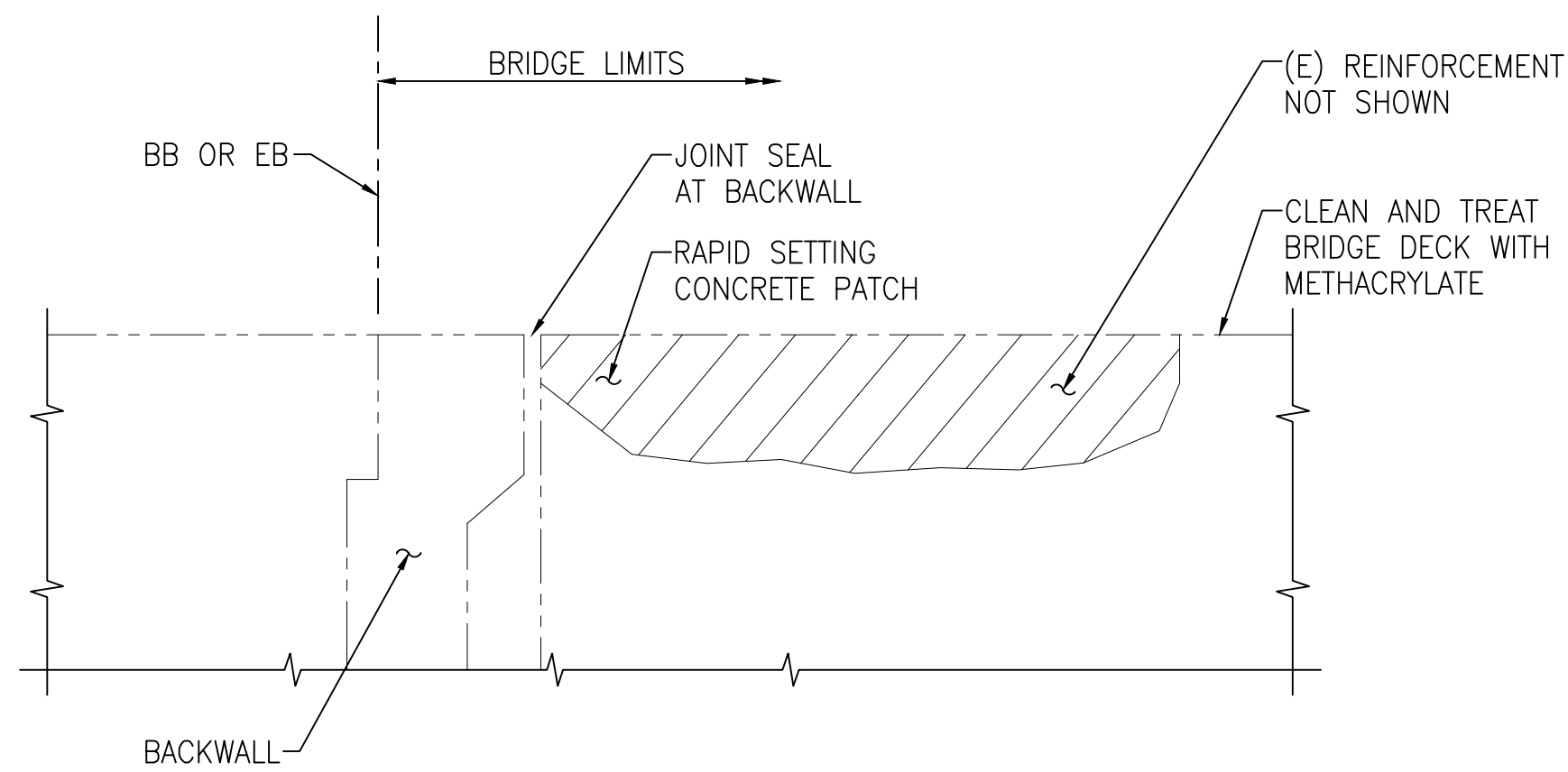


**1 DECK REPAIR DETAIL**  
SCALE: N.T.S.



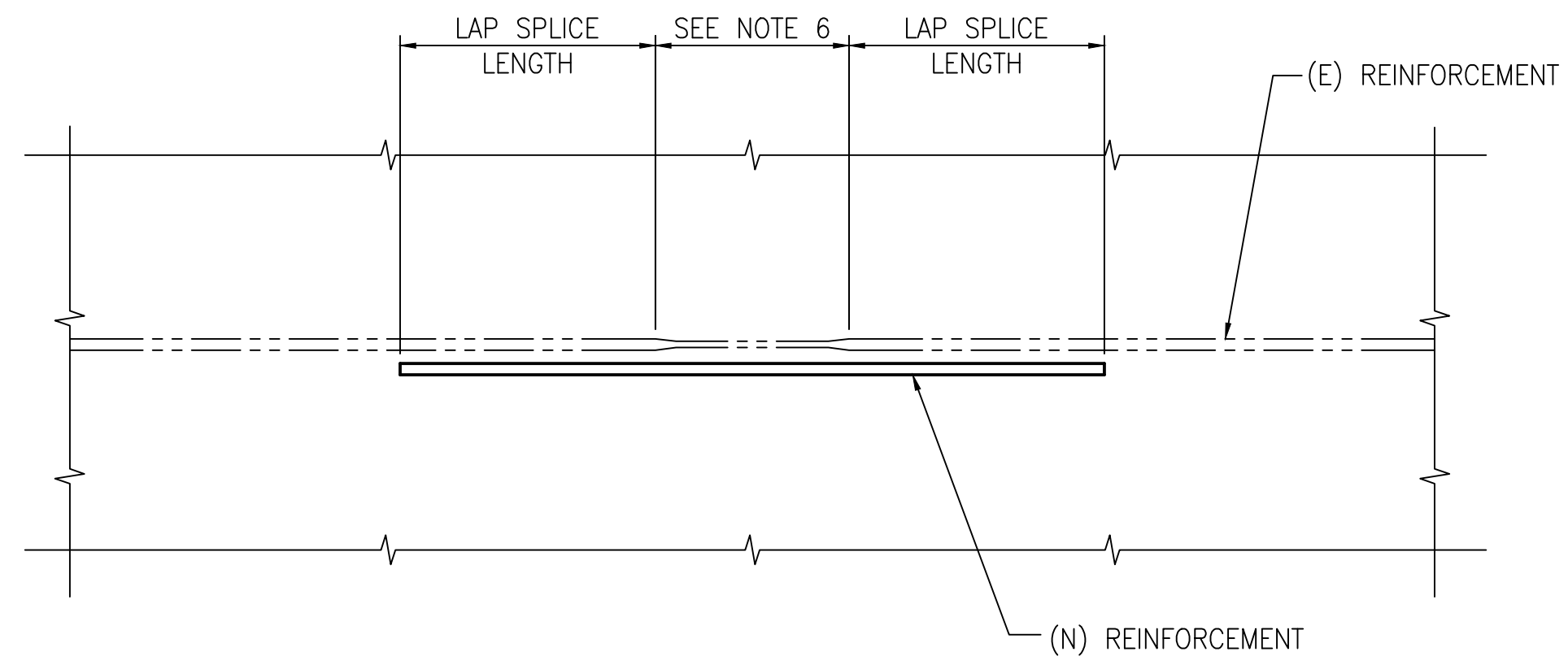
**2 DECK REPAIR DETAIL**  
SCALE: N.T.S.

**NOTES:**

1. THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
2. THE CONTRACTOR SHALL PERFORM VISUAL AND CHAIN DRAGGING INSPECTION TO IDENTIFY AND CONFIRM LOCATIONS AND AREAS OF DEFICIENCIES.
3. EXISTING REINFORCEMENT MAY BE ENCOUNTERED DURING BRIDGE DECK CONCRETE REMOVAL. EXISTING REINFORCEMENT SHALL BE PROTECTED DURING UNSOUND CONCRETE REMOVAL AND PATCHING OPERATIONS.
4. SAW CUTTING DEPTH SHALL NOT EXCEED 1-INCH OR THE THICKNESS OF THE CONCRETE COVER OVER THE TOP LAYER OF STEEL REINFORCING BARS, WHICHEVER IS LESS.
5. REMOVE UNSOUND CONCRETE AND UNSOUND PATCHES TO EXPOSE SOUND CONCRETE SUBSTRATE. REPLACE WITH A FAST-SETTING, PORTLAND CEMENT OR MAGNESIUM-PHOSPHATE BASED TRAFFIC GRADE REPAIR MORTAR.
6. WHERE (E) REINFORCEMENT SECTION LOSS IS MORE THAN 25 PERCENT, OR 20 PERCENT IN TWO OR MORE ADJACENT BARS, CUT BARS AND LAP SPLICE WITH REINFORCEMENT OF THE SAME SIZE. MECHANICAL COUPLERS MAY BE USED WHERE ADEQUATE COVER CAN BE ACHIEVED.
7. AFTER PATCHING, CLEAN AND PREPARE DECK FOR TREATMENT WITH METHACRYLATE.

**LEGEND:**

 INDICATES LIMITS OF RAPID SETTING CONCRETE PATCH.



BAR SIZE	MIN LAP SPLICE LENGTH
#4	1'-8"
#5	2'-0"
#6	2'-6"

**3 LAP SPLICE DETAIL**  
SCALE: N.T.S.

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 11/05/21 10:56, BY: dleung				

REFERENCE INFORMATION & FILE NO. OF SURVEYS
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BUREAU OF ENGINEERING

CITY & COUNTY OF SAN FRANCISCO

SAN FRANCISCO PUBLIC WORKS

49 SOUTH VAN NESS AVENUE, SUITE 800  
SAN FRANCISCO, CA 94103

Section Mgr:	RAYMOND LUI	Date:	11/05/2021
Deputy Bureau Mgr:	FERNANDO CISNEROS		12/09/2021
Acting Bureau Mgr:	IQBAL DHAPA		12/10/2021

DESIGNED:	DATE:
JS	11/2021
DRAWN:	DATE:
DL	11/2021
CHECKED:	DATE:
RL	11/2021



SCALE:
AS SHOWN
SHEET OF SHEETS
179 OF 210

MISSION STREET & GENEVA AVENUE  
IMPROVEMENTS PROJECT

CONCRETE REPAIR DETAILS

CONTRACT NO.	1171I
DRAWING NO.	BR-3.0
FILE NO.	120,745
REV. NO.	0