

**NOTE**

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

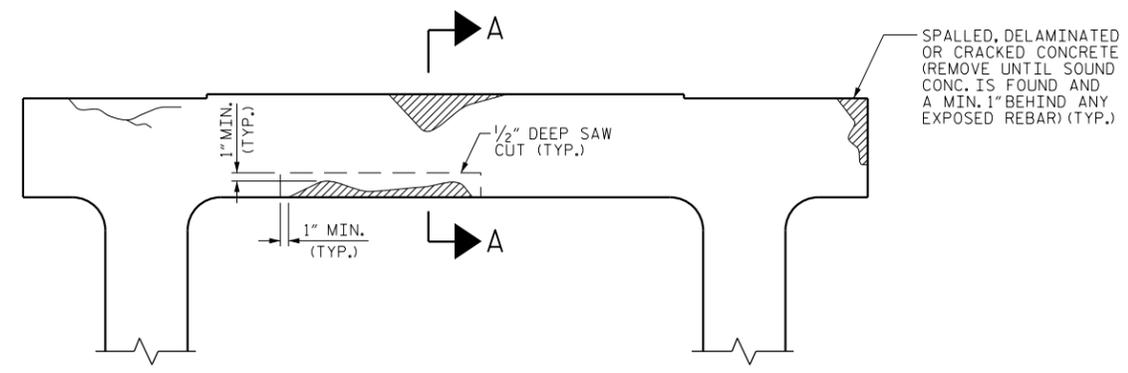
CONTRACTOR SHALL REMOVE SURFACE CONCRETE TO VERIFY THAT SAWCUT DEPTH WILL NOT DAMAGE EXISTING REINFORCING STEEL.

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

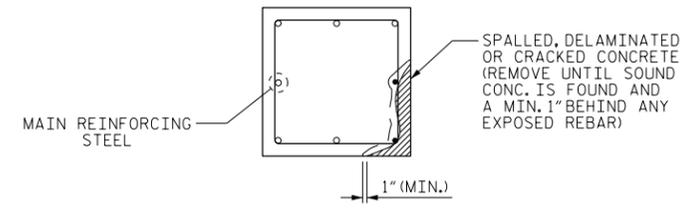
CONCRETE REPAIRS MAY BE SUBSTITUTED IN LIEU OF SHOTCRETE REPAIRS WITH THE APPROVAL OF THE ENGINEER.

FOR SHOTCRETE REPAIRS, SEE SPECIAL PROVISIONS.

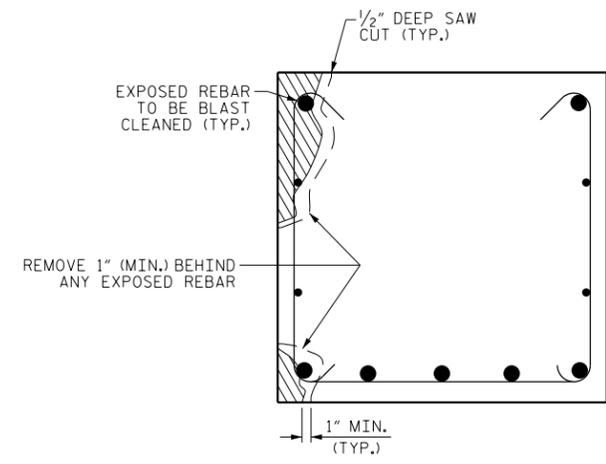
FOR EPOXY RESIN INJECTION, SEE SPECIAL PROVISIONS.



**BENT CAP REPAIRS**

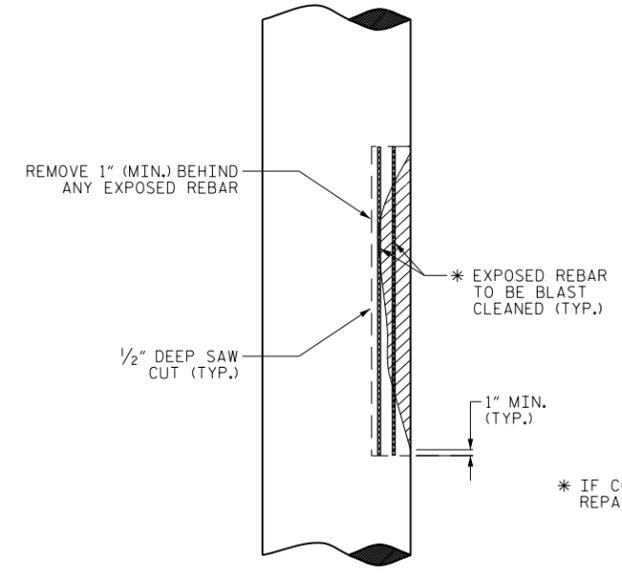


**PLAN OF COLUMN**



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

**CAP REPAIR**



**ELEVATION OF CAP**

**COLUMN REPAIR**

\* IF CONFINEMENT STEEL IS NOT PRESENT, THEN REPAIR LENGTH SHALL NOT EXCEED 10 FEET.

PROJECT NO. I-5763  
RANDOLPH COUNTY  
 BRIDGE NO. 235 & 236

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**SUBSTRUCTURE**  
 TYPICAL CAP AND COLUMN  
 REPAIR DETAILS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-48
1			3			TOTAL SHEETS
2			4			48

DocuSigned by:  
*Farzin Asefina*  
 PROFESSIONAL ENGINEER  
 SEAL 20103  
 FARZIN ASEFINA

11/18/2015

DRAWN BY: M. WELDON DATE: 10/15  
 CHECKED BY: W. SMITH DATE: 10/15