

**STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS**

**ADDENDUM NO. 1  
FOR  
INTERSTATE ROUTE H-1, MCCULLY STREET SEPARATION,  
SEISMIC RETROFIT  
FEDERAL-AID PROJECT NO. NH-H1-1(284)  
DISTRICT OF HONOLULU  
ISLAND OF OAHU**

**May 1, 2026**

This Addendum shall make the following amendment(s) to the Solicitation:

**A. PLANS**

1. Delete **PLANS SHEET NO. 48 BEARING RETROFIT DETAILS** dated March 2026 and replace it with attached **PLANS SHEET NO. ADD. 48 BEARING RETROFIT DETAILS**.
2. Delete **PLANS SHEET NO. 50 JACKING SECTION AND BEARING BEVEL DETAIL** dated March 2026 and replace it with attached **PLANS SHEET NO. ADD. 50 JACKING SECTION AND BEARING BEVEL DETAIL**.
3. Delete **PLANS SHEET NO. 51 BEARING DESIGN DETAILS** dated March 2026 and replace it with attached **PLANS SHEET NO. ADD. 51 BEARING DESIGN DETAILS**.
4. Delete **PLANS SHEET NO. 52 SEAT LAYOUT AND SEAT ELEVATIONS** dated March 2026 and replace it with attached **PLANS SHEET NO. ADD. 52 SEAT LAYOUT AND SEAT ELEVATIONS**.
5. Delete **PLANS SHEET NO. 53 SEAT EXTENSION RETROFIT DETAILS** dated March 2026 and replace it with attached **PLANS SHEET NO. ADD. 53 SEAT EXTENSION RETROFIT DETAILS**.
6. Delete **PLANS SHEET NO. 56 ISOMETRIC DETAILS** dated March 2026 and replace it with attached **PLANS SHEET NO. ADD. 56 ISOMERTIC DETAILS**.

The following is provided for information.

**1. PRE-BID MEETING MINUTES**

1. The attached **PRE-BID MEETING MINUTES** are provided for your information.

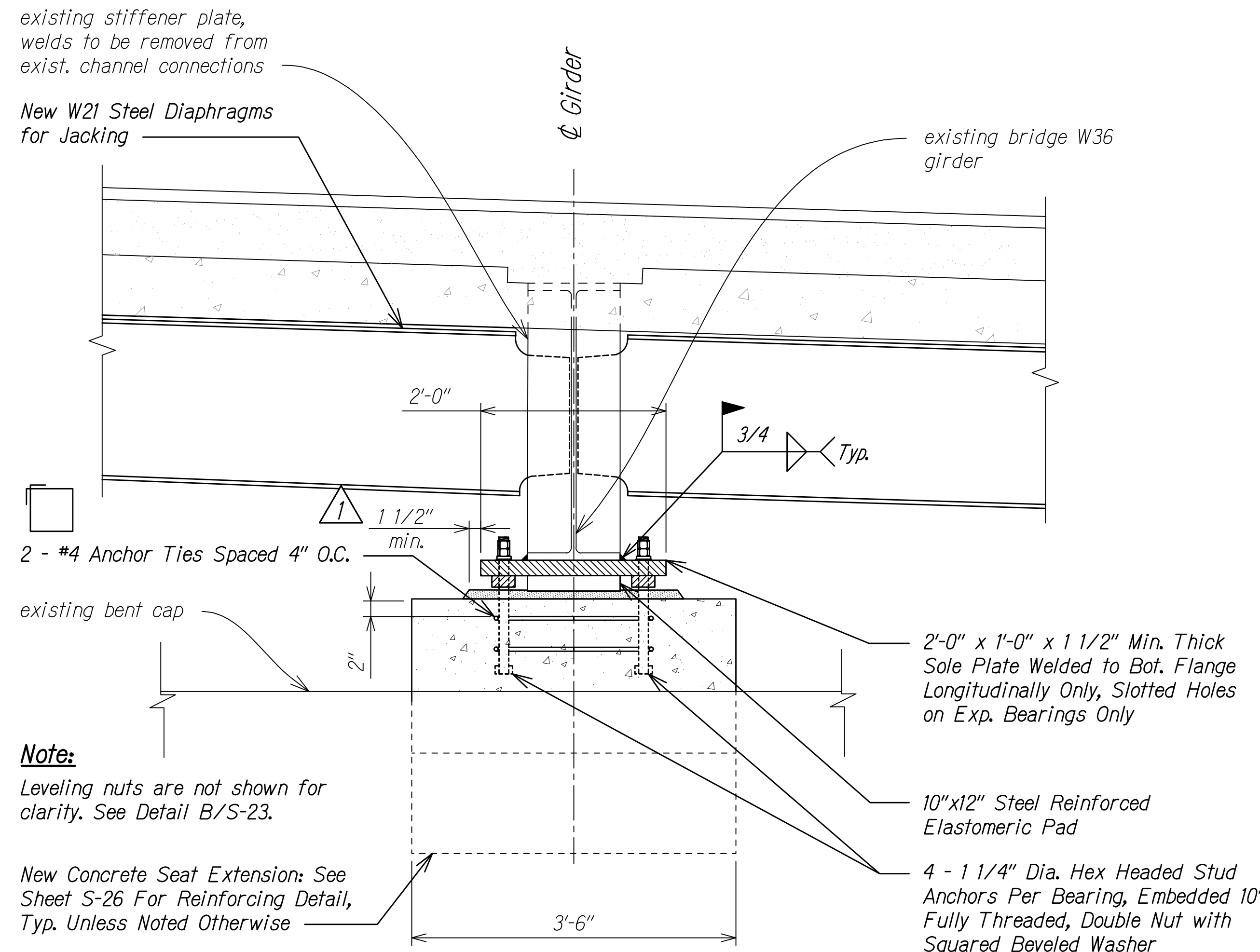
Please acknowledge receipt of this **ADDENDUM NO. 1** by recording the date of its receipt in the space provided on **PAGE P-4** of the Proposal.

*Henry Kennedy*

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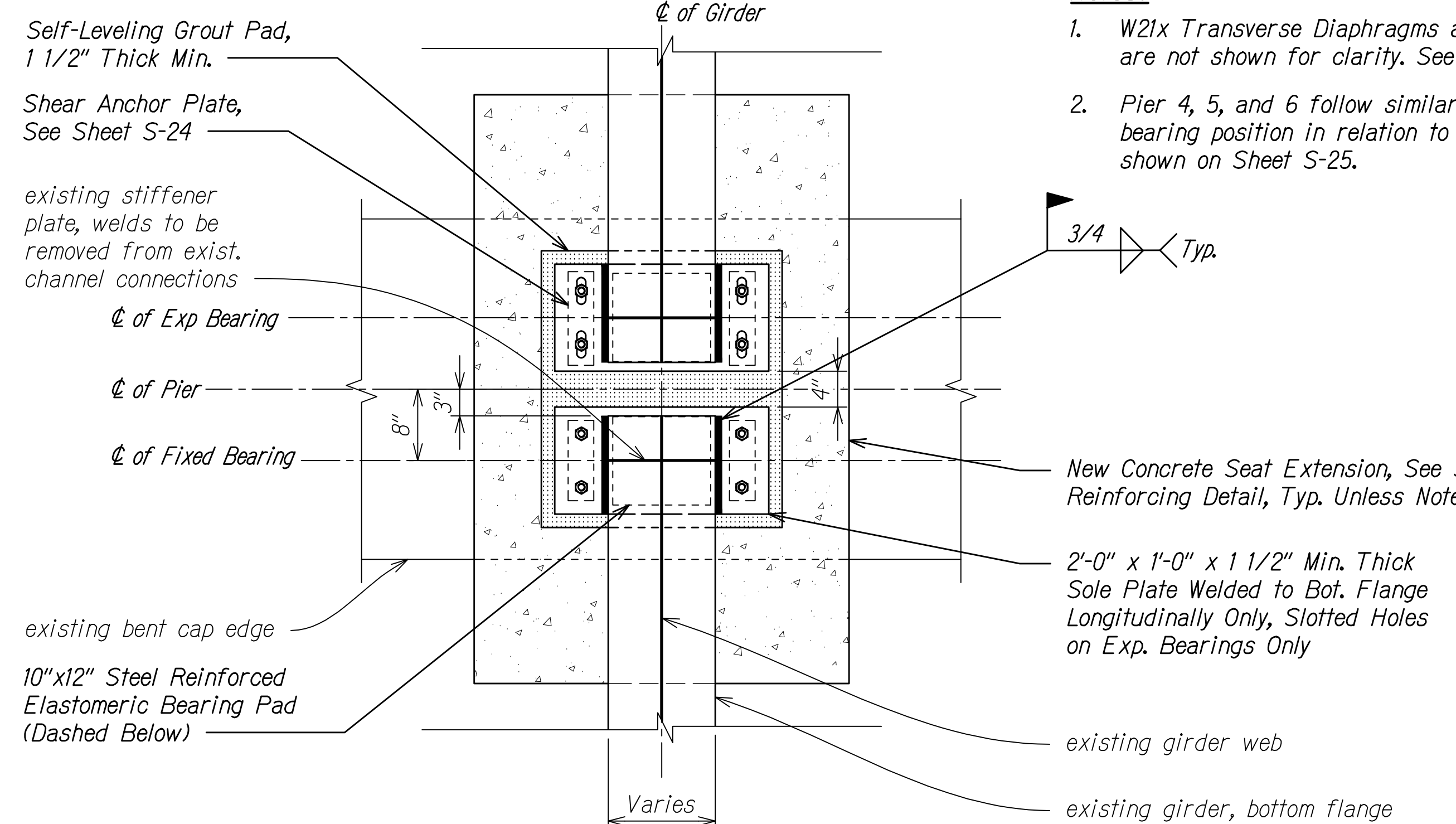
HENRY KENNEDY  
Engineering Program Manager

FED. ROAD DIST. NO.	STATE	FED.-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-H1-1(284)	2026	ADD.48	56



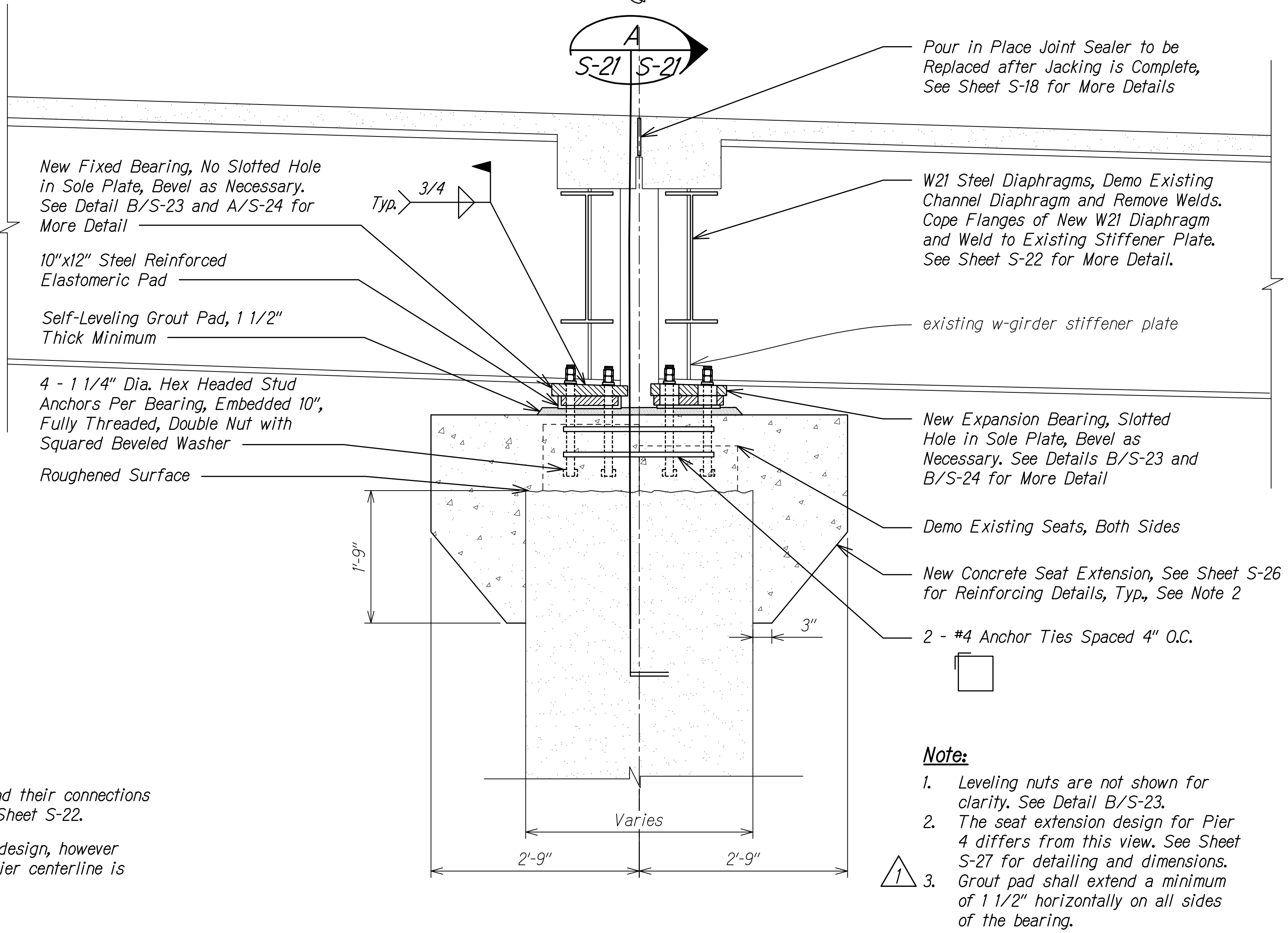
**BEARING RETROFIT SECTION**

Scale: 1" = 1'-0"



**PIERS 1-3 BEARINGS PLAN CONNECTION DETAIL**

Scale: 1" = 1'-0"

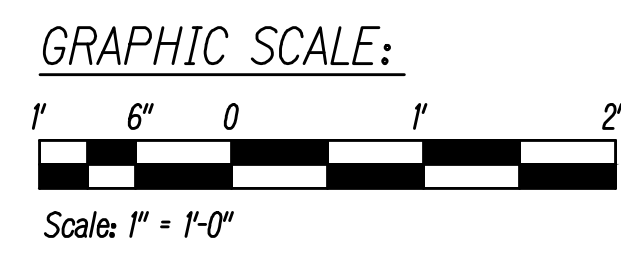


**BEARING RETROFIT DETAIL**

Scale: 1" = 1'-0" S-12, S-13, S-14, S-15, S-16, S-17 S-21

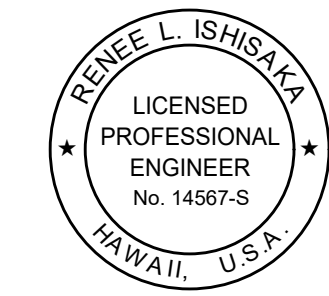
- Notes:**
- W21x Transverse Diaphragms and their connections are not shown for clarity. See Sheet S-22.
  - Pier 4, 5, and 6 follow similar design, however bearing position in relation to pier centerline is shown on Sheet S-25.

- Note:**
- Leveling nuts are not shown for clarity. See Detail B/S-23.
  - The seat extension design for Pier 4 differs from this view. See Sheet S-27 for detailing and dimensions.
  - Grout pad shall extend a minimum of 1 1/2" horizontally on all sides of the bearing.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

*Renée L. Ishizaka* 04/30/26  
SIGNATURE EXPIRATION DATE OF THE LICENSE



4/21/26	1	Added grout pad extension dimension.
DATE		REVISION

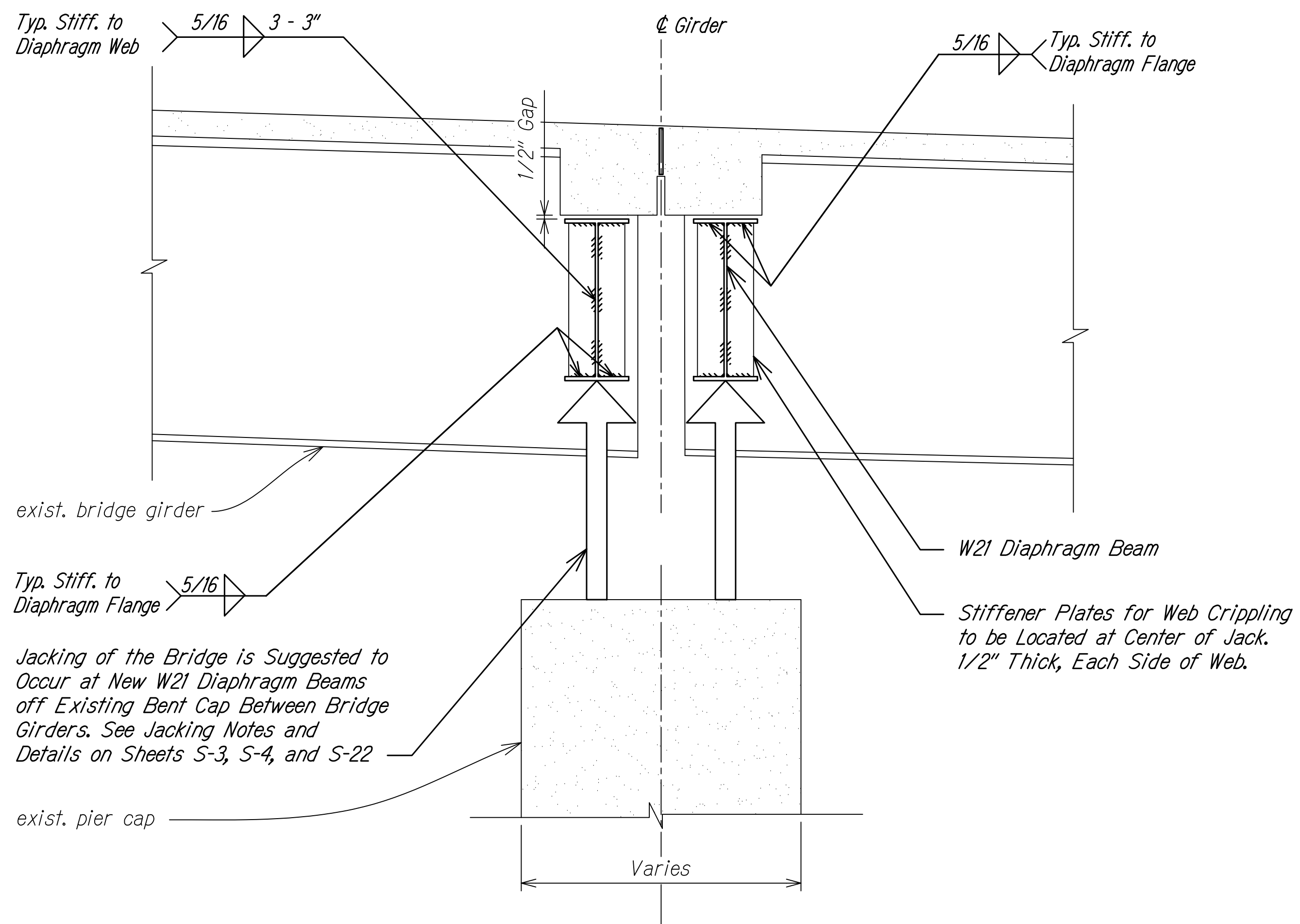
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**BEARING RETROFIT DETAILS**

INTERSTATE ROUTE H-1  
MCCULLY STREET SEPARATION  
SEISMIC RETROFIT  
Federal-Aid Project No. NH-H1-1(284)  
Scale: 1" = 1'-0" Date: March 2026

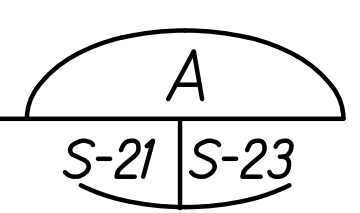
SHEET No. S-21 OF 29 SHEETS

W:\STRUCTURAL\PROJECTS\2023\_087\_005\_HDOT\_SEISMIC\_RETROFIT\_PE2\CONTRACT\_DOCS\00\_WORKING\_FOLDERS\S-18\_S-29\_DETAILS.DWG 4/27/2026 10:52 AM AKOCHER



### JACKING PIER SECTION

Scale: 1" = 1'-0"



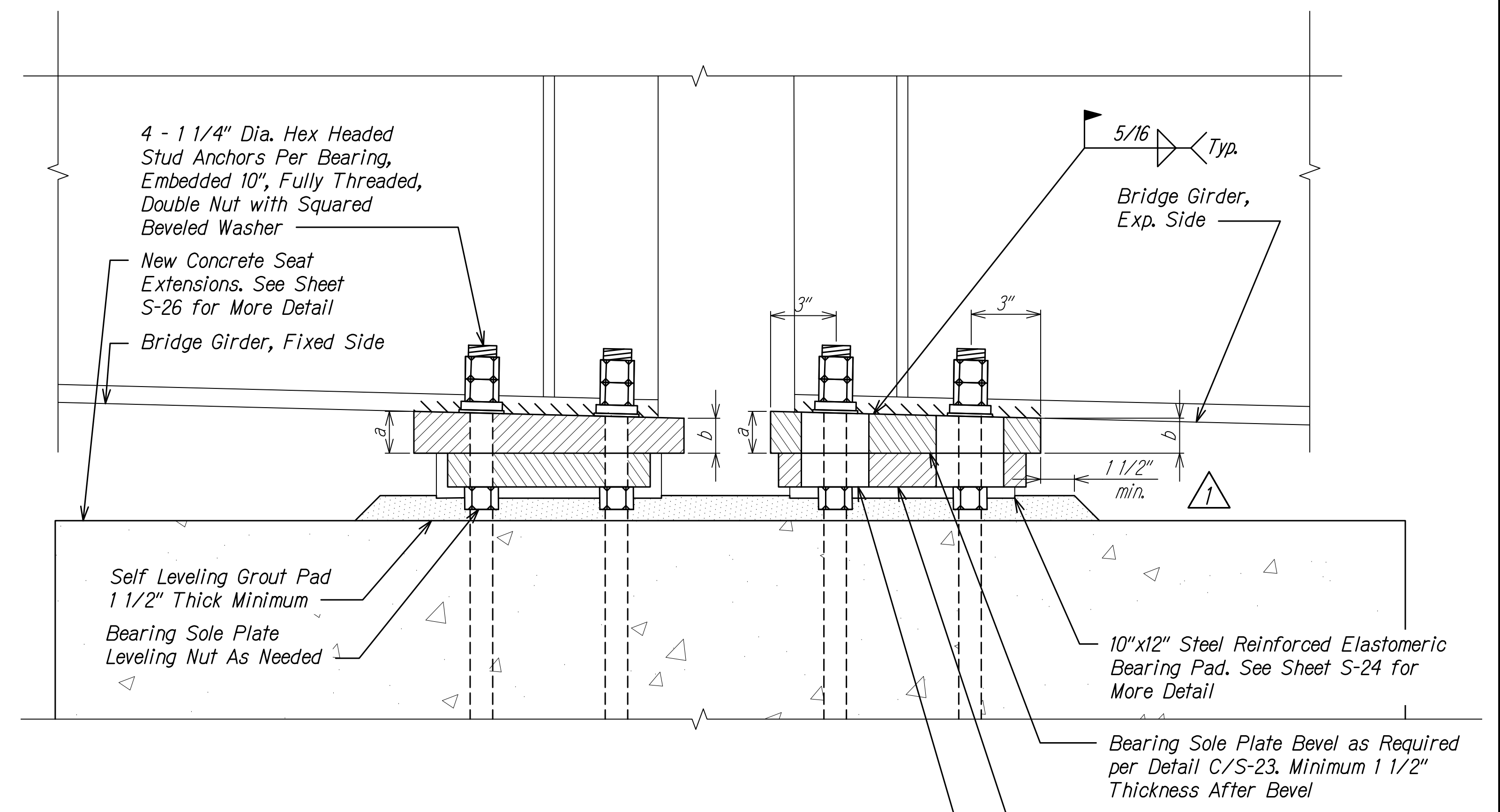
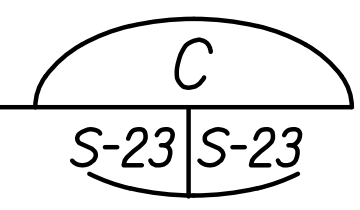
**Jacking Pier Section:**  
Bevel angle of sole plate as shown. The Contractor is to confirm and field verify all measurements.

**Note:**  
Dimensions "a" is at incline side of bearing and dimensions "b" is at decline side of the bearing.

		Bevel Plate Sizes											
		Pier 1		Pier 2		Pier 3		Pier 4		Pier 5		Pier 6	
Girder		Exp.	Fixed	Exp.	Fixed	Exp.	Fixed	Exp. 1	Exp. 2	Fixed	Exp.	Fixed	Exp.
	1	a (in)	2.42"	3.26"	2.14"	2.10"	1.95"	2.60"	1.85"	1.68"	2.07"	1.95"	2.58"
b (in)		1.52"	2.66"	1.54"	1.65"	1.50"	2.60"	1.85"	1.53"	1.92"	1.50"	2.13"	1.47"
2	a (in)	2.42"	3.25"	2.15"	2.10"	1.95"	2.67"	1.92"	1.68"	1.83"	1.95"	2.70"	2.15"
	b (in)	1.52"	2.65"	1.55"	1.65"	1.50"	2.52"	1.77"	1.53"	1.68"	1.50"	2.25"	1.55"
3	a (in)	2.42"	3.26"	4.43"	1.98"	1.95"	2.67"	1.92"	1.68"	1.95"	1.95"	2.70"	2.15"
	b (in)	1.52"	2.66"	3.82"	1.53"	1.50"	2.52"	1.77"	1.53"	1.80"	1.50"	2.25"	1.55"
4	a (in)	2.42"	3.15"	2.14"	2.03"	1.95"	2.65"	1.80"	1.54"	1.71"	1.47"	2.14"	1.44"
	b (in)	1.52"	2.63"	1.54"	1.66"	1.50"	2.42"	1.65"	1.44"	1.56"	1.33"	1.85"	1.17"
5	a (in)	2.42"	3.25"	2.15"	2.10"	1.95"	2.67"	1.80"	1.49"	1.88"	1.75"	2.87"	2.90"
	b (in)	1.52"	2.65"	1.55"	1.65"	1.50"	2.52"	1.65"	1.49"	1.88"	1.46"	2.57"	1.55"

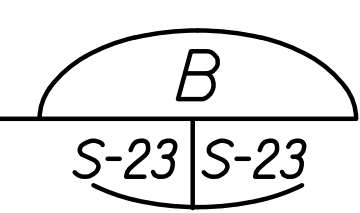
### BEVEL PLATE SIZES

Scale: None

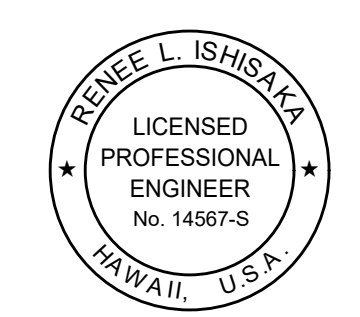
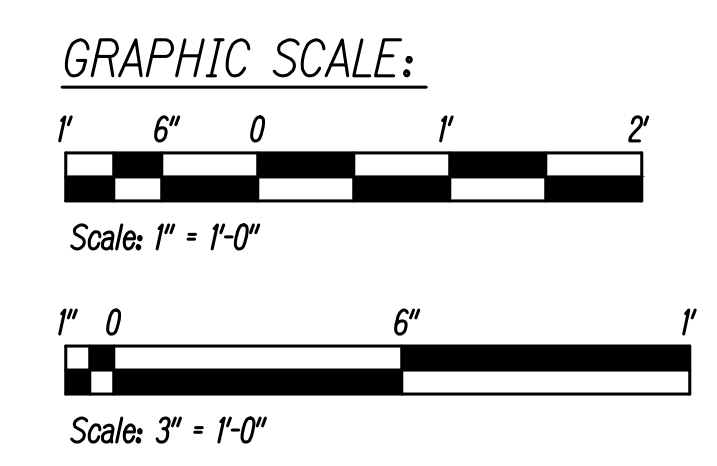


### BEVELED SOLE PLATE

Scale: 3" = 1'-0"



- Recommended Sequence of Bearing Assembly:**
- Sole plates are fabricated beveled, anchor shear plates are welded to sole plate in shop, the sole plate and shear plates are hot dip galvanized, and elastomeric bearing pads are vulcanized to the sole plate. Galvanization and elastomeric vulcanization must occur after the welding of shear plates.
  - Construction requirements are met:
    - Bridge is jacked and shored.
    - Demolition of existing bearings and concrete seats has occurred.
    - Concrete seat extension reinforcing is assembled.
  - Bearing sole plate is to be pre-assembled with stud anchors and leveling nuts.
  - The pre-assembled beveled sole plate and stud anchors are placed into position with anchor ties and secured in place. The bearing is positioned under the existing girder and adjusted to final design height with leveling nut.
  - The concrete is cast and cured per General Notes and Specifications until it has reached design strength.
  - Self leveling grout is poured and fully consolidated under the bearing. Top of grout shall be partially above bottom of elastomer to allow the pad to fully bear on the grout. Leveling nuts will be partially submerged into grout.
  - After grout has cured, the Contractor removes shoring and lowers the bridge deck back into place.
  - The bridge girder is welded to beveled sole plate. After welding, the top nuts are to be tightened.



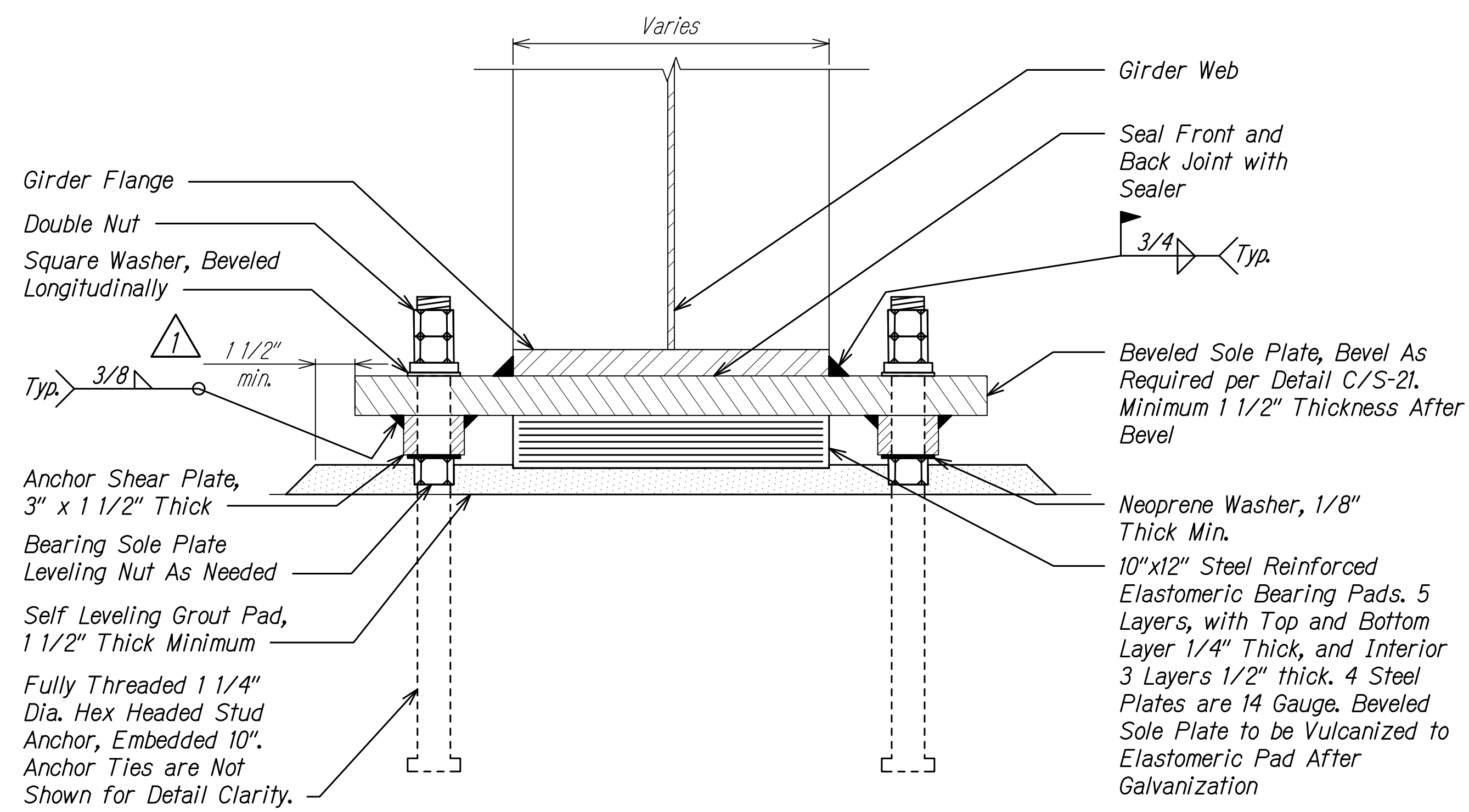
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

*Renee L. Ishizaka*  
SIGNATURE 04/30/26  
EXPIRATION DATE OF THE LICENSE

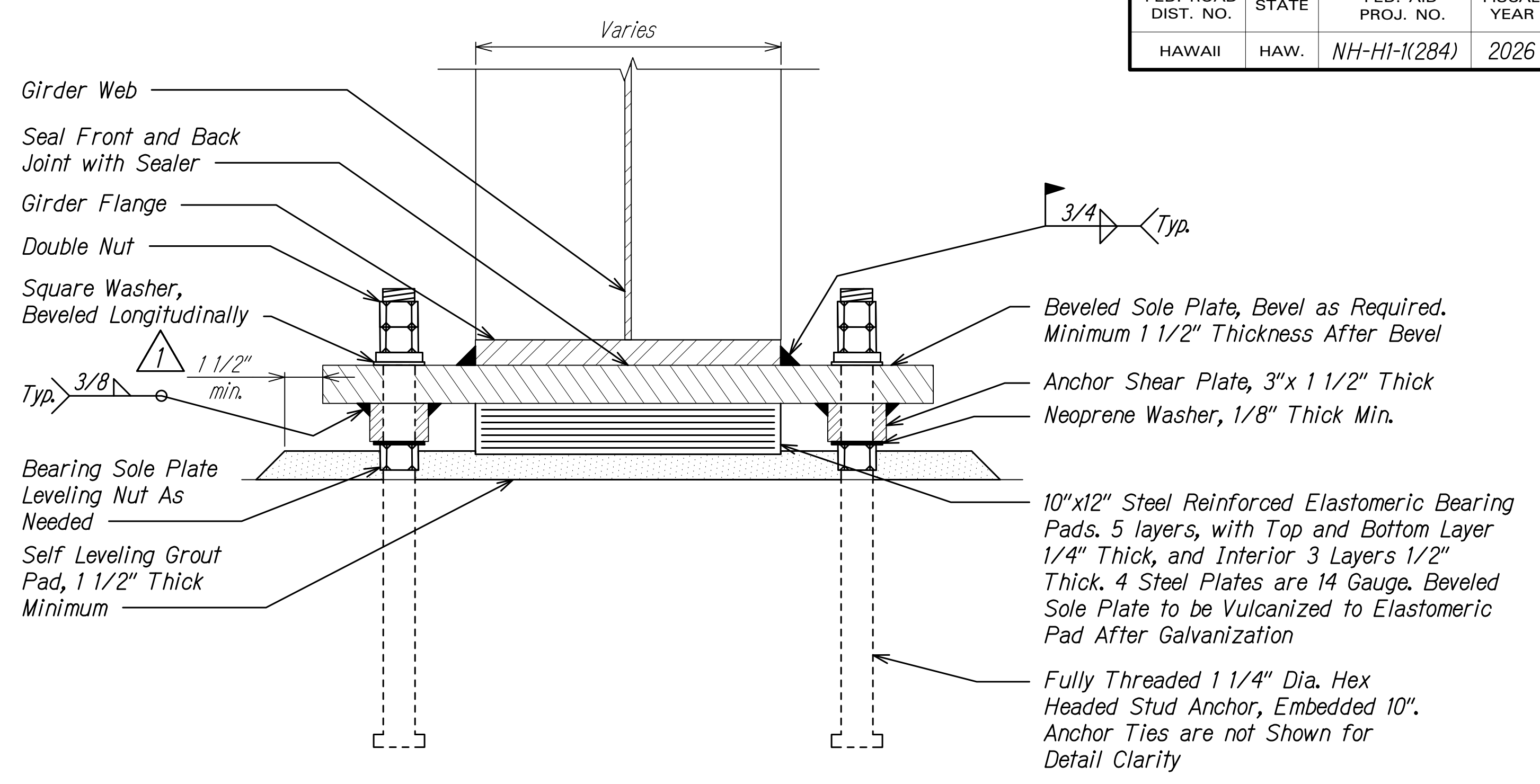
4/21/26	1	Added grout pad extension dimensions.
DATE	REVISION	
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION		
<b>JACKING SECTION AND BEARING BEVEL DETAIL</b>		
INTERSTATE ROUTE H-1 MCCULLY STREET SEPARATION SEISMIC RETROFIT		
Federal-Aid Project No. NH-HI-1(284)		
Scale: As Noted		Date: March 2026
SHEET No. S-23 OF 29 SHEETS		

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FED. ROAD DIST. NO.	STATE	FED.-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-H1-1(284)	2026	ADD.51	56



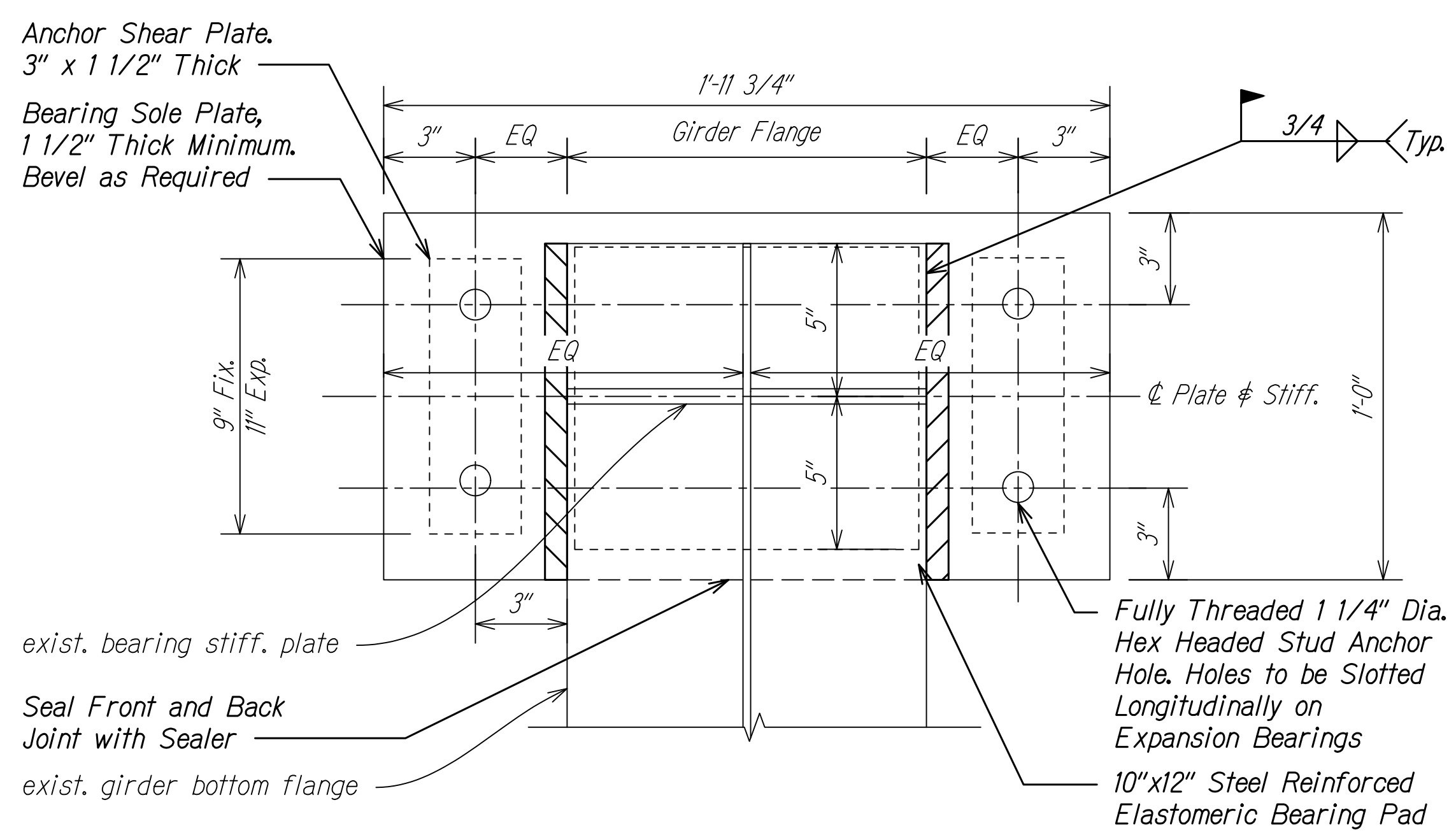
**FIXED BEARING DETAIL**  
 Scale: 3" = 1'-0"  
 A  
 S-24 S-24



**EXPANSION BEARING DETAIL**  
 Scale: 3" = 1'-0"  
 B  
 S-24 S-24

**Sheet Notes:**

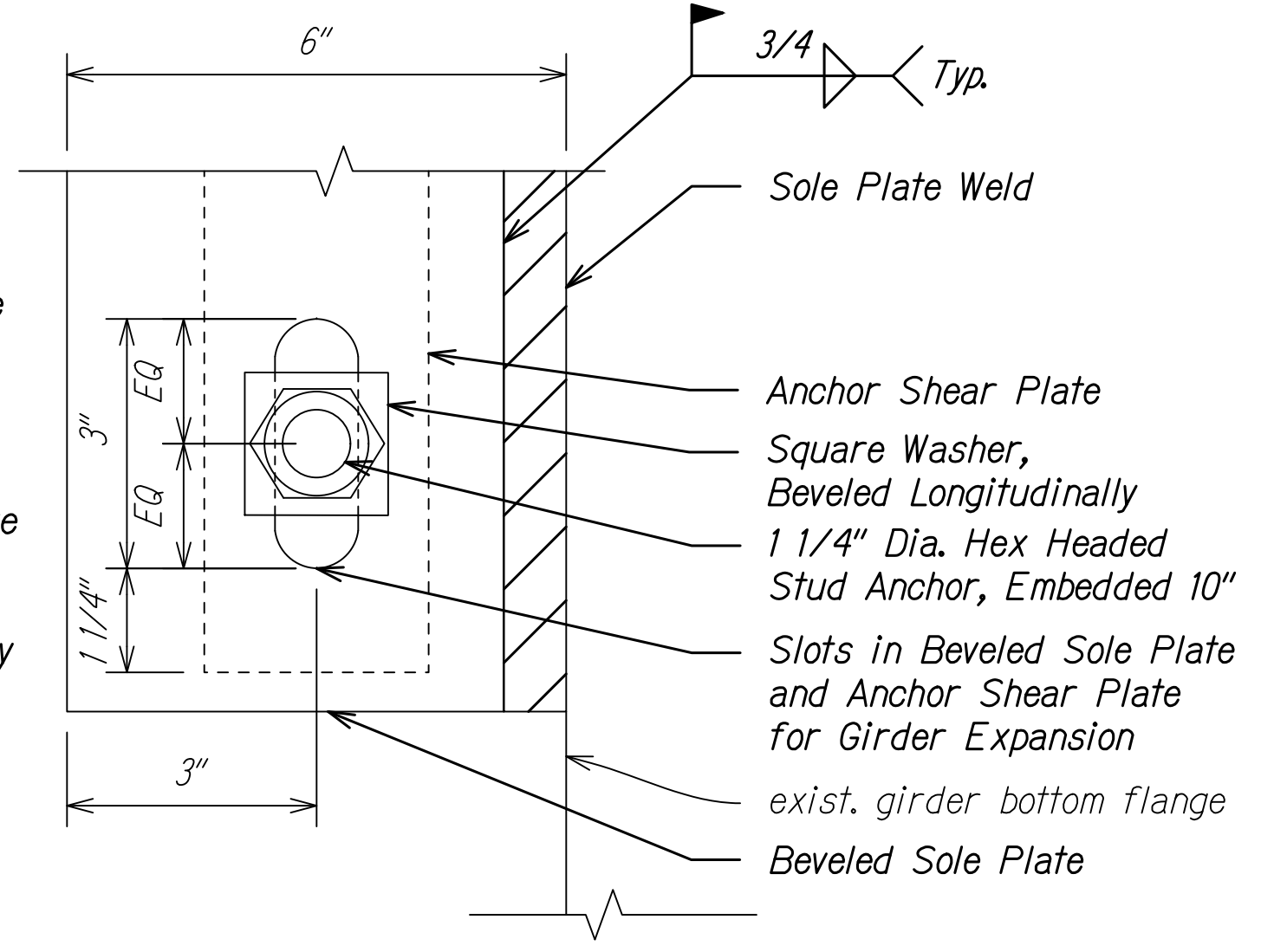
1. Install lower nut in contact with top plate and then back off 1/2 turn. Install upper nut snug tight to prevent lower nuts from loosening.
2. Minimum distance from any field welds to elastomeric polymer shall be 1 1/2".
3. Contractor to follow AWS/AASHTO D1.5 Bridge Welding code for welding, weld removal and repair.
4. Ties for stud anchor breakout are not shown here for clarity. See Sheet S-21 for anchor ties.
5. Slotted holes are only for expansion bearings. Fixed bearing holes shall be standard size.
6. Slotted hole parallel in plane to the longitudinal girders.
7. All bearings shall be marked prior to shipping. The marks shall include the bearing location on the bridge, and a direction arrow that points up-station. All marks shall be permanent and be visible after the bearing is installed.
8. Weld anchor shear plate to beveled sole plate before vulcanizing elastomeric bearing pad.
9. Holes in anchor shear plates to be same size holes in the beveled sole plate.
10. Grout pad shall extend a minimum of 1 1/2" horizontally on all sides of the bearing.
11. Stud anchor lengths vary by location due to the beveled sole plate. All stud anchors shall meet the minimum embedment of 10" and extend at least 3 full threads above the double nut.
12. Each beveled sole plate shall have a matching set of square beveled washers fabricated and installed to complement its beveled sole plate, allowing lower double nuts to be tightened flush and level against the washer.



**SOLE PLATE DETAIL**  
 Scale: 3" = 1'-0"  
 C  
 S-24 S-24

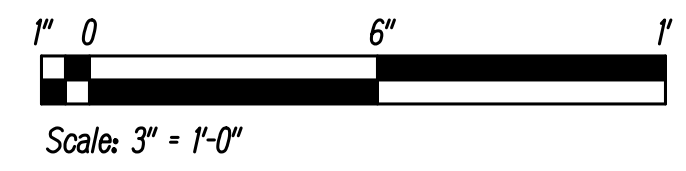
**Note:**

The location of anchor during construction is based on expected range of motion and temperature at time of installation. Stud Anchor location at center of slotted hole assumes a temperature of 70° F at the time of installation. Design follows a temperature range of 60° F with a minimum and maximum temperature of 40° F and 100° F respectively. If the span has moved by thermal gradient effects prior to construction, the Contractor must position new stud anchor within the slotted hole to match existing bearing expanded or contracted position with respect to it's center resting position.



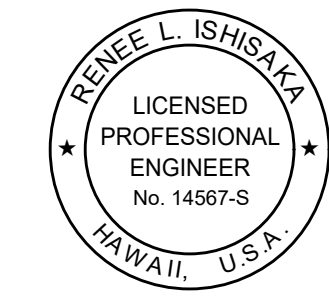
**ANCHOR SLOT DETAIL AT EXPANSION BEARING**  
 Scale: NTS  
 D  
 S-24 S-24

GRAPHIC SCALE:



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

*Renée L. Ishizaka*  
 SIGNATURE  
 04/30/26  
 EXPIRATION DATE OF THE LICENSE



4/21/26	Added grout pad extension dimensions. Rearranged C/S-24 and C/S-24 and revised notes.
DATE	REVISION

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

**BEARING DESIGN DETAILS**

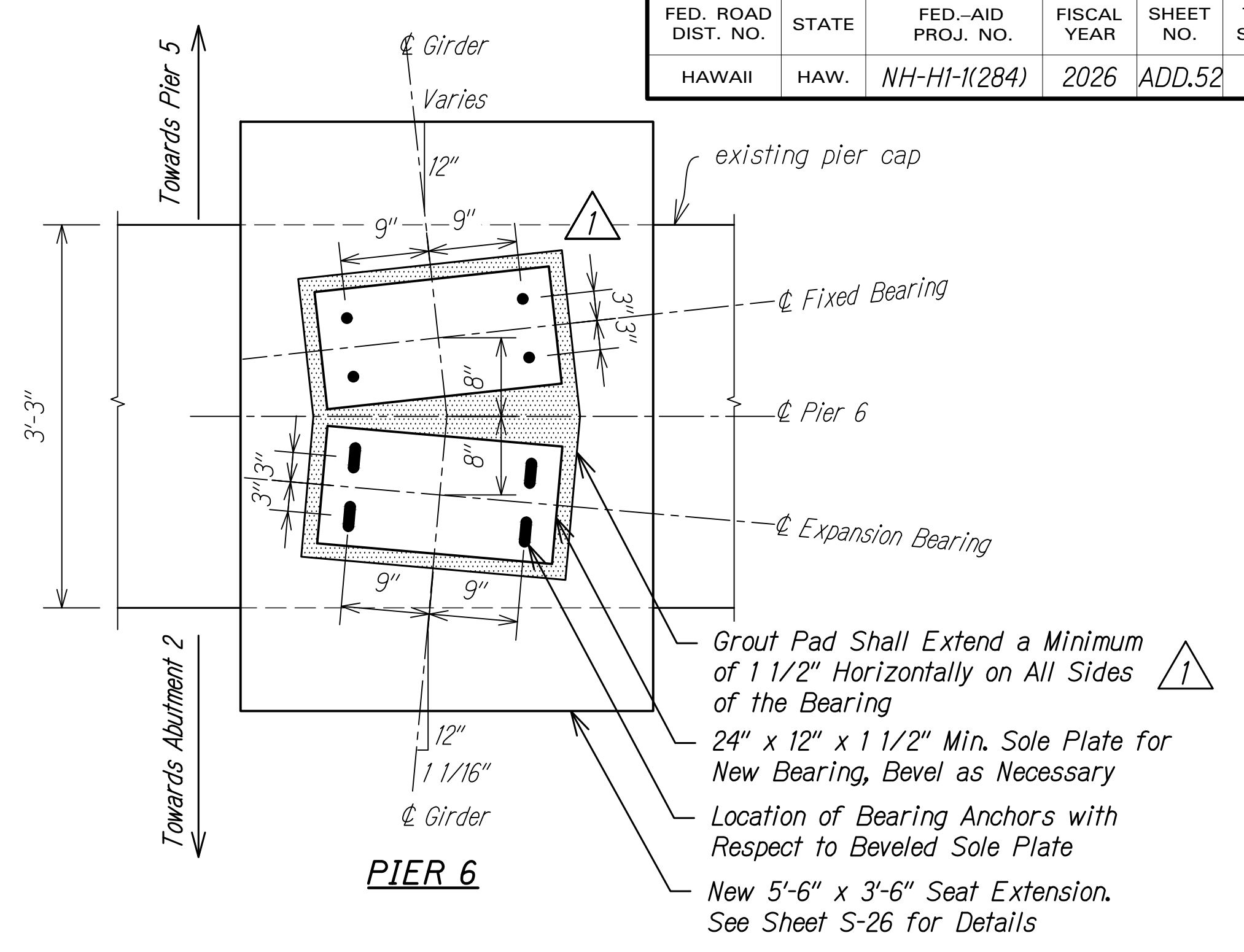
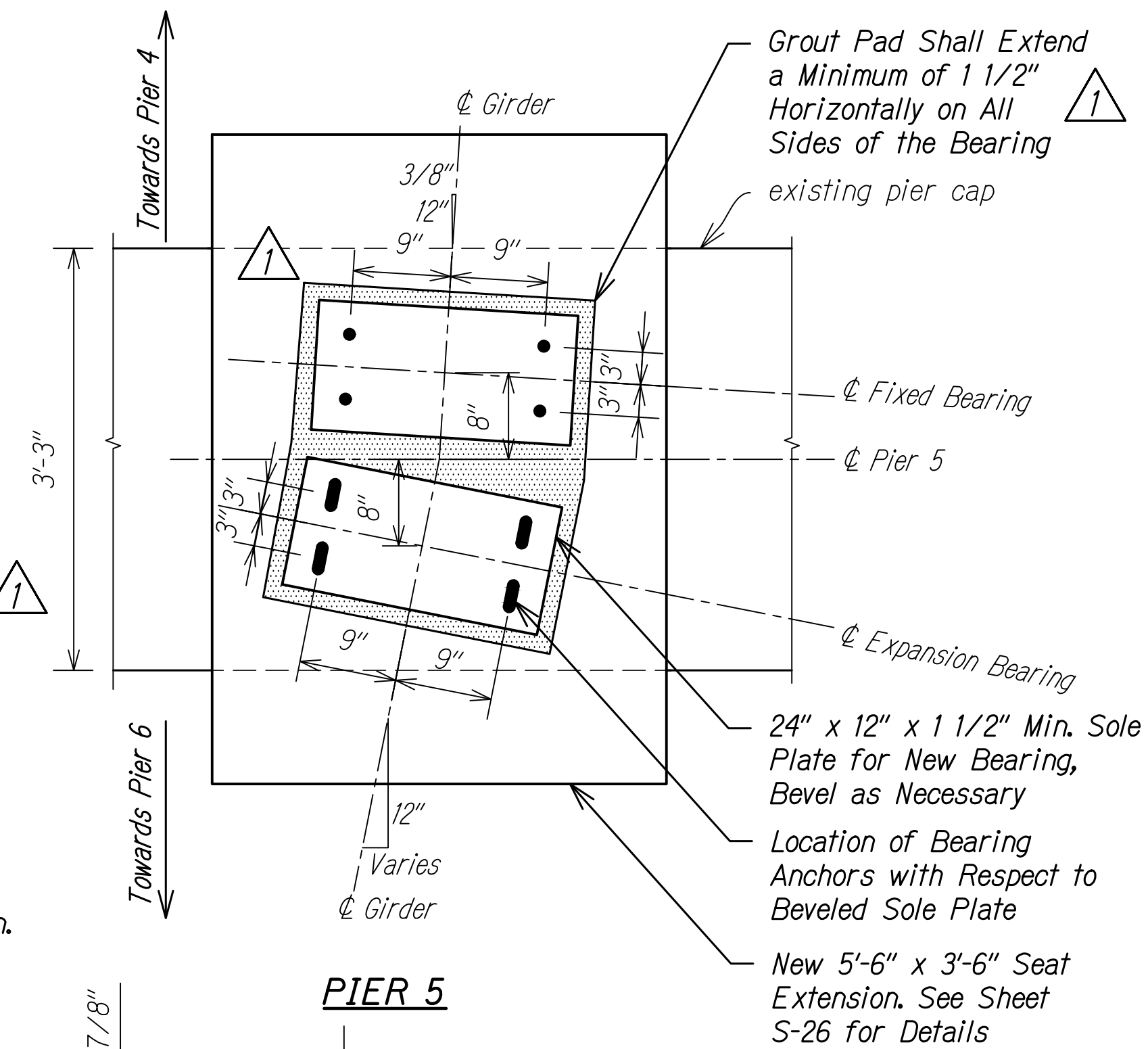
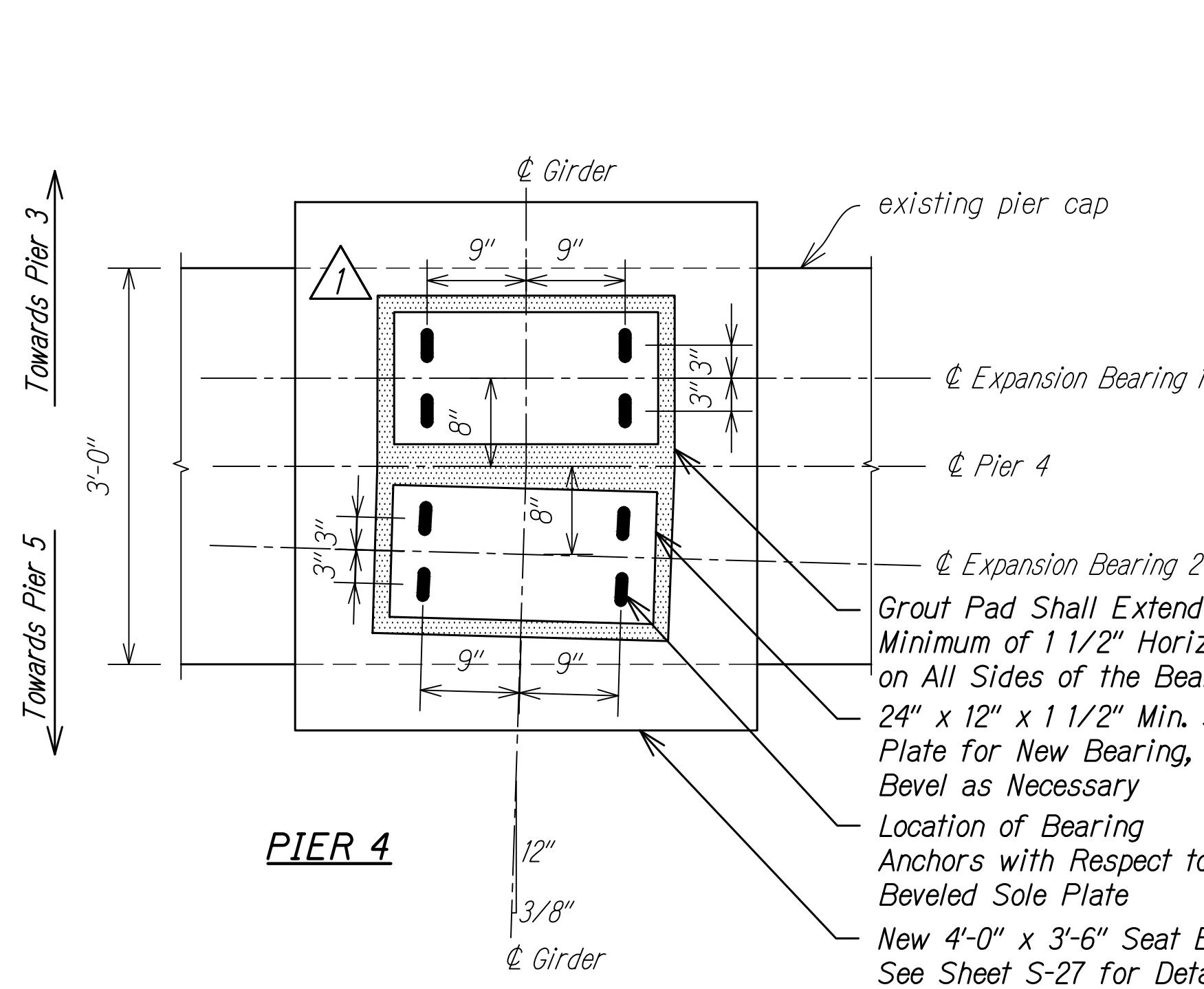
**INTERSTATE ROUTE H-1  
 MCCULLY STREET SEPARATION  
 SEISMIC RETROFIT**

Federal-Aid Project No. NH-H1-1(284)  
 Scale: 3" = 1'-0" Date: March 2026

SHEET No. S-24 OF 29 SHEETS

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FED. ROAD DIST. NO.	STATE	FED.-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(284)	2026	ADD.52	56



**PIER 4-6 BEARING SEAT DETAILS**

Scale: 1" = 1'-0"

**A**  
S-25 | S-25

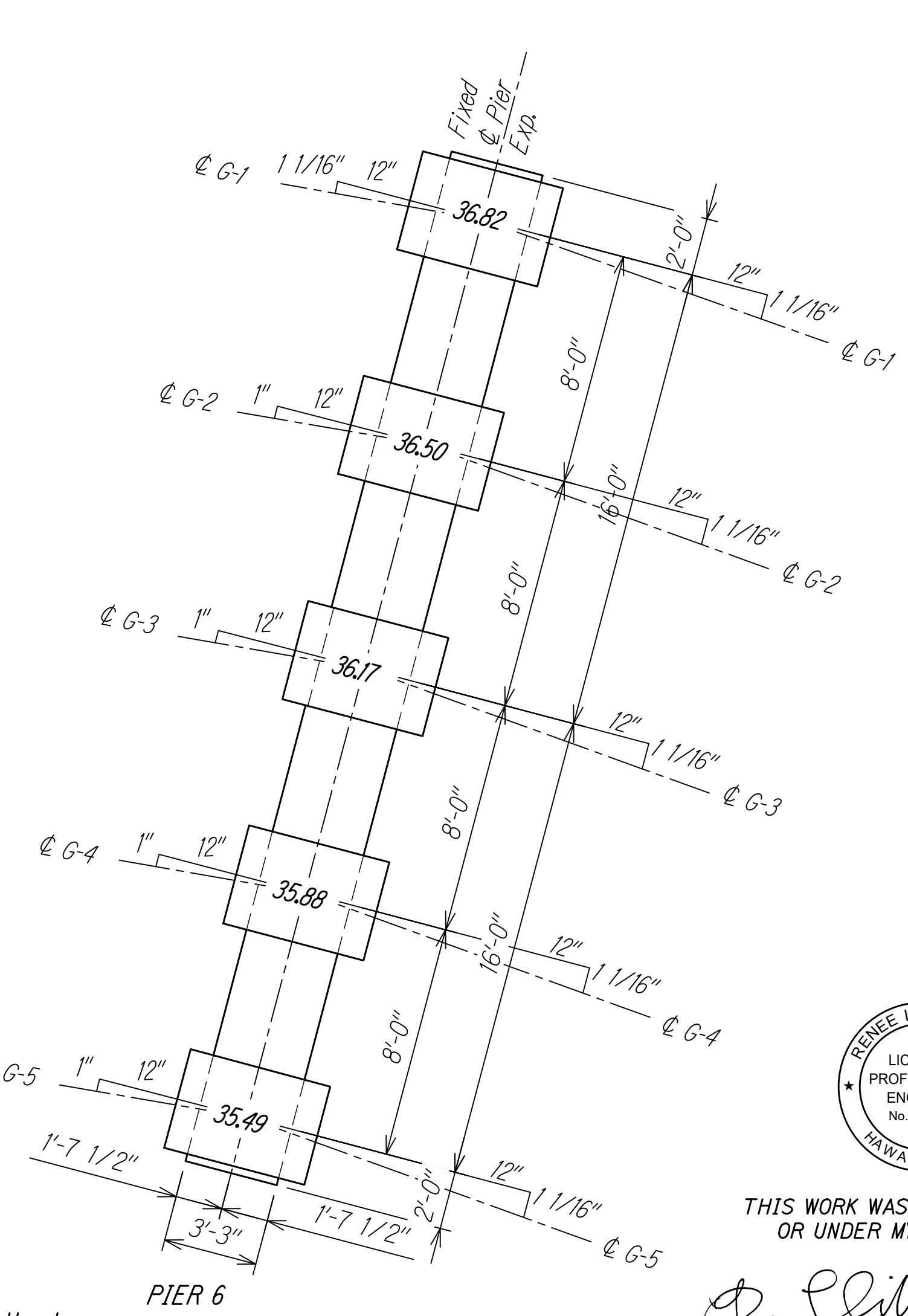
**TOP SEAT ELEVATIONS FOR PIERS 1, 2, 3**

☉ G-1	32.79	35.65	37.57	38.37
☉ G-2	32.91	35.77	37.69	38.37
☉ G-3	33.03	35.90	37.81	38.37
☉ G-4	33.15	36.01	37.93	38.37
☉ G-5	33.27	36.13	38.05	38.37

PIER 1      PIER 2      PIER 3      PIER 4

☉ G-1	38.12
☉ G-2	37.96
☉ G-3	37.77
☉ G-4	37.60
☉ G-5	37.38

PIER 5



**PIER SEAT LAYOUT AND SEAT ELEVATIONS**

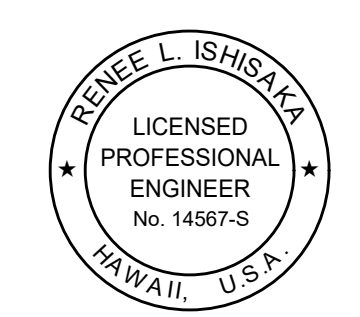
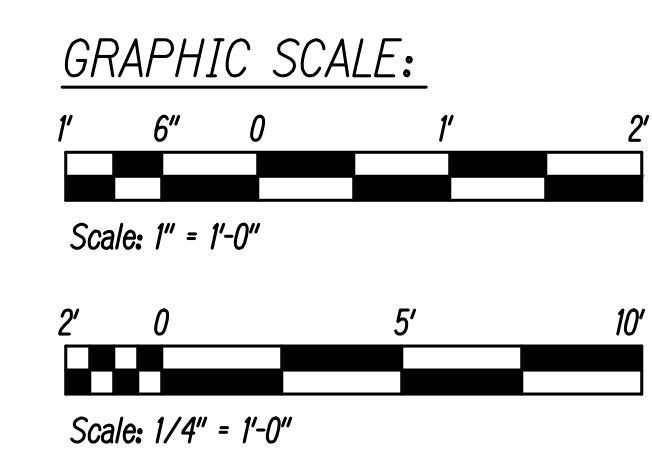
Scale: 1/4" = 1'-0"

**B**  
S-25 | S-25

- Notes:**
1. Seat elevations shall be level at the top
  2. The seat elevation variation tolerance is ±1/16"

**Notes:**

Bridge girders, elastomeric pad, and anchor shear plate are not shown for clarity. See Sheets S-21 and S-24.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE: *Renee L. Ishizaka*      04/30/26  
EXPIRATION DATE OF THE LICENSE

4/21/26	☐ Provided grout pad extents
DATE	REVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SEAT LAYOUT AND SEAT ELEVATIONS**

**INTERSTATE ROUTE H-1  
MCCULLY STREET SEPARATION  
SEISMIC RETROFIT**

Federal-Aid Project No. NH-HI-1(284)

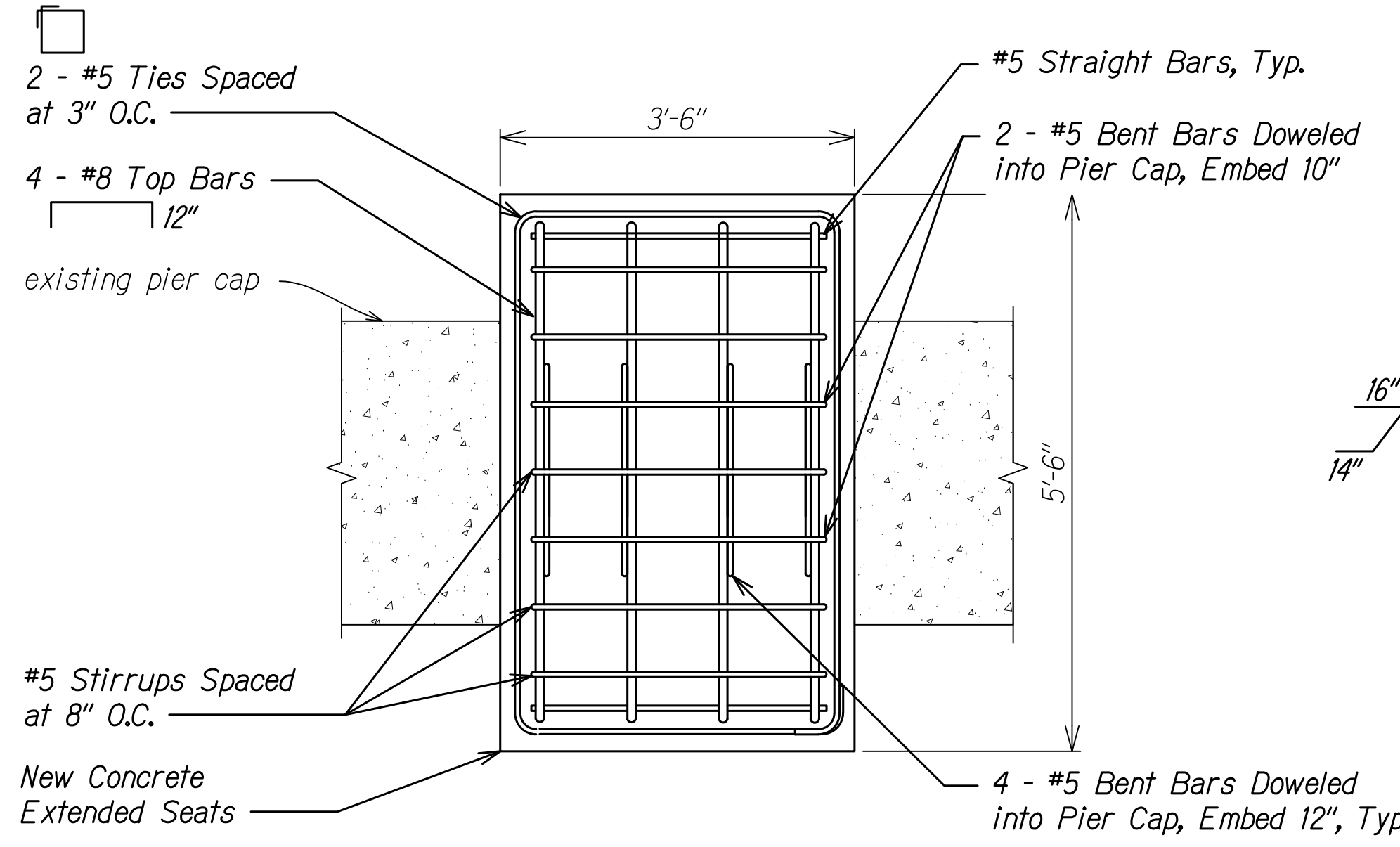
Scale: As Noted      Date: March 2026

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FED. ROAD DIST. NO.	STATE	FED.-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(284)	2026	ADD.53	56

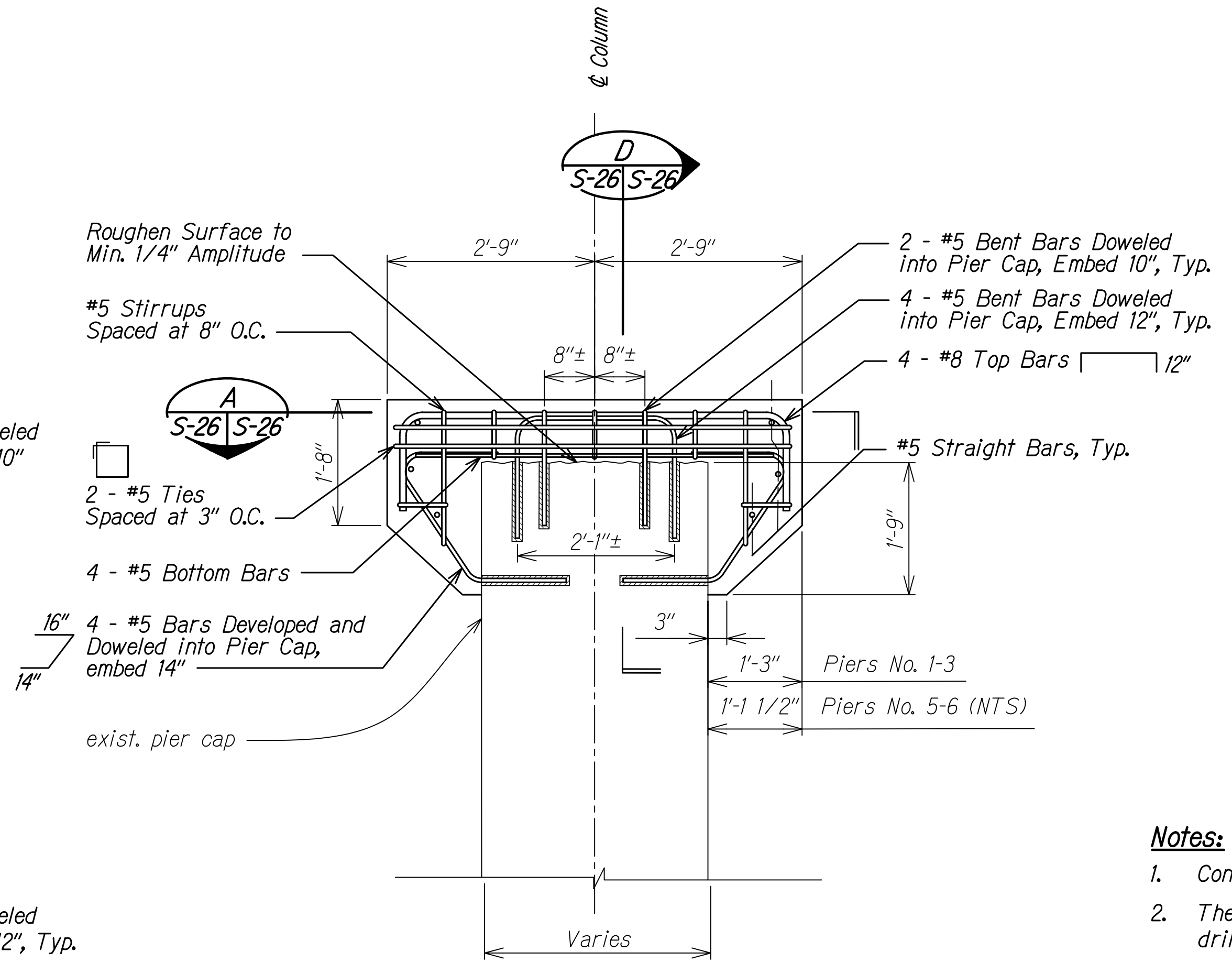
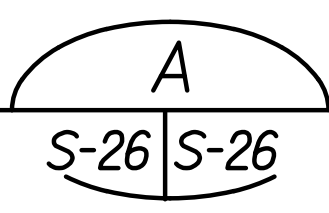
**General Notes:**

1. The Contractor shall locate existing reinforcing within each Pier Cap to determine drilling location for dowel bars. See Detail C/S-26.
2. The seat extension design for Pier 4 is not applicable to this sheet and is detailed on S-27.
3. The bearing, bearing ties, and anchor bolts are not shown for clarity.



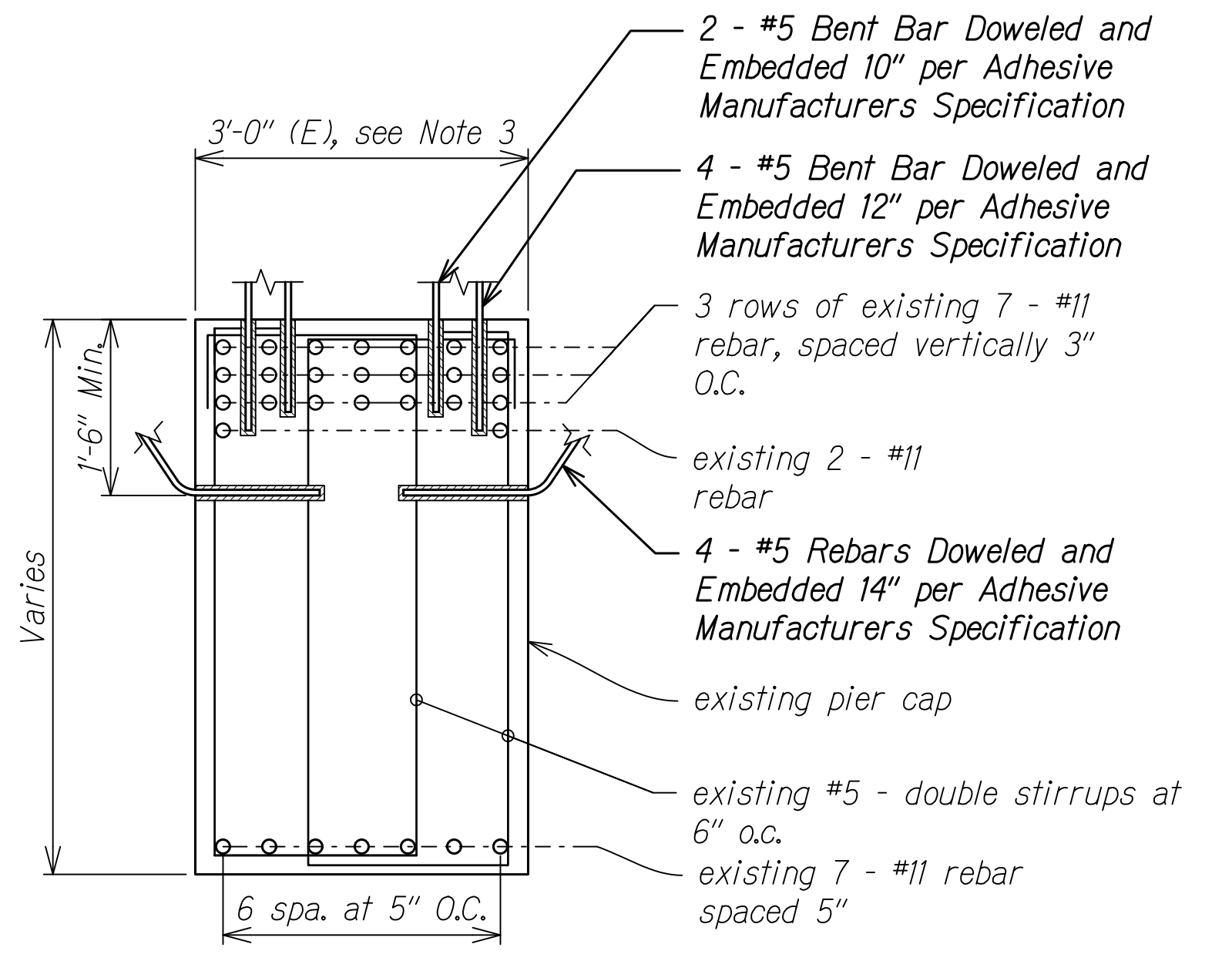
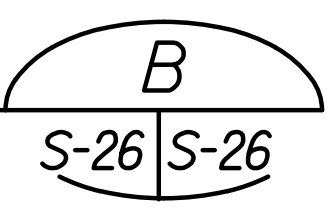
**SEAT EXTENSION PLAN VIEW**

Scale: 3/4" = 1'-0"



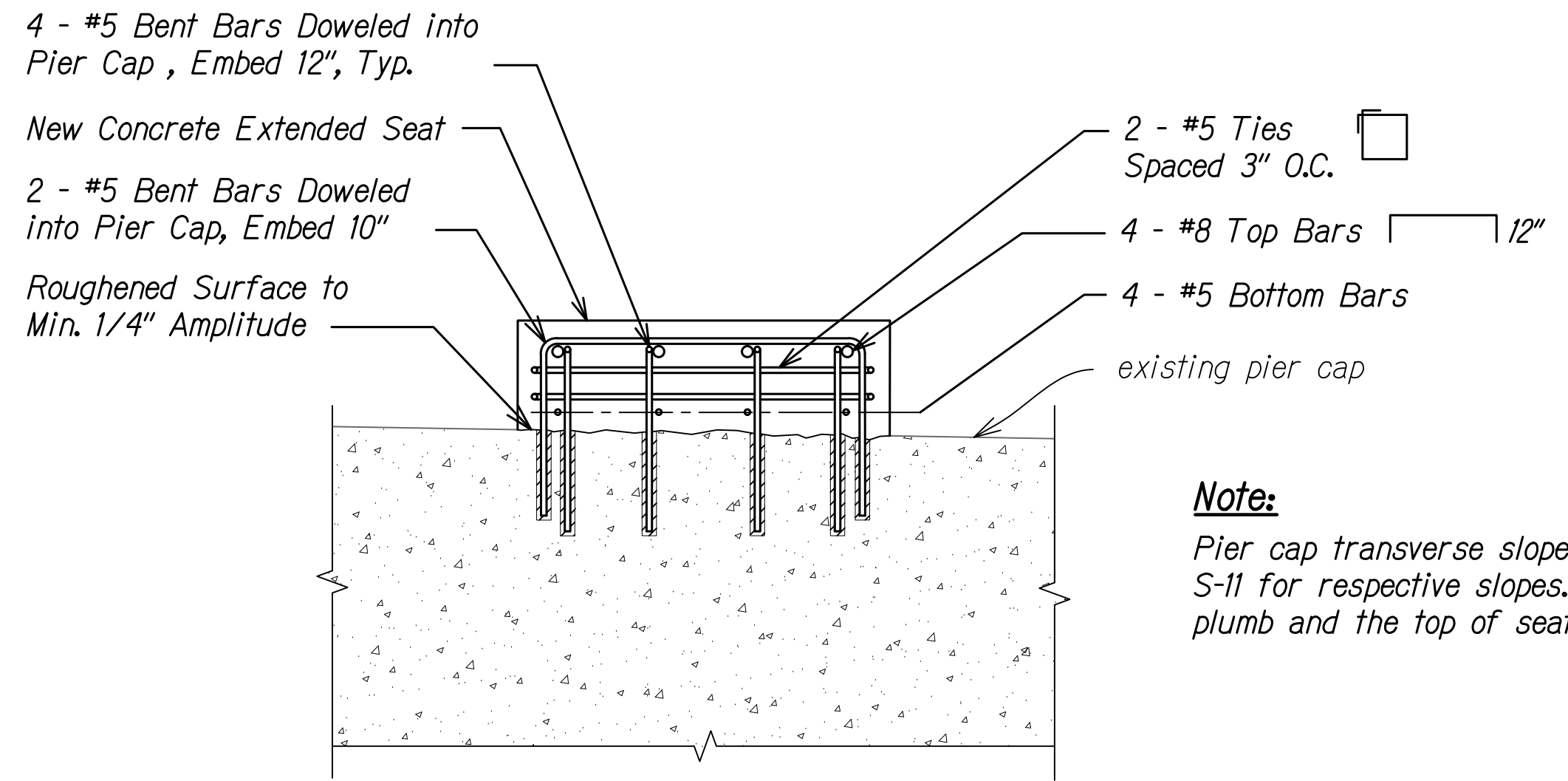
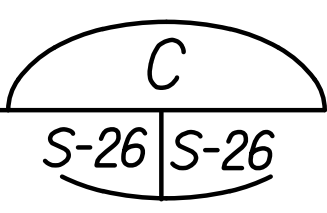
**SEAT EXTENSION REINFORCING DETAIL**

Scale: 3/4" = 1'-0"



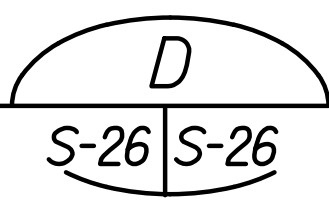
**EXTENDED SEAT DOWEL DETAIL**

Scale: 3/4" = 1'-0"



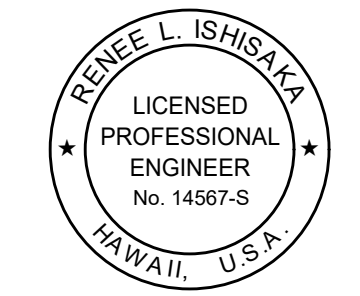
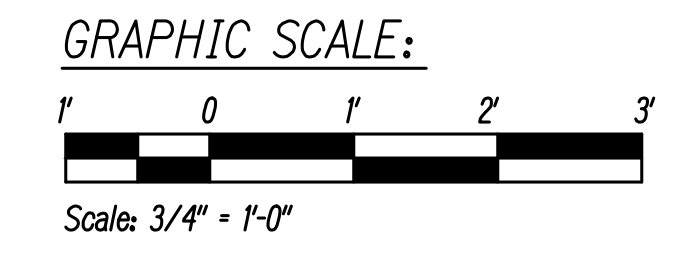
**SEAT EXTENSION SECTION**

Scale: 3/4" = 1'-0"



**Notes:**

1. Concrete seat extension not shown for clarity.
2. The Contractor shall locate existing reinforcing within each Pier Cap to determine drilling location for seat dowels.
3. Pier cap width is 3'-3" on Piers 5 and 6.



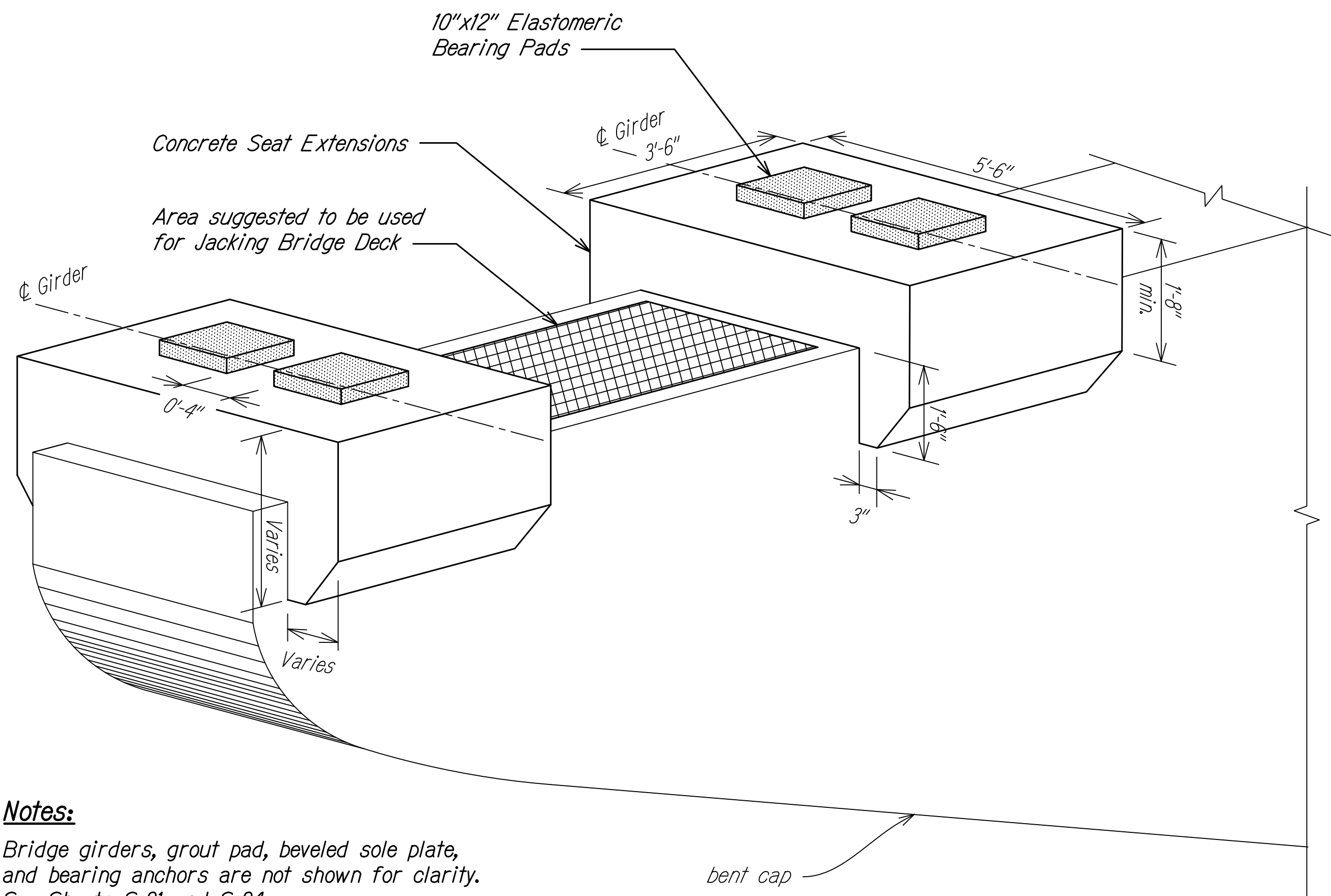
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

*Renee L. Ishizaka*  
SIGNATURE      04/30/26  
EXPIRATION DATE OF THE LICENSE

4/21/26	1	Revised Sheet Title
DATE		REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <b>SEAT EXTENSION RETROFIT DETAILS</b> INTERSTATE ROUTE H-1 MCCULLY STREET SEPARATION SEISMIC RETROFIT Federal-Aid Project No. NH-HI-1(284) Scale: 3/4" = 1'-0"      Date: March 2026		
SHEET NO. S-26 OF 29 SHEETS		

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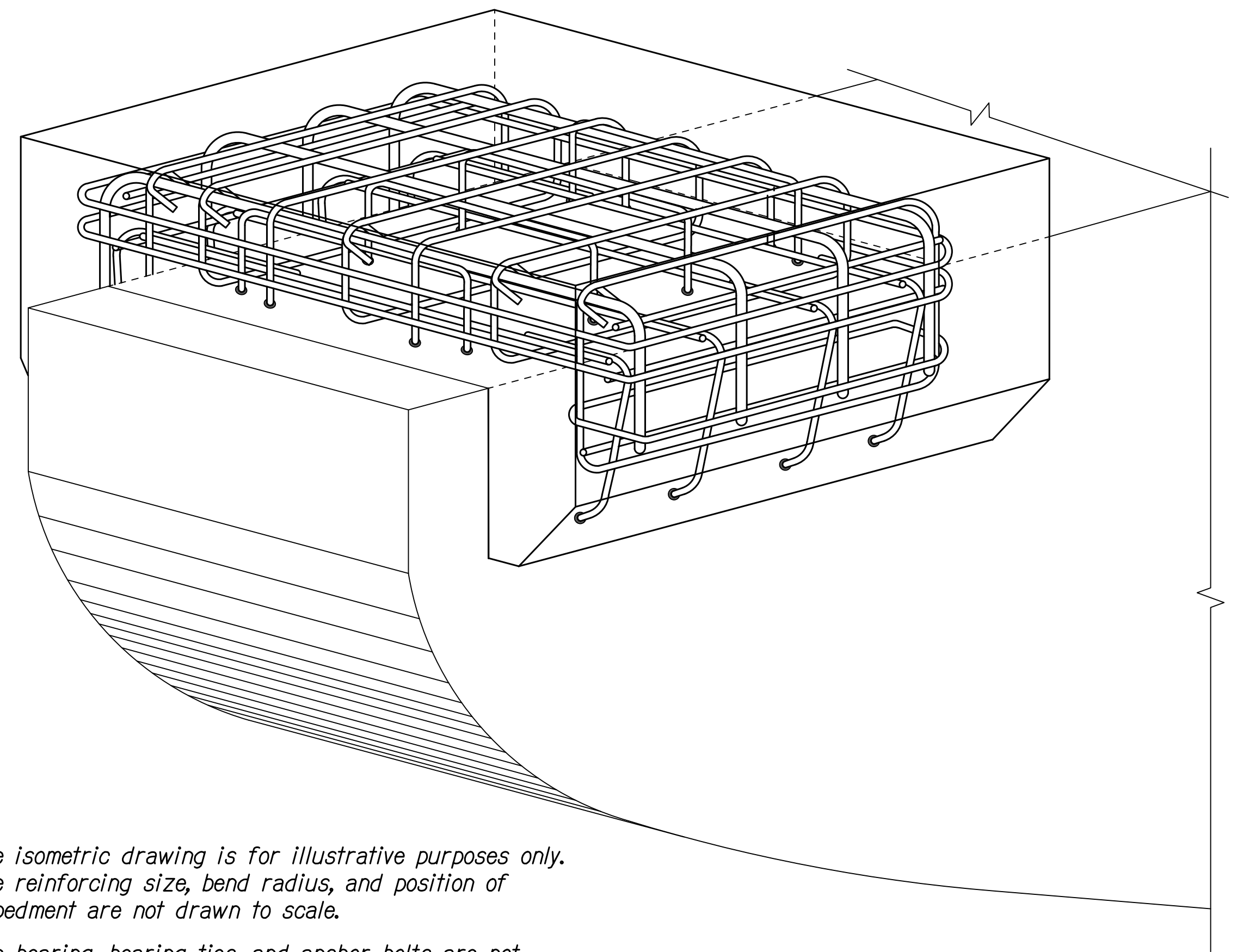
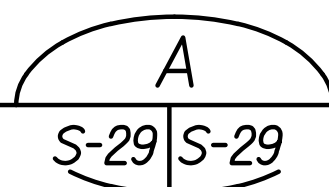
FED. ROAD DIST. NO.	STATE	FED.-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(284)	2026	ADD.56	56



**Notes:**  
 1 Bridge girders, grout pad, beveled sole plate, and bearing anchors are not shown for clarity. See Sheets S-21 and S-24

**BENT CAP ISOMETRIC DETAIL**

Scale: NTS

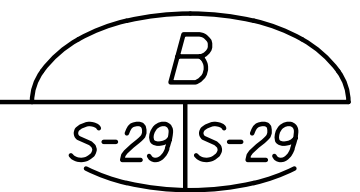


**Notes:**

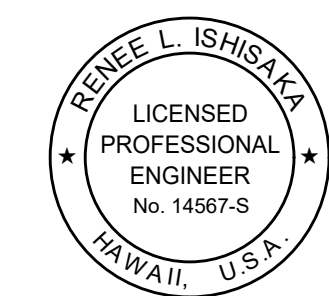
- The isometric drawing is for illustrative purposes only. The reinforcing size, bend radius, and position of embedment are not drawn to scale.
- The bearing, bearing ties, and anchor bolts are not shown for clarity.
- The seat extension design for Pier 4 is not applicable to this sheet and is detailed on Sheet S-27.

**SEAT EXTENSION ISOMETRIC DETAIL**

Scale: NTS



W:\STRUCTURAL\PROJECTS\2023\_087.005\_HDOT\_MCCULLY\_SEISMIC\_RETROFIT\_P2\CONTRACT\_DOCS\00\_WORKING\FOLDER\S-18\_S-29\_DETAILS.DWG 4/27/2026 10:48 AM AKOCHER



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

*Renee L. Ishizaka*  
 SIGNATURE      04/30/26  
 EXPIRATION DATE OF THE LICENSE

4/21/26	1	Added note for items not shown for clarity
DATE		REVISION

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

**ISOMETRIC DETAILS**

**INTERSTATE ROUTE H-1  
 MCCULLY STREET SEPARATION  
 SEISMIC RETROFIT**

Federal-Aid Project No. NH-HI-1(284)  
 Scale: NTS      Date: March 2026

**STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION**

**PRE-BID CONFERENCE ATTENDANCE AND MINUTES FOR**

Project Title: Interstate Route H-1, McCully Street Separation Seismic Retrofit  
Federal-Aid Project No.: NH-H1-1(284)  
Date, Time & Place: April 17, 2026, at 9:00 a.m. HST  
Pre-bid conference was held virtually on Microsoft Teams.

Attendees:

Name	Organization/Company	Contact Information
Daniel Williams	HDOT	(808) 831-7914 Daniel.k.williams@hawaii.gov
Robert M. Hopper	HDOT	Robert.M.Hopper@hawaii.gov
Leah Clark	SSFM International, Inc.	lclark@ssfm.com
Albert Chung	SSFM International, Inc.	achung@ssfm.com
Kriselda Hirvi	Abhe & Svoboda Inc.	(808) 682-4833 Kriselda.hirvi@abheonline.com
Jillian Chen	HDOT	(808) 692-8439 Jillian.m.chen@hawaii.gov
Lindsey Hisamoto	HDOT	(808) 692-8440 lindsey.a.hisamoto@hawaii.gov
Keith Kalani	HDOT	keithkalani@hawaii.gov
Brent Ching	HDOT	(808) 692-7611 Brent.k.ching@hawaii.gov

Items of Discussion:

- A. Lindsey Hisamoto (HDOT) called the meeting to order at 09:00 a.m. HST and noted the following:
  - 1. Anything said at the meeting was for clarification only. The bid documents shall govern over anything said in the meeting and discrepancies shall be clarified by addendum.
  - 2. Summarized the scope of work as described in the Notice to Bidders.
- B. Bidders were invited to ask questions, but there were none.
- C. Policy of the State of Hawaii, Department of Transportation's (HDOT) DBE Program (See Attached HDOT DBE Program Policy).
- D. All requests for information (RFIs) must be submitted in writing through HIePRO by 2:00 p.m. HST on April 24, 2026. Any questions received after the deadline will not be addressed and verbal RFIs will not receive a response.
- E. The meeting concluded at 09:15 am HST.

**State of Hawaii, Dept. of Transportation – Administration Division (HDOT OCR)**  
**Disadvantaged Business Enterprises (DBE) Program**  
**Pre-Bid Meeting – 4/17/2026**  
**Federal-Aid Project No. NH-H1-1(284)**  
**Interstate Route H-1, McCully Street Separation, Seismic Retrofit**

**Policy of the State of Hawaii, Department of Transportation’s (HDOT) DBE Program:**

Bidders/offerors, subcontractors, consultants, vendors, suppliers, distributors, manufacturers, trucking companies, service providers, etc. shall fully inform themselves with respect to the requirements of the DBE Regulations.

The HDOT DBE program will operate in a nondiscriminatory manner and without regard to race or sex, while maximizing efficiency of service.

HDOT’s Disadvantaged Business Enterprise (DBE) Program remains in effect pursuant to 49 CFR Parts 23 and 26. However, consistent with the U.S. Department of Transportation Interim Final Rule effective October 3, 2025, HDOT has suspended race-conscious measures including DBE contract goals, counting of DBE participation, and associated special provisions, pending the completion of HDOT’s DBE certification reevaluation. Where indicated, HDOT reserves the right to reinstate or amend DBE special provisions at a later date, subject to approval by the appropriate USDOT operating administration.

DBE Goal for this project: **NONE SPECIFIED**

**Please continue to consider using small business subcontractors, suppliers, manufacturers, trucking companies, distributors, service providers, etc., when qualified**

**Small Business Directory:** <https://hands.ehawaii.gov/hands/smallbusiness/search>

**HDOT SBE Directory:** <https://hdot.gob2g.com/>

**BIDDER REGISTRATION**

HDOT requests that all bidders/offerors bidding projects submit the Bidder Registration Form to: [HDOT-DBE@hawaii.gov](mailto:HDOT-DBE@hawaii.gov). The Bidder Registration Form can be downloaded from HDOT’s website at <https://hidot.hawaii.gov/administration/files/2026/04/RBidRegistration-09.18.25-rev-DBE-IFR-04.02.26.pdf>.

**DO NOT SUBMIT WITH BID.**

Registered bidders/offerors are posted at: <https://hidot.hawaii.gov/administration/ocr/dbe/>