

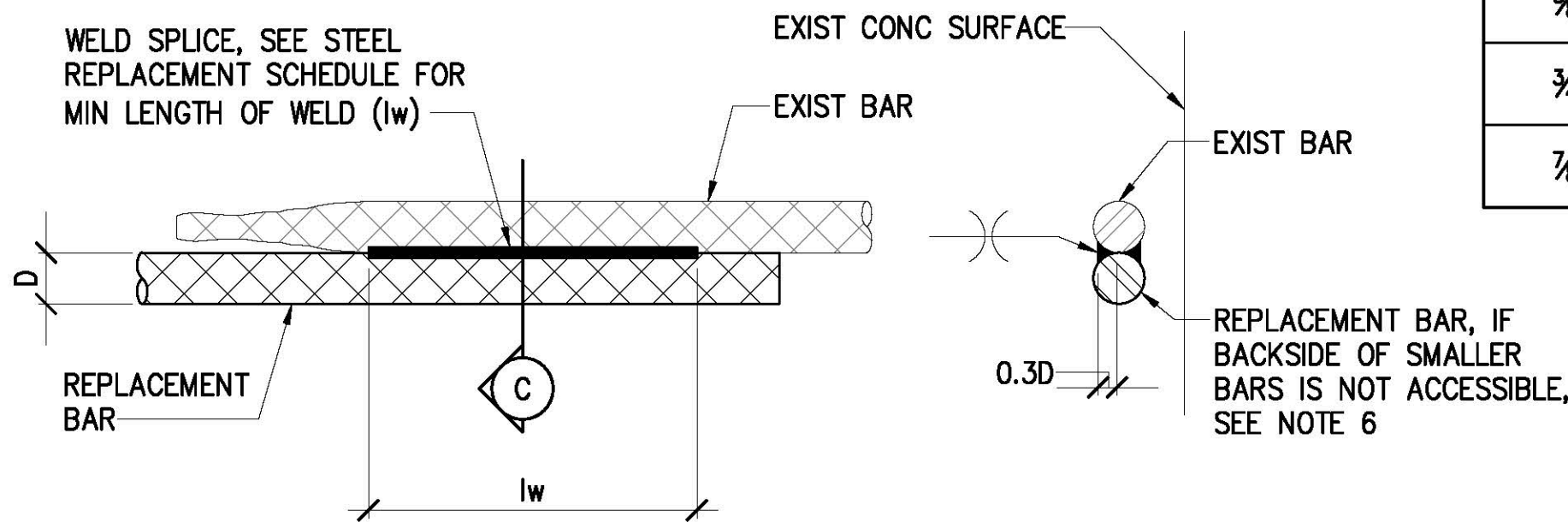
A BUTT SPlice

USE DETAIL A FOR #7 BARS AND LARGER

REINFORCING STEEL WELDING NOTES:

1. CHIP, GRIND, OR GOUGE TO SOUND METAL BEFORE WELDING.
2. CLEAN EXIST REBAR AND PREPARE ACCORDING TO SPECIFICATIONS. APPLY COATING AFTER WELDING.
3. SEE STEEL REPLACEMENT SCHEDULE BELOW FOR REPLACEMENT BAR SIZE.
4. USE E70 ELECTRODES.
5. SEE AWS D1.4 FOR WELDING PROCESS AND OTHER DETAILS.
6. FOR WELDING OF #3, #4, AND #5 REPLACEMENT REINFORCING, WELDING MAY BE PERFORMED ON ONE SIDE ONLY, IF l_w IS INCREASED TO l_{w1} AS FOLLOWS

STEEL REPLACEMENT SCHEDULE				
SIZE OF EXISTING REINFORCING		SIZE OF REPLACEMENT REINFORCING	MINIMUM LENGTH OF WELD EACH SIDE (l_w)	MINIMUM LENGTH OF WELD ONE SIDE l_{w1}
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	—	—



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

B LAP SPlice

C SECTION

USE DETAIL B FOR #6 BARS AND SMALLER

1 REINFORCING STEEL SPlice DETAIL
S-9 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 FENDER AND WATERLINE REPAIRS AT PORT ALLEN, KAUAI, HAWAII				
SHEET TITLE SPlice DETAIL				
DESIGNED BY: GO	JOB NUMBER S70145			SHEET S-9 11 of 19 SHTS.
DRAWN BY: DL				
CHECKED BY: GM				
DATE: 04/2023				
SCALE: AS SHOWN				