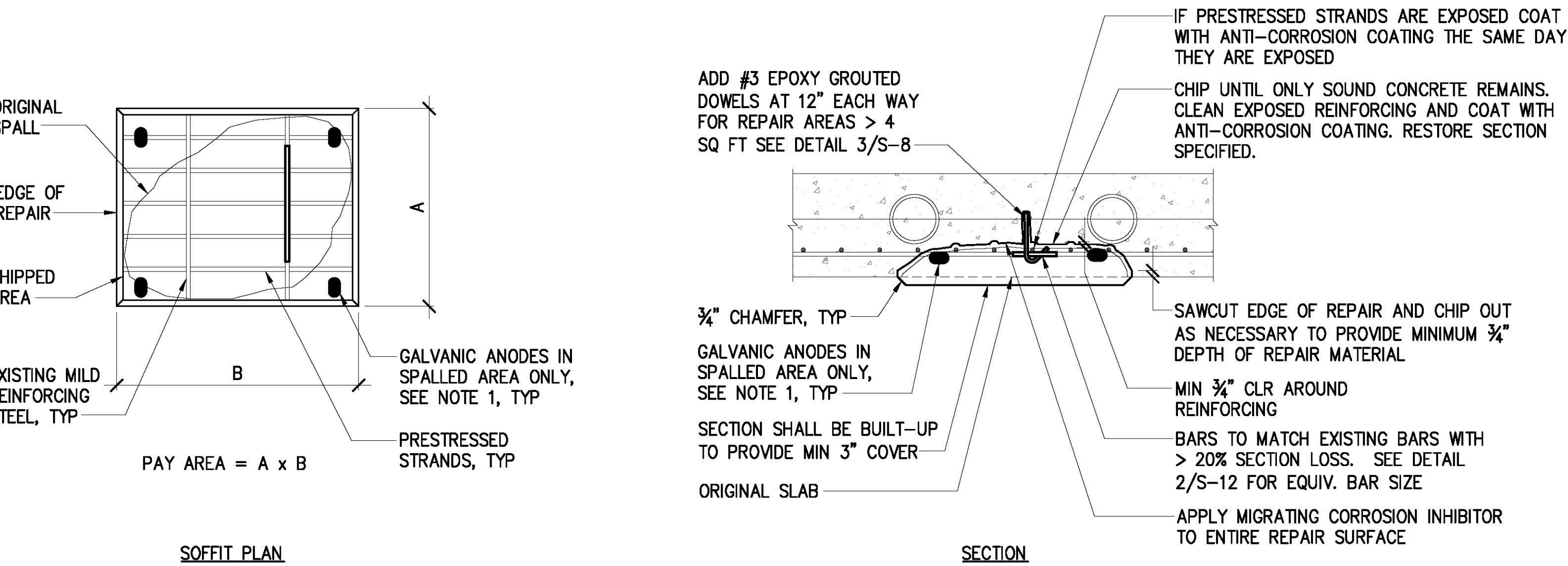


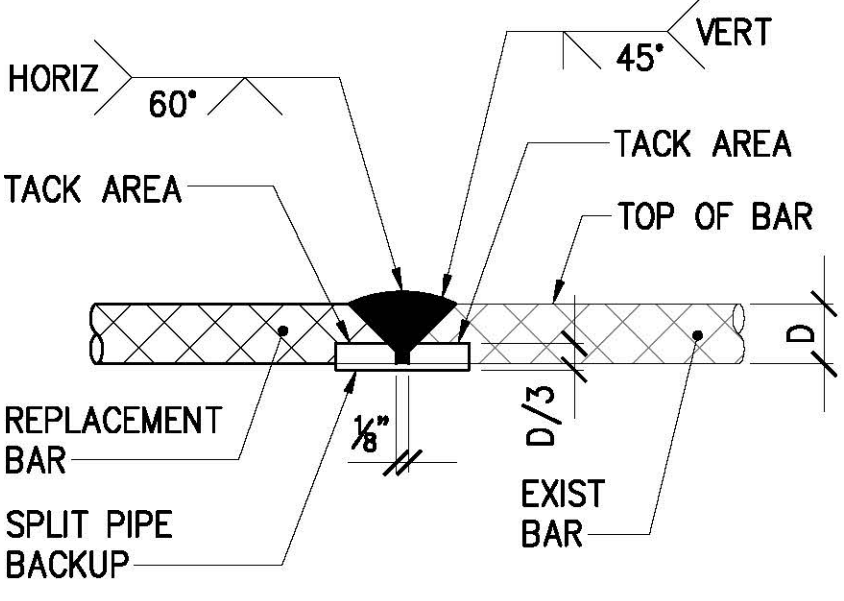
EXISTING CONDITION



- NOTES:
- GALVANIC ANODES SHALL BE INSTALLED AT 17" AROUND THE PERIMETER OF THE REPAIRS. FOR SPALLS LESS THAN 1 SQUARE FOOT IN SIZE, INSTALL ONE GALVANIC ANODE IN SPALLED AREA.
 - ALTERNATE REPAIR SHALL BE ONLY FOR SHALLOW PRECAST PLANK SOFFIT SPALLS WITH NO CORROSION OF PRESTRESSING STRANDS.

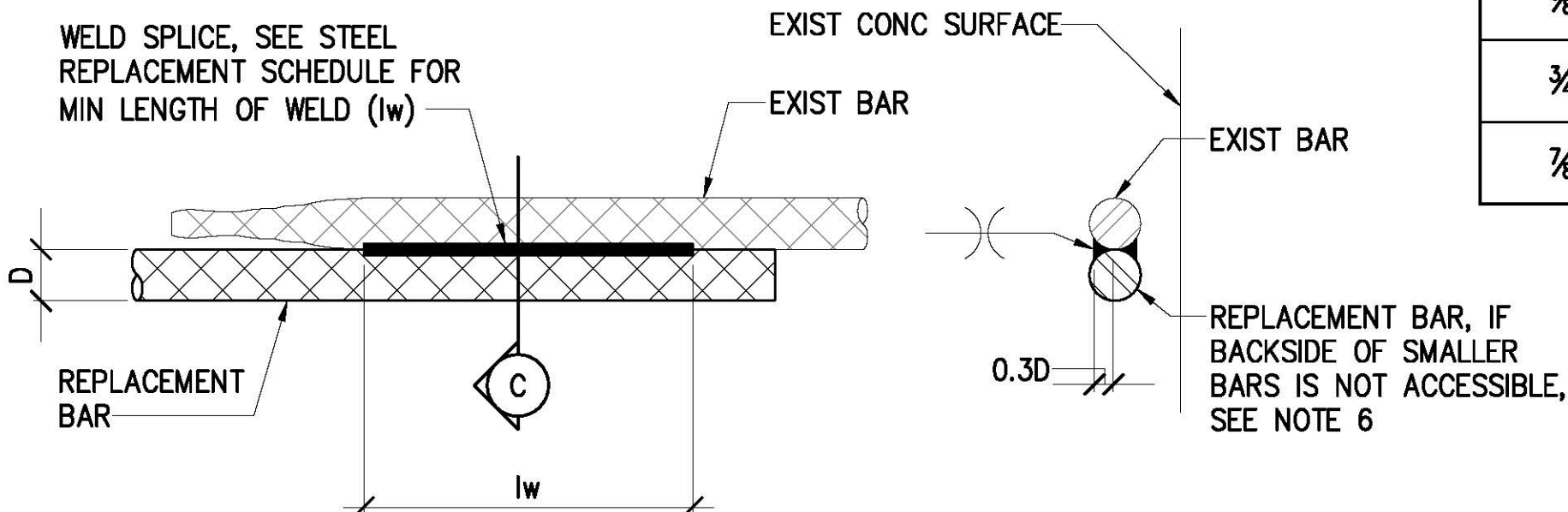
REPAIRED CONDITION

1
S-12
ALTERNATE PRECAST PLANK SOFFIT SPALL REPAIR (TYPE P)
NOT TO SCALE



A BUTT SPLICE

USE DETAIL A FOR #7 BARS AND LARGER



NOTE:
lw = LENGTH OF WELD EACH SIDE
(SEE STEEL REPLACEMENT SCHEDULE)

B LAP SPLICE

C SECTION

USE DETAIL B FOR #6 BARS AND SMALLER

- REINFORCING STEEL WELDING NOTES:
- CHIP, GRIND, OR GOUGE TO SOUND METAL BEFORE WELDING.
 - CLEAN EXIST REBAR AND PREPARE ACCORDING TO SPECIFICATIONS. APPLY COATING AFTER WELDING.
 - SEE STEEL REPLACEMENT SCHEDULE BELOW FOR REPLACEMENT BAR SIZE.
 - USE E70 ELECTRODES.
 - SEE AWS D1.4 FOR WELDING PROCESS AND OTHER DETAILS.
 - FOR WELDING OF #3, #4, AND #5 REPLACEMENT REINFORCING, WELDING MAY BE PERFORMED ON ONE SIDE ONLY, IF lw IS INCREASED TO lw1 AS FOLLOWS

STEEL REPLACEMENT SCHEDULE				
SIZE OF EXISTING REINFORCING		SIZE OF REPLACEMENT REINFORCING	MINIMUM LENGTH OF WELD EACH SIDE (lw)	MINIMUM LENGTH OF WELD ONE SIDE lw1
SQUARE	ROUND			
3/8"	#3, #4	#4	2"	4"
1/2"	#5	#5	2 1/2"	5"
5/8"	#6	#6	3 1/2"	-
3/4"	#7	#7	-	-
7/8"	#8	#8	-	-

2
S-12
REINFORCING STEEL SPLICE DETAIL
NOT TO SCALE



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
EXP. 4-30-24
MKE ASSOCIATES LLC

REVISION	DATE	DESCRIPTION	BY	APPROVED
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HARBORS DIVISION				
JOB TITLE SUBSTRUCTURE REPAIRS AT PIERS 16 AND 17 HONOLULU HARBOR, OAHU, HAWAII				
SHEET TITLE TYPICAL REPAIR DETAILS				
DESIGNED BY: GO	JOB NUMBER S10852		SHEET S-12	
DRAWN BY: DL				
CHECKED BY: GM				
DATE: 04/2023				
SCALE: AS SHOWN			14 OF 14 SHTS.	