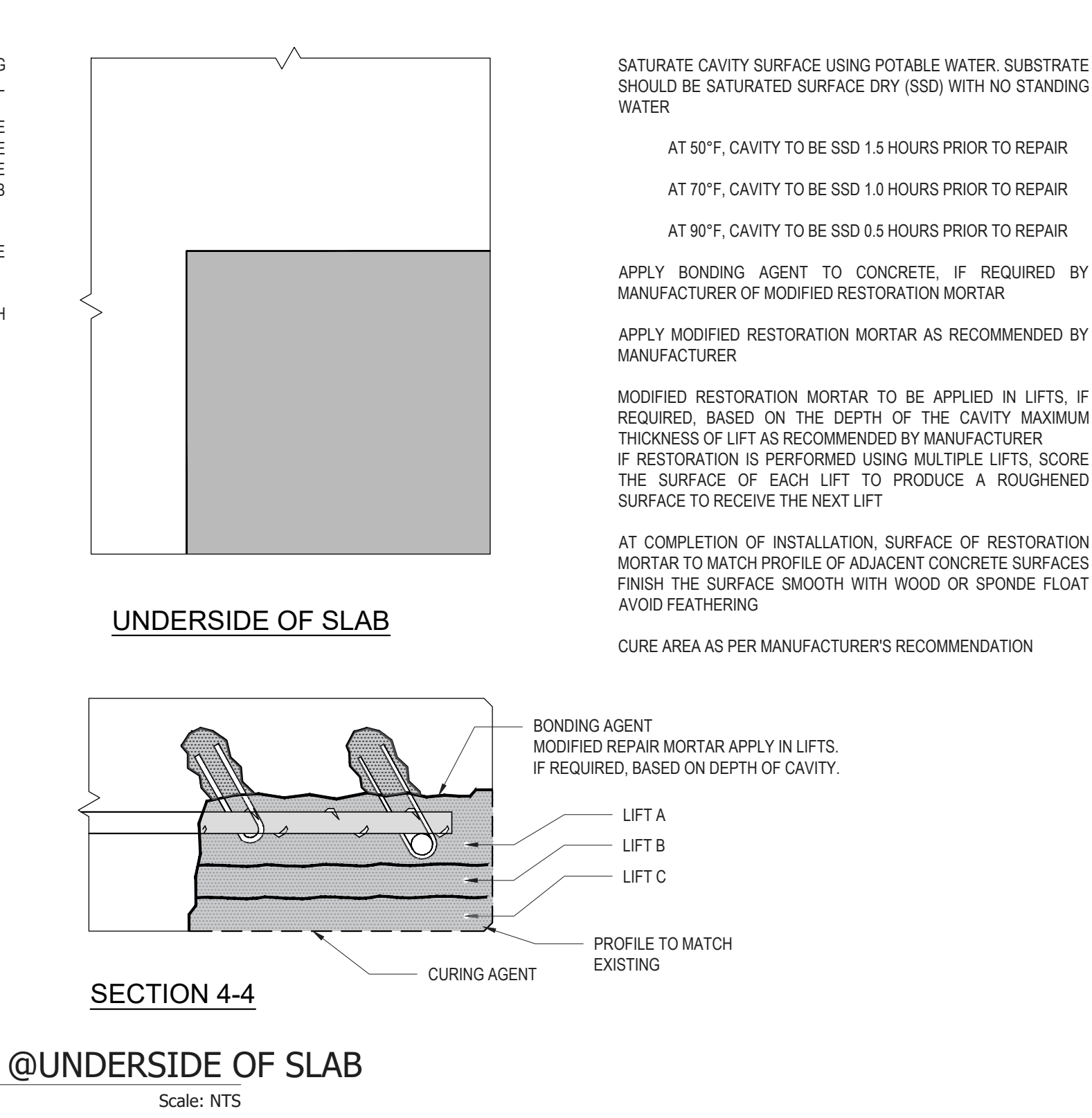
**STEP 4: MODIFIED RESTORATION MORTAR INSTALLATION**



**STEP 3: SURFACE PREPARATION**



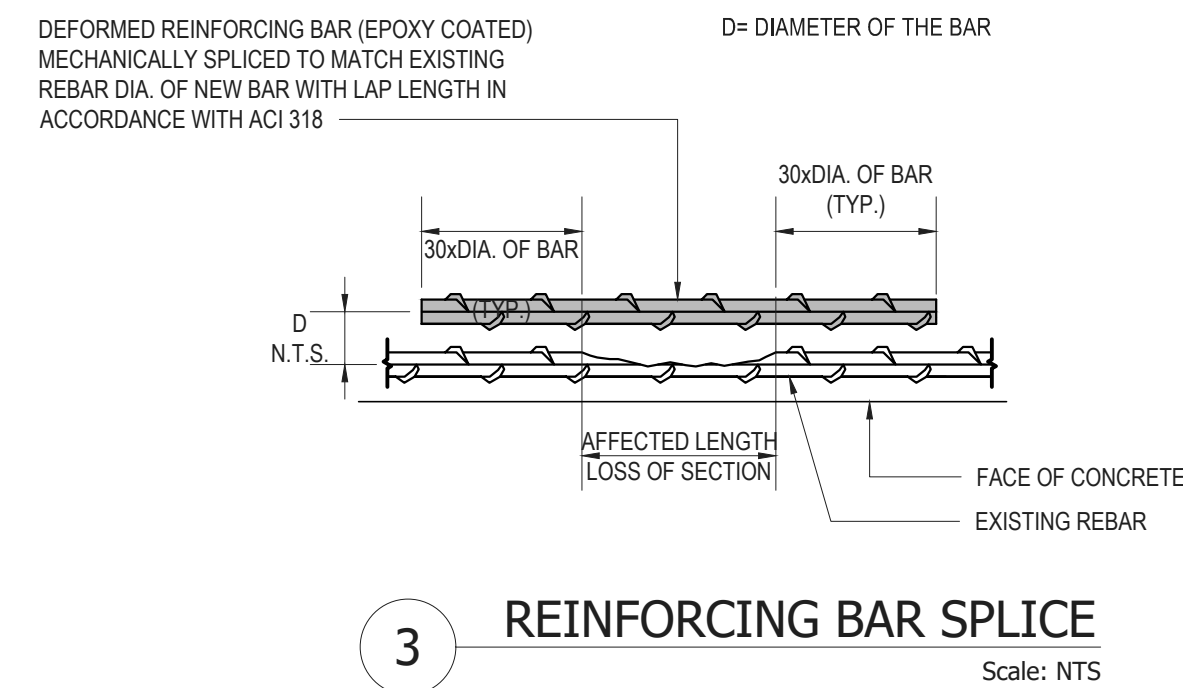
**STEP 4: MODIFIED RESTORATION MORTAR INSTALLATION**



- REPAIR PROCEDURE:**
- SOUND ALL CONCRETE SLAB WITH 3 LB DEAD BLOW HAMMER AT APPROXIMATELY 2'-3" O.C. MARK AREA FOR DELAMINATION
  - AT 1/2" MIN AWAY FROM THE MARKED AREA, SAW CUT EXISTING CONCRETE UP TO 1/2" DEEP MIN. REMOVE DECAYED CONCRETE WITHOUT CREATING MICRO CRACKS IN BASE CONCRETE.
  - EXPOSE ALL STEEL REINFORCING BARS WITHIN 2" OF THE SURFACE BY CHIPPING AWAY CONCRETE TO MIN. 1/2" BEYOND THE STEEL REINFORCING BAR AND INTO SOUND SURFACE.
  - CLEAN ALL AREAS TO BE PATCHED, INCLUDING REBARS, USING POWER WIRE BRUSH. VACUUM CLEAN AND PREPARE THE CAVITY AS PER PATCHING COMPOUND MANUFACTURER'S INSTRUCTIONS.
  - PAINT ALL CLEANED REINFORCING BARS WITH ANTI-CORROSIIVE COATING IMMEDIATELY AFTER CLEANING.
  - WHENEVER THE DEPTH OF SPALL IS 2" OR MORE, PROVIDE 1/2" DIA. 2" OR LONGER S.S. PINS IN THE BASE CONCRETE AT 6" O.C. WITH 2" MINIMUM EMBEDMENT.
  - PRIME ALL AREAS TO BE PATCHED WITH BONDING COAT AS PER MANUFACTURER'S INSTRUCTIONS.
  - TROWEL THE PATCHING COMPOUND IN LAYERS AS PER MANUFACTURER'S RECOMMENDATIONS. THE NUMBER OF LAYERS AND THICKNESS SHALL VARY ACCORDING TO THE DEPTH AND EXTENT OF THE SPALL TO BE REPAIRED. THE FINAL LAYER SHALL BE CAREFULLY TOOLED FLUSH AND SMOOTH WITH THE ADJACENT EXISTING SURFACES. CURE REPAIRED SURFACES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
  - COAT ALL REPAIRED AND/OR EXPOSED CONCRETE WITH PROTECTIVE CEMENTITIOUS COATING, SUCH AS SIKATOP OR EQUAL.

1 TYPICAL CONCRETE SPALL REPAIR @TOP OF SLAB  
Scale: NTS

2 TYPICAL CONCRETE SPALL REPAIR @UNDERSIDE OF SLAB  
Scale: NTS



PROGRAM UNIT :

BY DATE	Rev. No.	SUBMISSION

KEY PLAN

Development:

Building Address:

Building No: ORACLE No:

Borough of:

Zone No.: Zoning Map No.:

Block No.: Lot No.:

E.D.P. No.:

Development No.:

Contract Title:

RFQ No.: RFQ\_NO

Drawing Title:

CONCRETE SPALL REPAIR

Seal & Signature:

Drawn By: DRAWN\_BY

Checked By: CHECKED\_BY

Date: DATE

Scale: SCALE

Drawing No.:

S-101

Sheet: