

**NOTE**

CONTRACTOR SHALL SAW CUT TO A NOMINAL DEPTH OF 1/2" BUT REINFORCING STEEL SHALL NOT BE DAMAGED.

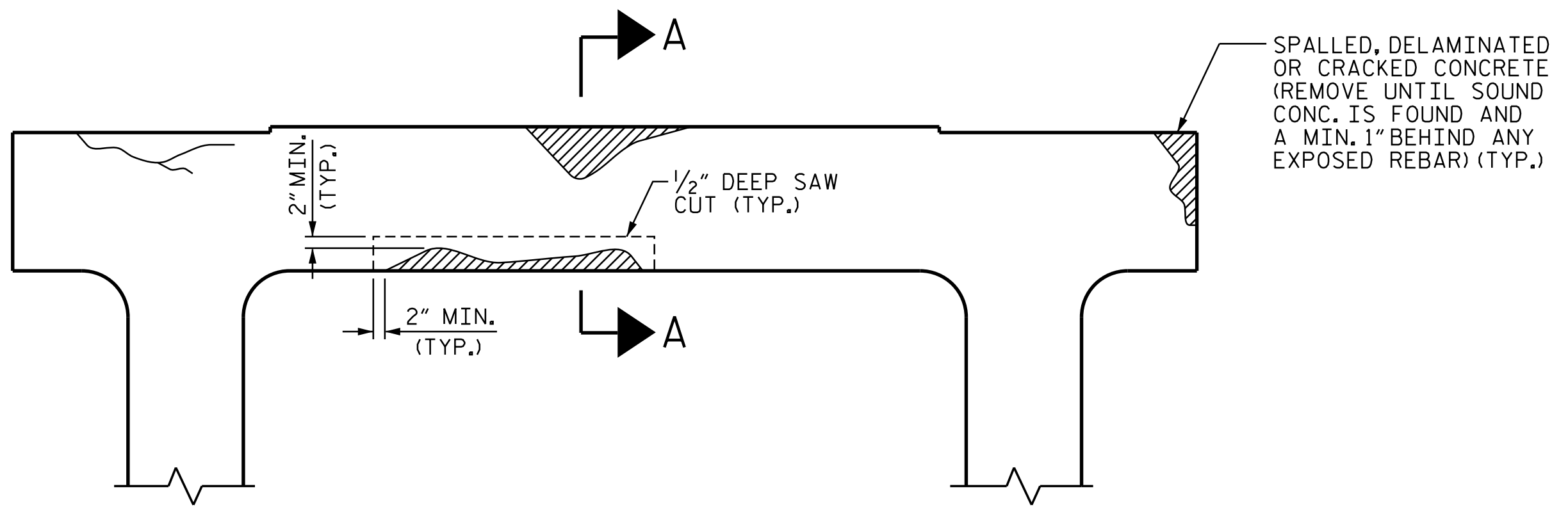
CONTRACTOR SHALL REMOVE SURFACE CONCRETE TO VERIFY THAT SAWCUT DEPTH WILL NOT DAMAGE EXISTING REINFORCING STEEL.

CONTRACTOR SHALL SAW CUT THE REPAIR AREAS SO THAT THE CORNERS ARE SQUARE AS INDICATED ON THE DETAILS.

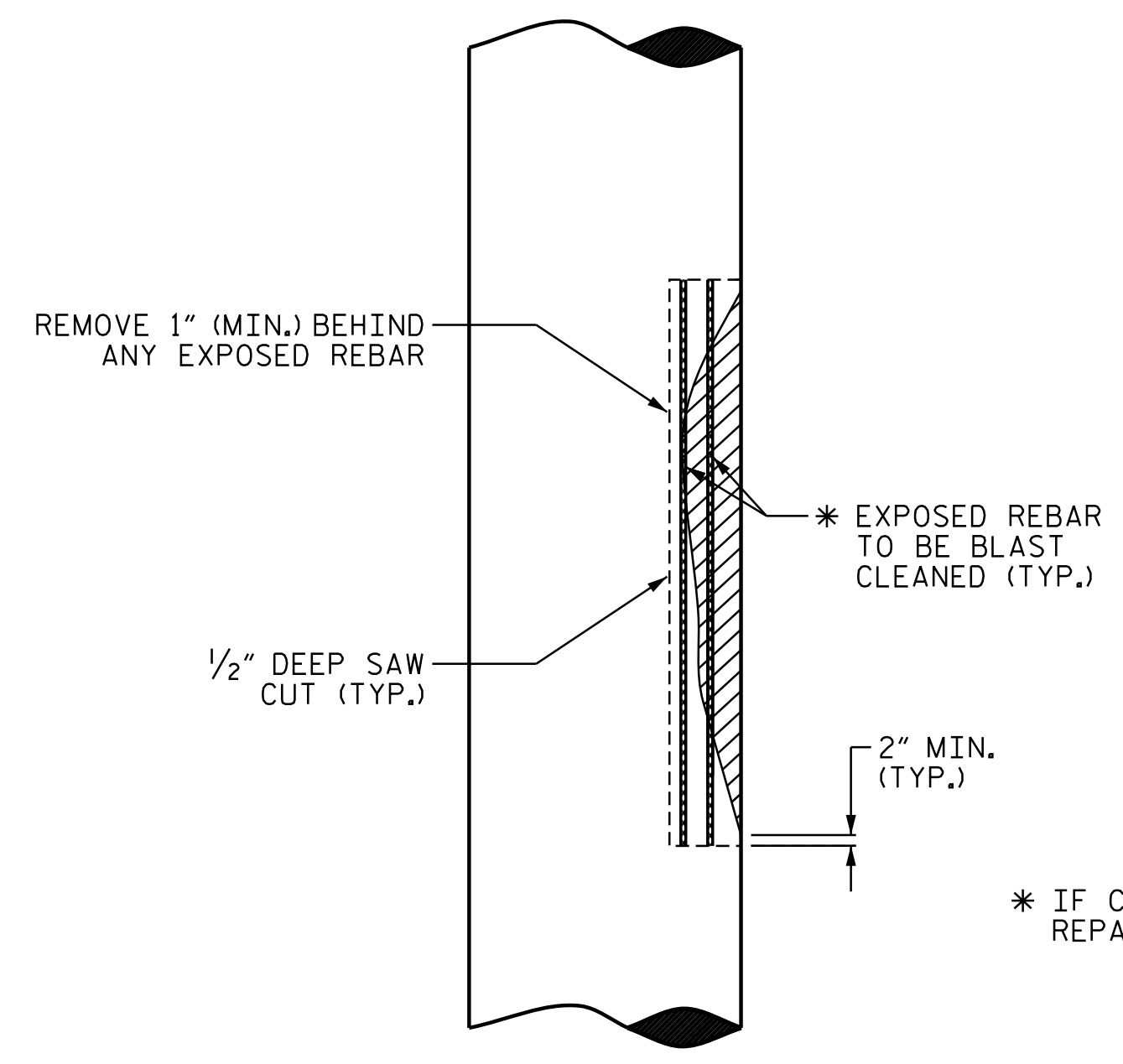
CONCRETE REPAIRS MAY BE SUBSTITUTED IN LIEU OF SHOTCRETE REPAIRS WITH THE APPROVAL OF THE ENGINEER.

FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

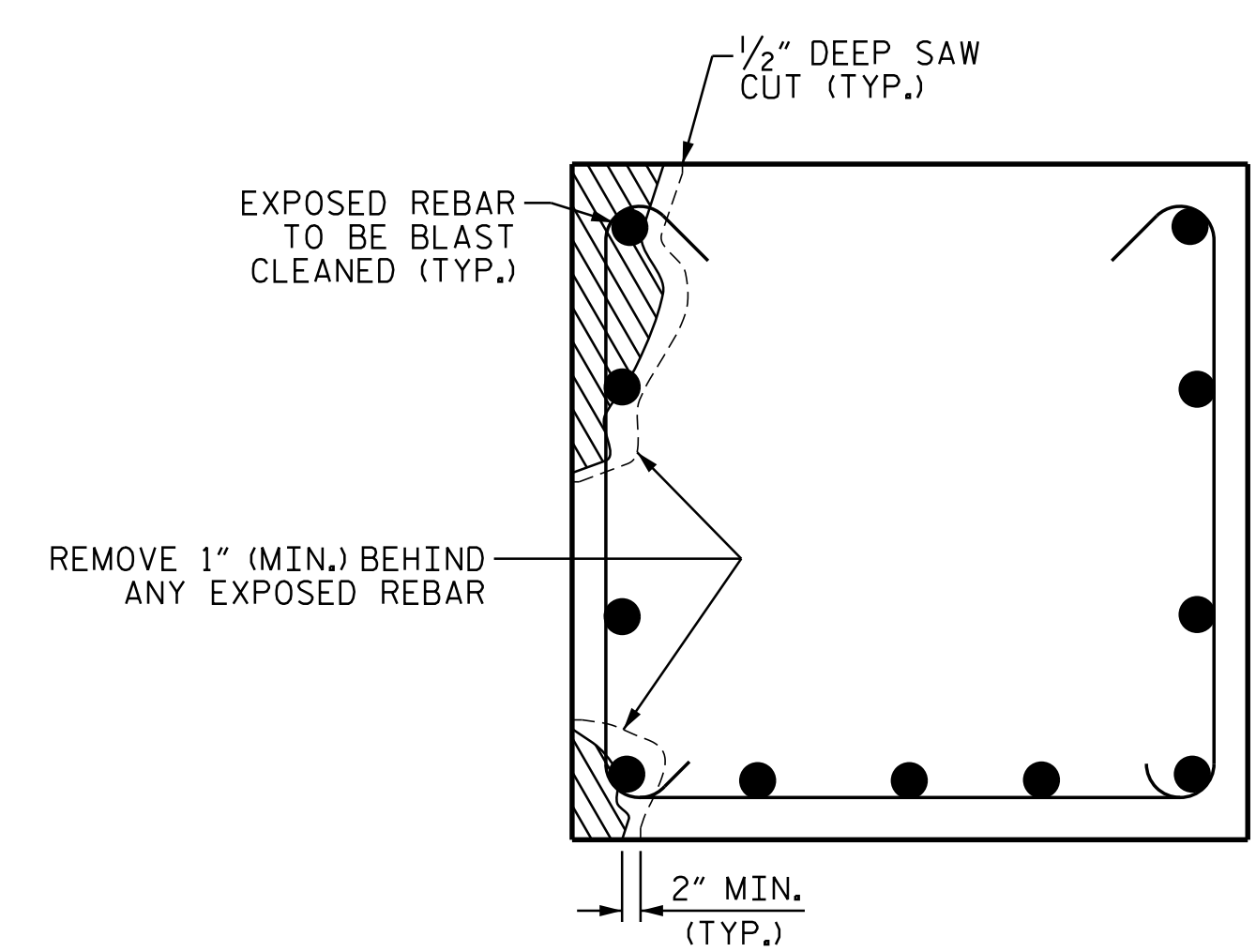
FOR EPOXY RESIN INJECTION, SEE SPECIAL PROVISIONS.



**BENT CAP REPAIRS**

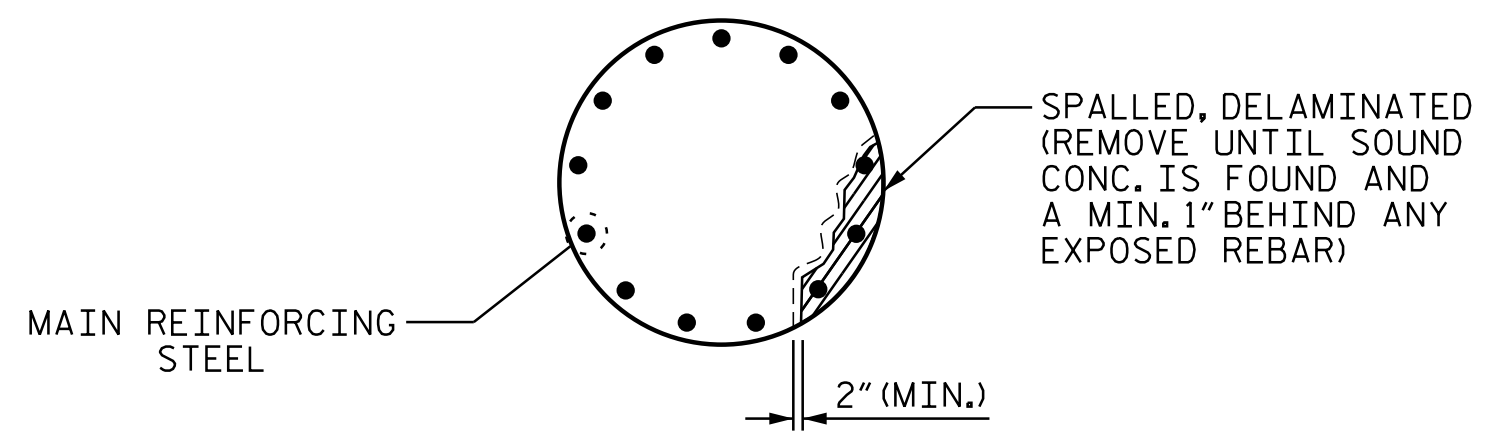


**ELEVATION OF CAP**



**SECTION THRU CAP**  
(EXAMPLE ONLY, ACTUAL REBAR SIZES & LOCATIONS MAY VARY)

**CAP REPAIR**

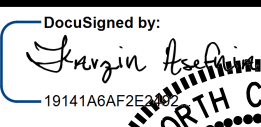
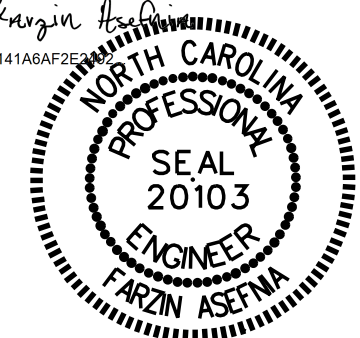



**PLAN OF COLUMN**

**COLUMN REPAIR**

PROJECT NO. I-5941  
DURHAM COUNTY  
 BRIDGE NO. 108, 112, 135,  
355 & 429

SHEET 2 OF 2

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED DocuSigned by:  191418A8A7		STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH SUBSTRUCTURE TYPICAL CAP AND COLUMN REPAIR DETAILS	
 11/13/2023		REVISIONS	
 3362 Old Forks Rd. Raleigh, N.C. 27609 Tel: 984.980.2810 efl@elrobinsonengineering.com License: C-22 9		NO. 1 BY: [ ] DATE: [ ]	NO. 2 BY: [ ] DATE: [ ]
SHEET NO. S-74 TOTAL SHEETS 74		SHEET NO. S-74 TOTAL SHEETS 74	

DRAWN BY : M. HOGAN DATE : 3/2023  
 CHECKED BY : JIA XU DATE : 7/2023  
 DESIGN ENGINEER OF RECORD: F. ASEFNIA DATE : 11/2023