1.	"St	andal	rd Sp	<u>cifications:</u> Hawaii Depa pecifications for Road a n Special Provisions prep	nd Bridge Construction
2.	Des	sign (Speci	fications:	
	А.	(AA and	SHT(its	n Association of State H D) 2020 "LRFD Bridge D subsequent interim spect lifications by the HDOT	esign Specifications" (N ifications with interim d
	В.	dat	ed Al	ocument "Design Criteria ugust 8, 2014 and HDOT for Bridges and Struct	Memorandum "Changes
3.	Mat	terial	<u>s:</u>		
	А.	Str	uctur	ral Steel	
		(1)	All s	steel shall conform to th	e following requirement
				<u>Rolled Steel Shapes</u>	
			(a)	Channels	ASTM A36
			(b)	Angles	ASTM A36
			(c)	Plates and All Others	ASTM A36
			(d)	All Structural Steel shall be hot-dip zinc galvanized after fabrication	ASTM A123
		(2)		workmanship shall be in 'AWS D1.5.	accordance with the la
		(3)	weld of 1 mini pera	welding, whether shop of ders in conformance with the American Welding So imum tensile strength of formed such that excess op any new or existing s	h the Bridge Welding C ciety. Filler Metal shal 70 ksi. Welding shall sive concentrated heat c
		(4)	spec Spe requ galv	ld welding to existing st cifically shown or noted cifications and Special f uirements. All field weld vanized coating shall be c-based solder in accord	on drawings. See Stan Provisions for pre-heat ding that damages any repaired, prior to paint
(5,			requ	Special Provisions Sect uirements. All holes shall ming and coating steel.	l be prepunched before
		(6)	Sho appl	Special Provisions Sect op and field applied pain roved equal. Follow all base metal surface prep	t shall be EverPel by C paint manufacturer's re

STRUCTURAL GENERAL NOTES

3. <u>Materials (Cont.):</u>

(7) Paint color shall match the color of the existing surrounding bridge members. Paint sheen and color scheme shall be submitted to the Engineer for review and approval.

4. <u>Construction Notes:</u>

- A. Install protective devices to prevent all construction debris and fugitive dust from entering the river and banks. The Contractor shall submit working drawings for the protective devices to the Engineer for approval. Any work involving these protective devices shall be paid for under Item 209.1000 - Installation, Maintenance, Monitoring, and Removal of BMP and Work Platform - Wailuku Bridge. Work shall not begin until the Engineer approves the proposed system.
- B. The Contractor is prohibited from accessing the water under the bridge. This includes the entire area under the bridge within the State Right of Way. All access to the repair sites shall be from the top of the bridge or a temporary work platform. Work Platform shall be paid for under Item 209.1000 - Installation, Maintenance, Monitoring, and Removal of BMP and Work Platform -Wailuku Bridge.
- C. The Contractor shall be entirely responsible for the stability of the bridge and integrity of the members during construction. The Contractor shall make repairs in conformance with the sequences shown on the plans.
- D. The Contractor shall field verify all existing conditions, dimensions, and member sizes prior to fabrication of any bridge elements. The Engineer shall be notified immediately regarding any change of conditions or discrepancies between the plans and field investigation.
- E. The structural repair details shown on the plans are based on the Engineer's findings during the latest site investigation. If existing bridge members that are to remain, have deteriorated such they cannot be bolted or welded to, the Engineer shall be notified immediately.
- F. Work platform drawings and calculations, stamped by a Professional Structural Engineer, licensed in the State of Hawaii, shall be submitted to the Engineer for review and approval. Calculations shall include a structural assessment of all bridge components that support any portion of the work platform.
- G. Work platform shall be designed for the actual weights of required construction equipment and material plus the intended design Live Load but not to be less than a minimum uniform 20 pounds per square foot Live Load plus 75 pounds per linear foot Live Load applied at all cantilever edge overhangs. Design for lateral loads in conformance with Section 22 of the AASHTO "Guide Design Specifications for Bridge Temporary Works".
- H. No additional holes shall be added to structural steel members than what is shown on the plans.

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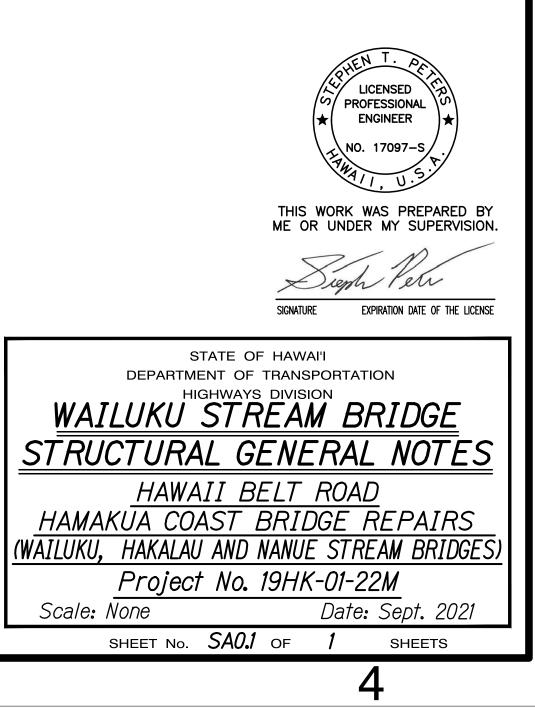
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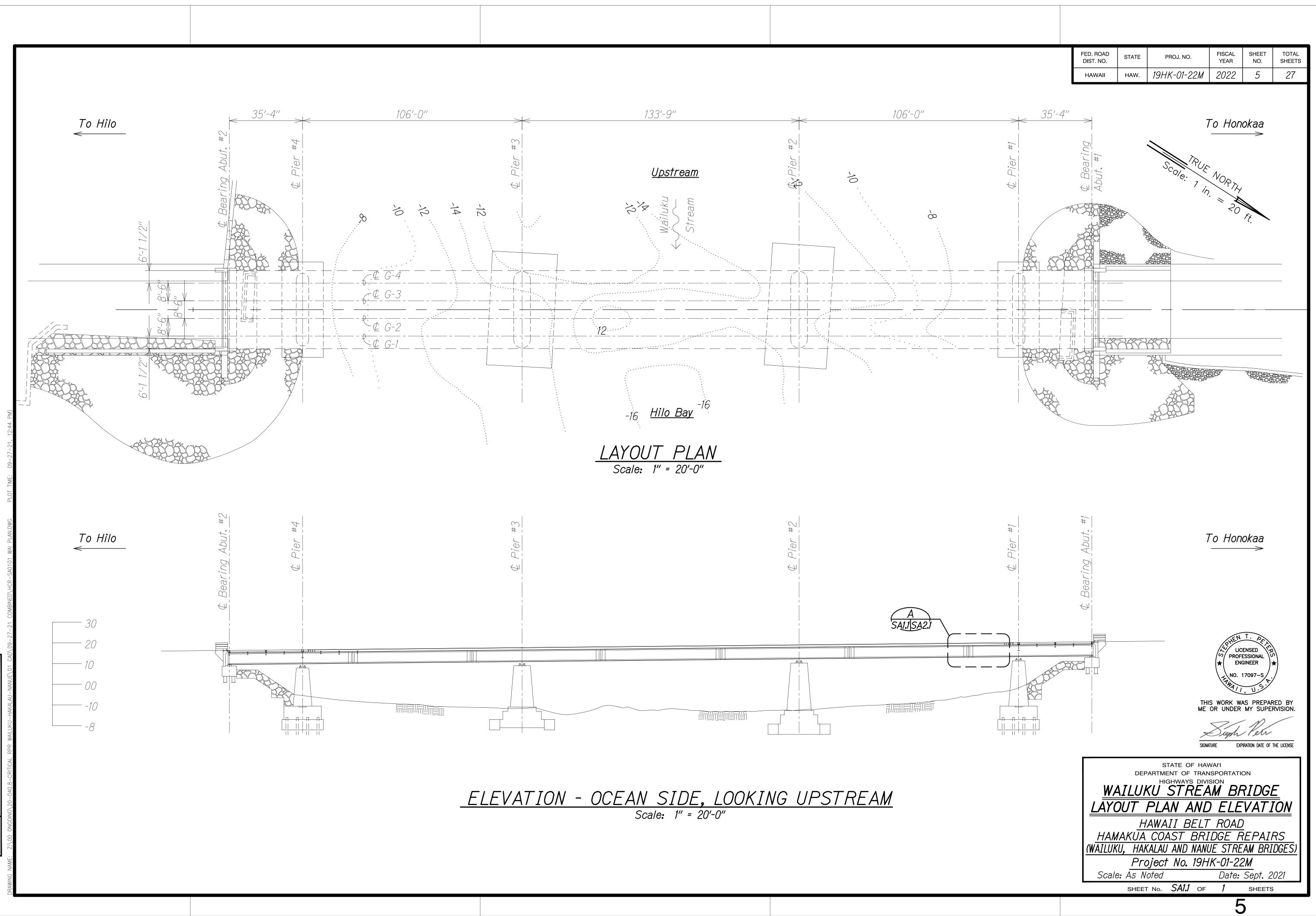
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HAWAII	HAW.	19HK-01-22M	2022	4	27

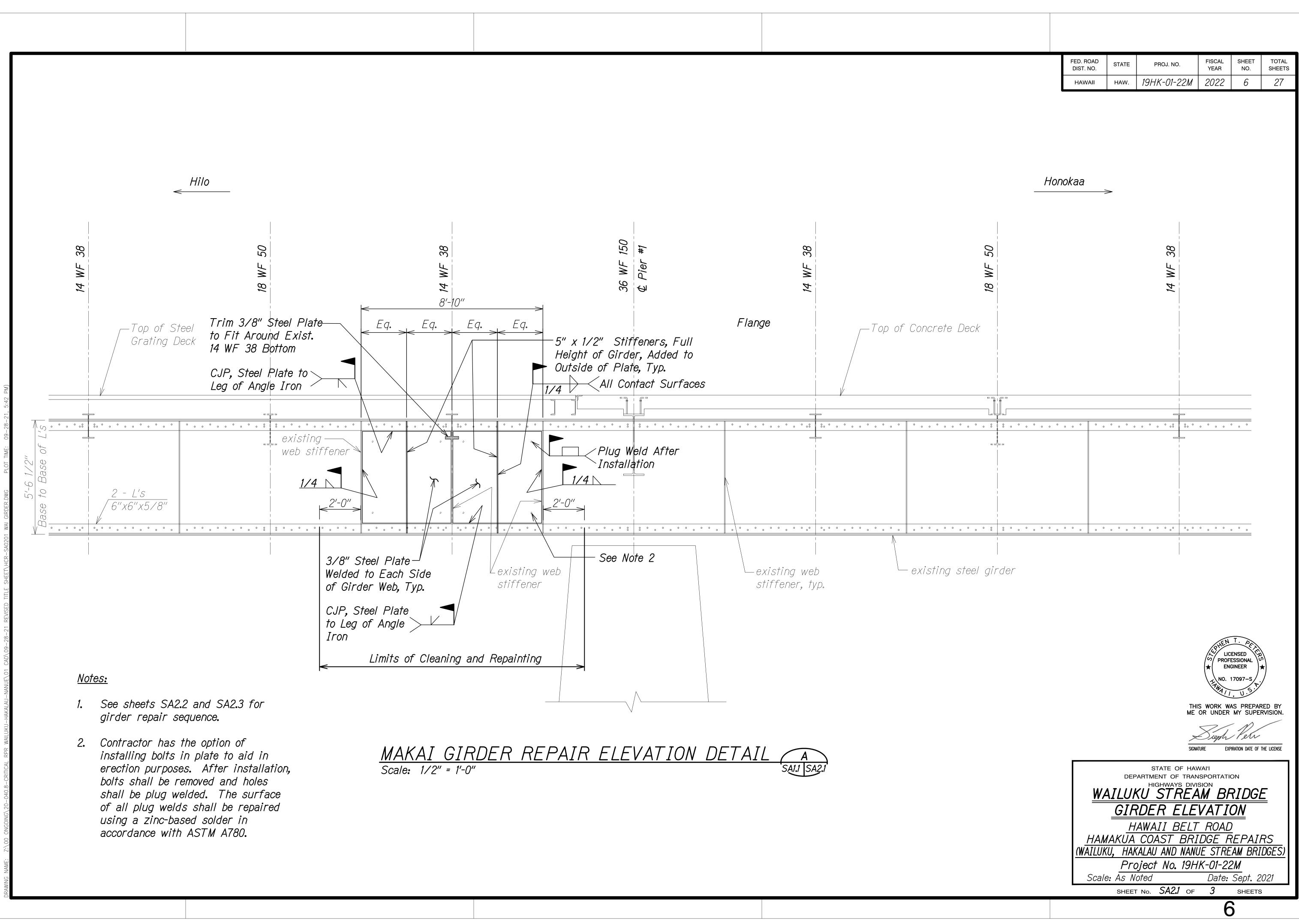
- 4. <u>Construction Notes (Cont.)</u>:
 - I. The Contractor shall coordinate all traffic control and lane closure requirements with the State DOT Highways Division. The Contractor shall notify the State a minimum of 11 days prior to any requests for traffic control or lane closures. Lane closures may be scheduled on weekdays from 8:30 AM to 3:00 PM.
 - J. The Contractor shall be responsible for the cost of all high strength bolting and welding inspection, including any non-destructive testing. Cost shall be incidental to the repair work. Reports shall be submitted to the Engineer for review and approval. All deficient work shall be corrected with no increase in cost to the State.
 - K. The Contractor may obtain for review available As-Built drawings of the existing structure from the HDOT Highways Division, Design Branch located at Kakuhihewa Building, Room 609, 601 Kamokila Boulevard, Kapolei, HI 96707.





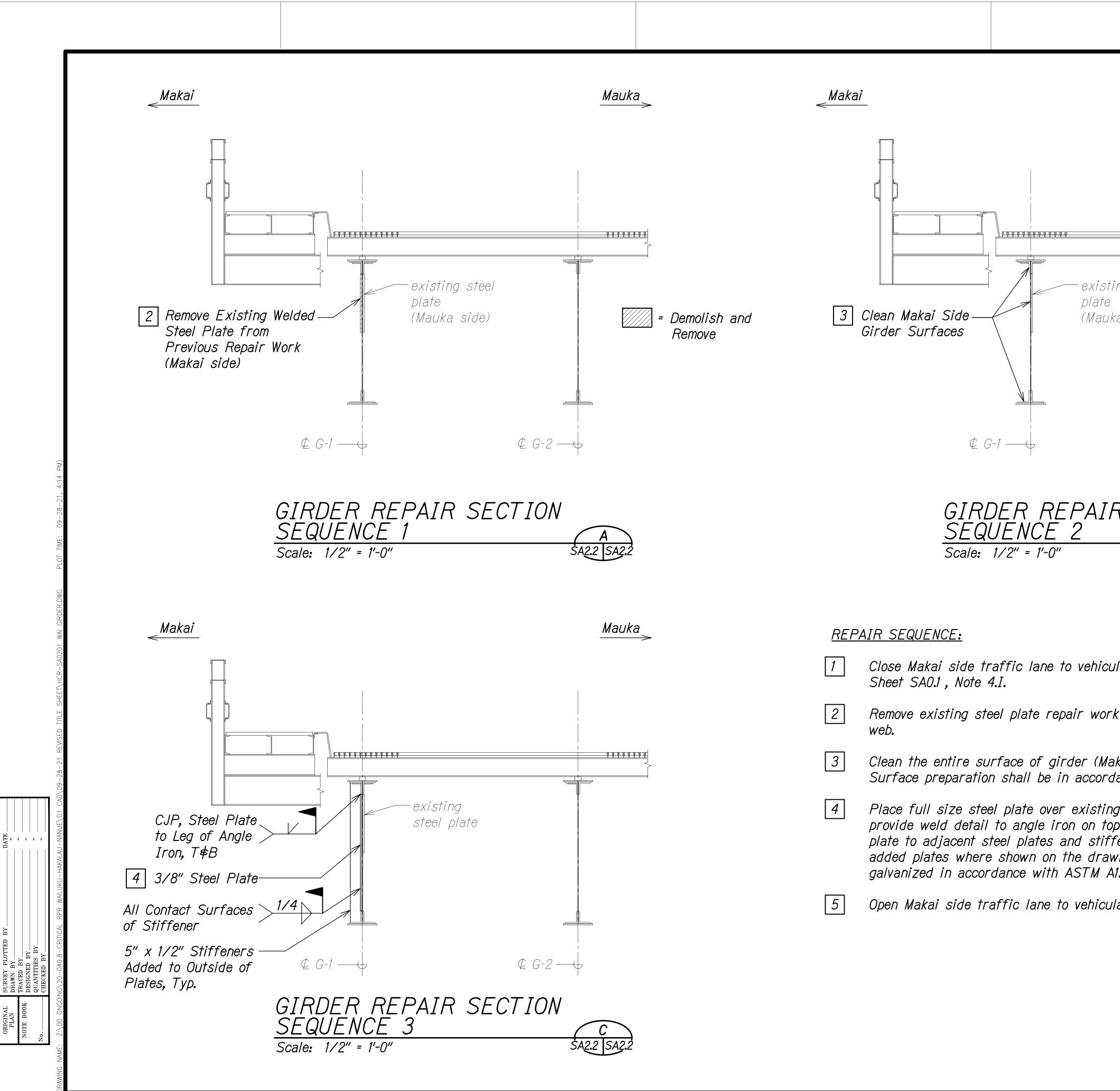
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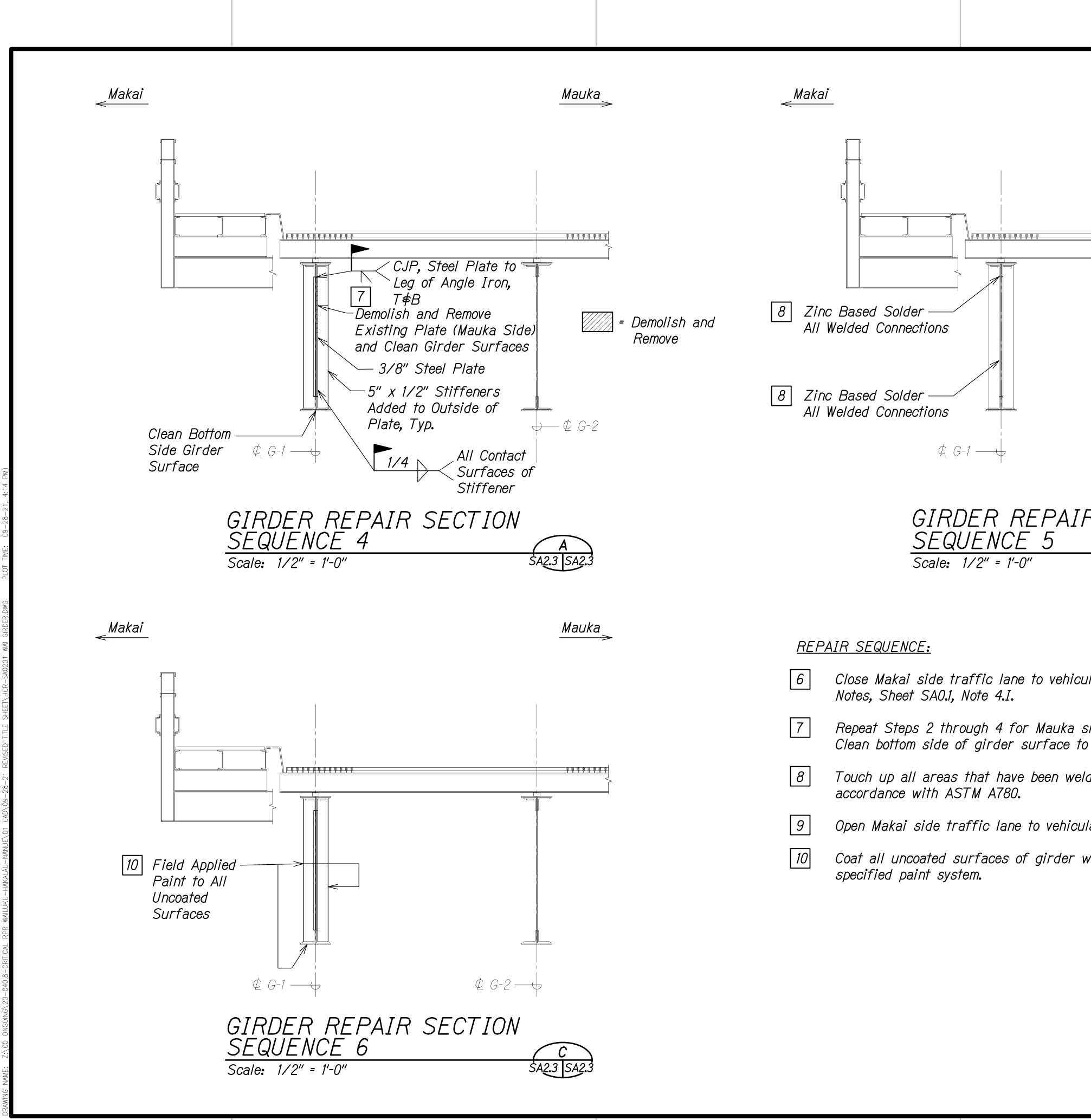


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lar use.			SIGNA	Dieph TURE EXF	PIRATION DATE OF	The license
	<u>HAM</u> (WAILUK	AILUH <u>GIH</u> AKUA U, HAK Pro e: As N	STATE OF HAV PARTMENT OF TRAN HIGHWAYS DIVI KU STREA RDER SEC AWAII BELT COAST BRI ALAU AND NANU Oject No. 19H ofed	A B SION CTI	RIDGI VS REPAIN TAM BRI	<u>RS</u> DGES) 021



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Mauka	HAWAII	HAW.	19НК-01-22М	2022	8	27
£ G-2						
R SECTION						
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lded using a zinc based solder in				-N	T. A	
ılar use.				/∽/ PROF	ENSED ESSIONAL GINEER	
web, flange, and stiffeners with			THI ME	S WORK W. OR UNDER	17097-S	RED BY RVISION.
				TURE EXF	Piration date of	THE LICENSE
	HAN (WAILUK	AILUI <u>GII</u> AKUA AU, HAK Pro e: As N		ISPORTATION SION CTION C	RIDGI VS REPAIN TAM BRI	= <u>TS</u> DGES) 021

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